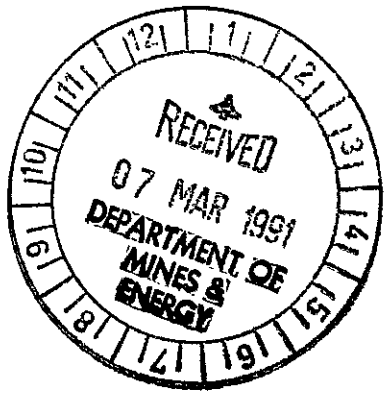
OPEN FILE

NT/91/3



RGC EXPLORATION PTY LTD

MOUNT SHOOBRIDGE PROJECT

ERL88, EL6624, MCN'S

1599 - 1608, 1623, 3340, 3341

PINE CREEK 1:250,000 Sheet SD52-8

FINAL REPORT

(19.10.90 - 15.12.90)

CR91/315

Distribution

- NT Mines Department
- RGC Exploration - Perth
- RGC Exploration - Darwin
- R M Biddlecombe

St J Herbert
Darwin, NT
February 1991

CONTENTS

1. INTRODUCTION

This report describes work done by RGC Exploration in the Mount Shoobridge project area from 19.10.90 until RGC Exploration withdrew from the joint venture on 15.12.90.

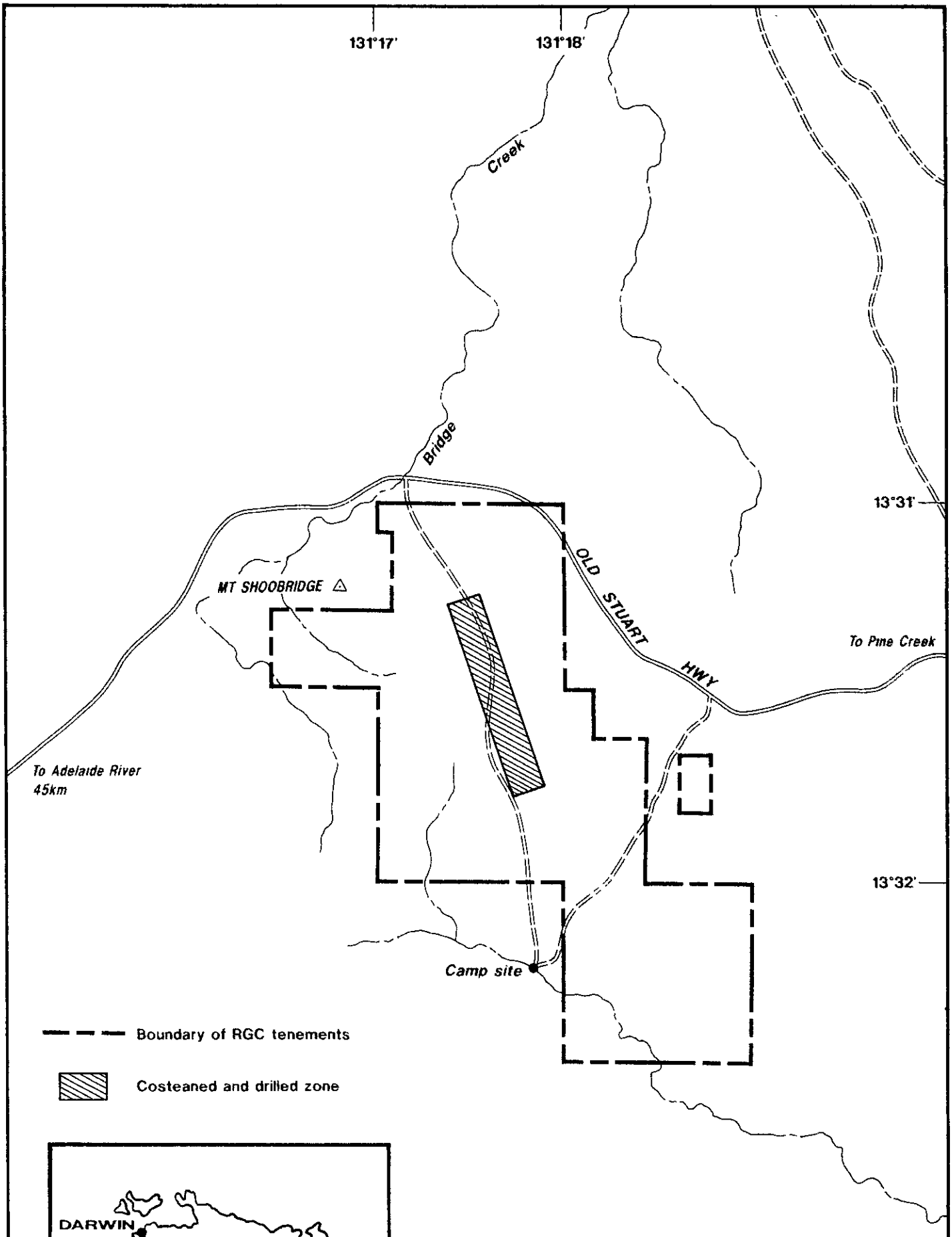
The Mount Shoobridge project area is situated approximately 140km SW of Darwin and only 7km west of the existing Cosmopolitan Howley gold mine. The project area is readily accessible via the Old Stuart Highway (Figure 1).

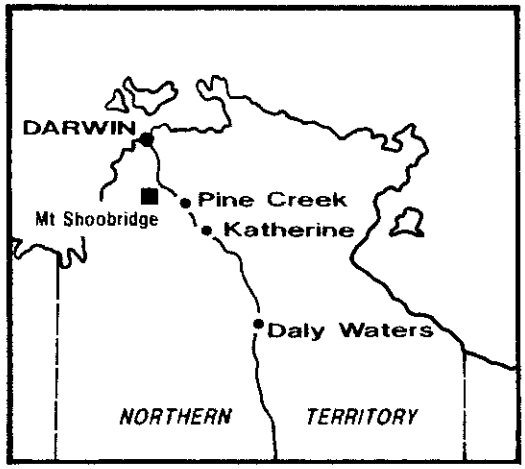
Generally subdued relief covered by sparse eucalypt forest is broken by steep valleys and ridges of 60m relief on the western edge of the area.

2. TENURE

The Mount Shoobridge tenements were held under an option agreement with R.M. Biddlecombe. This agreement covered ERL88, MCN's 1599 to 1608, 1623, 3340, 3341 and EL6624.

The tenement locations are shown in Figure 2. RGC Exploration has exercised its right to withdraw from the joint venutre in December 1990.

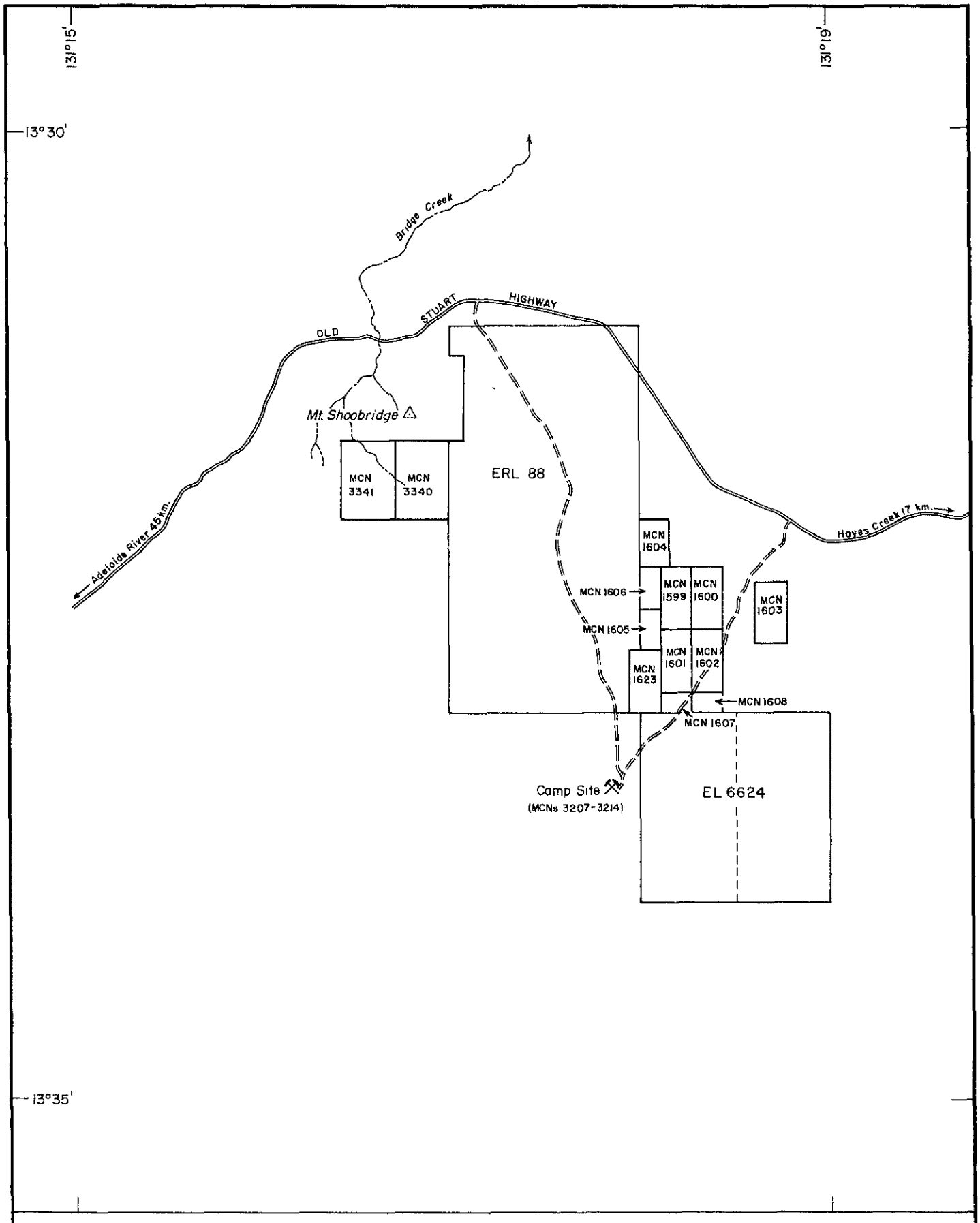




RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	StJ H	MT SHOOBRIDGE PROJECT
DRAWN	BJY	
DATE	FEB 91	**LOCATION & ACCESS**
CHECKED		Figure 1
1 250000 Reference	SD52-8	

BASE PLAN NO | SCALE 1:50000 0 0·5 1 1·5km | NT/91/3



RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	F.G.F.	MT SHOOBRIDGE PROJECT
DRAWN	A.M.L.	
DATE	Dec. 1989	TENEMENT LOCATION
CHECKED		
1:250,000 Reference	SD 52-8	Figure 2

BASE PLAN No. MTS/1003 SCALE 1:50,000 0 0.5 1.0 1.5km MT/91/2

3. PREVIOUS WORK

Tin mining is reported in the area from 1882. A number of tin mines and tin costeans and pits were sunk on pegmatites throughout the area.

The Mount Shoobridge or Old Company tin mine; one of the large mines; was worked to a depth of 60m and 145 tonnes of tin concentrate was won from the pegmatites. The Barretts mine south of ERL88 produced approximately 115 tonnes of tin concentrate. Smaller tin mines such as Chinaman's Hill and Halls Creek lie west of the Old Company mine, but no production figures are available. (Walpoe, 1968)

A host of exploration companies have held the prospect since the 1960's. United Uranium undertook extensive drilling for tin. The NT Geological Survey have drilled one diamond hole (DDH1) near the Old Company mine and four diamond holes (DDH2-5) near the pyromorphite workings during 1973-1974. Gold assays were taken only at the end of DDH5 and included one 1.0g/t assay.

In 1983 Talmina Trading costeaned and sampled, however no results are available. R.J. Burke undertook a B.Sc Honours thesis in the area in 1987 as part of a degree at Melbourne University. This thesis investigated the origin and distribution of mineralisation. R.M. Biddlecombe has done limited costeaning, assaying and "dollying" of quartz veins to determine gold content.

Dominion, St Josephs International and Sons of Gwalia have all undertaken surface sampling. BHP started work in mid-1987, as an option agreement with R.M. Biddlecombe. After encouraging results from costeaning, a percussion drilling programme was undertaken. This was followed by diamond drilling and RC drilling. BHP subsequently dropped the option agreement, which RGC took up in late 1989.

4. REGIONAL GEOLOGY

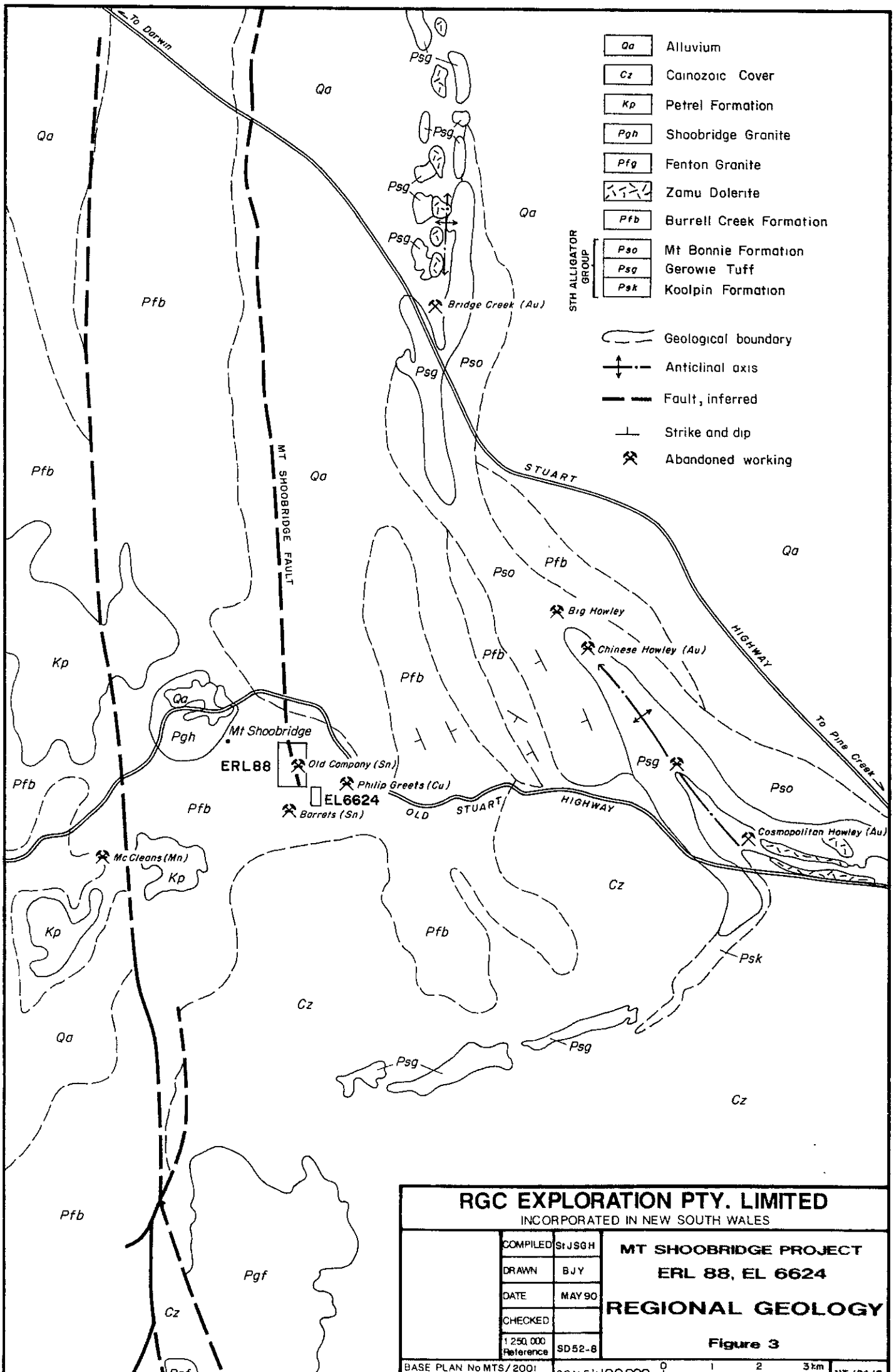
The project area lies to the central-western edge of the Pine creek Geosyncline, at the southern end of the Mount Shoobridge Fault. Generally NW to NNW trending fold axis have folded the rocks of the Finniss River Group and further east the younger South Alligator Group. The Howley anticline is the most prominent expression of this, containing sediments of the South Alligator Group. The Cosmopolitan Howley mine lies within the Koolpin Formation of the South Alligator Valley, 7km east of the Mount Shoobridge project (Figure 3).

ERL88 and associated MCN's are set in the Burrell Creek Formation of the Finniss River Group. This is comprised of greywacke, siltstone, sandstone and their metamorphosed and phyllitic equivalents.

Immediately to the north-west of the project area lies the Mount Shoobridge Granite, which is a stock 2km in diameter. This is zoned with a leucocratic core and a quartz monzonite rim. The leucocratic core contains quartz tourmaline bearing shear zones.

The overlying unconformable Mesozoic Petrel Formation forms a flat plateau and mesas to the west and south of ERL88.

Low-lying flat areas to the north and wouth-west of transported alluvium and Quaternary soils, hide much of the Burrell Creek Formation.



RGC EXPLORATION PTY. LIMITED

INCORPORATED IN NEW SOUTH WALES

COMPILED	StJSGH	MT SHOOBRIDGE PROJECT
DRAWN	BJY	ERL 88, EL 6624
DATE	MAY 90	REGIONAL GEOLOGY
CHECKED		Figure 3
1:250,000 Reference	SD52-8	

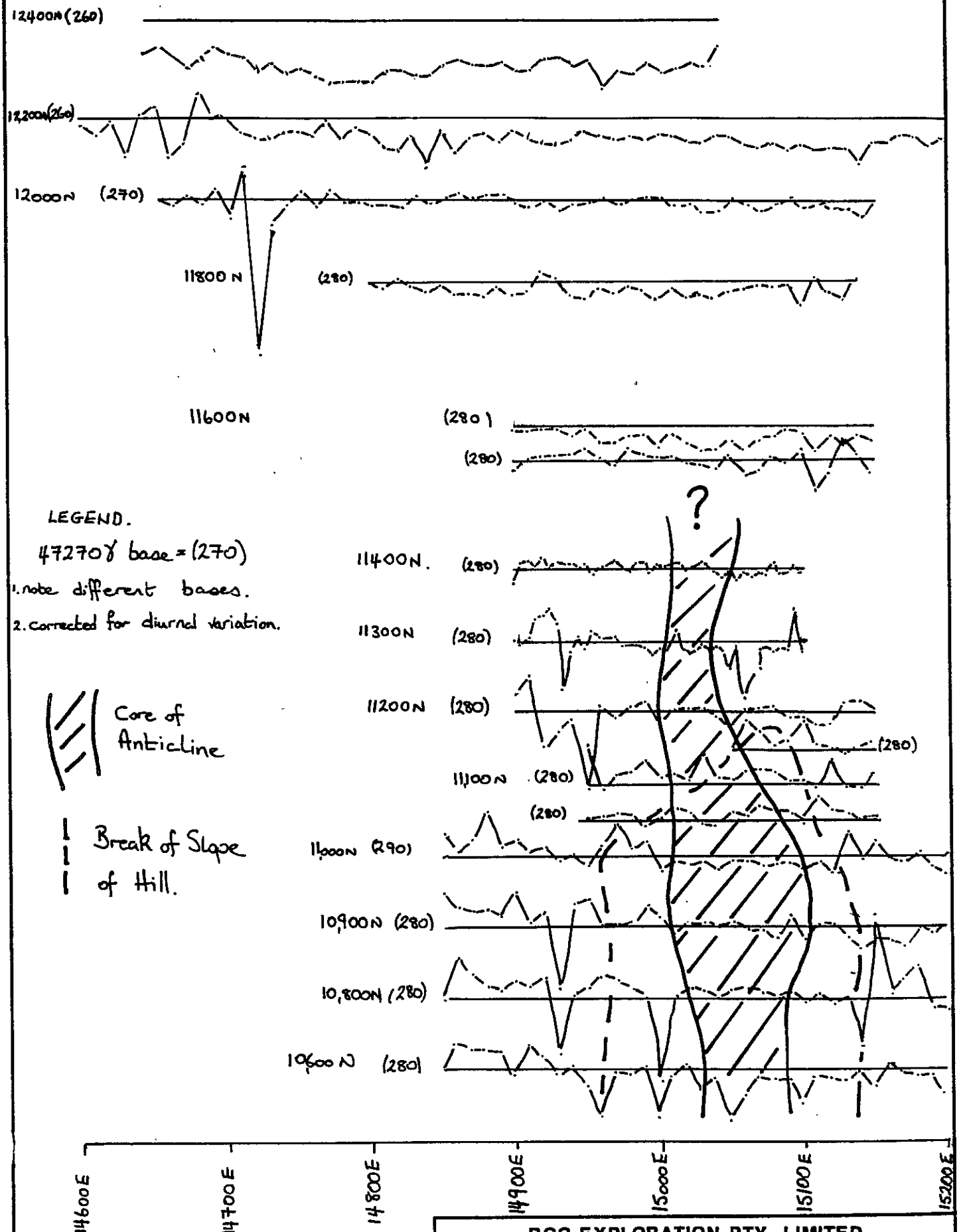
BASE PLAN No MTS/2001 0 1 2 3km

5. WORK COMPLETED

A mapping and soil sampling programme was undertaken to test for gold mineralisation during 1989-1990. In addition, rock chip sampling and trenching of prospective areas was undertaken. Details were reported in the Annual Reports for ERL88, EL6624 and the numerous Mineral Claims.

6. GEOPHYSICS

Ground magnetic traverses were conducted over a strike length of 1400m (Figure 4) and endeavoured to follow the mineralisation from known exposure out onto the alluvial flats. A subdued magnetic signature was found over the core of the anticline, but could not be followed with any certainty once on the alluvial flats. A small magnetic anomaly on line 12000N was delineated and targetted for drilling. Results and parameters are shown in Appendix .



RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	S.J.S.G.H.
DRAWN	S.J.S.G.H.
DATE	2-'91
CHECKED	✓
1:250000 Reference	

Mt. Shoobridge
Stacked Profiles.
Ground Magnetics

BASE PLAN NO
OVERLAY PLAN NO
SCALE 0 100m

Fig.4

7. RC DRILLING

In total 1173.5m of RC drilling was conducted for 22 holes. Drill holes MS1 to MS12 were drilled using a 4½" bit, the rig returned poor recoveries and subsequently a larger drill rig using a 5½" bit was used to drill holes MS13 to MS22. Subsequent samples for 5½" drill holes yielded > 35kg samples, with one eighth split giving between 3-5 kilos assay samples.

Drill holes MS1 to MS12 and MS22 were drilled in order to outline a continuous zone of mineralisation over a 500m strike length. Narrow zones of mineralisation averaging 1 - 1.5g/t were found within an overall halo of > 0.1g/t mineralisation. These narrow zones appear to reflect shears and high strain zones in the anticline and overturned limb, which have formed focii for mineralising fluids.

The gold usually occurs with quartz veins or in close proximity to quartz veins, suggesting that gold is present in microveins not seen in RC chips, or gold has dessiminated into the host rock from the quartz veins. Many clayey layers were intersected in drilling, these are interpreted as fault zones and may also act as a focus of mineralisation.

The logs and assay results are contained in Appendix A. A summary of the best intervals is as follows.

Hole	Interval
MS2	8m at 1.01g/t
MS3	4m at 5.20g/t
MS5	6m at 3.30g/t
MS7	8m at 1.10g/t
MS10	6m at 0.87g/t
MS11	8m at 0.70g/t
	and 10m at 0.60g/t
MS12	10m at 0.80g/t
	or 18m at 0.50g/t

Drill holes MS13-22 were targetted on possible high grade zones on the Mount Shoobridge anticline. This drilling was disappointing and did not detect any higher grade mineralised zones. MS22 was a "wild cat" hole drilled on the alluvial flats 400m north of the last intersections of the Mount Shoobridge anticline. Its aim was to establish the geology for use with RAB drilling in the area and to test for extensions of mineralisation from the Mount Shoobridge anticline. MS22 did intersect mineralisation, the final interval of the hole assaying 1.2g/t Au.

8. RAB DRILLING

52 RAB holes were drilled for a total of approximately 1100m to test for mineralisation. Most were drilled at 60° to the west to a depth of 21m. Four RAB lines were drilled north of the Mount Shoobridge anticline to test for extensions hidden under alluvial cover. A low grade halo of 0.1 to 0.9g/t Au was traced on lines 11600N and 11800N over 70m widths. This extends mineralisation 400m north of the exposed anticline. RAB lines on 12000N and 12200N did not intersect any mineralisation. Isolated values of 2.2 - 2.4g/t Au were found on line 11800N; west of the main mineralised area. These lie within a barren area and are probably alluvial in nature.

The RAB drilling did not suggest any increase in grade and has curtailed the extent of the mineralisation to the north. Little further potential for increased grade or tonnage appears to be available in the area.

A single RAB hole of 36m was drilled at the southern end of the pyromorphite vein system (Map 1). It was targetted on slightly elevated costean assays (0.5-0.7g/t Au); however grades were lower than those at surface and little further potential is anticipated in this system.

9. CONCLUSIONS AND RECOMMENDATIONS

The drilling conducted by RGC Exploration has confirmed the presence of continuous narrow zones of low grade gold mineralisation over several hundred metres.

However, the overall low grade and narrow mineralised zones make the prospect unnattractive as a stand alone deposit. RGC Exploration therefore has withdrawn from the joint venture.

10. EXPENDITURE

Expenditure on the project area from 19.10.90 to 15.12.91 is listed below.

Personnel	7,314
Travel and Accommodation	2,601
Drilling Contractors	33,599
Analytical Contractors	13,014
Transport	357
Stores, Supplies, Field Equipment	1,066
Office Costs	37
Administrative Overheads	9,287
Vehicle Costs	3,926
TOTAL	$71,201

APPENDIX:

MAGNETOMETER SURVEY

RGC EXPLORATION PTY LTD

FIGURE 5

Mount Shoobridge

ERL 88

Ground Magnetics

26-27/10/90.

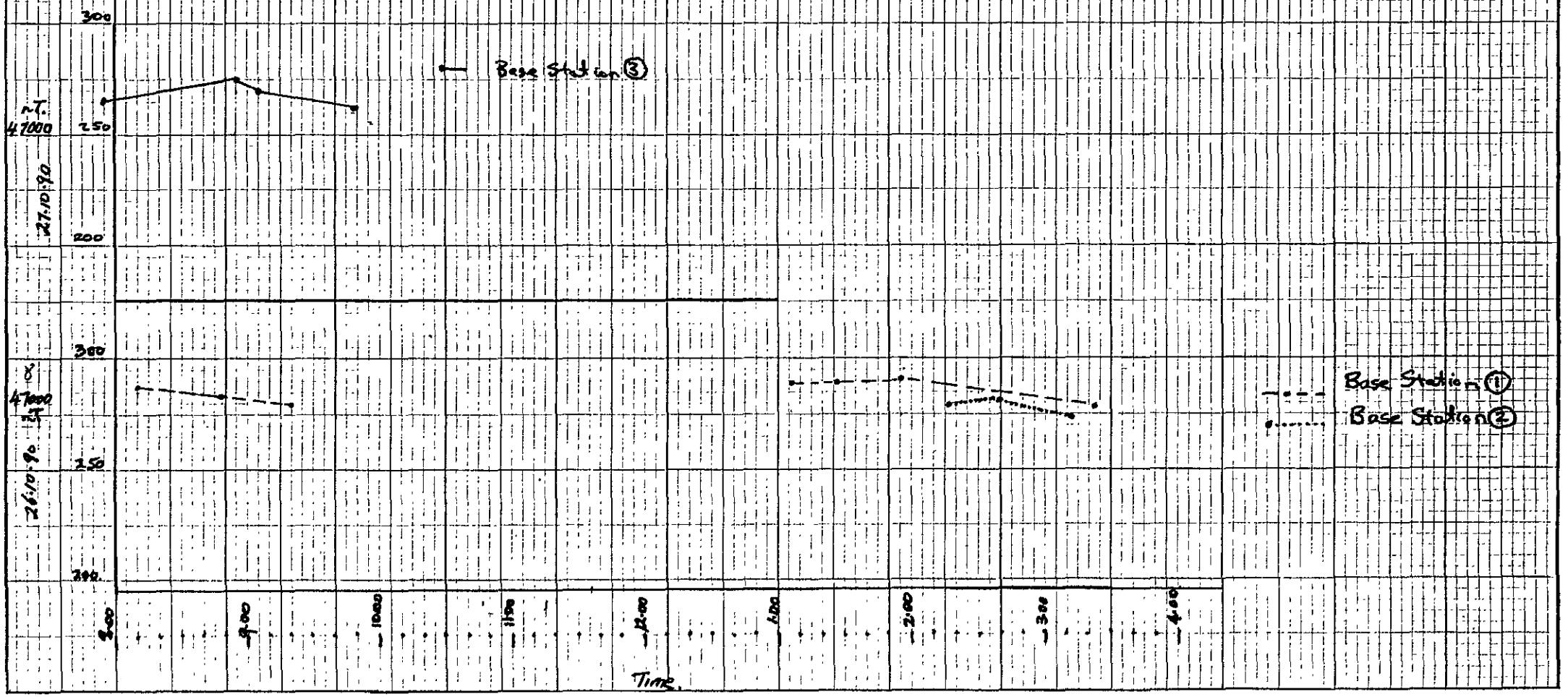
Diurnal Correction Plots.

Total field : 50000 Gammas.

Base Station ① 10995 N / 15150 E

" " ② 11294 N / 15095 E

" " ③ 12000 N / 14679 E



NORTHINGS.

12400 (260) (260) (12400)

12300

12200 (260) (260) (12200)

12100

12000 (270) (270) (12000)

11900

11800 (280) (280) (11800)

11700

11600 (280) 280 (11600)
(280) 280

11500 (11500)

11400 (280) 280 (11400)

11300 (280) 280 (11300)

11200 (280) 280 (11200)
280

11100 (280) 280 (11100)

280 280 (11050)

11000 (290) 290 (11000)

10900 (280) 280 (10900)

10800 (280) 280 (10800)

10700 (280) 280 (10700)

LEGEND

Mt. Shoobridge.

Ground Magnetics.

26-27/10/1990

* Note Slightly different Base Lines for some plots. (eg: 280, 270)

(270) = 47270 γ base.

* Note Scale

100m

100m

Stacked Profiles

-Corrected for diurnal variation

RGC Exploration Pty Ltd

FIGURE 4

14600 14700 14800 14900 15000 15100 15200

EASTINGS

APPENDIX: RAB LOGS

SR1 to SR52

q	=	quartz minor - <0.5%; mod. - 0.5 - 2%; abundant >2%
w	=	weathered
ms	=	micaceous schist
slt	=	siltstone
carb	=	carbonaceous
peg	=	pegmatite

(1.)

RGC EXPLORATION PTY LTD

DATE: 17·11·90	PROJECT: MT. SHOOBRIDGE.	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-1	5th end of	0-2	Soil, clay wms		✓		257401					
	Pyromorphite	-4	" " "		✓		402					
	Line	-6	" " "		✓		403					
		-8	" " "		✓		404					
		-10	ms, 20% q., tourm.		✓		405					
		-12	" 15% q		✓		406					
		-14	" 10% q		✓		407					
		-16	" 10% q		✓		408					
		-18	" 2% q		✓		409					
		-20	" "		✓		410					
		-22	" 5% q		✓		411					
		-24	" 2% q		✓		412					
		-26	" "		✓		413					
		-28	ms, minor q		✓		414					
		-30	" "	✓			415					
		-32	" "	✓			416					
		-34	ms	✓			417					
		-36	" E.O.H	✓			418					

(2)

RGC EXPLORATION PTY LTD

DATE: 18.11.90	PROJECT: MT. SHOOBRIDGE	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-2	11600N ; 14900E	0 - 2	Soil, wms, minor q		✓		419					
		- 4	" " "		✓							
		- 6	" " "		✓		420					
		- 8	" " "		✓							
		- 10	" "		✓		421					
		- 12	"		✓							
		- 14	" "		✓		422					
		- 16	"		✓		423					
		- 18	"		✓	✓	424					
		- 20	m.s. E.O.H.		✓	✓	425					
SR-3	11600N; 14920E	0 - 2	Soil, rubble		✓		426					
		- 4	" , minor q		✓							
		- 6	" "		✓		427					
		- 8	wms		✓							
		- 10	"		✓		42					
		- 12	"		✓							
		- 14	"		✓		4					

*HAMMER, *BLADE, *WET

(3)

RGC EXPLORATION PTY LTD

DATE: 18.11.90	PROJECT: MT. SHOOBRIDGE	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-3		-16	wms ; minor q		✓	✓	430					
(cont)		-18	" "		✓		431					
		-20	" " E.O.H.		✓		432					
			"									
SR-4	11600 N. 14940E	0-4	Soil, rubble		✓		433					
		-8	" , wms, minor q		✓		434					
		-12	wms		✓		435					
		-14	"		✓		436					
		-16	" , minor q		✓		437					
		-18	ms		✓		438.					
		-20	ms E.O.H.		✓		439					
			"									
SR-5	11600N ; 14960E	0-4	Soil, rubble		✓		440					
		-8	soil , wms		✓		441					
		-12	wms		✓		442					
		-14	"		✓		443					
		-16	"		✓		444					
		-18	"		✓		445					

*HAMMER, *BLADE, *WET

(4)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-5		-20	wms E.OH		✓		446					
			← "									
SR-6	11600N; 14980E	0-4	Soil, rubble		✓		447					
		-8	soil, wms		✓		448					
		-12	wms		✓		449					
		-14	"		✓		450					
		-16	"		✓		451					
		-18	ms		✓		452					
		-20	" E.O.H		✓		453					
			← "									
SR-7	11600N; 15000E	0-4	Soil, rubble		✓		454					
		-8	soil, wms		✓		455					
		-12	wms, minor q.		✓		456					
		-14	" "		✓		457					
		-16	ms		✓		458					
		-18	"		✓		459					
		-20	" E.O.H.		✓		460					
			← "									

*HAMMER, *BLADE, *WET

5

RGC EXPLORATION PTY LTD

DATE: 19-20/11/90	PROJECT:	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-8	11600N; 15070 E	0-4	Soil, rubble		✓		461					
		-8	soil, wms, minor q		✓		462					
		-12	grey carb. silt " "		✓		463					
		-14	" " " " "		✓		464					
		-16	ms		✓		465					
		-18	" minor q		✓		466					
		-20	" E.O.H.		✓		467					
			"									
SR-9	11600 N; 15040E	0-3	Soil, rubble		✓		468					
		-6	" "		✓		469					
		-9	soil, wms		✓		470					
		-12	wms		✓		471					
		-15	m.s., minor q		✓		472					
		-18	" "	✓			473					
		-21	" " E.O.H.	✓			474					

*HAMMER, *BLADE, *WET

(6)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D. N. G R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-10	11600N; 15060E	0 - 3	Soil, rubble		✓		475					
		- 6	" wms, some q		✓		476					
		- 9	wms, abundant q		✓		477					
		- 12	ms, some q		✓		478					
		- 15	" "	✓			479					
		- 18	" "	✓			480					
		- 21	" " E.O.H.	✓			481					
SR-11	11600N; 15080E	0 - 3	soil, wms		✓		482					
		- 6	wms, some q		✓		483					
		- 9	" "		✓		484					
		- 12	" "		✓		485					
		- 15	ms, pegmatite	✓			486					
		- 18	"	✓			487					
		- 21	" E.O.H.	✓			488					

*HAMMER, *BLADE, *WET

(7)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D. N. G R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR-12	11600E; 15100E	0 - 3	soil, wms		✓		489			
		- 6	wms, some q		✓		490			
		- 9	" ; pegmatite		✓		491			
		- 12	" , some q		✓		492			
		- 15	" pegmatite	✓			493			
		- 18	ms	✓			494			
		- 21	ms, minor q E.O.H.	✓			495			
SR-13	11600N; 15120E	0 - 3	soil, wms		✓		496			
		- 6	wms, minor q		✓		497			
		- 9	" , moderate q		✓		498			
		- 12	m. s. " "		✓		499			
		- 15	" , some q		✓		500			
		- 18	" " "		✓		501			
		- 19	" "		✓		502			

*HAMMER, *BLADE, *WET

8

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D. N. G. R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-14	11600 N; 15140 E	0-3	Soil, wms		✓		503					
		-6	wms, pegmatite		✓		504					
		-9	m.s		✓		505					
		-12	"		✓		506					
		-15	" , moderate q		✓		507					
		-18	"		✓		508					
		-20	" moderate q E.O.H.		✓		509					
SR-15	11800N; 14800E	0-3	Soil, wms		✓		510					
		-6	wms, moderate q		✓		511					
		-9	" " "		✓		512					
		-12	" " "		✓		513					
		-15	m.s. " "		✓		514					
		-18	" " "		✓		515					
		-21	" " " E.O.H.	✓	✓		516					
							517	= DUPLICATE		512.		

*HAMMER, *BLADE, *WET

(9)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D. N. G. R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-16	11800N; 14820E	0 - 3	soil, wms		✓		518					
		- 6	wms, minor q		✓		519					
		- 9	" "		✓		520					
		- 12	ms		✓		521					
		- 15	"		✓		522					
		- 18	"		✓		523					
		- 21	" E.O.H.		✓		524					
SR-17	11800N; 14840E	0 - 3	soil, wms		✓		525					
		- 6	wms, minor q		✓		526					
		- 9	" "		✓		527					
		- 12	ms "		✓		528					
		- 15	" "		✓		530					
		- 18	"		✓		531					
		- 21	" E.O.H.		✓		532					

*HAMMER, *BLADE, *WET

RGC EXPLORATION PTY LTD

DATE: 21.11.90	PROJECT:	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-18	11800N; 14860E	0-3	soil, rubble		✓		532					
		-6	soil, wms		✓		533					
		-9	wms, mod. q		✓		534					
		-12	m.s		✓		535					
		-15	"		✓		536					
		-18	"		✓		537					
		-21	", carbonaceous pug		✓	✓	538					
			← "									
SR-19	11800N; 14880E	0-3	soil, wms		✓		539					
		-6	wms		✓		540					
		-9	m.s., minor q		✓		541					
		-12	"		✓		542					
		-15	"		✓		543					
		-18	" " "		✓		544					
		-21	" E.O.H.		✓		545					

*HAMMER, *BLADE, *WET

(11)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D.N.G.R

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR-20	11800N; 14900E	0-3	Soil, wms		✓		546					
		-6	wms		✓		547					
		-9	m.s.		✓		548					
		-12	" minor q		✓		549					
		-15	"		✓		550					
		-18	" " "		✓		551					
		-21	" E.O.H.		✓		552					
			"									
SR-21	11800N; 14920E	0-3	Soil, wms, mod. q		✓		553					
		-6	m.s.		✓		554					
		-9	"		✓		555					
		-12	"		✓		556					
		-15	"		✓		557					
		-18	"		✓		558					
		-21	" E.O.H.		✓		559					

*HAMMER, *BLADE, *WET

(12)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: D.N.G.R.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR-22	11800N; 14940E	0-3	soil, wms, minor q		/		560			
		-6	wms		/		561			
		-9	" " "		/		562			
		-12	ms, pegmatite " "		/		563			
		-15	"		/		564			
		-18	"		/		565			
		-21	" E.O.H.		/		566			
SR23	11800N; 14960E	0-3	soil, wms		/		567			
		-6	wms, mod. q		/		568			
		-9	" " "		/		569			
		-12	" minor q		/		570			
		-15	m.s. "		/		571			
		-18	" "		/		572			
		-21	" " E.O.H.		/		573			

*HAMMER, *BLADE, *WET

13

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR24	11800N; 14980E	0-3	wms - minor q		/		574					
		-6	" " "		/		575					
		-9	" , abundant q		/		576					
		-12	ms		/		577					
		-15	" mod. q		/		578					
		-18	ms minor q		/		579					
		-21	" " E.O.H.		/		580					
			"									
SR25	11800N; 15000E	0-3	wms, minor q				581					
		-6	" , pegmatite, minor q				582					
		-9	" "				583					
		-12	" "				584					
		-15	ms mod. q				585					
		-18	" "				586					
		-21	"				587					

*HAMMER *BLADE *WET

(14)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR26	11800N 15020E	0-3	soil, wms		/		588					
		-6	wms, minor q		/		589					
		-9	ms		/		590					
		-12	" , clay.		/		591					
		-15	ms, minor q		/		592					
		-18	carb silt, mod q		/		593					
		-21	" " , abundant q		/	/	594					
			"									
SR27	11800N; 15040E	0-3	soil, wms		/		595					
		-6	wms, minor q		/		596					
		-9	" mod q		/		597					
		-12	ms		/		598					
		-15	"		/		599					
		-18	"		/		600					
		-21	"		/		601					

*HAMMER, *BLADE, *WET

ROC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR28	11800N; 15060E	0-3	soil, wms, minor q		/		602					
		-6	wms, mod. q		/		603					
		-9	ms " "		/		604					
		-12	"		/		605					
		-15	"		/		606					
		-18	"		/		607					
		-20	" minor q.		/		608					
SR29	11800N, 15080E	0-3	Soil		/		609					
		-6	wms, abundant q	/			610					
		-9	ms, carb silt, mod. q	/			611					
		-12	" mod q	/			612					
		-15	" minor q	/			613					
		-18	" " "	/		/	614					
		-21	" " "	/		/	615					

*HAMMER, *BLADE, *WET

(16)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR30	11800N; 15100E	0-3	wms		✓		616					
		-6	" , minor q, peg.		✓		617					
		-9	"		✓		618					
		-12	m.s "		✓		619					
		-15	" mod. q.		✓		620					
		-18	" minor q		✓		621					
		-21	" , carb silt, abundant q		✓		622					
			"									
SR31	11800N. 15120E	0-3	Soil		✓		623					
		-6	ms, minor q		✓		624					
		-9	" , carb silt, mod q.		✓		625					
		-12	" "		✓		626					
		-15	" minor q		✓		627					
		-18	" "		✓		628					
		-21	" "		✓		629					

*HAMMER, *BLADE, *WET

(17)

RGC EXPLORATION PTY LTD

DATE: 22.11.90	PROJECT:	GEOLOGIST: S.A. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR32	12.000N. 14720E	0-3	Soil, mod q.		/		257630			
		-6	wms, minor q		/		631			
		-9	"		/		632			
		-12	"		/		633			
		-15	" " "		/		634			
		-18	" " "		/		635			
		-21	ms.		/		636			
			"							
SR33	12000N; 14700E	0-3	Soil, wms, mod q		/		637			
		-6	" " "		/		638			
		-9	"		/		639			
		-12	ms		/		640			
		-15	"		/		641			
		-18	silicified ms		/		642			
		-21	" "	/		/	643			

*HAMMER, *BLADE, *WET

(18.)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR34	12000N, 14680E	0-3	wms, minor q		✓		644			
		-6	"		✓		645			
		-9	"		✓		646			
		-12	silicified ms, minor q		✓		647			
		-15	ms "		✓		648			
		-18	" "		✓		649			
		-21	"		✓		650			
SR35	12000N, 14950E	0-3	Soil		✓		651			
		-6	wms		✓		652			
		-9	" mod. q.		✓		653			
		-12	ms, minor q		✓		654			
		-15	" "		✓		655			
		-18	" "		✓		656			
		-21	"		✓		657			

*HAMMER, *BLADE, *WET

(19)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR36	12000N, 14970E	0-3	Soil, wms		✓		658					
		-6	" "		✓		659					
		-9	wms, minor q/peg		✓		660					
		-12	ms, mod q		✓		661					
		-15	" "		✓		662					
		-18	"		✓		663					
		-21	" minor q		✓		664					
SR37	12000N, 14990E	0-3	wms / soil		✓		665					
		-6	" "		✓		666					
		-9	silicified ms, minor q		✓		667					
		-12	ms, "		✓		668					
		-15	" "		✓		669					
		-18	"		✓		670					
		-21	"		✓		671					

*HAMMER, *BLADE, *WET

(2D)

RGC EXPLORATION PTY LTD

DATE: 23.11.90	PROJECT:	GEOLOGIST: N. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR38	12000N. 15010E	0-3	wms / soil		/		672			
		-6	"		/		673			
		-9	m.s.		/		674			
		-12	" mod. q		/		675			
		-15	"		/		676			
		-18	"		/		677			
		-21	"		/		678			
			"							
SR39	12000N; 15030E	0-3	soil, wms		/		679			
		-6	" "		/		680			
		-9	wms		/		681			
		-12	m.s. mod. q		/		682			
		-15	"		/		683			
		-18	"		/		684			
		-21	"		/		685			

*HAMMER, *BLADE, *WET

21.

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.A. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR40	12000N, 15050E	0-3	Soil		✓		686					
		-6	wms		✓		687					
		-9	" , minor blue-grq		✓		688					
		-12	ms		✓		689					
		-15	"		✓		690					
		-18	" , clay		✓		691					
		-21	" , minor q		✓		692					
			"									
SR41	12000N 15070E	0-3	Soil, wms		✓		693					
		-6	wms, mod. q		✓		694					
		-9	" , clay		✓		695					
		-12	"		✓		696					
		-15	ms		✓		697					
		-18	" clay		✓		698					
		-21	"		✓		699					

*HAMMER, *BLADE, *WET

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.H. J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR42	12000N ; 15090E	0 - 3	Soil, wms		✓		700					
		- 6	wms, minor q		✓		701					
		- 9	"		✓		702					
		- 12	ms		✓		703					
		- 15	"		✓		704					
		- 18	"		✓		705					
		- 21	" minor q		✓		706					
SR43	12000N, 15110E	0 - 3	Soil, wms		✓		707					
		- 6	wms, mod. q		✓		708					
		- 9	m.s. " "		✓		709					
		- 12	"		✓		710					
		- 15	"		✓		711					
		- 18	"		✓		712					
		- 21	"		✓		713					

*HAMMER, *BLADE, *WET

(3 of 3)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S. J. N.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As
SR44	12000N; 15130E	0 - 3	Soil, wms		✓		714			
		- 6	wms, minor g		✓		715			
		- 9	" mod. g		✓		716			
		- 12	ms		✓		717			
		- 15	" minor g		✓		718			
		- 18	" "		✓		719			
		- 21	"		✓		720			
			"							
SR45	12200N 14960E	0 - 3	Soil wms		✓		721			
		- 6	wms		✓		722			
		- 9	"		✓		723			
		- 12	"		✓		724			
		- 15	ms		✓		725			
		- 18	" minor g		✓		726			
		- 21	"		✓		727			

*HAMMER, *BLADE, *WET

(24)

RGC EXPLORATION PTY LTD

DATE: 24.11.90	PROJECT:	GEOLOGIST: A. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR46	12200N, 14980E	0-3	Soil, wms		✓		728					
		-6	wms		✓		729					
		-9	"		✓		730					
		-12	" minor q		✓		731					
		-15	wms mod. q		✓		732					
		-18	"		✓		733					
		-21	"		✓		734					
			"									
SR47	12200N, 15000E	0-3	Soil		✓		735					
		-6	" wms		✓		736					
		-9	wms, minor q		✓		737					
		-12	ms, clay pog		✓		738					
		-15	"		✓		739					
		-18	"		✓		740					
		-21	"		✓		741					

*HAMMER, *BLADE, *WET

(25)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S.P.J.H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR48	12200N; 15020E	0-3	Soil, wms		✓		742					
		-6	wms, minor q		✓		743					
		-9	" "		✓		744					
		-12	" " clay		✓		745					
		-15	" "		✓		746					
		-18	" , minor Silt st.		✓		747					
		-21	" " "		✓		748					
			"									
SR49	12200N; 15040E	0-3	Soil, wms		✓		749					
		-6	wms		✓		750					
		-9	" , mod. q		✓		751					
		-12	ms, mod.q, peg, carb sH.		✓		752					
		-15	" "		✓		753					
		-18	"		✓		754					
		-21	" minor q		✓		755					

*HAMMER, *BLADE, *WET

(26)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: S. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR50	12200N, 15060E	0-3	Soil, wms		✓		756					
		-6	" "		✓		757					
		-9	wms, minor q		✓		758					
		-12	" " , clay		✓		759					
		-15	Silicified Silt, clay		✓		760					
		-18	ms		✓		761					
		-21	ms		✓		762					
SR51	12.200N, 15080E	0-3	Soil, wms		✓		763					
		-6	" "		✓		764					
	Damp ground;	-9	wms		✓		765					
	poor recoveries	-12	ms, mod. qtz.		✓		766					
		-15	" minor q		✓		767					
		-18	" "		✓		768					
		-21	"		✓		769					

*HAMMER, *BLADE, *WET

(27)

RGC EXPLORATION PTY LTD

DATE:	PROJECT:	GEOLOGIST: SV. J. H.

HOLE	LOCATION	METRES	DESCRIPTION	*H	*B	*W	Sample No.	Au	Au(R)	As		
SR52	122000; 15100E	0 - 3	Soil, wms		/		770					
		- 6	wms, mod. q		/		771					
		- 9	" minor q		/		772					
		- 12	", peg, clay peg		/		773					
		- 15	" clay peg		/		774					
		- 18	ms		/		775					
		- 20	ms		/		776					

*HAMMER, *BLADE, *WET

APPENDIX: RC LOGS

MS1 to MS12

qtz	=	quartz
sltst	=	siltstone
sst	=	sandstone
BOX	=	Base of Oxidation
Dk	=	Dark
Lt	=	Light
Mic	=	Micaceous
phyll	=	phyllitic
bl	=	blue
gy	=	grey
wh	=	white
tr	=	trace
Tml	=	Tourmaline
kfspr	=	k-feldspar
Py	=	Pyrite

GOLD FIELDS EXPLORATION PTY. LTD.

4½" HAMMER

Hole No. MS 1 (1/2)

Location. Mt. Shoobridge

DRILL LOGS

R.C. DRILLING

Azimuth. 255°

Declination. -60°

T.D. 50m

Collected By. St John Herbert

Date. 9/10/90

Co-ordinates. 11200N., 15100E.

	DESCRIPTION	ROCK TYPE	% SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath.	part w.	fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
0-2	Lt. brn siltstone, tr. qtz (white transp. cl.							Poor Recovery		255201			
2-4	Lt. brn siltstone + alluvium; wh-gy to clear qtz 20%							Low recovery		202			
	+ mod. fe staining												
4-6	Lt. tan clay + Siltstone, wh-gy + bl-gy qtz 50%							Pr Rec.		203			
	limited fe staining												
6-8	Lt. tan silicified siltstone, wh qtz + Kfspr 10%							P.R		204			
8-10	Creamy-tan siltstone, silicified + 10% wh qtz laminated							P.R		205			
10-12	Lt. brn siltstone wh qtz 2% minor Limonite + fine sulphides.							PR		206			
12-14	Lt brn mudstone or clt'd Siltstone, wh qtz 40%							PR		207			
14-16	Lt. Grey 95% wh-qtz + V. minor fe staining + 5% siltstone							PR		208			
16-18	Grey Siltstone 1% wh-qtz, minor fe staining + silicification. BASE OF OXIDTN							PR		209			
18-20	DK. Grey siltstone (Poss alt'd) + tr qtz + tr Py.							PR		210			
20-22	DK Grey Siltstone + 4% qtz + tr py							PR		211			
22-24	DK Grey Siltstone, ½% wh qtz + minor fe staining + 0.5% Py in siltst. Water in Sample							P.R.		212			
24-26	DK Grey siltstone, 1% wh-qtz, 1% Py in silt H_2O							V. P. Rec		213			
26-28	DK. Grey Siltstone + wh qtz 1% + Kfspr 0.5% + Sulphides in siltst minor : H_2O							V.P.R		214			
28-30	DK Grey siltstone + 1% wh-qtz + tr Py in siltst. H_2O							VPR		215			
30-32	DK Grey siltst., silicified + ½% Py + wh-gy qtz veins + minor Py							VP.R		216			
32-34	DK Grey siltst + 1% Py, minor wh-gy qtz veins + Py							P.R.		217			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS1 (2/2) | DRILL LOGS | Azimuth..... | Collected By.....

Location..... | R.C. DRILLING | Declination..... | Date.....

T.D..... | Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA
34-36	DK Grey siltst, wh-gy qtz + sulphides in siltst 1%					PR		218	
36-38	DK Grey med gd siltst (? gd. sst?) + 0.5% sulphide large cubic xtls; + Red bwn staining, Bss Po					PR		219	
38-40	DK Grey siltst, 5% med gd sst, minor wh qtz vns + 1/2% Py + Red-bwn Po? stains.					PR		220	
40-42	DK. Grey siltst, greenish mic. siltst 1%, + sulphides 0.5%, wh qtz + sulphide 0.5%					PR		221	
42-44	DK Grey siltstone 50%, Lt. Gn silicified siltst, wh qtz (0.3%), tr sulphides					PR		222	
44-46	Lt. Grey silicified med gd. silt; wh qtz veins + Tourmaline selvage 1%; + Py on siltst 0.5%.					PR		223	
46-48	DK. Grey siltst., + Lt. Gn silicified Sst + 5% wh gy qtz veins, + fe stains + Sericite					PR		224	
48-50	DK Grey siltstone, + Lt. Gn silicified Sst, siltst 30%; wh-gy qtz + lm. stains 4% + Weathered sst. cavities?					PR		255225	
						DUPLICATE		255226	

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 2
Location. Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth. 250°
Declination. -60°
T.D. 60m

Collected By. St John Herbert
Date. 9:10:90
Co-ordinates. 11200N 15060E

	DESCRIPTION	ROCK TYPE	% SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath.	part.w.	fresh	INTERVAL From	INTERVAL To	SAMPLE No.	Au	Au(R)		As			
0-2	Or-bwn clay & qtz & fe fragments (0-5%) + "ob alluvium							P.R		255227							
2-4	Or-bwn clayey siltstone, & fe-ox qtz 10%							P.R		228							
4-6	Dk. bwn wh-gy qtz 60%, or-bwn fe-ox siltst 20%, sst 20%							P.R		229							
6-8	med bwn, dk grey siltst 40%, bwn fe-ox Sst 40%; wh-gy qtz 20%							P.R		230							
8-10	Lt. bwn, DK Gy siltst 60%; or-bwn sst 35%, wh-gy (5%) qtz + chl + tr sulphide.							P.R		231							
10-12	Lt. Gy siltst, some limonite stains on fract, minor qtz veins & sst							P.R		232							
12-14	Grey silicified Siltst & Sulphide 1%, minor Sst wh-gy qtz Vns 40% + Py 1% minor sericite							P.R		233							
14-16	Lt. Grey siltst. 30%, wh-gy qtz Vns 70%, + Py 1%							P.R		234							
16-18	Lt Grey, wh-gy qtz 15%; Silicified sst/Gwac 80% Siltst 5% ?K-BOX?							P.R		235							
18-20	Lt. Grey silicified Sst/Gwac 70%, wh-gy qtz Vns 20%, siltst 10% & fe-ox							P.R		236							
20-22	Lt. Grey silicified + alt'd Sst, Gwac + Sulphides 1% minor wh-gy qtz Veins							P.R		237							
22-24	Lt. Grey bwn-phyllitic micaceous siltst + wh-gy qtz 30% + fe-ox 5%.							P.R		238							
24-26	Lt. Grey bwn Siltst. 30%; silicif Sst/Gwac 50% wh-gy qtz Vns 20%							P.R		239							
26-28	Grey siltst 50%; Sst/Gwac 35%, Wh-gy qtz Vns 20%							P.R		240							
28-30	Lt. Grey Gwac/Sst, 5% Siltst, 15% Wh-gy qtz Vns + 0.5% Sulphide							P.R		241							
30-32	Grey silicf Sst/Gwac 70%; 5% Siltst, 15% Wh qtz Vns + tr Kfspr							P.R		242							
32-34	Grey Sst, (Gwac + fe-ox?) + 10% wh-gy qtz veins							P.R		243							
34-36	Grey siltst, & red-bwn silt - (fault) + tr sulphides							P.R		244							
36-38	Grey-bwn, siltst + fe-ox Sst, (Fault), wh qz + Kfspr 30% + Tml.							P.R		255245							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 2 (2/2)

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part.w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)		As			
38-40	Dk. Cry Sst/Gwac; 30% wh-gy qtz + chl (tr)					PR		255246							
40-42	Lt. Cry siltstone + minor wh qtz vein					P.R		247							
42-44	Lt. Cry Sst, Gwac; 20% Siltst; 10% wh-gtz + minor sulphides					P.R		248							
44-46	DK Cry siltst, wh qtz Vns 10%					VPR		249							
46-48	DK Cry Gwac, Sst + 1% wh qtz Vns					VPR		251							
48-50	DK Cry Gwac/Sst + 1% wh qtz Vns					VPR		252							
50-52	Dk. Cry Gwac + minor qtz + minor py, aspy in Sed.					VPR		253							
52-54	Dk. Cry Gwac, minor qtz + 1% Py, Aspy in Sed.					VPR		254							
54-56	DK. Cry siltst.; wh qtz 2% + minor sulphide					P.R		255							
56-58	DK Cry; Gwac/Sst; +5% wh qtz minor sulphide					PR		256							
58-60	DK Cry Gwac Sst 50%, Siltst 48%, Wh qtz 2%.					PR		255257							
	E.O.H.					DUPLICATE		255258							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 3 (1/2)

Location Mt Shoobridge

DRILL LOGS

R.C. DRILLING

Azimuth 250°

Declination -60

T.D. 60m

Collected By St John HERBERT

Date 10/10/90

Co-ordinates 11200N 15036E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part.w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
0-2	Lt. brwn clayey siltst, (alluv.?)					PR		255259			
2-4	Lt.-brwn clayey sandy (alluvium?)					P.R		260			
4-6	Or-brwn sst + wh-gy qtz 4% + Fe-ox stains trace Py.					P.R		261			
6-8	Or-brwn weathered Sst, minor qtz (2%)					P.R		262			
8-10	Lt brwn Sst, with 2% qtz wh-gy + Fe-ox					P.R.		263			
10-12	Lt brwn mic. siltst + 30% wh-gy qtz + Fe-ox					P.R		264			
12-14	Lt. brwn mic siltst + 50% wh-gy qtz + Fe-ox					P.R		265			
14-16	Lt. Grn-Gry siltst + 20% wh-gy qtz + tr chl.					P.R		266			
16-18	Lt Grn-Gry siltst 10% + Sst, wh-gy qtz 10%, minor sericite					P.R		267			
18-20	Lt. Gy siltst + 20% Sst, wh-gy qtz 1%, Aspy in Sed tr. K-Bdx					H_2O VPR		268			
20-22	Lt. Gy siltst + 1% Sst, wh-gy qtz 5% minor sulph stringers in Sed.					PR		269			
22-24	Lt. Gy Siltst + wh-gy qtz 2% + 5% Sst, sericite 5%; Aspy 1% in qtz					H_2O VPR		270			
24-26	Lt. Gy siltst + wh-gy qtz 1%, + tr Py + tr ser					PR		271			
26-28	Lt Gy Sst + 5% Siltst; wh-gy qtz 1%, tr chl					P.R		272			
28-30	Lt. Gy Siltst; 1% Sst; minor wh qtz					PR		273			
30-32	Lt. Gy siltst + 40% wh-gy qtz + tr ser + tr k-fspr					VPR		274			
32-34	Lt. Gy siltst, Sst 1% tr ser, wh-qtz 40%, Py 1% in sed					PR		275			
34-36	Lt. Gy Siltst, wh-gy qtz 20%, minor chl 1% Py in Sed tr ser					P.R		276			
36-38	Lt. Gy Sst, 10% Siltst, wh-gy qtz 60%, k-fspr 2%, tr Py in Sed.					P.R		255277			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 3 (2/2)

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part.w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(c)		As			
38-40	Grey S.ltst, wh-gy qtz 10% + Py + chl minor k-fspr 1%, Py in Sed minor					POSS CLAY CONTAM OR		255278							
40-42	Grey Siltst.; 20% wh-gy qtz + minor chl or-red sandy clay 2%.					FAULT	ZONE	279							
42-44	Grey, S.ltst + 3% Py, wh-gy qtz 5% 2% -or- sandy clay					PR		280							
44-46	Dk Grey S.ltst, wh-gy qtz 1% + 0.5% Py or-sandy clay 1%					PR		281							
46-48	Dk Gy S.ltst + Py minor, wh-gy qtz minor or-sandy clay					PR		282							
48-50	Dk Gy, phyllitic siltst; minor qtz or-sandy clay					PR		283							
50-52	Dk. Gy micaceous phyllitic S.ltst, minor wh-gy qtz or-sandy clay					PR		284							
52-54	Dk Gy mic. Siltst.; tr. wh-gy qtz or-sandy clay					PR		285							
54-56	54-55 micaceous phyllitic Siltst. 55-56 or-brwn sandy silt - Prob not contam Prob Fault!!					PR		286							
56-58	Dk. Gy micaceous Siltst.					PR		287							
58-60	Dk. Gy Phyllitic mic. siltst.					PR		255288							
	E.O.H.					DUPLICATE		255289							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 4

Location Mt. Sharbridge

DRILL LOGS

R.C. DRILLING

Azimuth 068°

Declination -60°

T.D. 50m

Collected By St John Herbert

Date 11/10/90

Co-ordinates 11200N 15010E

Ø	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath.	part. w.	fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA Au	Au(c)	As
0-2	Or-bwn siltstone micaceous							P.R		255298			
2-4	Or-bwn siltstone, 30% wh-gy qtz + chl tr							P.R		291			
4-6	Lt. tan-brown, siltstone, micaceous							P.R		292			
6-8	Lt. bwn micaceous Siltstone, + 5% wh-gy qtz + chl							P.R		293			
8-10	or-bwn micaceous phyllitic siltstone							P.R		294			
10-12	or-bwn sst, wh-gy qtz 1%, + tr chl, Tmline.							P.R		295			
12-14	Lt. tan prob mic Siltst, spls reduced to talc sized powder							P.R		296			
14-16	Lt. tan, fe-oxidized Siltstone							P.R		297			
16-18	Lt. tan fe-oxidized sst, +2% wh-gy qtz							P.R		298			
18-20	Lt. tan-grey fe oxid siltst, minor sst, wh-gy qtz 1% + Tml.							P.R		299			
20-22	Lt. Grey siltst., wh-gy qtz 5%, + minor ser, chl, KBØX							P.R		301			
22-24	Lt. Gy siltst, 30% Sst, minor qtz veins							P.R		302			
24-26	Lt. Gy Sst, 5% Siltst, minor qtz							P.R		303			
26-28	Lt. Gy Siltst.; 40% wh-gy qtz + minor chl.							P.R		304			
28-30	Lt Gy Phyllitic Siltst, +5% Sst; minor wh-gy qtz							P.R		305			
30-32	Lt. Gy silicified sst, minor Py; wh-gy qtz; chl							P.R		306			
32-34	Lt. Gy silicified sst, minor Py, wh-gy qtz							PR		307			
34-36	Lt. Gy; Silicified Sst, 2% Wh qtz VNs							P.R.		308			
36-38	Lt. Gy Silic sst, 10% Or-bwn weathered Sst. minor wh-gy qtz. FAULT.							P.R		255309			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS4 (2/2)

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	% SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(c)		Ag				
38-40	Lt. Grey Sst, partially oxidized + 2% or-brwn weathered Sst: (FAULT!)					P.R		310								
40-42	Lt. Grey S.ltst, partially oxidized + 1% wh-gy qtz					P.R		311								
42-44	Phyllitic Lt. Gry Siltst., wh-gy qtz 95% + Py 2% - or-brwn sandy-clay (fault.)					P.R		312								
44-46	Lt. Grey brwn, siltst; 5% red-brwn Weathered Siltst; 1% Py					P.R		313								
46-48	Lt. Gy brwn, micaceous Siltst, + 5% weathered brwn Siltst, 1% Py					P.R		314								
48-50	Lt Gy brwn micaceous S.ltst, & RD-brwn weathd siltst, minor wh-gy qtz.					P.R		255 315								
						DUPLICATE		255 316								

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 5.
Location Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth 070°
Declination -50°
T.D. 50m

Collected By St John Herbert
Date 11.10.'90
Co-ordinates 11200N 14980E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
0-2	or-brn silty clay minor qtz					VP		255317			
2-4	Lt. brn, siltst, 5% wh-gy qtz, 2% fe-ox Sst					VPR		318			
4-6	Lt. tan-brn, siltst, wh-gy qtz 1%					PR		319			
6-8	Lt. brn mica siltst, Sst 2%, wh-gy qtz 1%					PR		320			
8-10	Tan brn siltst, micaceous phyllite, wh-gy qtz 1%					PR		321			
10-12	Gn-brn micaceous phyllitic siltst, wh-gy qtz 1%					PR		322			
12-14	Lt. brn micas phyllitic Siltst.					PR		323			
14-16	Lt. brn mic. siltst + 5% wh-gy qtz					PR		324			
16-18	Lt. Gn brn micaceous phyllitic Siltst, 2% wh-gy qtz					PR		325			
18-20	Gn-brn phyllitic micaceous siltst, fe-ox					PR		326			
20-22	Lt. Grey-Gn mic. siltst K BOX.					PR		327			
22-24	Lt. Gry micaceous Siltst, minor fe-ox.					PR		328			
24-26	Lt. Gry mic siltst, phyllitic +1% wh-qtz					PR		329			
26-28	Lt. Gy mic's phyllitic siltst, minor wh-qtz minor clay band.					PR		330			
28-30	Lt. Gy mic. phyllitic Siltst, 5% wh-qtz 30% clay-or-brn.					PR		331			
30-32	Lt. Gy micaceous phyllitic siltst, minor wh-gy qtz - minor clay band					PR		332			
32-34	Lt. Grey mic siltst, tr wh-gy qtz					PR		333			
34-36	Lt. Grey mic Siltst, + wh-gy qtz minor Py in sand					PR		334			
36-38	Lt. Gy mic Siltst, minor qtz.					PR		255335			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 5. (2/2)

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part.w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	AuAR		AS				
38 -40	Lt. Gy micaceous Siltst, minor wh-gy qtz minor clay band					VPR		255336								
40 -42	Lt. Gy micaceous Siltst.					PR		337								
42 -44	Lt. Gy micaceous Siltst, 40% clay band, minor py					PR		338								
44 -46	Lt. Gy micaceous siltstone.					PR		339								
46 -48	Lt. Gy micaceous Siltstone					PR		340								
48 -50	Lt. Gy micaceous siltstone, 1% wh-gy qtz					PR		255341								
	E.O.H.					DUPLICATE		255342								

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 6

Location. Mt. Shasbridge

DRILL LOGS

R.C. DRILLING

Azimuth. 250°

Declination. -60°

T.D. 60m

Collected By. St John Herreer

Date. 12.10.90

Co-ordinates. 11200N 1508E

	DESCRIPTION	ROCK TYPE	% SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath.	part w.	fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA Au	Au(R)		As			
0-2	Lt. Gn-brn, silty clay, minor fe-ox, Sst, qtz							PR		255365							
2-4	Red-brn, fe-ox Siltst, 15% wh-gy qtz.							PR		366							
4-6	Or-brn Siltst, 60% wh-gy qtz + 15% coarse Pegmatite → mustovite							PR		367							
6-8	Lt. Gn brn, micaceous phyllitic Siltst, minor wh-gy qtz +mica							PR		368							
8-10	Lt. Sandy-yellow siltst + 30% wh-gy qtz							PR		369							
10-12	Lt Yellow-tan, 95% wh + wh-gy qtz + fe-ox a 5% Siltst.							PR		370							
12-14	Lt. Gn-Gy micaceous phyllitic Siltst, 60% wh-gy qtz + fe-ox.							PR		371							
14-16	Grey Siltst +20% Sst, tr qtz							PR		372							
16-18	Lt. Gn-Gy micaceous siltst, 30% fe-ox Sst + 1% qtz wh-gy							PR		373							
18-20	Lt. Gy alt'd? Siltst; 10% wh-gy qt + 1% Py in Vein BOX							PR		374							
20-22	Lt. Grey silicified Siltst 40%; silicif Sst +K-fspr 45%; 10% wh-gy qtz + 1% Py							PR		375							
22-24	Lt. Gy Silicified Sst + minor Kfspr, tr qtz							PR		376							
24-26	Lt. Gy Sst, + Py + wh gy qtz 10% + Py. Total Py 1%							PR		377							
26-28	Lt. Gy Siltst + 10% Sst, silif'd + Kfspr 1% Py-Aspy in seal + qtz vn, 1% wh-gy qtz							PR		378							
28-30	Lt. Grey silicified Siltst + minor Kfspr, minor Py + minor or-brn clay (FAULT)							PR		379							
30-32	Lt. Grey silicif Siltst, minor Py, 50% or-brn clay							PR		380							
32-34	Lt. Grey Siltst, wh-gy qtz 10%							PR		381							
34-36	Lt. Gy Sif'd. Siltst, minor qtz tr Py							P.R		382							
36-58	Lt. Gy siltst, phyllitic micaceous wh-gy qtz 5%; or-brn clay 40%							PR		255383							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS6 | DRILL LOGS | Azimuth..... | Collected By.....

Location..... | R.C. DRILLING | Declination..... | Date.....

T.D..... | Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
38-40	Lt. Gy, Silicif Sst, 15% wh-gy qtz + minor Py					PR		255384			
40-42	Lt. Gy micaceous phyllitic Siltst, 1% wh-gy qtz + minor Py					PR		385			
42-44	Lt Gy micaceous phyllitic Siltst, tr qtz					PR		386			
44-46	Lt. micaceous phyllitic Siltst, minor qtz					PR		387			
46-48	Lt. gy micaceous Phyllitic Silt, 1% Py in Seds minor qtz					PR		388			
48-50	Lt. gy micaceous phyllitic siltst minor Py + qtz Vn.					PR		389			
50-52	Lt Gy mic. siltst, + minor wh-gy qtz					PR		390			
52-54	Lt. Gy mic phyllitic siltst, minor qtz + tr Py					PR		391			
54-56	Lt. Gy mic. Siltst, minor wh-gy qtz					PR		392			
56-58	Lt. Gy mic Siltst, silicif. minor Py minor K-fsprs					PR		393			
58-60	Lt. Gy mic. siltst, minor Py.					PR		255394			
	EOH.					DUPLICATE		255395			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 7
Location. Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth. 250°
Declination. -60
T.D. 40m

Collected By. S.J. Herbert
Date. 12.10.90
Co-ordinates. 11150N 15010E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	width	part. w	fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA Au	Au(R)		As			
0-2	Brown fe-ox sandy-silty clay.							PR		255343								
2-4	Lt. brn, wh-gy qtz 60% +mica Sst 20% Silt 15% clay 5%							PR		344								
4-6	Or-brn fe-ox silt, wh-gy to bl-gy qtz 90%, Py 1%							PR		345								
6-8	or-brn, wh-gy to bl-gy qtz 90% coarse mica 2%, +Py + Siltst 3% + Sst 5%							PR		346								
8-10	or-brn to Grn brn + CAVITIES, mic Siltst. 10% Wh-gy qtz							VPR		347								
10-12	Or-brn coarse Siltst + 5% wh-gy qtz minor Siltst. (cavities)							PR		348								
12-14	Bl-Gy qtz 30%, fe-ox Siltst Grn-brn							P.R		349								
14-16	Lt. brn fe-ox Sst, wh-gy qtz 30% cavities							P.R		350								
16-18	Lt. Creamy tan; porphyry fe-ox Siltst, minor qtz							PR		351								
18-20	Lt. Grn-Gy, Phyllitic Siltst, 5% Sst, minor qtz							P.R		352								
20-22	Lt. Gy Siltst, 5% clay; 5% wh-gy qtz minor chl Box tr K-fspr							P.R		353								
22-24	Lt. Gy Siltstone 10% sst + Kfspr 60% wh-gy qtz TOTAL sulph. ½%, minor Aspy, chl, Py 1% Py							P.R		354								
24-26	Lt. Gy mic. Siltst. 70% wh-gy qtz ½% Py							P.R		355								
26-28	Lt. Gy mic. Siltst, 5% Sst + Kfspr 30% wh-gy qtz +0.5%							P.R		356								
28-30	Lt. Gy Siltst. 5% wh-gy qtz + 1% Py							P.R		357								
30-32	Lt. Gy Siltst, 1% wh-gy qtz; 1% Py							PR		358								
32-34	Lt. gy mic. siltst, 5% wh-gy qtz 0.5% Py							P.R		359								
34-36	Lt. Gy mic. Siltst, 15% wh-gy qtz, minor Py							P.R		360								
36-38	Lt. Gy mic siltst, 3% wh-gy qtz + chl tr +minor Py							P.R		361								

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS7

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH ! 35 10	% QTZ VEIN 10 50 90	weath.	part. w	fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA
38-40	Lt. Cy mic. S.Ltst. minor qtz, tr Py							PR		255363	
	E.O.H.							DUPLICATE		255364	

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS8

Location Mt. Shoobridge

DRILL LOGS

R.C. DRILLING

Azimuth 070°

Declination 60°

T.D. 50m

Collected By St. John Herbert

Date 12:10:90

Co-ordinates 11150N 14990E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(c)		As			
0-2	Or-bwn Siltst, 20% wh-gy qtz					PR		255396							
2-4	Or-bwn Siltst., fe-ox, 40% wh-gy qtz+fe-ox					-11 A zone		397							
4-6	Or-bwn Siltst, 30% fe-ox wh-gy qtz							398							
6-8	Or-bwn micaceous Slt.							399							
8-10	Or-bwn mic. Slst.							400							
10-12	Or-bwn Siltst, 3% wh-gy qtz							401							
12-14	Grn-Gry mic. phyl. siltst, tr Py							402							
14-16	Lt. Gry Siltst. + fe-ox.							403							
16-18	Lt. Gry mic. Siltst, minor wh-gy qtz + Py							404							
18-20	Lt. Gy mic. Siltst, minor wh-gy qtz+Py							405							
20-22	Lt. Gry mic. phyl. Siltst, 5% wh-gy qtz, tr% Py, Aspy							406							
22-24	Lt. Gry Silicfd Siltst, 10% wh-gy qtz + 2% Py, Aspy 40% orge-clay (FAULT)							407							
24-26	Lt. Gry silicfd Siltst, 20% wh-gy qtz, 2% Py, Aspy							408							
26-28	Lt. Gry Silicf Siltst, 2% wh-gy qtz, 30% or-bwn (FAULT) clay							409							
28-30	Lt. Gy silicf Sltst, minor Py, 40% wh-gy qtz + minor chl							410							
30-32	Lt. Gy silicfd Sltst, minor wh-gy qtz + chl minor or-bwn clay							411							
32-34	Lt. Gy 30% Silicf Siltst. minor Py, minor wh-gy qtz + Py.							412							
34-36	Lt. Gry silicf siltst, minor Py, tr wh-gy qtz							413							
36-38	Lt. Gy partially silicfd 10% siltst +1% Py.							255414							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS8

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	WEATH. PART. W. FRESH	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
38-40	Lt. Gy Silicif Sltst, ½% Py							255416			
40-42	Lt Gy silicif Sltst, 0.5% Py; 8% wh-gy qtz							417			
42-44	Lt. Gy Silicif Sltst, 0.5% Py; 1% wh-gy qtz, minor chl							418			
44-46	Lt. Gy silicif Sltst. + Minor Py; 1% wh-gy qtz							419			
46-48	Lt. Gy Silicif Sltst + 5% wh-gy qtz + Minor Py							420			
48-50	Lt. Gy Silicif Sltst, +20% wh-gy qtz							255421			
	E.O.H.					DUPLICATE		255422			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 9
Location. Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth. 250°
Declination. 60°
T.D. 50m

Collected By St John Herbert
Date. 13.10.90
Co-ordinates. 10975N

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
0-2	Brn siltst 60% wh-gy qtz					PR		255456			
2-4	Lt. Gn-tan Siltst 5% wh sst + Py (1%); 5% wh-gy qtz + fe-ox					"		457			
4-6	Lt Gn-Gy, 5% Phyllitic mic siltst; 40% wh-gy qtz +k-fspr 5% Lt. Gn clayey Sst					do		458			
6-8	Lt Gn Gy mic. Phyllitic siltst; 15% wh-gy qtz 10% Lt Gn Siltst.							459			
8-10	Lt. tan Gy siltst, 60% wh-gy qtz 5% sfld Siltst							460			
10-12	Lt. Gn Gy Silicif Siltst, 10% wh-gy qtz minor chl, k-fspr							461			
12-14	Lt. Gy Sil.fld Siltst + kfspr 10%; wh-gy qtz 5% minor chl							462			
14-16	Pink-Gy, fe-ox Siltst; 20% wh-gy qtz + lim. Stain.							463			
16-18	Pink-brown heavily fe-ox Siltst, 70% wh-gy qtz + fe-ox + v. fine Py.							464			
18-20	Lt. Pink-bwn, 95% wh-gy qtz + Siltst minor chl Ser, Py							465			
20-22	Lt. Gy siltst, fe-ox, + minor Py, wh-gy qtz 1%							466			
22-24	Lt Gy Siltst + fe-ox, 5% wh-gy qtz + limonite Stain minor k-fspr, chl.							467			
24-26	Lt. Pink, Gy, fe-ox siltst, + wh-gy qtz 20% silicif'd Siltst, Sst 20%							468			
26-28	Lt. Gy strongly silicified Sltst, 10% wh-gy qtz silicified qtzite							469			
28-30	Lt. bwn Gy, Sil.fld Sst, 20% Sltst-fe-ox, 15% wh-gy qtz veins + minor k-fspr							470			
30-32	Lt Pink-brown siltst, fe-ox; wh-gy qtz 20% minor Py							471			
32-34	Dk Gy Silicif Sltst, 10% fe-ox siltst, minor wh-qtz + Py							472			
34-36	Dk Gy silicif Sltst, 15% wh-gy to bl-gy qtz minor Py							473			
36-38	DK BWN, fe-ox Sltst, fine Py 1%, wh-gy qtz 2%							255474			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 9

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	% SULPH 1 3 5 10	% QTZ VEIN 10 50 90	Weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)		As			
38 -40	Rd-brn Siltst, fe-ox ha, Py 2-3% V. fine minor Wh-gy qtz							255475							
40 -42	Lt. Cy silic'f Sltst minor Py, Wh-gy qtz V. 20% + minor chl							476							
42 -44	Lt. Cy Silic'f Sst, Wh-gy qtz 5%							477							
44 -46	Lt. Cy Silic'fd Sst, Wh-gy qtz 10% minor Py							478							
46 -48	Lt. Cy silic'fd Sst, +20% fe-ox Sst, minor Wh-gy qtz							479							
48 -50	Lt Cy Silic'f'd Sst.							255480							
	E.O.H.					DUPLICATE		255481							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 10
Location Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth 252°
Declination 60°
T.D. 62m

Collected By St John Herbert
Date 13.10.90
Co-ordinates 10975N 15025E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath	part.w	fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)		As			
0-2	DK. bwn, PAD SCREE, Silts, Sst, 10% wh-gy qtz + fe-ox									255423							
2-4	DK bwn, Sst, 50% wh-gy qtz, PAD SCREE									424							
4-6	Rd bwn Sst, 15% wh-gy qtz, tr mica									425							
6-8	Gn-Gy siltst, 60% wh-gy qtz									426							
8-10	DK. Gy siltst, 20% wh-gy qtz + minor chl									427							
10-12	Rd-Gy mic. siltst, 2% wh-gy qtz									428							
12-14	Pink-Gy mic siltst, 2% wh-gy qtz									429							
14-16	Pinky-orange siltst, +20% fe-ox, wh-gy qtz + 10% Lt. Gn Silcf Siltst.									430							
16-18	Creamy tan, 50% wh-qtz + mica, 5% Siltst 20% Peg'tite + K-fspr									431							
18-20	creamy tan, qtz, Kfspr mica, 1% Sltst. PEGMATITE 90%.									432							
20-22	creamy tan, wh-gy qtz & fe-ox 80%, Siltst 18% mica 2%									433							
22-24	V. Lt. Gy Pegmatite + 2% Sltst minor Lt. Gn CASS/Ser.									434							
24-26	Tan wh-gy qtz 60% + Kfspr + mica 10% m.sltst. some is PEGMATITE									435							
26-28	Lt. tan Gy, Silcf Sltst, minor qtz, 30% Sil Sst.									436							
28-30	Lt. tan Grey, Silcf Sst, 20% Sltst minor wh-gy qtz & fe-ox.									437							
30-32	Lt. Gy silicf Sst, 20% wh-gy qtz + tr chl + 1% Py									438							
32-34	Lt. Gy S'fid Sst, Sltst 20%, wh-gy qtz 15% Kfspr									439							
34-36	Lt. Gy silifd Sst. + Kfspr 4%, wh-gy qtz 5%									440							
36-38	Lt. Gy silifd Sst, 80% wh-gy qtz + 1% Py minor K-fspr, mica									255441							

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 10

Location.....

DRILL LOGS

R.C. DRILLING

Azimuth.....

Declination.....

T.D.....

Collected By.....

Date.....

Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	%QTZ VEIN 10 50 90	weath. part w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA
38-40	Lt. Gy Siltst, 5% wh-gy qtz + Py minor							255442	
40-42	Lt. Gy Siltst, 2% Sst, tr qtz + Py							443	
42-44	Lt Gy Siltst, + 1% Py minor qtz							444	
44-46	Lt. Gy mic. Sltst, 10% wh-gy qtz, minor Py							445	
46-48	Lt. Gy mic phyll SLTST minor SST minor or-brwn clays (FAULT)							446	
48-50	Lt. Gy phyllitic mic Siltst, minor qtz, tr Py							447	
50-52	Lt. Gy Phyllitic mic Sltst.							448	
52-54	Lt. Gy Phyllitic mic Sltst.							255449	
54-56	Lt. Gy Phyllitic Siltst, tr qtz							255451	
56-58	Lt. Gy phyllitic Sltst, 2% Py, 10% wh-gy qtz			V///				452	
58-60	Lt. Gy phyll. Sltst, minor Py, tr qtz							453	
60-62	Lt. Gy Phyll, Sltst, tr Py, tr Qtz							255454	
						DUPLICATE		255455.	

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 11
Location Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth 260°
Declination 60°
T.D. 69.5m

Collected By St John Herbert
Date 14.10.90
Co-ordinates 10870N 1505OE

	DESCRIPTION	ROCK TYPE	%SULPH 1 3.5 10	% QTZ VEIN 10 50 90	weath. part. w. fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA Au	Au(R)	As
0-2	Brn sst, minor qtz					PR.		255509			
2-4	Lt. brn mic sst, 5% wh-gy qtz, minor PY minor coarse mica:					dr.		510			
4-6	Lt tan Pegmatite, minor silt, Py							511			
6-8	Lt. tan Pegmatite.							512			
8-10	tan- brn Pegmatite							513			
10-12	Lt. brn sst, mic. 80% wh-gy qtz							514			
12-14	Lt Gn Gy sst, 15% wh-gy qtz, fe-ox stains.							515			
14-16	Dk brn, clayey sst, minor wh-gy qtz.							516			
16-18	Lt. Gn-Gy sst, 80% wh-gy qtz + 1% Tourmaline							517			
18-20	Lt. Gn- Gy mic. siltst, 80% wh-gy qtz, fe- ox							518			
20-22	Lt. Gy sst, 2% wh-gy qtz							519			
22-24	Lt. tan Slicf sst, 1% wh-gy qtz							520			
24-26	Lt. tan brn sst, 20% Siltst, 5% wh-gy qtz							521			
26-28	Lt. Gy Silicf sltst, 60% wh-gy qtz & fe-ox minor PY.							522			
28-30	Lt. Gy Silicf sltst, 15% wh-gy qtz, minor chl.							523			
30-32	Lt. Gy siltst, 5% wh-gy qtz, 1% Py							524			
32-34	Lt. Gy silicf. sltst, 80% wh-gy qtz minor chl.							525			
34-36	Lt. Gy Silicf Siltst, 70% wh-gy qtz + minor k-fspr							526			
36-38	Lt. Gy Siltst. 70% wh-gy qtz minor chl.							255527			

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 11 | DRILL LOGS | Azimuth..... | Collected By.....

Location..... | R.C. DRILLING | Declination..... | Date.....

T.D..... | Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH ! 3 5 10	% QTZ VEIN 10 50 90	weath part w fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA
38-40	Lt. Gy Silicif Sltst, 2% Py, minor Kfsp							255~~528~~ 528	
40-42	Lt Gy Silicif Sltst, 30% wh-gy qtz, 1% Py							529	
42-44	Lt Gy Silicif Sltst, 20% wh-gy qtz, 3% Py							530	
44-46	Lt. Gry Silicif Sltst, 1% wh-gy qtz, minor Py, Kfsp in Siltst							531	
46-48	Lt. Gy Phyll. mic Siltst.							532	
48-50	Lt-Gy mic Phyllitic Sltst.							533	
50-52	Lt. Gy Phyll. Sltst.							534	
52-54	Lt. Gy mic Phyll. Siltst, 1% wh-gy qtz							535	
54-56	Lt. Gy mic phyll. Siltst, minor py							536	
56-58	Lt. Gy Phyll. Sltst, tr qtz							537	
58-60	Lt. Gy phyll. Sltst.							538	
60-62	Lt. Gy phyll. Sltst.							539	
62-64	Lt. Gy phyll. Sltst, minor qtz+py							540	
64-66	Lt. Gy phyll. Sltst, minor qtz + py							541	
66-68	Lt Gy Siltst.							542	
~~68-69~~ 68-69.5m	Lt. Gy Siltst.							255543	
	EOH.							255544	

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS 12
Location. Mt. Shoobridge

DRILL LOGS
R.C. DRILLING

Azimuth 250°
Declination -60°
T.D. 50m

Collected By St John HERBERT
Date 14.10.90
Co-ordinates 10870N 15025E

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	weath. part. w.	fresh	INTERVAL From	To	SAMPLE No.	ASSAY DATA
0-2	Brn Sst, Wh-gy qtz, minor mica 5%						PR.		255482	
2-4	Brn Sst, 10% Sltst, 2% Wh-gy qtz, minor mica						do		483	
4-6	Lt Gy mic. phyll. Sltst, 10% wh-gy qtz								484	
6-8	Lt. Gn-Gy mic phyll. Sltst.								485	
8-10	Lt. Gn-Gy mic. phyll Sltst, 5% wh-gy qtz 1% Py, 1ml								486	
10-12	Lt. Gn-Gy mic Phyll Sltst, minor wh-gy qtz								487	
12-14	Lt. Gn-Gy mic phyll. Sltst, minor Sst, wh-gy qtz, mica								488	
14-16	Lt. Gn-Gy mic. phyll Sltst, 60% wh-gy qtz								489	
16-18	Lt. Gy mic phyll. Sltst								490	
18-20	Lt. Gy Slicfid. Sltst. 20% Sst, clay minor mica								491	
20-22	Lt tan brn mica, Sltst.								492	
22-24	Lt. Gy Slfid Sltst, 5% mic Sst								493	
24-26	Lt. Gy Sltst, minor qtz								494	
26-28	Lt. Gn-Gy Silicf Sltst, minor phyll Sltst, minor fe-ox.								495	
28-30	Lt. Gy phyll. mic Sltst.								496	
30-32	Lt. Gy mic Siltst, tr qtz minor fe-ox.								497	
32-34	Lt. Gy mic Sltst								498	
34-36	Lt. Gy mic Sltst, minor Py, minor qtz								499	
36-38.	Lt. Gy mic Sltst, minor Py.								255500	

GOLD FIELDS EXPLORATION PTY. LTD.

Hole No. MS12 | DRILL LOGS | Azimuth..... | Collected By.....

Location..... | R.C. DRILLING | Declination..... | Date.....

T.D..... | Co-ordinates.....

	DESCRIPTION	ROCK TYPE	%SULPH 1 3 5 10	% QTZ VEIN 10 50 90	width	part. w.	fresh	INTERVAL From	INTERVAL To	SAMPLE No.	ASSAY DATA
38 -40	Lt. Gy mic. Sltst, Pegmatite 10%									255502	
40 -42	Lt. Gy silicif'd Sltst, 5% Pegmatite									503	
42 -44	Dk Gy Silicif Sltst & mica, 2% Sericitic Vein mica or v.f. Py.									504	
44 -46	Lt. Gy Silicif Sltst, 30% Pink qtz (Silic'fd k-fspr) minor Py									505	
46 -48	Lt. Gy Sltst									506	
48 -50	Lt. Gy Sltst, Tr qtz.									255507	
								DUPLICATE		255508	

APPENDIX

RC DRILL HOLE
INTERSECTIONS
ASSAYING MORE THAN 0.5G/T

MOUNT SHOOBRIDGE

RGC EXPLORATION R.C. DRILL HOLE INTERSECTIONS ASSAYING MORE THAN 0.5 G/T

Drill Hole	Depth (m)	Dip	Intersection	Grade
MS2	60	60° W	20-28m	8m @ 1.01g/t
			40-42m	2m @ 0.53g/t
MS3	60	60° W	10-14m	4m @ 5.25g/t
			38-46m	8m @ 0.64g/t
MS5	50	60° E	16-18m	2m @ 1.13g/t
			44-50m EOH	6m @ 3.27g/t
MS6	60	60° W	4-6m	2m @ 0.56g/t
			12-14m	2m @ 1.32g/t
			18-20m	2m @ 1.04g/t
MS7	40	60° W	6-10m	4m @ 1.09g/t
			14-16m	2m @ 0.77g/t
			22-30m	8m @ 1.13g/t
MS10	62	60° W	6-10m	4m @ 0.82g/t
			20-26m	6m @ 0.77g/t
			32-40m	8m @ 0.79g/t
			54-58m	4m @ 1.63g/t
MS11	69.5	60° W	8-16m	8m @ 0.71g/t
			22-28m	6m @ 1.71g/t
			38-44m	6m @ 0.74g/t
			50-52m	2m @ 1.82g/t
			62-66m	4m @ 0.62g/t
MS12	50	60° W	0-10m	10m @ 0.79g/t
MS13	40	Vertical	39-40m EOH	1m @ 1.20g/t
MS15	70	60° W	8-9m	1m @ 1.44g/t
MS17	48	50° E	0-2m	2m @ 0.56g/t
			20-26m	6m @ 0.55g/t
MS18	40	50° E	8-12m	4m @ 1.47g/t
			16-18m	2m @ 0.90g/t
MS20	48	60° W	32-34m	2m @ 0.62g/t
MS21	48	60° E	34-36m	2m @ 0.55g/t
MS22	70	60° W	12-16m	4m @ 0.63g/t
			36-40m	4m @ 1.65g/t

MT SHOOBRIDGE St.J.H. 14.3.90

BHP R.C.

DRILL HOLE INTERSECTIONS ASSAYING MORE THAN 0.5 G/T

DRILL HOLE	DEPTH (m)	DIP (Degrees)	INTERSECTION	GRADE
MSDDH 1	72.70	60W	14-16m	2m @ 1.10g/t
			32-36m	4m @ 2.50g/t
MSDDH 2	69.50	60W	16-24m	8m @ 0.84g/t
			40-42m	2m @ 3.80g/t
			46-48m	2m @ 0.74g/t
MSDDH 3	70.00	60W	54-56m	2m @ 0.48g/t
			62-64m	2m @ 0.60g/t
MSRC 1	50	65W	10-12m	2m @ 0.75g/t
			14-16m	2m @ 3.90g/t
			20-24m	4m @ 0.55g/t
			28-30m	2m @ 1.70g/t
			36-38m	2m @ 0.54g/t
			40-42m	2m @ 0.74g/t
MSRC 2	50	65W	22-44m	22m @ 1.32g/t
MSRC 3	50	60W	0-2 m	2m @ 1.45g/t
			or 0-8 m	or 8m @ 0.95g/t
MSRC 4	50	60W	8-10m	2m @ 0.80g/t
			22-24m	2m @ 1.40g/t
MSRC 5	70	60W	34-38m	4m @ 1.83g/t
			48-54m	6m @ 3.88g/t
MSRC 6	70	60W	0-6 m	6m @ 1.36g/t
			26-36m	10m @ 1.57g/t
			46-48m	2m @ 1.20g/t
MSRC 7	70	60W	14-20m	6m @ 4.63g/t
			24-28m	4m @ 3.83g/t
			52-56m	2m @ 3.40g/t
			62-70m	8m @ 2.11g/t
MSRC 8	70	60W	40-42m	2m @ 0.58g/t
			44-48m	4m @ 0.61g/t
			50-58m	8m @ 0.81g/t
MSRC 9	70	60W	24-26m	2m @ 0.56g/t
			44-46m	2m @ 0.60g/t
MSRC 10	70	60W	6-10m	4m @ 0.90g/t
			16-18m	2m @ 0.82g/t
			26-34m	8m @ 0.85g/t
			56-58m	2m @ 0.70g/t
MSRC 11	71	62W	10-12m	2m @ 0.74g/t
			40-42m	2m @ 0.78g/t
			54-68m	14m @ 1.21g/t

MT SHOOBRIDGE St.J.H. 14.3.90

BHP R.C.

DRILL HOLE INTERSECTIONS ASSAYING MORE THAN 0.5G/T

DRILL HOLE	DEPTH (m)	DIP (Degrees)	INTERSECTION	GRADE
MSPDH 2	50	60W	16-20m	4m @ 1.79g/t
			22-26m	4m @ 0.93g/t
			48-50m	2m @ 0.78g/t
MSPDH 3	50	60W	0-2 m	2m @ 0.68g/t
			14-18m	4m @ 1.55g/t
			26-28m	2m @ 1.29g/t
MSPDH 4	50	60W	20-22m	2m @ 0.89g/t
			28-42m	14m @ 1.09g/t
			46-48m	2m @ 0.74g/t
MSPDH 5	50	60W	0-2 m	2m @ 1.50g/t
			8-10m	2m @ 1.85g/t
MSPDH 6	50	60W	2-4 m	2m @ 0.53g/t
			12-14m	2m @ 1.23g/t
			26-28m	2m @ 0.65g/t
			30-32m	2m @ 0.84g/t
			48-50m	2m @ 6.10g/t
MSPDH 7	50	60W	0-2 m	2m @ 0.51g/t
MSPDH 8	50	60W	32-42m	10m @ 7.45g/t
			46-48m	2m @ 1.20g/t
MSPDH 9	50	60W	26-50m	24m @ 0.94g/t
MSPDH 10	50	60W	2-4 m	2m @ 2.97g/t
			12-18m	6m @ 1.41g/t
			36-50m	14m @ 1.28g/t
MSPDH 10B	50	60W	14-16m	2m @ 1.28g/t
MSPDH 12	50	Vert.	42-46m	4m @ 0.71g/t
			48-50m	2m @ 0.95g/t
MSPDH 13	50	60W	12-14m	2m @ 0.73g/t
			28-30m	2m @ 1.05g/t
			32-38m	6m @ 0.60g/t
MSPDH 15	50	60W	4-6 m	2m @ 0.78g/t
			28-30m	2m @ 3.40g/t
MSPDH 16	50	60W	6-8m	2m @ 1.38g/t
			42-44m	2m @ 1.45g/t
MSPDH 17	38	70W	18-22m	4m @ 2.45g/t
			30-32m	2m @ 0.60g/t
MSPDH 18	50	65W	0-4 m	4m @ 0.75g/t
			8-10m	2m @ 2.17g/t
MSPDH 19	50	64.5W	2-4 m	2m @ 0.65g/t
			42-50m	8m @ 1.51g/t
MSPDH 20	50	Vert.	48-50m	2m @ 0.68g/t

MT SHOOBRIDGE St.J.H. 14.3.90

BHP R.C.

DRILL HOLE INTERSECTIONS ASSAYING MORE THAN 0.5G/T

DRILL HOLE	DEPTH (m)	DIP (Degrees)	INTERSECTION	GRADE
MSPDH 21	50	68W	2-4 m	2m @ 1.52g/t
			8-10m	2m @ 0.60g/t
			16-22m	6m @ 1.08g/t
			26-28m	2m @ 1.28g/t
MSPDH 22	50	59W	26-28m	2m @ 0.79g/t
MSPDH 24	50	64W	8-10m	2m @ 0.58g/t
			40-42m	2m @ 0.96g/t
			48-50m	2m @ 0.51g/t
MSPDH 25	50	60W	2-6 m	4m @ 1.90g/t
			28-30m	2m @ 0.57g/t
			32-40m	8m @ 0.86g/t
			42-44m	2m @ 1.16g/t
			46-50m	4m @ 0.58g/t
MSPDH 28	34	64W	24-28m	4m @ 1.26g/t
			30-32m	2m @ 1.75g/t
MSPDH 29	50	60W	0-2 m	2m @ 0.84g/t
MSPDH 30	50	60W	12-14m	2m @ 1.62g/t

Symbol	Legend
	Geological boundary, accurate
	Geological boundary, inferred
	White grey quartz veins (>50cm)
	Blue grey quartz vein (>50cm)
	Quartz vein (<50cm)
P	Pegmatite (>50cm)
P	Pegmatite (<50cm)
20	Plunge of anticline
	S fold, Z fold
50	Dip and strike of quartz vein
50, 85	Dip and strike of bedding, inclined, vertical, inverted
	Dip and strike of low angle contorted bedding
	Cleavage
	Costean
g	Gossan
T	Tourmaline

Symbol	Hole type	Company
○ 9	Percussion hole	BHP
○ RC9	R.C. hole	BHP
○ DDH1	Diamond hole	BHP
○ MS1	R.C. hole	RGC
• SR3	RAB hole	RGC

BURRELL CREEK

Age	Code	Unit
EARLY PROTEROZOIC	Ss	Sandstone
	MSlst	Micaceous siltstone
	Qsm	Quartz stockworked micaceous siltstone

SHEET INDEX

1		
2	3	
	4	

RGC EXPLORATION PTY LIMITED

Compiled	StJSGH
Drawn	BJY
Date	FEB91
Checked	
1:250000 Reference	Pine Creek SD52-8

MT SHOOBRIDGE PROJECT

ERL 88

GEOLOGY

SHEET 1

Figure 6

PLAN NO MTS/2005 SCALE 1 2500 (0 25 75 125m) NT/91/3

Geological boundary, accurate
Geological boundary, inferred
White grey quartz veins (>50cm)
Blue grey quartz vein (>50cm)
Quartz vein (<50cm)
Pegmatite (>50cm)
Pegmatite (<50cm)

Plunge of anticline
S fold, Z fold
Dip and strike of quartz vein
Dip and strike of bedding, inclined, vertical, inverted
Dip and strike of low angle contorted bedding
Cleavage
Costean
Gossan
Tourmaline

P9	Percussion hole	BHP
RC9	R.C. hole	BHP
DDH1	Diamond hole	BHP
MS1	R.C. hole	RGC
SR5	RAB hole	RGC

EARLY PROTEROZOIC — BURRELL CREEK

Ss	Sandstone
MSlst	Micaceous siltstone
Qsm	Quartz stockworked micaceous siltstone

SHEET INDEX

	131°17′	131°18′	131°19′
13°31′–13°32′	1		
13°32′–13°33′	2	3	
13°33′–13°34′		4	

RGC EXPLORATION PTY LIMITED

Compiled	StJSGH	MT SHOOBRIDGE PROJECT
Drawn	GJ	ERL 88
Date	FEB91	GEOLOGY
Checked		SHEET 2
1:250000 Reference	Pine Creek SD52-8	Figure 7

PLAN NO MTS/2006 | SCALE 1 : 2500 (0, 25, 75, 125m) | NT/91/3