

OPEN FILERGC EXPLORATION PTY. LIMITED
(on behalf of Renison Ltd)**MICROFILMED**
FICHE No. 013594-00EXPLORATION LICENCE NO.'S
102/87, 55/89 & 12/92("Queenstown", "Mt Darwin" &
"Queenstown South")

West Sedgwick & Garfield/Clark Valley

Annual Report April 1994- March 1995

Volume 1 of 2. Text and Appendices.

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Distribution:

- Mineral Resources Tasmania
- BHP Minerals Ltd - Brisbane
- RGC Exploration - Perth
- RGC Exploration - Zeehan

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CONTENTS

	Page No.
SUMMARY	iv
1. INTRODUCTION	1
2. LAND TENURE	3
3. WORK COMPLETED	5
3.1 Garfield Prospect	5
3.2 Penghana Prospect	6
3.3 West Sedgwick	7
3.4 Moxon Saddle	7
3.5 Beatrice	7
4. RESULTS AND DISCUSSION	8
4.1 Garfield Prospect	8
4.2 Penghana Prospect	12
4.3 West Sedgwick	16
4.4 Moxon Saddle	16
4.5 Beatrice	17
5. PROPOSED WORK	17
5.1 Garfield	17
5.2 Penghana	18

5.3 Other Areas	18
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LIST OF PLANS & FIGURES

		Drg.No.	Scale
FIGURE 1	E.L.'s 102/87, 55/89 and 12/92 - Locality Map	5532/147	1:250,000 /
PLAN 1	Garfield Geological Interpretation	5532/162	1:2,500 /
PLAN 2	Drillhole Geology Interpretation GAR002	5532/186	1:1,000 /
PLAN 3	Drillhole Geology Interpretation GAR003	5532/194	1:1,000 /
PLAN 4	Drillhole Geology Interpretation GAR004	5532/195	1:1,000 /
PLAN 5	Drillhole Geology Interpretation GAR005	5532/196	1:1,000 /
PLAN 6	Drillhole Geology Interpretation GAR006	5532/197	1:1,000 /
PLAN 7	Drillhole Geology Interpretation WS008	5532/198	1:1,000 /

PLAN 8	Penghana Prospect Outcrop Map Sheet 11A	5532/190	1:1,000 ✓
PLAN 9	Penghana Prospect Outcrop Map Sheet 11B	5532/191	1:1,000 ✓
PLAN 10	Penghana Prospect Geological Interpretation	5532/192	1:2,500 ✓
PLAN 11	Penghana Prospect Stacked Profiles of Total Magnetic Intensity	5532/175	1:2,500 /
PLAN 12	Penghana Prospect Contours of Total Magnetic Intensity	5532/176	1:2,500 ✓

LIST OF APPENDICES

APPENDIX 1	Drill log and assays, GAR002, GAR003, GAR004, GAR005, GAR006, WS008
APPENDIX 2	Soil geochemistry results, Garfield Prospect
APPENDIX 3	Soil geochemistry results, Penghana Prospect
APPENDIX 4	Geology of the Moxon Saddle Prospect, Western Tasmania by David Boyd
APPENDIX 5	A review of Exploration at the Beatrice Prospect, Western Tasmania by David Boyd

SUMMARY

Exploration Licences 102/87 Queenstown, 55/89 Mt Darwin and 12/92 South Queenstown cover a 30km N-S trending exposure of Cambrian Mt Read Volcanics from Lake Margaret to Mount Darwin. E.L.'s 102/87 and 55/89 are held by BHP Minerals Ltd and explored by RGC Exploration under a joint venture agreement entered into on 29th November, 1991. RGC acquired an adjoining area as E.L. 12/92 on 12th October 1992, and this was also included in the joint venture. The total area covered by these licences was reduced from 249 sq km to 130 sq kms in March 1994 as part of a compulsory relinquishment.

During 1994/95, most of the exploration carried out was at the Garfield Cu-Au Prospect. Five diamond drillholes were completed at Garfield, with two of these intersecting significant mineralization. A mineralized zone with approximate surface dimensions of 400m by 100m has been defined. Potential exists to find additional mineralized zones beyond this one.

Another diamond drillhole was completed at the West Sedgwick prospect to follow-up on the intersection of a silica, sericite, pyrite alteration zone in WS007. The results of WS008 were disappointing and no further work is planned in the West Sedgwick area.

The Penghana Project is an andesite body near Queenstown with similar whole rock geochemistry to the Garfield andesite and with a magnetic anomaly similar to the Garfield mineralization. The overlying sequence contains large barite veins at the Madam Howards Prospect. The Penghana area has been covered by a 100m spaced grid

and has been mapped at 1:1000 scale, soil sampled and surveyed with ground magnetics.

A brief review of previous exploration at the Beatrice Prospect, on the southern side of Mount Sedgwick, was completed. This area was remapped at 1:2500 and a drillhole was proposed to test for a possible extension of the mineralized zone to the south. The Moxon Saddle area was also reviewed and remapped, and a hole was planned here to test an IP anomaly adjacent to the Henty Fault.

During February 1995 a detailed Helimag survey was flown over all of RGC's tenements south of Henty. This survey employed a stinger-mounted sensor, rather than a towed bird, and with real-time corrected differential GPS navigation accurate to +/- 2m, this survey will most likely be the best magnetic data available for the next ten to twenty years. At the time of writing, processing of the data had not been completed and the results were not available for inclusion in this report.

1. INTRODUCTION

Exploration Licences 102/87 - Queenstown and 55/89 Mt Darwin are held by BHP Minerals Ltd. (BHPM) and an adjoining licence, E.L. 12/92 is held by RGC. These licences are explored by RGC Exploration Ltd under the terms and conditions of a joint venture agreement. Approval was granted allowing the joint reporting of the exploration work because the tenements form a single coherent geological block.

The tenements currently occupy a total area of 130 sq kms surrounding Queenstown extending to the north, in part, some 30 kms to Moxon Saddle and to the south some 20 kms to Slate Spur (Figure 1). They cover a significant portion of the Cambrian Mount Read Volcanics. These rocks host a variety of significant mineral occurrences.

- (i) Zinc - volcanic-hosted massive sulphide deposits, eg. Hellyer, Que River, Rosebery, Hercules and Tasman Crown
- (ii) Copper - Mt Lyell style mineralisation
- (iii) Gold - Henty style mineralisation.

Much of the previous work in this area targeted copper-gold mineralisation of the Mt Lyell style. More recently BHPM covered selected areas with blanket UTEM looking for VMS mineralisation. This was supported by some geological mapping and rock chip/stream sediment geochemistry.

RGC is also exploring these EL's for Rosebery-style VMS mineralisation. The exploration approach which has been applied

involves detailed geological mapping in an attempt to identify Cambrian growth faults, possible mineralised horizons and alteration zones. This mapping is supported by multi-element soil and rock geochemistry. Any alteration zones thus identified can be tested by deep drilling and down-hole geophysics.

2. LAND TENURE

E.L. 102/87 - **Queenstown** was granted to BHPM on 22nd April, 1988. The tenement initially covered 95 sq kms in three separate parts (Figure 1)

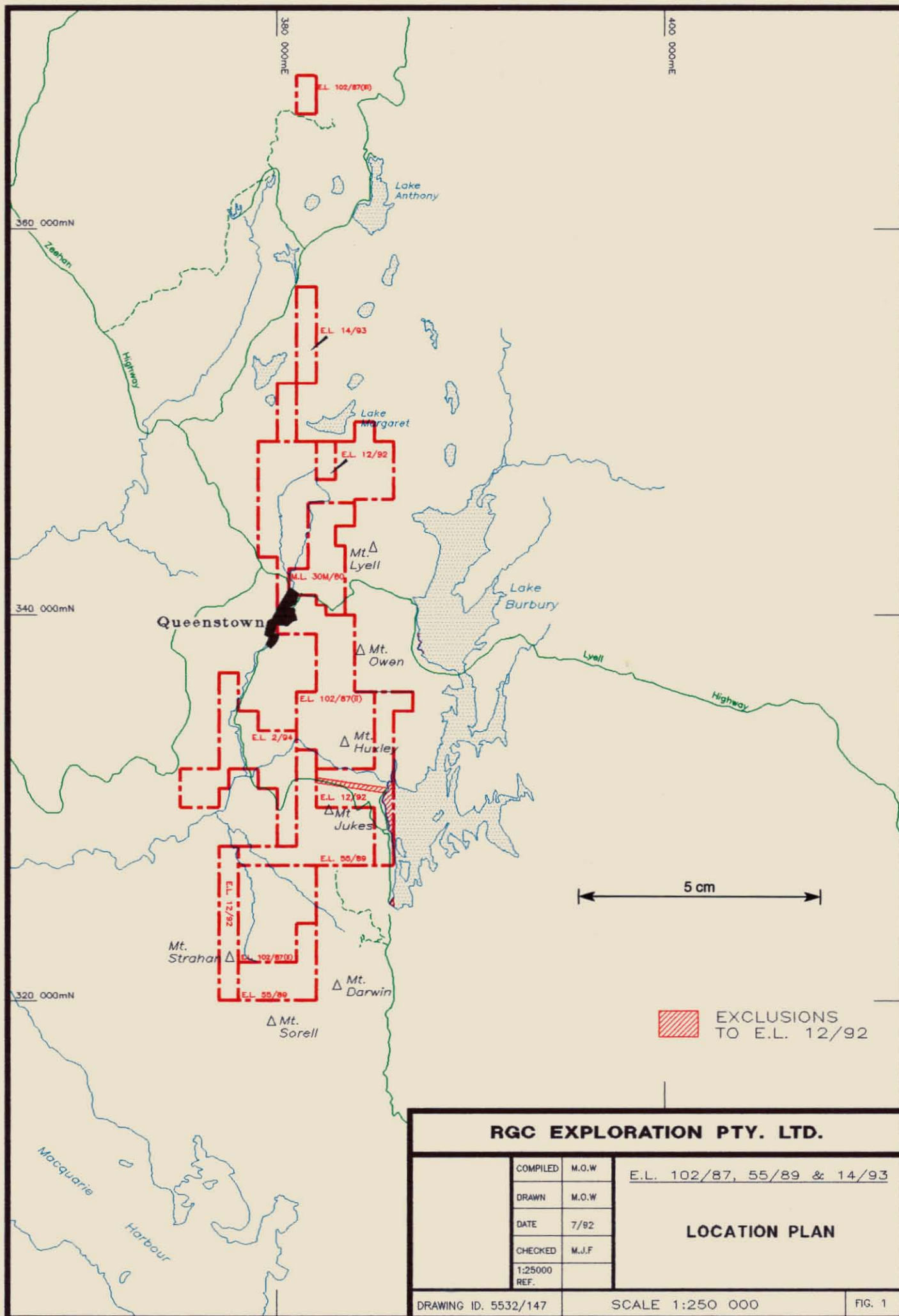
Part (i) - Queenstown of 74 sq kms


Part (ii) - Garfield of 19 sq kms

Part (iii) - Moxon Saddle of 2 sq kms

Part (i) totally enclosed the Mt Lyell Mine Lease, 30M/80. In 1988 Mining Lease Application areas (MLA's) were cancelled by Mt Lyell increasing the area of Part (i) to 79 sq kms. Again in early 1992 additional MLA's were relinquished further increasing Part (i) to 84 sq kms. This tenement covered 105 sq kms and was due for 50% reduction on or before 22nd April, 1993. A meeting with representatives of the Department of Mines Tasmania (DMT) was held on 15th April, 1992 where RGCE expressed its interest in postponing the reduction date by 12 months due to its recent entry into the Agreement with BHPM.

E.L. 55/89 - **Mt Darwin** was granted to BHPM on 5th May, 1990. This tenement covered 78 sq kms and links Parts (i) and (ii) of E.L. 102/87 (Figure 1) resulting in a continuous exposure of Mt Read Volcanics over a strike length of 40 kms which is explored as a single coherent block. Because of this BHPM was successful in gaining approval from the DMT to jointly report on exploration activities (15th March, 1991).



 EXCLUSIONS TO E.L. 12/92

RGC EXPLORATION PTY. LTD.

COMPILED	M.O.W	E.L. 102/87, 55/89 & 14/93
DRAWN	M.O.W	
DATE	7/92	
CHECKED	M.J.F	
1:25000 REF.		
LOCATION PLAN		

DRAWING ID. 5532/147

SCALE 1:250 000

FIG. 1

E.L. 12/92 - **South Queenstown** was granted to RGC on 12th October 1992. This tenement forms a narrow strip partly enclosing the other E.L.'s. It was divided into 3 parts:

- Part (i) - 49 sq kms on the eastern side of the West Coast Range
- Part (ii) - 15 sq kms over Mt Sorell and Mt Strahan
- Part (iii) - 2 sq kms south of Lake Margaret.

A significant portion of E.L.'s 102/87 and 55/89 was within the South-West Conservation Area (SWCA) and considered to be environmentally sensitive. Despite the revocation of Conservation Area status in areas north of Macquarie Harbour exploration activities in the Garfield/Clark Valley are still subject to approval from the Mineral Exploration Working Group.

In March 1994 as a result of a compulsory partial relinquishment the total area covered by the three E.L.'s was reduced to 130 sq kms. This is made up of:

- | | | | |
|-------------|------------|--------------------|-----------|
| E.L. 102/87 | Part (i) | Queenstown - | 56 sq kms |
| | Part (ii) | Garfield - | 18 sq kms |
| | Part (iii) | Moxon Saddle - | 2 sq kms |
| E.L. 55/89 | Part (i) | Mt Darwin - | 28 sq kms |
| E.L. 12/92 | Part (i) | West Coast Range - | 16 sq kms |
| | Part (ii) | Mount Sorell - | 8 sq kms |
| | Part (iii) | Lake Margaret - | 2 sq kms |

3. WORK COMPLETED

3.1 Garfield

Diamond Drilling Tas were contracted to drill GAR002 in March 1994 and to drill 4 more holes during the 1994/95 summer. All of the drilling was helicopter supported. A Longyear 38 rig was flown in from near the surge pond on Mount Jukes. All core samples were analysed for Cu, Pb, Zn and Ag by AAS at Analabs in Cooee, and were also assayed for Au by fire assay. Details of the holes are given in table 1.

Table 1

HOLE	GAR002	GAR003	GAR004	GAR005	GAR006
DRILLED	DIAMOND	DIAMOND	DIAMOND	DIAMOND	DIAMOND
BY:	DRILLING	DRILLING	DRILLING	DRILLING	DRILLING
	TAS	TAS	TAS	TAS	TAS
START	16/3/94	17/11/94	29/11/94	11/1/95	26/1/95
FINISH	9/4/94	27/11/94	17/12/94	25/1/95	9/2/95
TRICONE TO	3M	1M	1.6M	2M	2M
HQ TO:	35.5M	80.9M	89.5M	83.8M	77.8M
NQTO:	334.5M	250.3M	264.9M	235.2M	259.2M
SAMPLED	154 TO 264M	77 TO 184M	157 TO 165M	180 TO 200M	44 TO 50M
FROM - TO			173 TO 183M		176 TO 193M
			207 TO 214M		
ASSAYED	Cu, Pb, Zn, Ag	Cu, Pb, Zn, Ag	Cu, Pb, Zn, Ag	Cu, Pb, Zn, Ag	Cu, Pb, Zn, Ag
FOR:	Au	Au	Au, Mn, Ba	Au, Mn, Ba	Au

The sequence of rocks overlying the copper prospect at Garfield was remapped at 1:2500. This included an area along the Garfield River and up the side of the ridge north of Mount Sorell. Previous soil

sampling in this area was at 50m intervals on 400m spaced lines. The soil sampling was infilled to 25m interval on 200m spaced lines, particularly near the Yolande River Sequence - Tyndall Group contact. The purpose of this work was to investigate a possible exhalite horizon in the sequence above the Garfield Prospect.

3.2 Penghana Prospect

Following the discovery of the mineralization at Garfield some common features of mineralized systems south of Henty were recognised. Most of the Cambrian alteration systems in this area can be related to andesitic to basaltic volcanics belonging to the "suite 2" of Crawford et al., (1992). The alteration at Garfield also included a magnetite-rich zone similar to Prince Lyell. As a result of these observations, the open file aero-magnetic data was overlaid on the regional geology to see if any other "suite 2" andesites had a magnetic signature similar to the Garfield andesite. The most obvious area was the "Horse Paddock Andesite" at Penghana Hill near the Lake Margaret turnoff. Furthermore, this andesite occurs in the stratigraphic footwall of the Madam Howards Barite prospect and a hydrothermal system related to the andesite might provide an explanation to these enigmatic veins.

The original West Sedgwick grid had a line spacing of 200m. Infill lines were cut over the Penghana area to close the line spacing to 100m. Ten km of new lines were cut. The grid was soil sampled at a 25m spacing. Two hundred and seventeen soil samples were collected. they were assayed for Cu, Pb, Zn, and Au.

The Penghana Grid was surveyed with ground magnetics. Readings were taken on every line at 5m intervals. The data was processed

by RGC geophysicist Sam Roberts in Perth, and presented as a contour plan and a series of stacked profiles. The grid was mapped at 1:1000 scale and compiled as a 1:2500 interpretation.

3.3 WEST SEDGWICK

Drillhole WS008 was drilled from the same site as WS007. It was designed to ^{test} the the bedded pyrite unit and pyritic alteration zone intersected in drillhole WS007. The alteration appeared to die out to the south, and to the north was probably terminated against an interpreted E-W growth fault. Therefore it was decided to follow-up WS007 with a hole through the same sequence, 200m down-dip.

The hole was drilled with a Longyear 44 rig which was flown in by helicopter from the old West Lyell workshop area on the Mount Lyell Mine Lease. The drillers walked in and out each day from the Lake Margaret Road. The hole was commenced on 1/6/1994 and finished on 19/8/1994. It was drilled in HQ to 92.5m and to 652.1 in NQ. Thirty-eight half core samples were assayed for Cu, Pb, Zn, Ag and Au.

3.4 MOXON SADDLE

Previous exploration in the Moxon Saddle area was reviewed by Graduate Geologist, David Boyd. In particular, David looked at a chargeability anomaly along the Henty Fault that was detected in an IP survey by BHP. Soil sampling was conducted in a restricted area over the anomaly. The Moxon Saddle area was remapped at 1:2500 scale and drillhole HFZ 1, which was drilled beneath an old pit in pyrite-chalcopyrite mineralization, was reassayed for gold.

3.5 BEATRICE

The Beatrice area was also reviewed by David Boyd. His work in this area included 1:5000 mapping, relogging drillholes MS1 to MS5, a compilation of the past exploration and some stable isotope analyses.

4. RESULTS AND DISCUSSION

4.1 Garfield

Garfield Geology

The Garfield prospect occurs in an andesite unit within the Yolande River sequence. It is a hornblende-phyric andesite texturally and compositionally similar to the Crown Hill and Anthony Road andesites. The andesite is conformable with the stratigraphy and may be either a lava or a sill. Its sharp contacts with the enclosing rocks would favour an intrusive origin. The southern end of the andesite is offset to the west by a SW-NE trending fault.

The andesite sits within a package of rhyolitic volcanics. The rhyolites are all pervasively sericitised and strongly foliated, making it difficult to recognise the volcanic facies. It appears to be a lava dominated sequence. The most abundant rock type contains about 10% quartz phenocrysts up to 4mm uniformly distributed through a fine grained sericitic groundmass. In places, it contains irregular domains of stronger sericitic alteration that give the rock a vague clastic appearance. The uniform fine grained groundmass and the phenocryst distribution suggests that this is a lava. The apparent clastic texture is probably a result of heterogeneous alteration of an autobreccia or hyaloclastite. However, there are parts of the rhyolite sequence that are clearly volcanic sandstones, grading into siltstones.

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806016

DRILL HOLE No GAR002 Summary

SHEET 1 OF 2

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :	Tax Base Metals
PROSPECT :	GARFIELD
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.		ROCK	ALTERATION
0								0-3.0m Tricone		
3.0								3.0-15.9 massive feldspar-phyric dacitic lava	LDF	
15.9								15.9-23.6 andesite with feldspar phenocrysts + chloritized ferro-mags	LAF	
23.6								23.6-69.5 feldspar-phyric dacitic lava	LDF	
69.5								69.5-80.6 sandy felsic volcanoclastic rhyolite clasts near base	MFA	
80.6								80.6-84.25 rhyolite	LRQ	
84.25								84.25-86.7 andesitic volcanoclastic	VA	
86.7								86.7-119.5 andesite lava feldspar-phyric chloritized ferro-mags	LAF	
119.5								119.5-121.6 Rhyolite lava	LRQ	
121.6								121.6-124.6 Andesite lava	LAF	
124.6								124.6-131.35 Rhyolite lava	LRQ	
131.35								131.35-135.65 Andesite lava	LAF	
135.65								135.65-141.9 Rhyolite lava, fragmental texture	LRQ	
141.9								141.9-144.05 andesite	LAF	
144.05								144.05-148.1 rhyolite	LRQ	
148.1								148.1-152.2 andesite	LAF	
152.2								152.2-157 rhyolite	LRQ	
157.0								157.0-277.5 andesitic lava	LAF	

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR002
 SHEET 2 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT : <u>TAS BASE METALS</u>
PROSPECT : <u>GARFIELD</u>
DATE : _____
LOGGED BY : _____

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG					ALTERATION			GEOLOGY NOTES	SUMMARY		
				1	1	1	1	2	SIL	SER.	PK.		ROCK	ALTERATION	
210				^											
220				^											
230				^											
240				^											
250				^											
260				^											
270				^											
278				▨									277.8-279.3 Rhyolite lava		
279				^									279.3-300.4 Andesite lava		
290				^											
300				▨											
300.4				▨									300.4-303.8 Rhyolite lava very coarse quartz phenocrysts		
303.8				^									303.8-334.5 Crystal rich andesite with Feldspar & Ferro-mag phenocrysts		
310				^											
320				^											
330				^											
340															












REMARKS

806017

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DRILL HOLE No GAR 003 summary

SHEET 1 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  * Visible gold

PROJECT :
PROSPECT : <u>GARFIELD</u>
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY	
							ROCK	ALTERATION
10						0-2 tricone		
20						2-33.5 very fine grained homogeneous lava, with sparse feldspar phenocrysts to 1mm		LDF
30								
40						33.5-54.0 quartz-feldspar phyric volcaniclastic with sparse coarse lithics to 5cm		VRM
50								
60						54.0-79.2 andesite		LAF
70								
80						79.2-92.1		VRM
90						92.1-106.0 fine flecked phenocryst rich andesite		LAF
100								
110						106.0-125.3 mineralised polymict breccia		VRQC
120								
130						125.3-180.0 feldspar phyric andesite		
140								
150								
160								LAF
170								
180								
190						180.0-195.7 volcaniclastic with coarse quartz phenocrysts		VRQC
200						195.7-200.3 andesite with magnetite phenocrysts		LAF












REMARKS

800018


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DRILL HOLE No GAB003

SHEET 2 OF 2

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  * Visible gold

PROJECT :	
PROSPECT :	GARFIELD
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE No	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
210								200.3 - 250.3 pale green sericitic pumiceous volcaniclastic	VRQC	
220										
230										
240										
250										
260										

REMARKS

806019

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 1 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>GARFIELD</u>
DATE :
LOGGED BY : <u>S. W. HALLEY</u>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION	GEOLOGY NOTES	SUMMARY	
							ROCK	ALTERATION
10						0 - 1.6 <u>TRICONE</u> 1.6 - 10.1 <u>volcaniclastic</u>		
20						10.1 - 15.6 <u>feldspar-rich andesite</u> 18.0 - 20.1 <u>andesite</u> 24.6 - 27.4 <u>andesite</u>		
30								
40						<u>Very coarse rhyolitic volcaniclastics</u>		
50								
60								
70								
80								
90						82.3 - 125.4 <u>homogeneous crystal-rich feldspar-quartz phyric rhyolite lava</u>		
100								
110								
120								
130								
140						139.7 - 141.3 <u>dacite</u>		
150								
160								
170						168.2 - 170.9 <u>andesite</u>		
180								
190						185.0 - 188.3 <u>andesite</u> 192.2 - 201.7 <u>andesite</u>		

REMARKS

806620

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DRILL HOLE No GAR 004

SHEET 2 OF 2

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- Visible gold

PROJECT :	
PROSPECT :	GARFIELD
DATE :	
LOGGED BY :	S. W. HALLEY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.		ROCK	ALTERATION
210								201-1 - 210-1 volcaniclastic with mega Qtz phenos.		
220								210-1 - 249-1 andesite		
230										
240										
250								240-9 - 249-1 quartz-phyric volcaniclastic		
260								249-1 - 264-9 andesite		
								264-9 EOH		

REMARKS

806021

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 005

SHEET 1 OF 2

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>GARFIELD</u>
DATE : <u>23-02-95</u>
LOGGED BY : <u>S CORLETT</u>

HOLE DEPTH	SAMPLE No	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION							GEOLOGY NOTES	SUMMARY					
					SIL.	SER.	PY.	CHL.	CRS.	HEMATITE	ANALITE		ROCK	ALTERATION				
10																		
10-12																		
12-19.4																		
19.4-39.6																		
39.6-55.0																		
55.0-84																		
84-85.0																		
85.0-110																		
110-115.8																		
115.8-125																		
125-154																		
154-160																		
160-168																		
168-171.4																		
171.4-190																		
190-200																		

REMARKS SAMPLED 190.0m TO 218.0m. ZONE OF MODERATE HEMATITE ALTERATION.

806022

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005

SHEET 2 OF 2

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ◻◻◻◻ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>GARFIELD</u>
DATE : <u>23-02-95</u>
LOGGED BY : <u>S. CORLETT.</u>

HOLE DEPTH	SAMPLE No	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CARB.	CHL.		HEM.	ROCK
200 210 220 230 240			S1 S0 S1							<p>clast compositions dominated by</p> <p>(1) rhyolite (q. phytic - commonly embayed)</p> <p>(2) metamorphic siltstone (fractured, brecciated & smeared into foliation)</p> <p>- poorly sorted & large variation in clast size</p> <p>- clast supported - long lomerate</p> <p>- local transitions from clast to matrix support to graded.</p>		

REMARKS 806023

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 006

SHEET 1 OF 2

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT :	
PROSPECT :	GARFIELD
DATE :	
LOGGED BY :	S.W. HALLEY

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL	SER	PC		ROCK	ALTERATION
10								0-2 TRICONE 2.0-28.0 crystal-rich andesite		
20								28.0-60.4 dacite, sparse feldspar phenos		
30								62.7-85.5 rhyolite lava		
40								dyke		
50								85.5-90.0 mafic dyke		
60								111.7-113.0 mafic dyke		
70								113.0-254.4 rhyolite lava		
80								mafic dyke		
90								mafic dykes with fuchsite spots after ferro-mag phenocrysts		

REMARKS

806024

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 006

SHEET 2 OF 2

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>GARFIELD</u>
DATE :
LOGGED BY : <u>S.W. HALLEY</u>

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY		
				16	4	1	4	16	32	SIL.	SER.	PY.		ROCK	ALTERATION	
210				/	/	/	/	/	/							
220				/	/	/	/	/	/							
230				/	/	/	/	/	/							
240				/	/	/	/	/	/							
250				/	/	/	/	/	/				254.4 - 259.2 andesite - phenocryst-rich 259.2 EOH			
				▲	▲	▲										
REMARKS																
															806025	

RGC EXPLORATION PTY LTD

DRILL HOLE No WS008 summary

SHEET 1 OF 4

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▣ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>WEST SEDGWICK</u>
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
10				1 16				0-89.0: massive homogeneous feldspar-phyrlic rock		
20				1 2						
30				1 4						
40				1 8						
50				1 12						
60										
70										
80										
90								89.0-91.1		
100								91.1-98.2		
110								98.2-118.2 Basalt-amygdaloidal pillow lava		
120										
130								118.2-133.1		
140								133.1-135.1 Basalt lava		
150								135.1-147.5 sandy to silty andesitic volcaniclastic		
160								147.5-153.1 coarse angular volcaniclastic		
170								153.1-158.4 fine volcaniclastic		
180								158.4-185 massive andesite		
190								185.5-214.0 Dacite lava with abundant coarse feldspar phenocrysts		
200										

REMARKS

806026

RGC EXPLORATION PTY LTD

DRILL HOLE No WS008

SHEET 2 OF 4

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- * Visible gold

PROJECT :
PROSPECT : <u>WEST SEDGWICK</u>
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.		ROCK	ALTERATION
210								214-249.1 andesite lava	LAF	
220									LA	
230										
240										
250								249.1 - 252.8 Siltstone	M	F
260								252.8 - 262.5 sandy crystal rich volcaniclastic with small lithics	EAF	M
270								262.5 - 266.9 grey siltstone	E	F
280								266.9 - 269 lithic rich breccia	EAF	F
290								269 - 316.0 poorly bedded siltstone		
300									EA-F	
310										
320								316.0 - 400.0 Feldspar + quartz phytic crystal rich sandy volcaniclastic		
330										
340										
350										
360										
370										
380										
390										
400										

REMARKS

806027

RGC EXPLORATION PTY LTD

DRILL HOLE No WS008

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- Visible gold

SHEET 3 OF 4

PROJECT :
PROSPECT : <u>WEST SEDGWICK</u>
DATE :
LOGGED BY :












HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY	
				16	4	1	4	16	32	SIL	SER.	PA		ROCK	ALTERATION
410													400-404 404.0-491.1 quartz + feldspar phyric sandy volcanoclastic with sparse lithics	S-F	
420												VDLM			
430															
440															
450															
460															
470															
480															
490															
500												491.1-652.0 massive andesite lava, rare silica filled amydotes (⊙)		LA	
510															
520															
530															
540															
550															
560															
570															
580															
590															
600												calcite filled vesicles			

REMARKS 806028

RGC EXPLORATION PTY LTD

DRILL HOLE No W5008

SHEET 4 OF 4

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  * Visible gold

PROJECT :
PROSPECT : <u>WEST SEDGWICK</u>
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE No PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION				GEOLOGY NOTES	SUMMARY		
				1 16	1 4	1 1	1 1	16 32	SIL	SER	PY						ROCK
610				^	^	^	^	^									
620				^	^	^	^	^									
630				^	^	^	^	^									LA
640				^	^	^	^	^									
650				^	^	^	^	^					652.1 E0+1				
660																	

REMARKS 800029

In the sequence above the andesite there is a massive lava with sparse feldspar phenocrysts. Chemically and texturally it is similar to the CVC. It is intruded by a number of andesite dykes that are quite distinct from the main andesite unit. They are characterised by a high content of feldspar and chloritised ferro-mag phenocrysts. The top of the Yolande River Sequence is dominated by volcanoclastics rather than coherent facies, with mappable sandstone-siltstone units, crystal rich volcanoclastics, and both intrusive and extrusive quartz-feldspar-biotite phyric rhyolites. The contact between the YRS and the Tyndall Group locally appears to be conformable.

The mineralization at Garfield is largely confined to the main andesite unit. The style of mineralization is very similar to Prince Lyell, occurring as a stockwork of fine pyrite-chalcopyrite-calcite veins along with disseminated pyrite and chalcopyrite. Pervasive chlorite-sericite alteration is associated with the mineralization. Chlorite is generally dominant over sericite in the best mineralized zones. Parts of the mineralization are associated with an earlier magnetite-apatite event (eg., in GAR001). Most of the magnetite-apatite occurs in veins or as an alteration around fractures, but some is also disseminated. The magnetite is commonly partly retrogressed to hematite. The mineralized zone is cut by late veins of calcite and purple fluorite. Disseminated sulphides do not extend more than 20 or 30m into the rhyolites enclosing the andesite.

Drillhole GAR003 was located 200m north of GAR001 and was designed to test the continuation to the north of the IP chargeability anomaly associated with the stockwork and disseminated Cu-Au mineralization intersected in holes GAR001 and 002. It intersected

disseminations and veinlets of pyrite and chalcopyrite from 77m to 184m. Sulphides were most abundant in the same andesite unit that contained most of the mineralisation in the first two holes. Overall the pyrite content was lower than in the first two holes, but there is a higher chalcopyrite to pyrite ratio. The mineralized interval averaged 0.24% Cu and 0.078ppm Au. Within this, there was a 21m zone from 142 to 163m averaging 0.89% Cu and 0.29% Au. Copper and gold have a very consistent Cu(%):Au(ppm) ratio of 3:1. At the surface above this intersection, the copper values in soils were around 8ppm. The first three drillholes consistently returned Cu values an order of magnitude greater than soil and rock-chip results.

A re-examination of the IP data in light of this drilling intersection indicates that mineralisation could continue for at least another 300m to the north. Although it is likely to be low grade, it shows that the system is larger than was indicated from the original mapping.

Drillhole GAR004 was designed to test the magnetic anomaly associated with the andesite south of the Garfield Fault. It intersected a sequence of interbedded rhyolitic volcanoclastics and andesite lavas. The magnetic anomaly that this hole was designed to test was due to disseminated magnetite in the andesite. Minor disseminated pyrite occurred in the volcanoclastic unit. No significant mineralisation was intersected.

If it was possible to recognise the original seafloor position at the time the Cu-Au mineralisation was forming, it would be a prime VMS target horizon. Although Prince Lyell - Garfield style mineralization may involve a component of magmatic hydrothermal

fluid, they are still seawater-dominated hydrothermal systems that were presumably depositing exhalative mineralization where the fluids discharged onto the seafloor.

Drillhole GAR005 was designed to test this idea. This hole intersected the base of the Tyndall Group adjacent to the projected position of the Garfield Fault. Although it was not possible to trace the Garfield Fault across the valley to the Tyndall Group contact, there are marked changes in the stratigraphy across the projected position of the fault. A thick unit of feldspar-phyric dacitic lavas on the northern side of the fault is not present to the south. The package of sediments along the Garfield River appears to be significantly thicker on the northern side of the fault. A distinctive package of volcanoclastics, some with exceptionally coarse quartz phenocrysts, is present only on the southern side of the fault. The base of the Tyndall group was considered a probable exhalite horizon because it is mineralized in a number of other localities, these being; (i) the Henty - Howards Anomaly - Comstock horizon, (ii) massive pyrite clasts in the basal mass flow unit on the Cradle Link Road, (iii) a possible carbonate exhalite overlying a sphalerite-galena stockwork at Mount Jacob, (iv) the Beatrice prospect which is overlain by a quartz-phyric lava, probably a correlate of the Tyndall Group.

The target area was remapped ~~remapped~~ in detail and the soil sampling was infilled to 25m spacing. The target horizon at the contact between the Yolande River Sequence and the Tyndall Group is not well exposed, in most places being covered by an Owen conglomerate scree. In the few places where it is exposed, the base of the Tyndall Group has sericite-pyrite-hematite alteration. A cherty silica-pyrite rock occurs at the contact in the Garfield

River near line 2600N. Acidic Fe-hydroxide seepages occur in the scree below the inferred position of the contact.

At the very least it was hoped that a distal exhalite or manganese enrichment or an asymmetry to the alteration at the seafloor position could be recognised in GAR005. as being the exhalite horizon. Unfortunately, the contact between the Yolande River Sequence and the Tyndall Group was faulted. Weak sericite-pyrite alteration extended from the Yolande River Sequence into the base of the Tyndall Group, but it was not possible to positively confirm the model. GAR005 was ended at 235m without intersecting any mineralisation.

Following the good result from GAR003, another hole was planned (GAR006) 200m north of GAR003 where there is still a significant IP chargeability anomaly. The andesite unit that hosted the mineralisation in holes 001, 002 and 003 was not intersected in hole 006, although it has been mapped further north. The andesite had not been mapped on the surface above GAR006, but this was thought to be a result of lack of outcrop. It is now recognised that the andesite has pinched out around line 2500N, before reappearing at the same level in the stratigraphy further north. In the position where mineralisation was expected in GAR006, there was a weak stockwork of pyrite veinlets with traces of sphalerite and galena, within strongly sericitised rhyolites. This confirms the base metal zonation that was suggested by the soil geochemistry. Hole 006 limits the size of the mineralised zone to about 400m x 100m, although other lenses could still occur further north.

4.2 PENGHANA

Regional Geology

The Penghana Grid is located on the western end of the Lake Margaret Road, approximately 4 km north of Queenstown. The geology of the grid is dominated by the Yolande River sequence, which consists of interbedded tuffaceous massflow deposits, turbiditic sandstones, shard-rich tuffaceous mudstones, micaceous siltstones and black graphitic shales (Corbett, 1992).

Several andesitic bodies have been mapped near the western end of the grid and these have a distinct magnetic signature similar to those at the Garfield Prospect. Two barite prospects are located about 500m west of the main andesite body and are hosted within Yolande River Sequence sediments. The relationship of these to the magnetic andesite bodies is unknown but is considered to be a favourable exploration indicator.

The Yolande River Sequence is intruded by several large tabular felsic (quartz-feldspar±biotite, pyroxene, hornblende) porphyry bodies, one of which lies near the eastern edge of the Penghana Grid. These bodies may be associated with extrusive lavas and pyroclastic rocks (Corbett, 1979; Calver et al, 1987).

Grid Geology

Andesite (Ca)

1:1000 geological mapping of the Penghana Grid has shown that the main andesite body (commonly called the "Horse paddock" Andesite) has a strike length of about 1.6 km and is locally offset by two faults trending approximately NW and NE-N (see Plans 8,9 and 10). The andesite varies from hornblende-feldspar phyric porphyritic andesite to equigranular andesite. Other textural varieties include aphyric andesite and amygdaloidal andesite with pink carbonate vesicles. In areas of poor outcrop the andesite can be detected by weathering to a yellow limonitic soil. Several smaller andesite bodies have been mapped within the grid.

In general, the andesite is only weakly altered, usually weak chlorite alteration and minor quartz-chlorite veining may be present. No contacts with the host Yolande River Sequence were observed although the massive unbrecciated nature of the andesite bodies area more indicative of intrusions than of an extrusive lava flow. A small 3cm wide intrusive andesite(?) dyke with perlitic cracks was observed at 379385E,5344775N.

Yolande River Sequence (CYS)

During the mapping the Yolande River Sequence was subdivided into two main lithotypes. Lithotype Cys consists of interbedded ashy fine to medium grained volcanoclastic sandstones and siltstone and is commonly interbedded with Lithotype Cysm, medium to coarse grained feldspar-rare quartz phyric volcanoclastic sandstone. The coarser sandstone lithotype is commonly chloritic and can weather to a pale yellow limonite soil which superficially resembles an andesite derived soil. The interbedded relationship between Cys and Cysm is well exposed between 650E and 700E on line 5343100N. Both the Cys and Cysm units are massflow derived deposits with the Cysm units forming coarse basal zones which grade upwards into the finer Cys units. Lack of along strike continuity has prevented showing the distribution of the two lithotypes on the interpretive geology plan (Plan 10) and both units have been designated (Cys). Minor feldspar phyric lavas(?) have been mapped within the Yolande River Sequence in the south of the grid.

Central Volcanics Complex?

A small area of feldspar phyric lava was mapped on the eastern end of line 5345000mN, and appears to be interbedded with possible Yolande River Sequence siltstones.

Soil Geochemistry

213 soil samples were collected from the Penghana grid. Only the old 200m spaced lines were sampled. The samples were analysed for Cu, Pb, Zn and Au by Analabs. The results area tabulated in Appendix 3.

Maximum values reported are:-

Cu	214 ppm
Pb	221 ppm
Zn	839 ppm
Au	0.037 ppm

Higher base metal abundances occur predominantly within the unit of andesite that crops out along the western margin of the grid.

Ground Magnetism Survey

A ground magnetic survey was conducted at the Penghana grid in April 1994. The survey was performed along a series of east-west lines spaced 100m apart with measurements made at 5m intervals. The survey extended from line 5343000mN to 5345000mN and utilised a pair of Geometrics G856 proton precession magnetometers. One of these was established as a base station recording the diurnal variation of the Earth's magnetic field at 10 second intervals.

The results of the survey are presented on the accompanying floppy disk and as stacked profiles (Plan 11) and contours of total magnetic intensity (Plan 12). In general there is a strong magnetic response in the western part of the grid that corresponds approximately to the area mapped as andesite. There is a major dislocation of the magnetic signature at 4100N which corresponds to a faulted offset to the andesite body. The northern anomaly has a step like plateau on its eastern flank and may suggest that this andesite body has variable magnetite alteration. A second dislocation to the main magnetic anomaly at 3500mN is largely unexplained.

References

Corbett, K.D. 1979, Stratigraphy, correlation and evolution of the Mt Read Volcanics in the Queenstown, Jukes-Darwin and Mt Sedgwick areas. Tas. Geol. Surv. Bull 58, 74p.

Corbett, K.D. 1992, Stratigraphic - volcanic setting of Massive Sulphide Deposits in the Cambrian Mount Read Volcanics, Tasmania. Econ. Geol. V87, 564-586.

Calver, C.R., Baillie, P.W., Everard, J.L., Seymour, D.B., Williams, P.R., Forsyth, S.M., Turner, N.J., and Williams, E., 1987, Lyell, Tasmania: Tas Dept Mines Geol Atlas 1:50000 Series Sheet 58.

4.3 WEST SEDGWICK

Drill hole WS008 was collared in a pyritic felsic epiclastic unit and passed into pyritic basaltic pillow lavas. These were followed by andesitic volcanoclastics, dacite lavas and andesite lavas. The stratigraphy and the thickness of units was quite different to WS007, less than 200m above. Numerous faults were encountered, and this area is clearly quite complex structurally and stratigraphically. The lower part of the hole contained numerous pyrite veins but nowhere near the abundance of sulphide intersected in WS007.

4.4 MOXON SADDLE

David Boyd's report on exploration at Moxon Saddle is presented as Appendix 1. The following is taken from his summary:

Detailed mapping of the Moxon Saddle grid has revealed a simple geology comprising north-trending fault-bounded blocks of, from east to west, feldspar-phyric dacite lava, quartz- and feldspar-phyric rhyolite lava, altered schistose silt and sandstone and feldspar-phyric volcanics. Separating the altered schistose silt and sandstone from the quartz- and feldspar-phyric rhyolite lava is the Henty Fault, over which are three large chargeability anomalies discovered by BHP Utah International in 1990 on the northern three lines of the grid. Associated with these chargeability anomalies are small Pb and Zn soil geochemical anomalies and, in the altered schistose silt and sandstone to the south is an old copper working explored in the early seventies and eighties by Goldfields Exploration. The best intersection from drillholes into the deposit yielded 14.4 m @ 0.43% Cu and 0.027 ppm Au.

A diamond hole drilled at -55p dip and roughly perpendicular to the strike of the Henty Fault should intersect the zone causing the IP anomaly at 290 m down the hole. Given the environmental sensitivity of the area, much of which is covered in sub-alpine King Billy Pine forest, the hole will need to be helicopter supported. No major site clearing will be required as a window of scrub within the forest is available.

4.5 BEATRICE

David Boyd's report on exploration at Beatrice is presented in Appendix 5 and is summarised as follows:

Detailed mapping this year at the Beatrice Pb-Zn Prospect, 10 km northeast of Queenstown in Western Tasmania has revealed a relatively complex geology comprising a seafloor sequence of black shale, coarse and ashy volcanoclastic rocks and feldspar-phyrlic lavas overlain conformably by flows of quartz-feldspar rhyolite porphyry lava. Trending north and dipping steeply to the west, the black shale and volcanoclastic units, which show some degree of reworking, represent the mineralised horizon in the area. Extensive exploration by Mt. Lyell in the seventies included Induced Polarisation and soil geochemistry surveys, which identified the black shale and the volcanoclastic units as the most prospective horizon. Four diamond drillholes thoroughly tested the exposed strike-length of these units as mapped in the seventies yielding promising results, the best intersection being 2 m @ 0.14% Cu, 2.65% Pb, 5.05% Zn and 22 ppm Ag. However, the rest of the drilling failed to identify any significant mineral deposit and the Prospect was abandoned in 1980.

This year, a review of the exploration conducted during the seventies, and re-mapping of the Beatrice grid identified a new, untested target. Black shale and volcanoclastic units extend about 1 km further south from the previously mapped limit of exposure and a 300 m diamond drillhole, sited on an existing road, would intersect shale at 150 m, and continue through the volcanoclastic unit. Subsequent drilling of an inferred continuation of the mineralised horizon, under glacial scree, could then be evaluated.

5. PROPOSED WORK

5.1 GARFIELD

The levels of copper recorded in the drill holes have consistently been an order of magnitude higher than the rock chip or soil values sampled at surface above the hole. This may be due to leaching of copper in the weathering profile or it may represent a primary copper distribution, analogous to Western Tharsis, where ore grade copper was not intersected until 300m below surface. To test this,

a series of short diamond drill holes are proposed. The holes will be drilled with Nick Poltock's portable drilling equipment to minimise the environmental impact. The holes will be drilled into the top of the chargeability anomalies to a depth of about 10m below the base of oxidation. If it is apparent that there is a vertical zonation in the primary copper distribution, it would make a strong argument for drilling a deep hole beneath GAR001 and 002. A hole to intersect the mineralized zone between 350 to 500m downhole is envisaged.

5.2 PENGHANA

Penghana has a similar magnetic signature to Garfield. It has Pb and Zn values above a normal background, similar to the base metal zonation at Garfield. The barite veins in the overlying sequence at Madam Howards are indicative of an active hydrothermal system in this area. These features warrant drill testing of this prospect. A 300m hole should be drilled to test the main part of the magnetic anomaly.

5.3 Other Areas

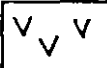

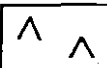

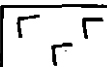
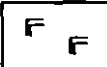
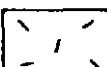
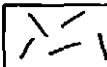




Drill targets at Moxon Saddle and Beartice are outlined in the reports by David Boyd. The proposed drill hole at Moxon Saddle would test the IP anomaly along the Henty Fault and may also reach the base of the Tyndall Group east of the Henty Fault. This would be a helicopter supported hole of about 400m. The proposed Beatrice drill hole would test for an extension of the Itat Creek base metal zone southwards towards the West Sedgwick Fault. This hole could be drilled from the old Sedgwick track.

APPENDIX 1

Drill log and assays, GAR002, GAR003,
GAR004, GAR005, GAR006, WS008

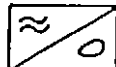







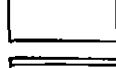
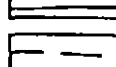

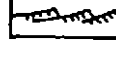
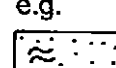

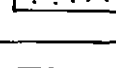
SYMBOLS FOR COHERENT TEXTURES

- single line symbols for low to moderate phenocryst abundance
- double line symbols for abundant phenocrysts
- smaller symbols for fine grained phenocrysts
- larger symbols for coarse grained phenocrysts
- additional "+" symbol for coarse, phenocryst-rich granitoid texture

	basalt, poorly to moderately porphyritic basalt
	phenocryst-rich basalt
	andesite, poorly to moderately porphyritic andesite
	phenocryst-rich andesite
	dacite, poorly to moderately porphyritic dacite
	phenocryst-rich dacite
	fine, poorly to moderately porphyritic rhyolite
	coarse, poorly to moderately porphyritic rhyolite
	coarse, phenocryst-rich rhyolite
	coarse rhyolitic porphyry
	flow foliation
	spherulites, lithophysae, alteration spots, nodular devitrification texture

SYMBOLS FOR VOLCANICLASTIC TEXTURES

- closer spaced symbols for dominant grain size and grain type

	pumice or relict pumice
	angular, juvenile lava clasts
	fiamme/vitriclast or relict vitriclast
	accretionary lapilli
	angular, polymict lithic clasts
	rounded, polymict lithic clasts
	mudstone intraclast
	sand-size particles, granular texture
	mud-size particles
	distinct planar stratification
	diffuse planar stratification
	cross bedding
	micro-cross lamination
e.g.	
	pumice clasts in sand matrix
	angular polymict lithic clasts and mudstone intraclasts in sand matrix

SYMBOLS FOR JUVENILE-CLAST-RICH DEPOSITS






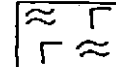
	jigsaw-fit texture of fine, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, moderately porphyritic rhyolitic composition
	jigsaw-fit texture of coarse, moderately porphyritic rhyolite		pumice-clast-rich deposit, coarse, phenocryst-rich rhyolitic composition
	jigsaw-fit texture of coarse phenocryst-rich andesite		pumice-clast-rich deposit, coarse, moderately porphyritic dacitic composition

Fig. 9—Recommended composition and texture symbols for graphic logging of volcanic deposits.

(From: McPhie, Doyle and Allen. CODES 1993)

RGC EXPLORATION PTY. LIMITED

SUMMARY DIAMOND DRILL CORE RECORD

806042

PROJECT: TAS BASE METALS	DESIGNED BY: S. HALLEY	COMMENCED: 16/3/94
PROSPECT: GARFIELD	LOGGED BY: S. HALLEY	FINISHED: - 9/4/94

HOLE: GAR 002
STATE: TAS

PURPOSE

THIS HOLE WAS DESIGNED TO TEST FOR HIGHER GRADE CU-AU MINERALIZATION BETWEEN GAR 001 AND A POSTULATED FAULT AT THE SOUTHERN END OF THE GARFIELD ANDESITE

GEOLOGY SUMMARY

ASSAY SUMMARY

FROM	TO	Cu	Au						GENERAL COMMENTS
154m	264m	0.25%	0.07ppm						

SURVEY DATA

COLLAR	DEPTH	INCLINATION	AZIMUTH	DEPTH	INCLINATION	AZIMUTH
NORTHING: 5324563	0	-60	075	210	-47	080
EASTING: 379935	30	-57	076	240	-46	082
RL 285	60	-57	075	270	-44.3	080
INCLINATION: -60	90	-56	075	310	-42	084
AZIMUTH: 075	120	-54.5	077	334	-41.3	085.5
EOH: 334.5 m	150	-50	078			
	180	-49	078			












DRILLING DATA

HOLE SIZE	DEPTH	GENERAL COMMENTS:
		ALL CASING RECOVERED.
















RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 002

SHEET 1 OF

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  * Visible gold

PROJECT : <u>TAS BASE METALS</u>
PROSPECT : <u>GARFIELD</u>
DATE : <u>11/4/94</u>
LOGGED BY: <u>S.W. HALLEY</u>

HOLE DEPTH	CORE RECOVERY	CORE QUALITY	SAMPLE No PREFIX	ASSAY RESULTS	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG	
					LITH STRUC	MIN ALT				
1	TRILCONITE							3 2 8 32		
2										
3										
4									3.0 - 15.9 massive feldspar-phyric dacitic lava	
5									moderately foliated.	
6										
7										
8										
9										
10										
11									S1 45° LCA	
12										
13										
14										
15										
16									faulted lower contact	
17									15.9 - 23.6 andesite, moderately foliated	
18									conspicuous feldspar phenos and chloritized	
19									ferro-mags	

LDF

LAFH












REMARKS

800043

RGC EXPLORATION PTY LTD

DRILL HOLE NO GAR 002

SHEET 2 OF

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  * Visible gold

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	CORE RECOVERY	CORE QUALITY	SAMPLE NO PREP	ASSAY RESULTS	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY					SUMMARY LOG	
					LITH STRUC	MIN ALT		NOTES						
21					[Pictorial Log: Solid black area]			1/8	1/2	2	8	32		LAFH
22								^	^					
23								^	^					
24								^	^					
25								┌					LDF	
26								┌						
27								┌						
28								┌						
29								┌						
30								┌						
31								┌						
32								┌						
33								┌						
34								┌						
35								┌						
36								┌						
37								┌						
38								┌						
39								┌						

~~~~~ base of oxidation

23.6 - 65.5  
feldspar phyric dacitic  
lava  
med. green  
weakly foliated  
S<sub>1</sub> 45° LCA  
quartz-chlorite vein

3m → 35.5 HQ  
35.5 → 40.4 NQ












806044

REMARKS

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 002

SHEET 3 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG |            | GRAPHIC LOG |  |  |            | GEOLOGY<br><br>NOTES | SUMMARY LOG |
|------------|---------------|--------------|---------------------|---------------|---------------|------------|-------------|--|--|------------|----------------------|-------------|
|            |               |              |                     |               | LITH<br>STRUC | MIN<br>ALT |             |  |  |            |                      |             |
| 41         |               |              |                     |               |               |            |             |  |  | 1/2 2 8 32 |                      |             |
| 42         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 43         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 44         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 45         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 46         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 47         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 48         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 49         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 50         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 51         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 52         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 53         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 54         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 55         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 56         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 57         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 58         |               |              |                     |               |               |            |             |  |  |            |                      |             |
| 59         |               |              |                     |               |               |            |             |  |  |            |                      |             |

LDF












806045

REMARKS
















# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 002

SHEET 4 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG                                                                       |            | GRAPHIC LOG |     |    |      |     | GEOLOGY<br>NOTES | SUMMARY LOG |     |   |   |    |  |  |
|------------|---------------|--------------|---------------------|---------------|-------------------------------------------------------------------------------------|------------|-------------|-----|----|------|-----|------------------|-------------|-----|---|---|----|--|--|
|            |               |              |                     |               | LITH<br>STRUC                                                                       | MIN<br>ALT | SIL         | SPR | PY | CARB | CHL |                  |             | 1/2 | 2 | 8 | 32 |  |  |
| 61         |               |              |                     |               |    |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 62         |               |              |                     |               |    |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 63         |               |              |                     |               |    |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 64         |               |              |                     |               |   |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 65         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 66         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 67         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 68         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 69         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 70         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 71         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 72         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 73         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 74         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 75         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 76         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 77         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 78         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |
| 79         |               |              |                     |               |  |            |             |     |    |      |     |                  |             |     |   |   |    |  |  |

65.5 - 66.5  
andesite lava, pheno-rich

66.5 - 69.5  
feldspar phyric  
dacitic lava

69.5 - 80.6  
sandy felsic volcanoclastic  
common feldspar grains  
sparse f.g. quartz  
strongly foliated

S<sub>1</sub> 35° LCA

broken core

806046












REMARKS

LDF LDF LDF LDF VMEB




















# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 002

SHEET 5 OF           

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO | ASSAY RESULTS | PICTORIAL LOG                                                                       |         | GRAPHIC LOG |     |    |      |     | GEOLOGY NOTES | SUMMARY LOG |     |     |   |    |
|------------|---------------|--------------|-----------|---------------|-------------------------------------------------------------------------------------|---------|-------------|-----|----|------|-----|---------------|-------------|-----|-----|---|----|
|            |               |              |           |               | LITH STRUC                                                                          | MIN ALT | SIC         | SPR | PY | CARB | CHL |               |             | 1/8 | 1/2 | 2 | 32 |
| 81         |               |              |           |               |    |         |             |     |    |      |     |               |             |     |     |   |    |
| 82         |               |              |           |               |    |         |             |     |    |      |     |               |             |     |     |   |    |
| 83         |               |              |           |               |    |         |             |     |    |      |     |               |             |     |     |   |    |
| 84         |               |              |           |               |    |         |             |     |    |      |     |               |             |     |     |   |    |
| 85         |               |              |           |               |    |         |             |     |    |      |     |               |             |     |     |   |    |
| 86         |               |              |           |               |   |         |             |     |    |      |     |               |             |     |     |   |    |
| 87         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 88         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 89         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 90         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 91         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 92         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 93         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 94         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 95         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 96         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 97         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 98         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |
| 99         |               |              |           |               |  |         |             |     |    |      |     |               |             |     |     |   |    |

REMARKS

806047

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

806048

SHEET 6 OF \_\_\_\_\_

- Bedding
- ┌ Cleavage
- └ Foliation
- ~ Fault, Shear
- △△△ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO | ASSAY RESULTS | PICTORIAL LOG |         | GRAPHIC LOG |     |    |      |     | GEOLOGY NOTES | SUMMARY LOG |   |   |                                                |
|------------|---------------|--------------|-----------|---------------|---------------|---------|-------------|-----|----|------|-----|---------------|-------------|---|---|------------------------------------------------|
|            |               |              |           |               | LITH STRUC    | MIN ALT | SIL         | SUR | PY | CARB | CHL |               |             | 1 | 2 | 3                                              |
| 101        |               |              |           |               | LITH STRUC    |         |             |     |    |      | ^   |               |             |   |   |                                                |
| 102        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 103        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 104        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 105        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 106        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 107        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 108        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 109        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 110        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 111        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 112        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 113        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 114        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 115        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 116        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   |                                                |
| 117        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   | qtz-chlorite-siderite vein                     |
| 118        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   | qtz-chlorite vein                              |
| 119        |               |              |           |               |               |         |             |     |    |      |     | ^             |             |   |   | sharp planar contact<br>119.5 - 121.6 rhyolite |

LAF












LRB

REMARKS

**RGC EXPLORATION PTY LTD**

**DRILL HOLE No** GAR 002

**SHEET** 7 **OF** \_\_\_\_\_

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                    |
|--------------------|
| <b>PROJECT</b> :   |
| <b>PROSPECT</b> :  |
| <b>DATE</b> :      |
| <b>LOGGED BY</b> : |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG |         | GRAPHIC LOG |     |    |      |     | GEOLOGY<br>NOTES                                                                                                              | SUMMARY LOG |
|------------|---------------|--------------|---------------------|---------------|---------------|---------|-------------|-----|----|------|-----|-------------------------------------------------------------------------------------------------------------------------------|-------------|
|            |               |              |                     |               | LITH STRUC    | MIN ALT | SIL         | SAP | PY | CAOB | CHL |                                                                                                                               |             |
| 121        |               |              |                     |               |               |         |             |     |    |      |     | 119.5 - 121.6<br>rhyolite lava<br>qtz-chl vein<br>S <sub>1</sub> 40° LCA                                                      | LRO         |
| 122        |               |              |                     |               |               |         |             |     |    |      |     | 121.6 - 124.6<br>andesite lava<br>finely porphyritic                                                                          | LAF         |
| 123        |               |              |                     |               |               |         |             |     |    |      |     |                                                                                                                               |             |
| 124        |               |              |                     |               |               |         |             |     |    |      |     |                                                                                                                               |             |
| 125        |               |              |                     |               |               |         |             |     |    |      |     | 124.6 - 131.35<br>rhyolite lava<br>domains of pale green<br>sericite<br>coarse quartz phenos                                  | LRO         |
| 126        |               |              | 37235               | 41            | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 127        |               |              | 36                  | 11            | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 128        |               |              | 37                  | 4             | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 129        |               |              | 38                  | -             | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 130        |               |              | 39                  | 50            | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 131        |               |              | 40                  | 50            | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 132        |               |              | 41                  | 33            | -             |         |             |     |    |      |     | 131.35 - 135.65<br>andesite lava<br>finely porphyritic                                                                        | LAF         |
| 133        |               |              | 42                  | 87            | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 134        |               |              | 43                  | 171           | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 135        |               |              | 44                  | 189           | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 136        |               |              | 45                  | 744           | 0.011         |         |             |     |    |      |     | 135.65 - 141.9<br>rhyolite lava<br>ghosted coarse fragmental<br>texture,<br>may be a volcanoclastic<br>S <sub>1</sub> 50° LCA | LRO         |
| 137        |               |              | 46                  | 8             | -             |         |             |     |    |      |     |                                                                                                                               |             |
| 138        |               |              | 47                  | 11            | 0.014         |         |             |     |    |      |     |                                                                                                                               |             |
| 139        |               |              | 48                  | 14            | -             |         |             |     |    |      |     |                                                                                                                               |             |
|            |               |              | 49                  | 7             | -             |         |             |     |    |      |     |                                                                                                                               |             |

REMARKS

**RGC EXPLORATION PTY LTD**

**DRILL HOLE No** \_\_\_\_\_

**SHEET** 8 **OF** \_\_\_\_\_

- Bedding
- ┌ Cleavage
- ┆ Foliation
- ~ Fault, Shear
- △△△ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                    |  |
|--------------------|--|
| <b>PROJECT :</b>   |  |
| <b>PROSPECT :</b>  |  |
| <b>DATE :</b>      |  |
| <b>LOGGED BY :</b> |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG |         | GRAPHIC LOG |     |    |      |     | GEOLOGY NOTES                                                        | SUMMARY LOG |
|------------|---------------|--------------|---------------------|---------------|---------------|---------|-------------|-----|----|------|-----|----------------------------------------------------------------------|-------------|
|            |               |              |                     |               | LITH STRUC    | MIN ALT | SIL         | SER | PY | CARB | CHL |                                                                      |             |
| 141        |               |              | 50                  | 13 -          |               |         |             |     |    |      |     | Quartz chlorite veins                                                |             |
| 142        |               |              | 51                  | 22 -          |               |         |             |     |    |      |     | 141.9 - 143.1<br>andesite lava                                       | LAF         |
| 143        |               |              | 52                  | 327 -         |               |         |             |     |    |      |     | 143.1 - 143.65                                                       | LRG         |
| 144        |               |              | 53                  | 200 0.024     | F             | F       |             |     |    |      |     | 143.65 - 144.05                                                      | LAF         |
| 145        |               |              | 54                  | 730 0.026     |               |         |             |     |    |      |     | 144.05 - 148.1                                                       |             |
| 146        |               |              | 55                  | 169 0.003     |               |         |             |     |    |      |     | rhyolite lava<br>coarse quartz pheno's.                              | LRG         |
| 147        |               |              | 56                  | 99 0.013      |               |         |             |     |    |      |     | S <sub>1</sub> 55° LCA<br>lenticular pyrite + sericite<br>alteration | LRG         |
| 148        |               |              | 57                  | 20 0.012      |               |         |             |     |    |      |     | 148.1 - 149<br>sandy rhyolitic volcanoclastic                        | VRM         |
| 149        |               |              | 59                  | 81 -          |               |         |             |     |    |      |     | 149.0 - 150.1<br>S <sub>1</sub> 60° LCA                              | LAFH        |
| 150        |               |              | 61                  | 494 0.012     |               |         |             |     |    |      |     | 150.1 - 151.2<br>qtz-carb-chalco vein                                | LRG         |
| 151        |               |              | 62                  | 778 0.010     |               |         |             |     |    |      |     | 151.2 - 152.2                                                        | LAF         |
| 152        |               |              | 63                  | 393 -         |               |         |             |     |    |      |     | 152.2 - 157.0                                                        |             |
| 153        |               |              | 64                  | 885 0.038     |               |         |             |     |    |      |     | rhyolitic lava                                                       |             |
| 154        |               |              | 65                  | 175 0.025     |               |         |             |     |    |      |     | qtz-carb-chalco vein                                                 | LRG         |
| 155        |               |              | 66                  | 508 0.016     |               |         |             |     |    |      |     |                                                                      |             |
| 156        |               |              | 67                  | 1649 0.040    |               |         |             |     |    |      |     |                                                                      |             |
| 157        |               |              | 68                  | 4349 0.204    |               | hm      |             |     |    |      |     | 157.0 -<br>andesitic lava                                            |             |
| 158        |               |              | 69                  | 3468 0.093    |               |         |             |     |    |      |     | stockwork of pyrite<br>veinlets with some<br>disseminated py.        | LAF         |
| 159        |               |              | 70                  | 2410 0.061    |               |         |             |     |    |      |     | fine chalco with the py                                              |             |

REMARKS

806051

**RGC EXPLORATION PTY LTD**

**DRILL HOLE No** GAR 002

**SHEET** 9 **OF**           

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

|                    |  |
|--------------------|--|
| <b>PROJECT :</b>   |  |
| <b>PROSPECT :</b>  |  |
| <b>DATE :</b>      |  |
| <b>LOGGED BY :</b> |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS |       | PICTORIAL LOG |         | GRAPHIC LOG |     |    |      |     | GEOLOGY<br>NOTES | SUMMARY LOG |                                                                                                                                                                                                                                                                                                                     |     |
|------------|---------------|--------------|---------------------|---------------|-------|---------------|---------|-------------|-----|----|------|-----|------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|            |               |              |                     | CU            | AU    | LITH STRUC    | MIN ALT | SIL         | SER | PY | CARB | CHL |                  |             | * 1/2 2 3 32                                                                                                                                                                                                                                                                                                        |     |
| 161        |               |              | 57271               | 4751          | 0.057 |               |         |             |     |    |      |     |                  |             | <p>chlorite-pyrite<br/>+ calcite alteration,<br/>pervasive chlorite<br/>pyrite in veins +<br/>disseminated</p> <p>carbonate is in veinlets<br/>and in restricted zones<br/>as relicts after plag.<br/>little visible ccp.<br/>probably very fine c py</p> <p>qtz-carb-chl-ccp vein</p> <p>S<sub>1</sub> 65° LCA</p> | LAP |
| 162        |               |              | 72                  | 3110          | 0.046 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 163        |               |              | 73                  | 1227          | 0.046 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 164        |               |              | 74                  | 1691          | 0.013 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 165        |               |              | 75                  | 1852          | 0.005 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 166        |               |              | 76                  | 2452          | 0.028 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 167        |               |              | 77                  | 1058          | -     |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 168        |               |              | 78                  | 1240          | -     |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 169        |               |              | 79                  | 1609          | -     |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 170        |               |              | 80                  | 1682          | 0.012 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 171        |               |              | 81                  | 1222          | 0.011 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 172        |               |              | 82                  | 844           | 0.014 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 173        |               |              | 83                  | 596           | 0.012 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 174        |               |              | 84                  | 530           | -     |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 175        |               |              | 85                  | 308           | -     |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 176        |               |              | 86                  | 1671          | 0.038 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 177        |               |              | 87                  | 708           | 0.029 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 178        |               |              | 88                  | 729           | 0.018 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
| 179        |               |              | 89                  | 903           | 0.019 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |
|            |               |              | 90                  | 1123          | 0.005 |               |         |             |     |    |      |     |                  |             |                                                                                                                                                                                                                                                                                                                     |     |

REMARKS

806052

**RGC EXPLORATION PTY LTD**

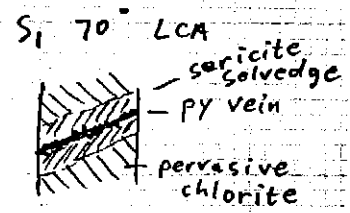
**DRILL HOLE No** GAR 002

**SHEET** 10 **OF** \_\_\_\_\_

- Bedding
- [ ] Cleavage
- - - Foliation
- ~ Fault, Shear
- △△△ Breccia
- ||||| Broken core
- Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- \* Visible gold

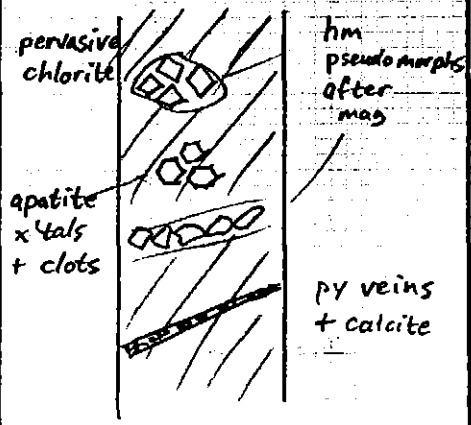
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|--------------------------------|
| <b>PROJECT :</b>               |
| <b>PROSPECT :</b> GARFIELD     |
| <b>DATE :</b> 14/4/94          |
| <b>LOGGED BY :</b> S.W. HALLEY |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG |         | GRAPHIC LOG |    |    |     |     | GEOLOGY NOTES | SUMMARY LOG |     |
|------------|---------------|--------------|---------------------|---------------|---------------|---------|-------------|----|----|-----|-----|---------------|-------------|-----|
|            |               |              |                     |               | LITH STRUC    | MIN ALT | SIL         | GR | PY | CHL | CHL |               |             | CHL |
| 181        |               |              | 37291               | 746 0-032     |               |         |             |    |    |     |     |               |             |     |
| 182        |               |              | 92                  | 542 0-022     |               |         |             |    |    |     |     |               |             |     |
| 183        |               |              | 93                  | 521 0-035     |               |         |             |    |    |     |     |               |             |     |
| 184        |               |              | 94                  | 1050 0-038    |               |         |             |    |    |     |     |               |             |     |
| 185        |               |              | 95                  | 1094 0-033    |               |         |             |    |    |     |     |               |             |     |
| 186        |               |              | 96                  | 1339 0-049    |               |         |             |    |    |     |     |               |             |     |
| 187        |               |              | 97                  | 1290 0-035    |               |         |             |    |    |     |     |               |             |     |
| 188        |               |              | 98                  | 1365 0-061    |               |         |             |    |    |     |     |               |             |     |
| 189        |               |              | 99                  | 1157 0-070    |               |         |             |    |    |     |     |               |             |     |
| 190        |               |              | 37300               | 626 0-022     |               |         |             |    |    |     |     |               |             |     |
| 191        |               |              | 37301               | 1292 0-033    |               |         |             |    |    |     |     |               |             |     |
| 192        |               |              | 02                  | 1351 0-050    |               |         |             |    |    |     |     |               |             |     |
| 193        |               |              | 03                  | 838 0-086     |               |         |             |    |    |     |     |               |             |     |
| 194        |               |              | 04                  | 613 0-049     |               |         |             |    |    |     |     |               |             |     |
| 195        |               |              | 06                  | 1041 0-031    |               |         |             |    |    |     |     |               |             |     |
| 196        |               |              | 07                  | 1244 0-035    |               |         |             |    |    |     |     |               |             |     |
| 197        |               |              | 08                  | 681 0-027     |               |         |             |    |    |     |     |               |             |     |
| 198        |               |              | 09                  | 612 0-021     |               |         |             |    |    |     |     |               |             |     |
| 199        |               |              | 10                  | 550 0-019     |               |         |             |    |    |     |     |               |             |     |
|            |               |              | 11                  | 294 0-008     |               |         |             |    |    |     |     |               |             |     |



traces of calcite throughout  
 abundant calcite within the pyrite veins

185-5 m



REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 002

SHEET 11 OF

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

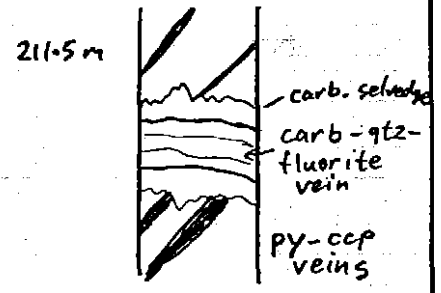
|                     |
|---------------------|
| PROJECT :           |
| PROSPECT : GARFIELD |
| DATE :              |
| LOGGED BY :         |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG                                      |         | GRAPHIC LOG |     |    |      |     | GEOLOGY NOTES | SUMMARY LOG |     |     |   |   |    |  |
|------------|---------------|--------------|---------------------|---------------|----------------------------------------------------|---------|-------------|-----|----|------|-----|---------------|-------------|-----|-----|---|---|----|--|
|            |               |              |                     |               | LITH STRUC                                         | MIN ALT | SIL         | SOR | PY | CARB | CHL |               |             | 1/8 | 1/2 | 2 | 8 | 32 |  |
| 201        |               |              | 37312               | 4837 0.088    | [Pictorial Log: Solid black bar with some texture] |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 202        |               |              | 13                  | 5194 0.242    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 203        |               |              | 14                  | 5027 0.147    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 204        |               |              | 15                  | 5117 0.118    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 205        |               |              | 16                  | 4806 0.147    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 206        |               |              | 17                  | 5688 0.146    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 207        |               |              | 18                  | 2961 0.098    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 208        |               |              | 19                  | 4644 0.099    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 209        |               |              | 20                  | 2919 0.083    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 210        |               |              | 21                  | 2322 0.072    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 211        |               |              | 22                  | 5974 0.190    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 212        |               |              | 23                  | 7283 0.244    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 213        |               |              | 24                  | 5513 0.093    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 214        |               |              | 25                  | 4967 0.087    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 215        |               |              | 26                  | 3636 0.114    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 216        |               |              | 27                  | 4585 0.115    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 217        |               |              | 28                  | 4074 0.147    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 218        |               |              | 29                  | 2.53 1.160    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
| 219        |               |              | 31                  | 1.64 0.407    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |
|            |               |              | 32                  | 2608 0.030    |                                                    |         |             |     |    |      |     |               |             |     |     |   |   |    |  |

puggy fault

S<sub>1</sub> 60° LCA

abundant calcite veins and veinlets. larger ones are late stage and contain common purple fluorite



ccp-rich zone












REMARKS

# RGC EXPLORATION PTY LTD

# DRILL HOLE No

806054

SHEET 12 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS |       | PICTORIAL LOG |            | GRAPHIC LOG |     |    |      |     | GEOLOGY<br>NOTES | SUMMARY LOG |     |     |   |   |    |  |
|------------|---------------|--------------|---------------------|---------------|-------|---------------|------------|-------------|-----|----|------|-----|------------------|-------------|-----|-----|---|---|----|--|
|            |               |              |                     | Cu            | Au    | LITH<br>STRUC | MIN<br>ALT | SIL         | SPR | PY | CARB | CHL |                  |             | 1/8 | 1/2 | 2 | 8 | 32 |  |
| 224        |               |              | 3733                | 1528          | 0.084 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 222        |               |              | 34                  | 1448          | 0.024 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 223        |               |              | 35                  | 1729          | 0.098 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 224        |               |              | 36                  | 520           | 0.008 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 225        |               |              | 37                  | 1199          | 0.034 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 226        |               |              | 38                  | 1357          | 0.044 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 227        |               |              | 39                  | 1210          | 0.026 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 228        |               |              | 40                  | 2253          | 0.075 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 229        |               |              | 41                  | 3128          | 0.105 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 230        |               |              | 42                  | 1840          | 0.074 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 231        |               |              | 43                  | 2626          | 0.114 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 232        |               |              | 44                  | 1642          | 0.027 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 233        |               |              | 45                  | 3609          | 0.115 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 234        |               |              | 46                  | 4033          | 0.124 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 235        |               |              | 47                  | 1728          | 0.039 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 236        |               |              | 48                  | 2371          | 0.036 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 237        |               |              | 49                  | 2275          | 0.021 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 238        |               |              | 50                  | 3236          | 0.012 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 239        |               |              | 51                  | 3085          | 0.014 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |
| 239        |               |              | 52                  | 2866          | 0.016 |               |            |             |     |    |      |     |                  |             |     |     |   |   |    |  |

Weak cleavage  
S<sub>1</sub> 55 LCA












Calcite - chlorite fluorite vein

REMARKS

**RGC EXPLORATION PTY LTD**

**DRILL HOLE No** GAR 002

**SHEET** 13 **OF**       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                    |
|--------------------|
| <b>PROJECT :</b>   |
| <b>PROSPECT :</b>  |
| <b>DATE :</b>      |
| <b>LOGGED BY :</b> |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG |                     | GRAPHIC LOG |     |    |      |     | GEOLOGY<br>NOTES | SUMMARY LOG |     |     |   |
|------------|---------------|--------------|---------------------|---------------|---------------|---------------------|-------------|-----|----|------|-----|------------------|-------------|-----|-----|---|
|            |               |              |                     |               | LITH<br>STRUC | MIN<br>ALT          | SIL         | SOR | PY | CARB | CHL |                  |             | 1/2 | 2   | 8 |
| 241        |               |              | 51358               | 2371          | 0-010         | [Lithology pattern] |             |     |    |      |     | ^                |             |     | LAF |   |
| 242        |               |              | 54                  | 1335          | 0-012         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 243        |               |              | 56                  | 2141          | 0-021         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 244        |               |              | 57                  | 2171          | 0-017         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 245        |               |              | 58                  | 2308          | 0-013         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 246        |               |              | 59                  | 3335          | 0-015         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 247        |               |              | 60                  | 2897          | 0-037         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 248        |               |              | 61                  | 2755          | 0-015         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 249        |               |              | 62                  | 3614          | 0-072         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 250        |               |              | 63                  | 5664          | 0-289         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 251        |               |              | 64                  | 2675          | 0-088         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 252        |               |              | 65                  | 2574          | 0-035         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 253        |               |              | 66                  | 2186          | 0-016         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 254        |               |              | 67                  | 630           | 0-017         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 255        |               |              | 68                  | 1308          | 0-047         |                     |             |     |    |      |     |                  | ^           |     |     |   |
| 256        |               |              | 69                  | 2934          | 0-109         |                     |             |     |    |      |     | ^                |             |     |     |   |
| 257        |               |              | 70                  | 4878          | 0-126         |                     |             |     |    |      |     | ^                |             |     |     |   |
| 258        |               |              | 71                  | 1739          | 0-037         |                     |             |     |    |      |     | ^                |             |     |     |   |
| 259        |               |              | 72                  | 1643          | 0-019         |                     |             |     |    |      |     | ^                |             |     |     |   |
|            |               |              | 73                  | 1193          | 0-043         |                     |             |     |    |      |     | ^                |             |     |     |   |

REMARKS *fine chalcocite associated with native*

# RGC EXPLORATION PTY LTD












DRILL HOLE No

806050

SHEET

14

OF

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |












| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>FFFRX | ASSAY RESULTS | PICTORIAL LOG |            | GRAPHIC LOG |      |     |       |      | GEOLOGY<br>NOTES | SUMMARY LOG                                                           |  |
|------------|---------------|--------------|--------------------|---------------|---------------|------------|-------------|------|-----|-------|------|------------------|-----------------------------------------------------------------------|--|
|            |               |              |                    |               | LITH<br>STRUC | MIN<br>ALT | SIL.        | SER. | PY. | CARB. | CHL. |                  |                                                                       |  |
| 261        |               |              | 57374<br>1141      | 0039          |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 262        |               |              | 75<br>962          | 0036          |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 263        |               |              | 76<br>409          | 0-011         |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 264        |               |              | 77<br>1035         | 0-012         |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 265        |               |              | 78<br>204          | 0-012         |               |            |             |      |     |       |      | ^ ^              | irregular tension gash veins<br>qtz-chlorite-calcite<br>chalcopryrite |  |
| 266        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 267        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 268        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 269        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 270        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 271        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 272        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 273        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 274        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 275        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 276        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              |                                                                       |  |
| 277        |               |              |                    |               |               |            |             |      |     |       |      | ^ ^              | S <sub>1</sub> 50° LCA                                                |  |
| 278        |               |              |                    |               |               |            |             |      |     |       |      |                  | 277.8-279.3. Rhyolite lava?<br>very coarse quartz                     |  |
| 279        |               |              |                    |               |               |            |             |      |     |       |      |                  | 279.3 - 300.4                                                         |  |
| REMARKS    |               |              |                    |               |               |            |             |      |     |       |      |                  |                                                                       |  |

LAF




















LRG

# RGC EXPLORATION PTY LTD

DRILL HOLE No 806057  
GAR 002  
 SHEET 15 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG                                                                       |            | GRAPHIC LOG |      |    |      |     | GEOLOGY<br>NOTES                                 | SUMMARY LOG |
|------------|---------------|--------------|---------------------|---------------|-------------------------------------------------------------------------------------|------------|-------------|------|----|------|-----|--------------------------------------------------|-------------|
|            |               |              |                     |               | LITH<br>STRUC                                                                       | MIN<br>ALT | SiL         | Serp | PY | CARB | CHL |                                                  |             |
| 281        |               |              |                     |               |    |            |             |      |    |      | ^ ^ | zone of thin magnetite-siderite-quartz veins     |             |
| 282        |               |              |                     |               |    |            |             |      |    |      | ^ ^ |                                                  |             |
| 283        |               |              |                     |               |    |            |             |      |    |      | ^ ^ | S <sub>1</sub> variable                          |             |
| 284        |               |              |                     |               |    |            |             |      |    |      | ^ ^ |                                                  |             |
| 285        |               |              |                     |               |   |            |             |      |    |      | ^ ^ |                                                  |             |
| 286        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 287        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 288        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 289        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 290        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 291        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 292        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 293        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 294        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 295        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 296        |               |              |                     |               |  |            |             |      |    |      | ^ ^ | zone of magnetite-apatite quartz carbonate veins |             |
| 297        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 298        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |
| 299        |               |              |                     |               |  |            |             |      |    |      | ^ ^ |                                                  |             |

REMARKS

LAF

# RGC EXPLORATION PTY LTD

DRILL HOLE No 806058  
GAR 002

SHEET 16 OF 17

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- Visible gold

|             |          |
|-------------|----------|
| PROJECT :   |          |
| PROSPECT :  | GARFIELD |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | CORE RECOVERY | CORE QUALITY | SAMPLE NO<br>PREFIX | ASSAY RESULTS | PICTORIAL LOG                       |            | GRAPHIC LOG |     |    |     |     | GEOLOGY<br>NOTES                                                                                                                                                                                                                                     | SUMMARY LOG |  |  |
|------------|---------------|--------------|---------------------|---------------|-------------------------------------|------------|-------------|-----|----|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|--|
|            |               |              |                     |               | LITH<br>STRUC                       | MIN<br>ALT | SIL         | SPR | Py | CHL | CHL |                                                                                                                                                                                                                                                      |             |  |  |
| 301        |               |              |                     |               | [Pictorial Log: Dark textured area] |            |             |     |    |     |     | <p>300.4 - 303.8<br/>rhyolite lava<br/>very coarse quartz<br/>phenocrysts</p> <p>303.8 - 334.5<br/>crystal-rich andesite<br/>with feldspar + ferromag.<br/>phenocrysts.</p> <p>strongly foliated<br/>mylonitic zone.</p> <p>S<sub>1</sub> 65° CA</p> | LRQF        |  |  |
| 302        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 303        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 304        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 305        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 306        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 307        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 308        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 309        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 310        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 311        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 312        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 313        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 314        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 315        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 316        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 317        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 318        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| 319        |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |
| REMARKS    |               |              |                     |               |                                     |            |             |     |    |     |     |                                                                                                                                                                                                                                                      |             |  |  |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 806059  
002

SHEET 17 OF 17

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH                                            | CORE RECOVERY | CORE QUALITY | SAMPLE NO | ASSAY RESULTS | PICTORIAL LOG       |         | GRAPHIC LOG |    |    |      |     | GEOLOGY NOTES | SUMMARY LOG |     |     |   |   |    |  |  |
|-------------------------------------------------------|---------------|--------------|-----------|---------------|---------------------|---------|-------------|----|----|------|-----|---------------|-------------|-----|-----|---|---|----|--|--|
|                                                       |               |              |           |               | LITH STRUC          | MIN ALT | SiL         | GR | PY | CARB | CHL |               |             | 1/8 | 1/2 | 2 | 8 | 32 |  |  |
| 321                                                   |               |              |           |               | [Solid black block] |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 322                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 323                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 324                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 325                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 326                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 327                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 328                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 329                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 330                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 331                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 332                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 333                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| 334                                                   |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |
| <p style="text-align: center;"><i>puggy fault</i></p> |               |              |           |               |                     |         |             |    |    |      |     |               |             |     |     |   |   |    |  |  |

REMARKS

| Sample | depth from | depth to | ANALAB Au<br>ppm GG309 | ANALAB Ag<br>ppm GA101 | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 |
|--------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 37235  | 125.00     | 126.00   | -0.008                 | -2.000                 | 41.000                 | 23.000                 | 116.000                |
| 37236  | 126.00     | 127.00   | -0.008                 | -2.000                 | 11.000                 | 10.000                 | 38.000                 |
| 37237  | 127.00     | 128.00   | -0.008                 | -2.000                 | 4.000                  | -5.000                 | 20.000                 |
| 37238  | 128.00     | 129.00   | -0.008                 | -2.000                 | -4.000                 | -5.000                 | 16.000                 |
| 37239  | 129.00     | 130.00   | -0.008                 | -2.000                 | 5.000                  | -5.000                 | 18.000                 |
| 37240  | 130.00     | 131.00   | -0.008                 | -2.000                 | 5.000                  | 6.000                  | 13.000                 |
| 37241  | 131.00     | 132.00   | -0.008                 | -2.000                 | 39.000                 | -5.000                 | 155.000                |
| 37242  | 132.00     | 133.00   | -0.008                 | -2.000                 | 87.000                 | -5.000                 | 201.000                |
| 37243  | 133.00     | 134.00   | -0.008                 | -2.000                 | 171.000                | -5.000                 | 174.000                |
| 37244  | 134.00     | 135.00   | -0.008                 | -2.000                 | 189.000                | -5.000                 | 170.000                |
| 37245  | 135.00     | 136.00   | 0.011                  | -2.000                 | 744.000                | -5.000                 | 124.000                |
| 37246  | 136.00     | 137.00   | -0.008                 | -2.000                 | 8.000                  | -5.000                 | 15.000                 |
| 37247  | 137.00     | 138.00   | 0.014                  | -2.000                 | 11.000                 | 9.000                  | 29.000                 |
| 37248  | 138.00     | 139.00   | -0.008                 | -2.000                 | 14.000                 | 9.000                  | 27.000                 |
| 37249  | 139.00     | 140.00   | -0.008                 | -2.000                 | 7.000                  | -5.000                 | 37.000                 |
| 37250  | 140.00     | 141.00   | -0.008                 | -2.000                 | 13.000                 | -5.000                 | 37.000                 |
| 37251  | 141.00     | 142.00   | -0.008                 | -2.000                 | 22.000                 | -5.000                 | 46.000                 |
| 37252  | 142.00     | 143.00   | -0.008                 | -2.000                 | 327.000                | -5.000                 | 151.000                |
| 37253  | 143.00     | 144.00   | 0.029                  | -2.000                 | 300.000                | 15.000                 | 977.000                |
| 37254  | 144.00     | 145.00   | 0.026                  | -2.000                 | 730.000                | 49.000                 | 755.000                |
| 37255  | 145.00     | 146.00   | 0.013                  | -2.000                 | 169.000                | 11.000                 | 76.000                 |
| 37256  | 146.00     | 147.00   | 0.013                  | -2.000                 | 99.000                 | 11.000                 | 15.000                 |
| 37257  | 147.00     | 148.00   | 0.012                  | -2.000                 | 20.000                 | 7.000                  | 8.000                  |
| 37258  | 148.00     | 149.00   | -0.008                 | -2.000                 | 118.000                | 6.000                  | 47.000                 |
| 37259  | 149.00     | 150.00   | -0.008                 | -2.000                 | 81.000                 | -5.000                 | 134.000                |
| 37261  | 150.00     | 151.00   | 0.012                  | -2.000                 | 494.000                | -5.000                 | 99.000                 |
| 37262  | 151.00     | 152.00   | 0.010                  | -2.000                 | 778.000                | -5.000                 | 162.000                |
| 37263  | 152.00     | 153.00   | -0.008                 | -2.000                 | 393.000                | -5.000                 | 94.000                 |
| 37264  | 153.00     | 154.00   | 0.038                  | -2.000                 | 885.000                | -5.000                 | 56.000                 |
| 37265  | 154.00     | 155.00   | 0.025                  | -2.000                 | 1725.000               | -5.000                 | 42.000                 |
| 37266  | 155.00     | 156.00   | 0.016                  | -2.000                 | 504.000                | -5.000                 | 28.000                 |
| 37267  | 156.00     | 157.00   | 0.040                  | -2.000                 | 1649.000               | -5.000                 | 26.000                 |
| 37268  | 157.00     | 158.00   | 0.204                  | -2.000                 | 4349.000               | -5.000                 | 75.000                 |
| 37269  | 158.00     | 159.00   | 0.093                  | -2.000                 | 3468.000               | 7.000                  | 59.000                 |
| 37270  | 159.00     | 160.00   | 0.061                  | -2.000                 | 2410.000               | 7.000                  | 80.000                 |
| 37271  | 160.00     | 161.00   | 0.054                  | -2.000                 | 4751.000               | -5.000                 | 104.000                |
| 37272  | 161.00     | 162.00   | 0.046                  | -2.000                 | 3110.000               | -5.000                 | 95.000                 |
| 37273  | 162.00     | 163.00   | 0.016                  | -2.000                 | 1227.000               | -5.000                 | 105.000                |
| 37274  | 163.00     | 164.00   | 0.013                  | -2.000                 | 1691.000               | -5.000                 | 88.000                 |
| 37275  | 164.00     | 165.00   | 0.015                  | -2.000                 | 1852.000               | 5.000                  | 96.000                 |
| 37276  | 165.00     | 166.00   | 0.028                  | -2.000                 | 2452.000               | -5.000                 | 106.000                |

|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 2.000  | 0.000  | 0.000  | 0.000  |
| Method:          | GG309  | GA101  | GA140  | GA140  | GA140  |

000008

| Sample | depth from | depth to | ANALAB Au<br>ppm GG309 | ANALAB Ag<br>ppm GA101 | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 |
|--------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 37277  | 166.00     | 167.00   | -0.008                 | -2.000                 | 1058.000               | -5.000                 | 50.000                 |
| 37278  | 167.00     | 168.00   | -0.008                 | -2.000                 | 1290.000               | -5.000                 | 59.000                 |
| 37279  | 168.00     | 169.00   | -0.008                 | -2.000                 | 1509.000               | -5.000                 | 64.000                 |
| 37280  | 169.00     | 170.00   | 0.012                  | -2.000                 | 1682.000               | -5.000                 | 52.000                 |
| 37281  | 170.00     | 171.00   | 0.011                  | -2.000                 | 1222.000               | -5.000                 | 64.000                 |
| 37282  | 171.00     | 172.00   | 0.014                  | -2.000                 | 849.000                | -5.000                 | 51.000                 |
| 37283  | 172.00     | 173.00   | 0.012                  | -2.000                 | 596.000                | -5.000                 | 50.000                 |
| 37284  | 173.00     | 174.00   | -0.008                 | -2.000                 | 530.000                | -5.000                 | 50.000                 |
| 37285  | 174.00     | 175.00   | -0.008                 | -2.000                 | 308.000                | -5.000                 | 46.000                 |
| 37286  | 175.00     | 176.00   | 0.038                  | -2.000                 | 1671.000               | -5.000                 | 55.000                 |
| 37287  | 176.00     | 177.00   | 0.029                  | -2.000                 | 708.000                | -5.000                 | 76.000                 |
| 37288  | 177.00     | 178.00   | 0.018                  | -2.000                 | 729.000                | -5.000                 | 93.000                 |
| 37289  | 178.00     | 179.00   | 0.019                  | -2.000                 | 903.000                | -5.000                 | 95.000                 |
| 37290  | 179.00     | 180.00   | 0.025                  | -2.000                 | 1123.000               | -5.000                 | 91.000                 |
| 37291  | 180.00     | 181.00   | 0.032                  | -2.000                 | 796.000                | -5.000                 | 102.000                |
| 37292  | 181.00     | 182.00   | 0.022                  | -2.000                 | 542.000                | -5.000                 | 54.000                 |
| 37293  | 182.00     | 183.00   | 0.033                  | -2.000                 | 521.000                | -5.000                 | 74.000                 |
| 37294  | 183.00     | 184.00   | 0.038                  | -2.000                 | 1050.000               | -5.000                 | 89.000                 |
| 37295  | 184.00     | 185.00   | 0.033                  | -2.000                 | 1094.000               | -5.000                 | 66.000                 |
| 37296  | 185.00     | 186.00   | 0.049                  | -2.000                 | 1339.000               | -5.000                 | 58.000                 |
| 37297  | 186.00     | 187.00   | 0.035                  | -2.000                 | 1290.000               | -5.000                 | 55.000                 |
| 37298  | 187.00     | 188.00   | 0.061                  | -2.000                 | 1365.000               | -5.000                 | 47.000                 |
| 37299  | 188.00     | 189.00   | 0.070                  | -2.000                 | 1157.000               | -5.000                 | 104.000                |
| 37300  | 189.00     | 190.00   | 0.022                  | -2.000                 | 626.000                | -5.000                 | 108.000                |
| 37301  | 190.00     | 191.00   | 0.033                  | -2.000                 | 1292.000               | -5.000                 | 95.000                 |
| 37302  | 191.00     | 192.00   | 0.050                  | -2.000                 | 1351.000               | -5.000                 | 70.000                 |
| 37303  | 192.00     | 193.00   | 0.086                  | -2.000                 | 838.000                | -5.000                 | 53.000                 |
| 37304  | 193.00     | 194.00   | 0.049                  | -2.000                 | 613.000                | -5.000                 | 69.000                 |
| 37306  | 194.00     | 195.00   | 0.031                  | -2.000                 | 1041.000               | -5.000                 | 103.000                |
| 37307  | 195.00     | 196.00   | 0.035                  | -2.000                 | 1244.000               | -5.000                 | 85.000                 |
| 37308  | 196.00     | 197.00   | 0.027                  | -2.000                 | 681.000                | -5.000                 | 65.000                 |
| 37309  | 197.00     | 198.00   | 0.021                  | -2.000                 | 612.000                | -5.000                 | 73.000                 |
| 37310  | 198.00     | 199.00   | 0.019                  | -2.000                 | 550.000                | 6.000                  | 53.000                 |
| 37311  | 199.00     | 200.00   | 0.008                  | -2.000                 | 294.000                | 12.000                 | 56.000                 |
| 37312  | 200.00     | 201.00   | 0.088                  | -2.000                 | 4837.000               | 6.000                  | 89.000                 |
| 37313  | 201.00     | 202.00   | 0.242                  | -2.000                 | 5194.000               | -5.000                 | 76.000                 |
| 37314  | 202.00     | 203.00   | 0.147                  | -2.000                 | 5027.000               | 8.000                  | 115.000                |
| 37315  | 203.00     | 204.00   | 0.118                  | -2.000                 | 5117.000               | 12.000                 | 101.000                |
| 37316  | 204.00     | 205.00   | 0.147                  | -2.000                 | 4806.000               | 7.000                  | 113.000                |
| 37317  | 205.00     | 206.00   | 0.196                  | -2.000                 | 5688.000               | 8.000                  | 138.000                |
| 37318  | 206.00     | 207.00   | 0.098                  | -2.000                 | 2961.000               | 9.000                  | 111.000                |

|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 2.000  | 0.000  | 0.000  | 0.000  |
| Method:          | GG309  | GA101  | GA140  | GA140  | GA140  |

806061

| sample | depth from | depth to | ANALAB Au<br>ppm GG309 | ANALAB Ag<br>ppm GA101 | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 |
|--------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 37319  | 207.00     | 208.00   | 0.099                  | -2.000                 | 4644.000               | 7.000                  | 95.000                 |
| 37320  | 208.00     | 209.00   | 0.089                  | -2.000                 | 2919.000               | -5.000                 | 87.000                 |
| 37321  | 209.00     | 210.00   | 0.072                  | -2.000                 | 2322.000               | -5.000                 | 94.000                 |
| 37322  | 210.00     | 211.00   | 0.140                  | -2.000                 | 5974.000               | -5.000                 | 124.000                |
| 37323  | 211.00     | 212.00   | 0.214                  | -2.000                 | 7289.000               | 17.000                 | 156.000                |
| 37324  | 212.00     | 213.00   | 0.093                  | -2.000                 | 5519.000               | 25.000                 | 225.000                |
| 37325  | 213.00     | 214.00   | 0.087                  | -2.000                 | 4967.000               | 59.000                 | 219.000                |
| 37326  | 214.00     | 215.00   | 0.114                  | -2.000                 | 3636.000               | 24.000                 | 157.000                |
| 37327  | 215.00     | 216.00   | 0.115                  | -2.000                 | 4585.000               | -5.000                 | 141.000                |
| 37328  | 216.00     | 217.00   | 0.147                  | -2.000                 | 4074.000               | 5.000                  | 148.000                |
| 37329  | 217.00     | 218.00   | 1.160                  | -2.000                 | 25300.000              | -5.000                 | 121.000                |
| 37331  | 218.00     | 219.00   | 0.407                  | -2.000                 | 16400.000              | 35.000                 | 145.000                |
| 37332  | 219.00     | 220.00   | 0.050                  | -2.000                 | 2608.000               | 14.000                 | 111.000                |
| 37333  | 220.00     | 221.00   | 0.084                  | -2.000                 | 1528.000               | -5.000                 | 82.000                 |
| 37334  | 221.00     | 222.00   | 0.024                  | -2.000                 | 1448.000               | -5.000                 | 84.000                 |
| 37335  | 222.00     | 223.00   | 0.098                  | -2.000                 | 1729.000               | 13.000                 | 66.000                 |
| 37336  | 223.00     | 224.00   | 0.008                  | -2.000                 | 520.000                | 7.000                  | 100.000                |
| 37337  | 224.00     | 225.00   | 0.034                  | -2.000                 | 1199.000               | 5.000                  | 132.000                |
| 37338  | 225.00     | 226.00   | 0.044                  | -2.000                 | 1357.000               | 8.000                  | 138.000                |
| 37339  | 226.00     | 227.00   | 0.036                  | -2.000                 | 1210.000               | -5.000                 | 106.000                |
| 37340  | 227.00     | 228.00   | 0.075                  | -2.000                 | 2259.000               | -5.000                 | 89.000                 |
| 37341  | 228.00     | 229.00   | 0.105                  | -2.000                 | 3128.000               | -5.000                 | 82.000                 |
| 37342  | 229.00     | 230.00   | 0.074                  | -2.000                 | 1840.000               | -5.000                 | 55.000                 |
| 37343  | 230.00     | 231.00   | 0.114                  | -2.000                 | 2625.000               | -5.000                 | 44.000                 |
| 37344  | 231.00     | 232.00   | 0.027                  | -2.000                 | 1642.000               | -5.000                 | 39.000                 |
| 37345  | 232.00     | 233.00   | 0.115                  | -2.000                 | 3609.000               | -5.000                 | 54.000                 |
| 37346  | 233.00     | 234.00   | 0.124                  | -2.000                 | 4039.000               | 11.000                 | 95.000                 |
| 37347  | 234.00     | 235.00   | 0.039                  | -2.000                 | 1728.000               | 33.000                 | 132.000                |
| 37348  | 235.00     | 236.00   | 0.036                  | -2.000                 | 2371.000               | 27.000                 | 125.000                |
| 37349  | 236.00     | 237.00   | 0.021                  | -2.000                 | 2275.000               | -5.000                 | 98.000                 |
| 37350  | 237.00     | 238.00   | 0.012                  | -2.000                 | 3236.000               | -5.000                 | 78.000                 |
| 37351  | 238.00     | 239.00   | 0.014                  | -2.000                 | 3085.000               | 7.000                  | 53.000                 |
| 37352  | 239.00     | 240.00   | 0.016                  | -2.000                 | 2866.000               | 7.000                  | 71.000                 |
| 37353  | 240.00     | 241.00   | 0.010                  | -2.000                 | 2377.000               | 16.000                 | 92.000                 |
| 37354  | 241.00     | 242.00   | 0.012                  | -2.000                 | 1335.000               | 10.000                 | 149.000                |
| 37356  | 242.00     | 243.00   | 0.021                  | -2.000                 | 2141.000               | 21.000                 | 189.000                |
| 37357  | 243.00     | 244.00   | 0.017                  | -2.000                 | 2177.000               | 43.000                 | 155.000                |
| 37358  | 244.00     | 245.00   | 0.015                  | -2.000                 | 2308.000               | 33.000                 | 135.000                |
| 37359  | 245.00     | 246.00   | 0.025                  | -2.000                 | 3355.000               | 49.000                 | 107.000                |
| 37360  | 246.00     | 247.00   | 0.037                  | -2.000                 | 2897.000               | 8.000                  | 80.000                 |
| 37361  | 247.00     | 248.00   | 0.025                  | -2.000                 | 2755.000               | 11.000                 | 111.000                |

|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 2.000  | 0.000  | 0.000  | 0.000  |
| Method:          | GG309  | GA101  | GA140  | GA140  | GA140  |

806062

| Sample | depth from | depth to | ANALAB Au<br>ppm G6309 | ANALAB Ag<br>ppm GA101 | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 |
|--------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 37362  | 248.00     | 249.00   | 0.072                  | -2.000                 | 3614.000               | 9.000                  | 115.000                |
| 37363  | 249.00     | 250.00   | 0.289                  | -2.000                 | 5664.000               | -5.000                 | 94.000                 |
| 37364  | 250.00     | 251.00   | 0.080                  | -2.000                 | 2675.000               | 5.000                  | 93.000                 |
| 37365  | 251.00     | 252.00   | 0.055                  | -2.000                 | 2579.000               | 9.000                  | 99.000                 |
| 37366  | 252.00     | 253.00   | 0.086                  | -2.000                 | 2186.000               | -5.000                 | 143.000                |
| 37367  | 253.00     | 254.00   | 0.017                  | -2.000                 | 630.000                | 15.000                 | 125.000                |
| 37368  | 254.00     | 255.00   | 0.047                  | -2.000                 | 1308.000               | 22.000                 | 141.000                |
| 37369  | 255.00     | 256.00   | 0.109                  | -2.000                 | 2934.000               | -5.000                 | 182.000                |
| 37370  | 256.00     | 257.00   | 0.126                  | -2.000                 | 4878.000               | -5.000                 | 192.000                |
| 37371  | 257.00     | 258.00   | 0.037                  | -2.000                 | 1739.000               | 30.000                 | 133.000                |
| 37372  | 258.00     | 259.00   | 0.049                  | -2.000                 | 1643.000               | 32.000                 | 73.000                 |
| 37373  | 259.00     | 260.00   | 0.043                  | -2.000                 | 1195.000               | 12.000                 | 99.000                 |
| 37374  | 260.00     | 261.00   | 0.039                  | -2.000                 | 1141.000               | -5.000                 | 73.000                 |
| 37375  | 261.00     | 262.00   | 0.036                  | -2.000                 | 952.000                | -5.000                 | 73.000                 |
| 37376  | 262.00     | 263.00   | 0.011                  | -2.000                 | 409.000                | -5.000                 | 106.000                |
| 37377  | 263.00     | 264.00   | 0.012                  | -2.000                 | 1035.000               | 9.000                  | 151.000                |
| 37378  | 264.00     | 265.00   | 0.012                  | -2.000                 | 204.000                | 11.000                 | 160.000                |

|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection limit: | 0.000  | 2.000  | 0.000  | 0.000  | 0.000  |
| Method:          | G6309  | GA101  | GA140  | GA140  | GA140  |

806063

## RGC EXPLORATION DRILL HOLE RECORD

|             |              |             |                |
|-------------|--------------|-------------|----------------|
| HOLE NUMBER | GAR 003      | DRILLED BY  | D. D. TASMANIA |
| PROJECT     |              | NORTHING    | 324811         |
| PROSPECT    | GARFIELD     | EASTING     | 379972         |
| DESIGNED BY | S. W. HALLEY | RL          | 314            |
| LOGGED BY   | S. W. HALLEY | INCLINATION | -68            |
| COMMENCED   | 17/11/94     | AZIMUTH     | 54             |
| FINISHED    | 27/11/94     | EOH         | 250.3          |

### PURPOSE

|                                                      |
|------------------------------------------------------|
| THIS HOLE WAS DESIGNED TO TEST THE Cu MINERALIZATION |
| 200m ALONG STRIKE TO THE NORTH FROM GAR 001          |
|                                                      |
|                                                      |

### SURVEY DATA

| DEPTH | INC.  | AZL  | DEPTH | INC.  | AZL | DEPTH | INC. | AZL |
|-------|-------|------|-------|-------|-----|-------|------|-----|
| 0     | -68.0 | 54   | 217   | -51.5 | 62  |       |      |     |
| 30    | -67.3 | 56.5 | 247   | -46   | 64  |       |      |     |
| 60    | -68   | 56   |       |       |     |       |      |     |
| 90    | -63.6 | 55   |       |       |     |       |      |     |
| 120   | -61.3 | 57.5 |       |       |     |       |      |     |
| 147   | -59.9 | 58   |       |       |     |       |      |     |
| 184   | -55   | 61   |       |       |     |       |      |     |

### DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| TRICONE   | 1     |          |
| HQ        | 80.9  |          |
| NQ        | 250.3 |          |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ⋯ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 1 OF           

|                                       |
|---------------------------------------|
| PROJECT : <u>                    </u> |
| PROSPECT : <u>GARFIELD</u>            |
| DATE : <u>12/12/94</u>                |
| LOGGED BY : <u>S.W. HALLEY</u>        |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.      | GRAPHIC LOG | ALTERATION |      |     |       |      | GEOLOGY NOTES                | SUMMARY |            |
|------------|---------------------|---------------|--------------|-------------|------------|------|-----|-------|------|------------------------------|---------|------------|
|            |                     |               |              |             | SIL.       | SER. | PY. | SARB. | CHL. |                              | ROCK    | ALTERATION |
| 1          |                     |               |              | └           |            |      |     |       |      | 0-2<br>TRICONE               |         |            |
| 2          |                     |               |              | └           |            |      |     |       |      | 2- 33-5                      |         |            |
| 3          |                     |               |              | └           |            |      |     |       |      | very fine grained            |         |            |
| 4          |                     |               |              | └           |            |      |     |       |      | homogeneous lava with        |         |            |
| 5          |                     |               |              | └           |            |      |     |       |      | sparse feldspar pheno's      |         |            |
| 6          |                     |               |              | └           |            |      |     |       |      | to 1 mm.                     |         |            |
| 7          |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 8          |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 9          |                     |               | VEIN<br>VEIN | └           |            |      |     |       |      |                              |         |            |
| 10         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 11         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 12         |                     |               | VEIN         | └           |            |      |     |       |      | quartz - limonite (after py) |         |            |
| 13         |                     |               |              | └           |            |      |     |       |      | veins                        | LDF     |            |
| 14         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 15         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 16         |                     |               | VEIN         | └           |            |      |     |       |      |                              |         |            |
| 17         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 18         |                     |               |              | └           |            |      |     |       |      |                              |         |            |
| 19         |                     |               |              | └           |            |      |     |       |      |                              |         |            |

REMARKS 806065

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 2 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ⊠ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |       |      | GEOLOGY NOTES                                                                                         | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|-------|------|-------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PY. | CARB. | CHL. |                                                                                                       | ROCK    | ALTERATION |
| 21         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 22         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 23         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 24         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 25         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 26         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 27         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 28         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 29         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 30         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 31         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 32         |                     |               |         | └           |            |      |     |       |      |                                                                                                       |         |            |
| 33         |                     |               | CONTACT | └           |            |      |     |       |      |                                                                                                       |         |            |
| 34         |                     |               |         | ▨           |            |      |     |       |      | 33.5 - 42.5<br>quartz-feldspar phyric<br>volcanoclastic with sparse<br>coarse lithics<br>(up to 5 cm) |         |            |
| 35         |                     |               |         | ▨           |            |      |     |       |      |                                                                                                       |         |            |
| 36         |                     |               |         | ▨           |            |      |     |       |      |                                                                                                       |         |            |
| 37         |                     |               |         | ▨           |            |      |     |       |      |                                                                                                       |         |            |
| 38         |                     |               |         | ▨           |            |      |     |       |      |                                                                                                       |         |            |
| 39         |                     |               |         | ▨           |            |      |     |       |      |                                                                                                       |         |            |

REMARKS

800000

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 3 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ⋯ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |












| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG     | ALTERATION |      |     |     |          | GEOLOGY NOTES                                                                                | SUMMARY |            |
|------------|---------------------|---------------|---------|-----------------|------------|------|-----|-----|----------|----------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |                 | SIL.       | SER. | PT. | LAB | CHLORITE |                                                                                              | ROCK    | ALTERATION |
| 41         |                     |               |         | S <sub>1</sub>  |            |      |     |     |          | ~ base of weathering                                                                         |         |            |
| 42         |                     |               |         | CONTACT         |            |      |     |     |          |                                                                                              |         |            |
| 43         |                     |               |         | ▲ ▲ ▲           |            |      |     |     |          | 42.5-43.6<br>crystal-rich andesite<br>faulted lower contact                                  | LAF     |            |
| 44         |                     |               |         | ~               |            |      |     |     |          | 43.6-56.0<br>volcaniclastic with sparse<br>coarse lithics                                    |         |            |
| 45         |                     |               |         | ▨               |            |      |     |     |          | quite leached and pitted.<br>occasional 'blebs' of pyrite                                    |         |            |
| 46         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 47         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 48         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 49         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 50         |                     |               |         | S <sub>1</sub>  |            |      |     |     |          |                                                                                              | VR > M  |            |
| 51         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 52         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 53         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 54         |                     |               |         | faulted contact |            |      |     |     |          | 54.0-79.2                                                                                    |         |            |
| 55         |                     |               |         | ▲ ▲ ▲           |            |      |     |     |          | 55-58.8 fault zone with<br>cataclasite +<br>55.8-56.6 cataclasite<br>brittle puggy<br>zones. | LAF     | 03         |
| 56         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 57         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 58         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |
| 59         |                     |               |         | ▨               |            |      |     |     |          |                                                                                              |         |            |

REMARKS 806007

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 4 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |    | STRUCT.          | GRAPHIC LOG | ALTERATION |      |     |       |          | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|----|------------------|-------------|------------|------|-----|-------|----------|---------------|---------|------------|
|            |                     | Cu            | Au |                  |             | SIL.       | SER. | PY. | CARB. | CHLORITE |               | ROCK    | ALTERATION |
| 61         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 62         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 63         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 64         |                     |               |    | [Cross-hatched]  | ^ ^         |            |      |     |       |          |               |         |            |
| 65         |                     |               |    | [Cross-hatched]  | ^ ^         |            |      |     |       |          |               |         |            |
| 66         |                     |               |    | [Cross-hatched]  | ^ ^         |            |      |     |       |          |               |         |            |
| 67         |                     |               |    | [Cross-hatched]  | ^ ^         |            |      |     |       |          |               |         |            |
| 68         |                     |               |    | [Cross-hatched]  | ^ ^         |            |      |     |       |          |               |         |            |
| 69         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 70         |                     |               |    | / S <sub>1</sub> | ^ ^         |            |      |     |       |          |               |         |            |
| 71         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 72         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 73         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 74         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 75         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 76         |                     |               |    |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 77         |                     |               |    | / S <sub>1</sub> | ^ ^         |            |      |     |       |          |               |         |            |
| 78         | 43009               | 206           | -  |                  | ^ ^         |            |      |     |       |          |               |         |            |
| 78         | 43010               | 90            | -  |                  | ^           |            |      |     |       |          |               |         |            |
| 79         | 43011               | 161           | -  | / S <sub>1</sub> | ^ ^         |            |      |     |       |          |               |         |            |

LAF

79-2 - 92-1

REMARKS 800000

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 5 OF       

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |       | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |       |          | GEOLOGY NOTES | SUMMARY      |          |      |
|------------|---------------------|---------------|-------|---------|-------------|------------|------|-----|-------|----------|---------------|--------------|----------|------|
|            |                     | Cu            | Ag    |         |             | SIL.       | SER. | PY. | CARB. | CHLORITE |               | CHALCOPYRITE | HEMATITE | ROCK |
| 81         | 43012               | 21            | -     |         |             |            |      |     |       |          |               |              |          |      |
| 82         | 013                 | 23            | 0.011 |         |             |            |      |     |       |          |               |              |          |      |
| 83         | 014                 | 54            | -     |         |             |            |      |     |       |          |               |              |          |      |
| 84         | 015                 | 643           | 0.016 |         |             |            |      |     |       |          |               |              |          |      |
| 85         | 016                 | 787           | 0.028 |         |             |            |      |     |       |          |               |              |          |      |
| 86         | 017                 | 356           | 0.017 |         |             |            |      |     |       |          |               |              |          |      |
| 87         | 018                 | 1349          | 0.009 |         |             |            |      |     |       |          |               |              |          |      |
| 88         | 019                 | 252           | -     |         |             |            |      |     |       |          |               |              |          |      |
| 89         | 021                 | 582           | 0.013 |         |             |            |      |     |       |          |               |              |          |      |
| 90         | 022                 | 977           | 0.041 |         |             |            |      |     |       |          |               |              |          |      |
| 91         | 023                 | 427           | 0.065 |         |             |            |      |     |       |          |               |              |          |      |
| 92         | 024                 | 447           | 0.054 |         |             |            |      |     |       |          |               |              |          |      |
| 93         | 025                 | 447           | -     |         |             |            |      |     |       |          |               |              |          |      |
| 94         | 026                 | 260           | 0.009 |         |             |            |      |     |       |          |               |              |          |      |
| 95         | 027                 | 292           | 0.010 |         |             |            |      |     |       |          |               |              |          |      |
| 96         | 028                 | 219           | -     |         |             |            |      |     |       |          |               |              |          |      |
| 97         | 029                 | 195           | -     |         |             |            |      |     |       |          |               |              |          |      |
| 98         | 030                 | 481           | -     |         |             |            |      |     |       |          |               |              |          |      |
| 99         | 031                 | 177           | 0.011 |         |             |            |      |     |       |          |               |              |          |      |
|            | 032                 | 79            | 0.008 |         |             |            |      |     |       |          |               |              |          |      |

92-1 -  
 fine-flecked phenocryst-rich andesite.  
 The chlorite alteration becomes more intense beyond 97 m and overprints the texture.  
 Py-carb-hem veins  
 moderately magnetitic  
 hematite replacing magnetite?

VR > M  
 SQ P 7  
 LAF  
 LAF  
 OS 5  
 OP 7












**REMARKS**

800003

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

SHEET 6 OF \_\_\_\_\_

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |       | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |        |          |        | GEOLOGY NOTES | SUMMARY |            |     |
|------------|---------------------|---------------|-------|---------|-------------|------------|------|-----|--------|----------|--------|---------------|---------|------------|-----|
|            |                     |               |       |         |             | SIL.       | SER. | PY. | CHALC. | HEMATITE | CHALC. |               | ROCK    | ALTERATION |     |
| 101        | 033                 | 169           | 0.008 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 102        | 034                 | 139           | 0.010 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 103        | 035                 | 81            | -     |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 104        | 036                 | 171           | -     |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 105        | 037                 | 123           | -     |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 106        | 038                 | 894           | 0.012 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 107        | 039                 | 1162          | 0.028 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 108        | 041                 | 1158          | 0.034 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 109        | 042                 | 441           | 0.025 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 110        | 043                 | 732           | 0.036 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 111        | 044                 | 351           | 0.014 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 112        | 045                 | 649           | 0.030 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 113        | 046                 | 911           | 0.033 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 114        | 047                 | 531           | 0.028 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 115        | 048                 | 616           | 0.037 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 116        | 049                 | 454           | 0.027 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 117        | 050                 | 1187          | 0.052 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 118        | 051                 | 1162          | 0.047 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 119        | 052                 | 355           | 0.014 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| 119        | 053                 | 1853          | 0.082 |         |             |            |      |     |        |          |        |               |         |            | OP7 |
| REMARKS    |                     |               |       |         |             |            |      |     |        |          |        |               | 800000  |            |     |

106.0 - 125.3  
mineralized polymict breccia

VEIN

S<sub>1</sub>

S<sub>1</sub>

VR&C

SC7

- Bedding
- ⊥ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ⊠ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |       | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |      |           |        | GEOLOGY NOTES | SUMMARY |            |  |
|------------|---------------------|---------------|-------|----------------|-------------|------------|------|-----|------|-----------|--------|---------------|---------|------------|--|
|            |                     | W             | Au    |                |             | SIL.       | SER. | PH. | CHL. | MAGNETITE | CHALC. |               | ROCK    | ALTERATION |  |
| 121        | 4054                | 1240          | 0.043 |                | ▨           |            |      |     |      |           |        |               |         |            |  |
| 122        | 055                 | 830           | 0.034 |                | ▨           |            |      |     |      |           |        |               |         |            |  |
| 123        | 056                 | 262           | 0.017 |                | ▨           |            |      |     |      |           |        |               |         |            |  |
| 124        | 057                 | 454           | 0.019 |                | ▨           |            |      |     |      |           |        |               |         |            |  |
| 125        | 058                 | 1506          | 0.039 |                | ▨           |            |      |     |      |           |        |               |         |            |  |
| 126        | 059                 | 767           | 0.022 |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 127        | 061                 | 3333          | 0.157 | S <sub>1</sub> | ▲           |            |      |     |      |           |        |               |         |            |  |
| 128        | 062                 | 719           | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 129        | 063                 | 52            | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 130        | 064                 | 57            | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 131        | 065                 | 250           | -     | S <sub>1</sub> | ▲           |            |      |     |      |           |        |               |         |            |  |
| 132        | 066                 | 558           | 0.071 |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 133        | 067                 | 317           | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 134        | 068                 | 115           | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 135        | 069                 | 389           | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 136        | 070                 | 146           | 0.009 | VEIN           | ▲           |            |      |     |      |           |        |               |         |            |  |
| 137        | 071                 | 66            | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 138        | 072                 | 61            | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 139        | 073                 | 70            | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |
| 139        | 074                 | 176           | -     |                | ▲           |            |      |     |      |           |        |               |         |            |  |

125-3 -  
 feldspar phyric andesite  
 variably altered, where  
 it is weakly altered, pheno's  
 are replaced by white  
 sericite, with a chloritized  
 g'mass. There are also  
 zones of texture-  
 destructive chlorite-magnetite  
 alteration. In the best  
 mineralised zone, the  
 pheno's are chloritized  
 and the g'mass is  
 sericitized.

LAF 03  
07

REMARKS 806071

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

SHEET 8 OF           

|             |             |
|-------------|-------------|
| PROJECT :   |             |
| PROSPECT :  | GARFIELD    |
| DATE :      | 13/12/94    |
| LOGGED BY : | S.W. HALLEY |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |      |          |           | GEOLOGY NOTES | SUMMARY |      |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|------|----------|-----------|---------------|---------|------|
|            |                     |               |         |             | SIL.       | SER. | PY. | CARB | CHLORITE | MAGNETITE |               | CHALCO. | ROCK |
| 141        | 43075               | 548 -         |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 142        | 076                 | 1464 0.023    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 143        | 077                 | 8195 0.381    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 144        | 078                 | 6434 0.219    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 145        | 079                 | 4516 0.197    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 146        | 081                 | 2244 0.045    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 147        | 082                 | 3106 0.056    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 148        | 083                 | 1583 -        |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 149        | 084                 | 1952 -        |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 150        | 085                 | 3918 0.038    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 151        | 086                 | 5871 0.163    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 152        | 087                 | 8553 0.335    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 153        | 088                 | 6148 0.271    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 154        | 089                 | 1.44 0.575    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 155        | 090                 | 2.41 0.950    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 156        | 091                 | 150 0.447     |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 157        | 092                 | 1.47 0.397    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 158        | 093                 | 1.15 0.222    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
| 159        | 094                 | 1.66 0.680    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |
|            | 095                 | 7230 0.221    |         | ^ ^ ^       |            |      |     |      |          |           |               |         |      |

LAF 0517  
SOP7

REMARKS F = fluorite in carbonate veins  
A = apatite vein ± magnetite

800072

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 9 OF           

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- \* Visible gold

|                            |
|----------------------------|
| PROJECT :                  |
| PROSPECT : <u>GARFIELD</u> |
| DATE : <u>13/12/94</u>     |
| LOGGED BY :                |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |       |          |           | GEOLOGY NOTES | SUMMARY |      |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|-------|----------|-----------|---------------|---------|------|
|            |                     |               |                |             | SIL.       | SER. | PY. | CARB. | CHALCITE | MAGNETITE |               | CHALCO. | ROCK |
| 161        | 43096               | 1.32 0.382    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 162        | 097                 | 3358 0.116    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 163        | 098                 | 2.05 0.707    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 164        | 099                 | 1987 0.018    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 165        | 38501               | 2448 0.040    | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 166        | 02                  | 3058 0.116    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 167        | 03                  | 2115 0.067    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 168        | 04                  | 1636 0.053    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 169        | 05                  | 1785 0.076    | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 170        | 06                  | 1809 0.068    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 171        | 07                  | 1744 0.085    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 172        | 08                  | 1766 0.084    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 173        | 09                  | 2384 0.098    | VEIN           | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 174        | 10                  | 441 -         |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 175        | 11                  | 552 0.013     |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 176        | 12                  | 425 0.008     |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 177        | 13                  | 871 0.018     | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 178        | 14                  | 1403 0.041    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
| 179        | 15                  | 1582 0.029    |                | ^ ^ ^       |            |      |     |       |          |           |               |         |      |
|            | 16                  | 219 0.099     | CONTACT        | ^ ^ ^       |            |      |     |       |          |           |               |         |      |

REMARKS

806073

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 10 OF \_\_\_\_\_

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |       | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |           |           | GEOLOGY NOTES                                                                                                                                                                                             | SUMMARY |      |
|------------|---------------------|---------------|-------|----------------|-------------|------------|------|-----|-----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|
|            |                     |               |       |                |             | SIL.       | SER. | PY. | CHLORITIS | MAGNETITE |                                                                                                                                                                                                           | CHALCO. | ROCK |
| 181        | 8357                | 583           | 0.018 |                | ▨           |            |      |     |           |           | 180.0 - 192.4<br>volcanoclastic with<br>coarse qtz phono's and<br>domains of wispy pale<br>green sericite (flattened<br>and altered pumice clasts?)<br><br>the magnetite is partly<br>altered to hematite |         |      |
| 182        | 18                  | 58            | 0.008 |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 183        | 14                  | 106           | -     |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 184        | 21                  | 144           | -     | vein           | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 185        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 186        |                     |               |       | S <sub>1</sub> | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 187        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 188        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 189        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 190        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 191        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 192        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 193        |                     |               |       | S <sub>1</sub> | ▲           |            |      |     |           |           | 192.4 - 193.7<br>andesite with magnetite phono's.                                                                                                                                                         | LAF     |      |
| 194        |                     |               |       |                | ▨           |            |      |     |           |           | 193.7 - 195.7                                                                                                                                                                                             |         |      |
| 195        |                     |               |       |                | ▨           |            |      |     |           |           |                                                                                                                                                                                                           | VRQC    |      |
| 196        |                     |               |       |                | ▨           |            |      |     |           |           | 195.7 - 200.3                                                                                                                                                                                             |         |      |
| 197        |                     |               |       |                | ▲           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 198        |                     |               |       |                | ▲           |            |      |     |           |           |                                                                                                                                                                                                           |         |      |
| 199        |                     |               |       | VEINS          | ▲           |            |      |     |           |           |                                                                                                                                                                                                           |         | LAF  |

REMARKS

806074

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 11 OF           

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>13/12/94</u>         |
| LOGGED BY : <u>S.W. HALLEY</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG   | ALTERATION |      |     |       |                                                            | GEOLOGY NOTES                                                     | SUMMARY   |        |
|------------|---------------------|---------------|----------------|---------------|------------|------|-----|-------|------------------------------------------------------------|-------------------------------------------------------------------|-----------|--------|
|            |                     |               |                |               | SIL.       | SER. | PT. | CARB. | CLAYETS                                                    |                                                                   | MAGNETITE | CHALCO |
| 201        |                     |               | VEIN           | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   | VRQC      |        |
| 202        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            | 201.3 - 250.3<br>pale green sericitic<br>pumiceous volcanoclastic |           |        |
| 203        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 204        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 205        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       | 202 - 205 streaks of<br>green sericite in a pink<br>matrix |                                                                   |           |        |
| 206        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 207        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 208        |                     |               | S <sub>1</sub> | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 209        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 210        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 211        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 212        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 213        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 214        |                     |               | S <sub>1</sub> | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 215        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 216        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 217        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 218        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| 219        |                     |               |                | 1 4 1 4 16 32 |            |      |     |       |                                                            |                                                                   |           |        |
| REMARKS    |                     |               |                |               |            |      |     |       |                                                            |                                                                   |           |        |
| 806075     |                     |               |                |               |            |      |     |       |                                                            |                                                                   |           |        |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

SHEET 12 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |                 |
|-------------|-----------------|
| PROJECT :   |                 |
| PROSPECT :  |                 |
| DATE :      | <u>13/12/94</u> |
| LOGGED BY : |                 |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG                | ALTERATION | GEOLOGY NOTES                          | SUMMARY |            |
|------------|---------------------|---------------|----------------|----------------------------|------------|----------------------------------------|---------|------------|
|            |                     |               |                |                            |            |                                        | ROCK    | ALTERATION |
| 221        |                     |               |                | 16<br>1<br>1<br>4<br>11 12 |            |                                        |         |            |
| 222        |                     |               |                |                            |            |                                        |         |            |
| 223        |                     |               |                |                            |            |                                        |         |            |
| 224        |                     |               |                |                            |            |                                        |         |            |
| 225        |                     |               | S <sub>1</sub> |                            |            |                                        |         |            |
| 226        |                     |               |                |                            |            |                                        |         |            |
| 227        |                     |               |                |                            |            |                                        |         |            |
| 228        |                     |               |                |                            |            |                                        |         |            |
| 229        |                     |               |                |                            |            |                                        |         |            |
| 230        |                     |               |                |                            |            |                                        |         |            |
| 231        |                     |               | VEIN           |                            | ■          |                                        |         |            |
| 232        |                     |               |                |                            |            |                                        |         |            |
| 233        |                     |               |                |                            |            |                                        |         |            |
| 234        |                     |               | S <sub>1</sub> |                            |            |                                        |         |            |
| 235        |                     |               |                |                            |            |                                        |         |            |
| 236        |                     |               |                | ⊗ / ⊗                      |            | 235-4 -236-2<br>f.g. amygdaloidal lava |         |            |
| 237        |                     |               |                |                            |            |                                        |         |            |
| 238        |                     |               |                |                            |            |                                        |         |            |
| 239        |                     |               |                |                            |            |                                        |         |            |

VRQC  
S7

LRF

REMARKS

806076

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 003

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

SHEET 13 OF       

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>13/12/94</u>         |
| LOGGED BY : <u>S.W. HALLEY</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |   |   |    |    |     | ALTERATION |    |   |   | GEOLOGY NOTES | SUMMARY |   |      |
|------------|---------------------|---------------|---------|-------------|---|---|----|----|-----|------------|----|---|---|---------------|---------|---|------|
|            |                     |               |         | 1           | 1 | 4 | 16 | 32 | SIL | SER        | PY |   |   |               |         |   | ROCK |
| 241        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 242        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 243        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 244        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 245        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 246        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 247        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 248        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 249        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |
| 250        |                     |               |         | ▨           | ▨ | ▨ | ▨  | ▨  | ▨   | ▨          | ▨  | ▨ | ▨ | ▨             | ▨       | ▨ | ▨    |

VRQC  
S7

REMARKS

806077

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

Page  
 13 Jan

| Sample | hole number | depth from | depth to | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 | ANALAB Ag<br>ppm GA101 | ANALAB Au<br>ppm GG309 | ANALAB Au(s)<br>ppm GG3 | ANALAB Au(r)<br>ppm GG3 |
|--------|-------------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| 43009  | GAR003      | 77.00      | 78.00    | 206.000                | 15.000                 | 35.000                 | -2.000                 | -0.008                 |                         | -0.008                  |
| 43010  | GAR003      | 78.00      | 79.20    | 90.000                 | 8.000                  | 37.000                 | -2.000                 | -0.008                 |                         |                         |
| 43011  | GAR003      | 79.20      | 80.00    | 161.000                | 12.000                 | 11.000                 | -2.000                 | -0.008                 |                         |                         |
| 43012  | GAR003      | 80.00      | 81.00    | 21.000                 | 19.000                 | 10.000                 | -2.000                 | -0.008                 |                         |                         |
| 43013  | GAR003      | 81.00      | 82.00    | 23.000                 | 8.000                  | 11.000                 | -2.000                 | 0.011                  |                         |                         |
| 43014  | GAR003      | 82.00      | 83.00    | 54.000                 | -5.000                 | 11.000                 | -2.000                 | -0.008                 |                         |                         |
| 43015  | GAR003      | 83.00      | 84.00    | 643.000                | -5.000                 | 12.000                 | -2.000                 | 0.016                  |                         |                         |
| 43016  | GAR003      | 84.00      | 85.00    | 787.000                | -5.000                 | 17.000                 | -2.000                 | 0.028                  |                         |                         |
| 43017  | GAR003      | 85.00      | 86.00    | 356.000                | -5.000                 | 18.000                 | -2.000                 | 0.017                  |                         |                         |
| 43018  | GAR003      | 86.00      | 87.00    | 1349.000               | -5.000                 | 19.000                 | -2.000                 | 0.009                  |                         |                         |
| 43019  | GAR003      | 87.00      | 88.00    | 252.000                | 7.000                  | 14.000                 | -2.000                 | -0.008                 |                         |                         |
| 43021  | GAR003      | 88.00      | 89.00    | 582.000                | 8.000                  | 19.000                 | -2.000                 | 0.013                  |                         |                         |
| 43022  | GAR003      | 89.00      | 90.00    | 977.000                | 5.000                  | 31.000                 | -2.000                 | 0.041                  |                         |                         |
| 43023  | GAR003      | 90.00      | 91.00    | 487.000                | -5.000                 | 18.000                 | -2.000                 | 0.065                  |                         |                         |
| 43024  | GAR003      | 91.00      | 92.10    | 1218.000               | -5.000                 | 29.000                 | -2.000                 | 0.054                  |                         | 0.064                   |
| 43025  | GAR003      | 92.10      | 93.00    | 447.000                | -5.000                 | 47.000                 | -2.000                 | -0.008                 |                         |                         |
| 43026  | GAR003      | 93.00      | 94.00    | 260.000                | -5.000                 | 46.000                 | -2.000                 | 0.009                  |                         |                         |
| 43027  | GAR003      | 94.00      | 95.00    | 292.000                | -5.000                 | 45.000                 | -2.000                 | 0.010                  |                         |                         |
| 43028  | GAR003      | 95.00      | 96.00    | 219.000                | -5.000                 | 50.000                 | -2.000                 | -0.008                 |                         |                         |
| 43029  | GAR003      | 96.00      | 97.00    | 195.000                | -5.000                 | 51.000                 | -2.000                 | -0.008                 |                         |                         |
| 43030  | GAR003      | 97.00      | 98.00    | 481.000                | -5.000                 | 46.000                 | -2.000                 | -0.008                 |                         |                         |
| 43031  | GAR003      | 98.00      | 99.00    | 177.000                | -5.000                 | 36.000                 | -2.000                 | 0.011                  |                         |                         |
| 43032  | GAR003      | 99.00      | 100.00   | 79.000                 | -5.000                 | 41.000                 | -2.000                 | 0.008                  |                         |                         |
| 43033  | GAR003      | 100.00     | 101.00   | 169.000                | -5.000                 | 47.000                 | -2.000                 | 0.008                  | 0.011                   |                         |
| 43034  | GAR003      | 101.00     | 102.00   | 139.000                | -5.000                 | 51.000                 | -2.000                 | 0.010                  |                         | 0.012                   |
| 43035  | GAR003      | 102.00     | 103.00   | 81.000                 | 7.000                  | 46.000                 | -2.000                 | -0.008                 |                         |                         |
| 43036  | GAR003      | 103.00     | 104.00   | 171.000                | -5.000                 | 46.000                 | -2.000                 | -0.008                 |                         |                         |
| 43037  | GAR003      | 104.00     | 105.00   | 123.000                | 7.000                  | 55.000                 | -2.000                 | -0.008                 |                         |                         |
| 43038  | GAR003      | 105.00     | 106.00   | 894.000                | -5.000                 | 40.000                 | -2.000                 | 0.012                  |                         |                         |
| 43039  | GAR003      | 106.00     | 107.00   | 1162.000               | -5.000                 | 44.000                 | -2.000                 | 0.038                  |                         |                         |
| 43041  | GAR003      | 107.00     | 108.00   | 1158.000               | -5.000                 | 59.000                 | -2.000                 | 0.034                  |                         |                         |
| 43042  | GAR003      | 108.00     | 109.00   | 441.000                | -5.000                 | 48.000                 | -2.000                 | 0.025                  |                         |                         |
| 43043  | GAR003      | 109.00     | 110.00   | 732.000                | -5.000                 | 61.000                 | -2.000                 | 0.036                  |                         |                         |
| 43044  | GAR003      | 110.00     | 111.00   | 351.000                | -5.000                 | 56.000                 | -2.000                 | 0.014                  |                         |                         |
| 43045  | GAR003      | 111.00     | 112.00   | 649.000                | -5.000                 | 54.000                 | -2.000                 | 0.030                  |                         |                         |
| 43046  | GAR003      | 112.00     | 113.00   | 911.000                | -5.000                 | 36.000                 | -2.000                 | 0.033                  |                         |                         |
| 43047  | GAR003      | 113.00     | 114.00   | 531.000                | -5.000                 | 30.000                 | -2.000                 | 0.028                  |                         |                         |
| 43048  | GAR003      | 114.00     | 115.00   | 616.000                | -5.000                 | 41.000                 | -2.000                 | 0.037                  |                         |                         |
| 43049  | GAR003      | 115.00     | 116.00   | 454.000                | -5.000                 | 34.000                 | -2.000                 | 0.027                  | 0.036                   |                         |
| 43050  | GAR003      | 116.00     | 117.00   | 1187.000               | -5.000                 | 29.000                 | -2.000                 | 0.052                  |                         |                         |
| 43051  | GAR003      | 117.00     | 118.00   | 1162.000               | -5.000                 | 43.000                 | -2.000                 | 0.047                  |                         |                         |
| 43052  | GAR003      | 118.00     | 119.00   | 355.000                | -5.000                 | 30.000                 | -2.000                 | 0.024                  |                         |                         |
| 43053  | GAR003      | 119.00     | 120.00   | 1853.000               | -5.000                 | 32.000                 | -2.000                 | 0.082                  |                         |                         |
| 43054  | GAR003      | 120.00     | 121.00   | 1240.000               | -5.000                 | 23.000                 | -2.000                 | 0.043                  |                         |                         |
| 43055  | GAR003      | 121.00     | 122.00   | 830.000                | -5.000                 | 28.000                 | -2.000                 | 0.034                  |                         |                         |
| 43056  | GAR003      | 122.00     | 123.00   | 262.000                | -5.000                 | 30.000                 | -2.000                 | 0.017                  |                         |                         |
| 43057  | GAR003      | 123.00     | 124.00   | 454.000                | 9.000                  | 45.000                 | -2.000                 | 0.019                  |                         |                         |
| 43058  | GAR003      | 124.00     | 125.00   | 1506.000               | 20.000                 | 80.000                 | -2.000                 | 0.039                  |                         |                         |
| 43059  | GAR003      | 125.00     | 126.00   | 767.000                | -5.000                 | 158.000                | -2.000                 | 0.022                  |                         | 0.026                   |
| 43061  | GAR003      | 126.00     | 127.00   | 3333.000               | 5.000                  | 325.000                | -2.000                 | 0.157                  |                         |                         |
| 43062  | GAR003      | 127.00     | 128.00   | 719.000                | 15.000                 | 454.000                | -2.000                 | -0.008                 |                         |                         |
| 43063  | GAR003      | 128.00     | 129.00   | 52.000                 | -5.000                 | 147.000                | -2.000                 | -0.008                 |                         |                         |
| 43064  | GAR003      | 129.00     | 130.00   | 57.000                 | -5.000                 | 156.000                | -2.000                 | -0.008                 |                         |                         |
| 43065  | GAR003      | 130.00     | 131.00   | 250.000                | 10.000                 | 171.000                | -2.000                 | -0.008                 |                         |                         |
| 43066  | GAR003      | 131.00     | 132.00   | 558.000                | 52.000                 | 161.000                | -2.000                 | 0.077                  |                         |                         |
| 43067  | GAR003      | 132.00     | 133.00   | 317.000                | 93.000                 | 178.000                | -2.000                 | -0.008                 |                         |                         |
| 43068  | GAR003      | 133.00     | 134.00   | 115.000                | 8.000                  | 153.000                | -2.000                 | -0.008                 |                         |                         |
| 43069  | GAR003      | 134.00     | 135.00   | 389.000                | 16.000                 | 183.000                | -2.000                 | -0.008                 |                         |                         |
| 43070  | GAR003      | 135.00     | 136.00   | 146.000                | 72.000                 | 163.000                | -2.000                 | 0.009                  |                         |                         |
| 43071  | GAR003      | 136.00     | 137.00   | 66.000                 | -5.000                 | 112.000                | -2.000                 | -0.008                 |                         |                         |
| 43072  | GAR003      | 137.00     | 138.00   | 61.000                 | -5.000                 | 100.000                | -2.000                 | -0.008                 |                         |                         |
| 43073  | GAR003      | 138.00     | 139.00   | 70.000                 | -5.000                 | 105.000                | -2.000                 | -0.008                 |                         |                         |
| 43074  | GAR003      | 139.00     | 140.00   | 176.000                | 6.000                  | 162.000                | -2.000                 | -0.008                 |                         | -0.008                  |
| 43075  | GAR003      | 140.00     | 141.00   | 548.000                | 43.000                 | 249.000                | -2.000                 | -0.008                 |                         |                         |
| 43076  | GAR003      | 141.00     | 142.00   | 1464.000               | 31.000                 | 143.000                | -2.000                 | 0.023                  |                         |                         |
| 43077  | GAR003      | 142.00     | 143.00   | 8195.000               | 31.000                 | 138.000                | -2.000                 | 0.381                  |                         |                         |
| 43078  | GAR003      | 143.00     | 144.00   | 6434.000               | 31.000                 | 241.000                | -2.000                 | 0.219                  |                         |                         |
| 43079  | GAR003      | 144.00     | 145.00   | 4516.000               | 53.000                 | 252.000                | -2.000                 | 0.197                  |                         |                         |

Laboratory:  
 Detection Limit:  
 Method:

ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB  
 0.000 0.000 0.000 2.000 0.008 0.008 0.008 0.008 10.000  
 GA140 GA140 GA140 GA101 GG309 GG309 GG309 GX401

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

| Sample | hole number | depth  | from depth to | ANALAB Cu ppm GA140 | ANALAB Pb ppm GA140 | ANALAB Zn ppm GA140 | ANALAB Ag ppm GA101 | ANALAB Au ppm GG309 | ANALAB Au(s) ppm GG3 | ANALAB Au(r) ppm GG3 |
|--------|-------------|--------|---------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|
| 43081  | GAR003      | 145.00 | 146.00        | 2244.000            | -5.000              | 79.000              | -2.000              | 0.045               | 0.049                |                      |
| 43082  | GAR003      | 146.00 | 147.00        | 3106.000            | -5.000              | 91.000              | -2.000              | 0.056               |                      |                      |
| 43083  | GAR003      | 147.00 | 148.00        | 1583.000            | 9.000               | 93.000              | -2.000              | -0.008              |                      |                      |
| 43084  | GAR003      | 148.00 | 149.00        | 1952.000            | 8.000               | 91.000              | -2.000              | -0.008              |                      | -0.008               |
| 43085  | GAR003      | 149.00 | 150.00        | 3918.000            | 62.000              | 208.000             | -2.000              | 0.038               |                      |                      |
| 43086  | GAR003      | 150.00 | 151.00        | 5871.000            | -5.000              | 124.000             | -2.000              | 0.163               |                      |                      |
| 43087  | GAR003      | 151.00 | 152.00        | 8553.000            | -5.000              | 149.000             | -2.000              | 0.335               |                      |                      |
| 43088  | GAR003      | 152.00 | 153.00        | 6148.000            | -5.000              | 158.000             | -2.000              | 0.271               |                      |                      |
| 43089  | GAR003      | 153.00 | 154.00        | 14400.000           | 15.000              | 166.000             | -2.000              | 0.575               |                      |                      |
| 43090  | GAR003      | 154.00 | 155.00        | 24100.000           | 37.000              | 147.000             | -2.000              | 0.950               |                      |                      |
| 43091  | GAR003      | 155.00 | 156.00        | 15000.000           | 17.000              | 133.000             | -2.000              | 0.447               |                      |                      |
| 43092  | GAR003      | 156.00 | 157.00        | 14700.000           | 38.000              | 124.000             | -2.000              | 0.397               |                      |                      |
| 43093  | GAR003      | 157.00 | 158.00        | 11500.000           | 22.000              | 91.000              | -2.000              | 0.222               |                      |                      |
| 43094  | GAR003      | 158.00 | 159.00        | 16600.000           | 43.000              | 88.000              | -2.000              | 0.680               |                      |                      |
| 43095  | GAR003      | 159.00 | 160.00        | 7230.000            | 42.000              | 88.000              | -2.000              | 0.221               | 0.294                |                      |
| 43096  | GAR003      | 160.00 | 161.00        | 13200.000           | 37.000              | 87.000              | -2.000              | 0.382               |                      |                      |
| 43097  | GAR003      | 161.00 | 162.00        | 3358.000            | 15.000              | 87.000              | -2.000              | 0.116               |                      |                      |
| 43098  | GAR003      | 162.00 | 163.00        | 20500.000           | 23.000              | 98.000              | -2.000              | 0.707               |                      |                      |
| 43099  | GAR003      | 163.00 | 164.00        | 1984.000            | -5.000              | 134.000             | -2.000              | 0.048               |                      | 0.040                |
| 38501  | GAR003      | 164.00 | 165.00        | 2448.000            | 16.000              | 110.000             | -2.000              | 0.040               |                      |                      |
| 38502  | GAR003      | 165.00 | 166.00        | 3008.000            | 9.000               | 91.000              | -2.000              | 0.116               |                      |                      |
| 38503  | GAR003      | 166.00 | 167.00        | 2115.000            | 13.000              | 102.000             | -2.000              | 0.067               |                      |                      |
| 38504  | GAR003      | 167.00 | 168.00        | 1636.000            | 21.000              | 97.000              | -2.000              | 0.053               |                      |                      |
| 38505  | GAR003      | 168.00 | 169.00        | 1785.000            | 9.000               | 84.000              | -2.000              | 0.076               |                      |                      |
| 38506  | GAR003      | 169.00 | 170.00        | 1809.000            | 32.000              | 111.000             | -2.000              | 0.065               |                      |                      |
| 38507  | GAR003      | 170.00 | 171.00        | 1744.000            | 22.000              | 122.000             | -2.000              | 0.035               |                      |                      |
| 38508  | GAR003      | 171.00 | 172.00        | 1766.000            | 14.000              | 115.000             | -2.000              | 0.056               |                      |                      |
| 38509  | GAR003      | 172.00 | 173.00        | 2384.000            | 13.000              | 130.000             | -2.000              | 0.095               |                      |                      |
| 38510  | GAR003      | 173.00 | 174.00        | 441.000             | 7.000               | 122.000             | -2.000              | -0.008              |                      |                      |
| 38511  | GAR003      | 174.00 | 175.00        | 552.000             | -5.000              | 116.000             | -2.000              | 0.013               |                      |                      |
| 38512  | GAR003      | 175.00 | 176.00        | 425.000             | 12.000              | 101.000             | -2.000              | 0.008               |                      | 0.010                |
| 38513  | GAR003      | 176.00 | 177.00        | 871.000             | 26.000              | 95.000              | -2.000              | 0.018               |                      |                      |
| 38514  | GAR003      | 177.00 | 178.00        | 1405.000            | 14.000              | 87.000              | -2.000              | 0.041               | 0.047                |                      |
| 38515  | GAR003      | 178.00 | 179.00        | 1582.000            | 6.000               | 89.000              | -2.000              | 0.029               |                      |                      |
| 38516  | GAR003      | 179.00 | 180.00        | 2151.000            | -5.000              | 98.000              | -2.000              | 0.099               |                      |                      |
| 38517  | GAR003      | 180.00 | 181.00        | 583.000             | -5.000              | 83.000              | -2.000              | 0.018               |                      |                      |
| 38518  | GAR003      | 181.00 | 182.00        | 58.000              | 10.000              | 61.000              | -2.000              | 0.008               |                      |                      |
| 38519  | GAR003      | 182.00 | 183.00        | 106.000             | 13.000              | 57.000              | -2.000              | -0.008              |                      |                      |
| 38521  | GAR003      | 183.00 | 184.00        | 144.000             | 16.000              | 80.000              | -2.000              | -0.008              |                      |                      |

806080

## RGC EXPLORATION DRILL HOLE RECORD

|             |             |             |           |
|-------------|-------------|-------------|-----------|
| HOLE NUMBER | GAR 004     | DRILLED BY  | D.D. TAS  |
| PROJECT     |             | NORTHING    | 5 324 254 |
| PROSPECT    | GARFIELD    | EASTING     | 379 778   |
| DESIGNED BY | S.W. HALLEY | RL          | 239       |
| LOGGED BY   | S.W. HALLEY | INCLINATION | -65       |
| COMMENCED   | 29/11/94    | AZIMUTH     | 100       |
| FINISHED    | 17/12/94    | EOH         | 264.9     |

### PURPOSE

|                                                   |
|---------------------------------------------------|
| GAR 004 TESTED A MAGNETIC ANOMALY IN THE ANDESITE |
| SOUTH OF THE GARFIELD FAULT                       |
|                                                   |
|                                                   |

### SURVEY DATA

| DEPTH | INC.  | AZL  | DEPTH | INC.  | AZL | DEPTH | INC. | AZL |
|-------|-------|------|-------|-------|-----|-------|------|-----|
| 0     | -65   | 100  | 210   | -49.6 | 94  |       |      |     |
| 30    | -64.5 | 100  | 240   | -47.5 | 92  |       |      |     |
| 60    | -63.3 | 99   | 264.9 | -46.2 | 92  |       |      |     |
| 90    | -60.3 | 98   |       |       |     |       |      |     |
| 120   | -58.3 | 96.5 |       |       |     |       |      |     |
| 150   | -54.8 | 96   |       |       |     |       |      |     |
| 180   | -52.5 | 94.5 |       |       |     |       |      |     |





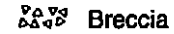






### DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| TRICONE   | 1.6   |          |
| HQ        | 89.5  |          |
| NQ        | 264.9 |          |


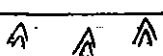

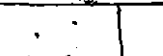









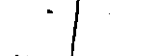



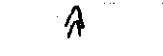







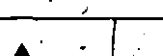




# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 1 OF 14

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                         |
|-------------------------|
| PROJECT :               |
| PROSPECT : GARFIELD     |
| DATE : 16/1/94          |
| LOGGED BY : S.W. HALLEY |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.                                                                             | GRAPHIC LOG                                                                         | ALTERATION |      |     | GEOLOGY NOTES                                                         | SUMMARY |            |
|------------|---------------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|------|-----|-----------------------------------------------------------------------|---------|------------|
|            |                     |               |                                                                                     |                                                                                     | SIL.       | SER. | PH. |                                                                       | ROCK    | ALTERATION |
| 1          |                     |               |                                                                                     |                                                                                     |            |      |     | 0.0 - 1.6<br>TRICONE                                                  |         |            |
| 2          |                     |               |    |    |            |      |     | 1.6 - 2.2 andesite?                                                   | CA      | IAP        |
| 3          |                     |               |    |    |            |      |     | 2.2 - 10.1<br>volcaniclastic?<br>very weathered<br>no quartz pheno's. | CYT     | V--M       |
| 4          |                     |               |    |    |            |      |     |                                                                       |         |            |
| 5          |                     |               |    |    |            |      |     |                                                                       |         |            |
| 6          |                     |               |    |    |            |      |     |                                                                       |         |            |
| 7          |                     |               |    |    |            |      |     |                                                                       |         |            |
| 8          |                     |               |   |   |            |      |     |                                                                       |         |            |
| 9          |                     |               |  |  |            |      |     |                                                                       |         |            |
| 10         |                     |               |                                                                                     |  |            |      |     | 10.1 - 15.6<br>feldspar-rich andesite<br>deeply weathered             | CA      | IAP        |
| 11         |                     |               |                                                                                     |  |            |      |     |                                                                       |         |            |
| 12         |                     |               |                                                                                     |  |            |      |     |                                                                       |         |            |
| 13         |                     |               |                                                                                     |  |            |      |     |                                                                       |         |            |
| 14         |                     |               |                                                                                     |  |            |      |     |                                                                       |         |            |
| 15         |                     |               |                                                                                     |  |            |      |     |                                                                       |         |            |
| 16         |                     |               |  |  |            |      |     | 15.6 - 18.0                                                           | CYT     | V--M       |
| 17         |                     |               |  |  |            |      |     |                                                                       |         |            |
| 18         |                     |               |  |  |            |      |     |                                                                       |         |            |
| 19         |                     |               |  |  |            |      |     | 18.0 - 20.1                                                           | CA      | IAP        |












REMARKS

806081

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 2 OF 14

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  Visible gold

|                          |
|--------------------------|
| PROJECT :                |
| PROSPECT : GARFIELD      |
| DATE : 16/1/95           |
| LOGGED BY : S. W. HALLEY |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |   |   |   |   |   |   |   | ALTERATION |      |     | GEOLOGY NOTES                                                                    | SUMMARY |      |
|------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|---|------------|------|-----|----------------------------------------------------------------------------------|---------|------|
|            |                     |               |         | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | SIL        | SER. | PY. |                                                                                  | SIL     | SER. |
| 21         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | 20.1 - 24.6                                                                      |         |      |
| 22         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 23         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  | CYT     | V--F |
| 24         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 25         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | 24.6 - 27.4                                                                      |         |      |
| 26         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  | CA      | IAF  |
| 27         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 28         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | 27.4 - 36.5                                                                      |         |      |
| 29         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | Siltstone                                                                        |         |      |
| 30         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 31         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 32         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 33         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         | ED-F |
| 34         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  | CYT     |      |
| 35         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 36         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     |                                                                                  |         |      |
| 37         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | ↑ graded                                                                         |         |      |
| 38         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | 36.5 - 40.5                                                                      |         |      |
| 39         |                     |               |         |             |   |   |   |   |   |   |   |            |      |     | coarse lithic-rich volcanoclastic<br>with feldspar phytic dacite<br>lava clasts. |         | EDFC |

REMARKS

806082



# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 4 OF 14

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>17/1/95</u>          |
| LOGGED BY : <u>S.W. HALLEY</u> |












| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG   | ALTERATION |      |      | GEOLOGY NOTES                                                                                                                                                          | SUMMARY |            |
|------------|---------------------|---------------|----------------|---------------|------------|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |               | SIL.       | SER. | PT.  |                                                                                                                                                                        | ROCK    | ALTERATION |
| 61         |                     |               |                | 1 1 1 4 16 32 |            |      |      | <p>60.5 - 70.6</p> <p>very coarse breccia with dense lava clasts + siltstone rip-up clasts and sericitised pumice? clasts. max clast size ~20cm</p> <p>70.6 - 79.2</p> | VRQC    |            |
| 62         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 63         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 64         |                     |               | S <sub>1</sub> |               |            |      |      |                                                                                                                                                                        |         |            |
| 65         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 66         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 67         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 68         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 69         |                     |               | S <sub>1</sub> |               |            |      |      |                                                                                                                                                                        |         |            |
| 70         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 71         |                     |               |                |               |            |      | CYT  |                                                                                                                                                                        |         |            |
| 72         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 73         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 74         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 75         |                     |               | S <sub>0</sub> |               |            |      |      |                                                                                                                                                                        |         |            |
| 76         |                     |               |                |               |            |      | ER-M |                                                                                                                                                                        |         |            |
| 77         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 78         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |
| 79         |                     |               |                |               |            |      |      |                                                                                                                                                                        |         |            |

|         |        |
|---------|--------|
| REMARKS | 806084 |
|---------|--------|

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 5 OF 14

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |      | GEOLOGY NOTES                                                                                               | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|------|-------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PY. | CHL. |                                                                                                             | ROCK    | ALTERATION |
| 81         |                     |               |         |             |            |      |     |      |                                                                                                             | CYT     | ER-F       |
| 82         |                     |               |         |             |            |      |     |      | 82.3 - 125.4<br>homogenous gray crystal-rich<br>feldspar phyric lava<br>contains very fine<br>quartz phenos |         |            |
| 83         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 84         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 85         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 86         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 87         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 88         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 89         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 90         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 91         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 92         |                     |               |         |             |            |      |     |      |                                                                                                             | CYL     |            |
| 93         |                     |               |         |             |            |      |     |      |                                                                                                             |         | LR<        |
| 94         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 95         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 96         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 97         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 98         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |
| 99         |                     |               |         |             |            |      |     |      |                                                                                                             |         |            |

REMARKS

806085

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 6 OF         

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ⊞ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | SAMPLE No | ASSAY RESULTS | STRUCT.             | GRAPHIC LOG | ALTERATION |      |     |      | GEOLOGY NOTES | SUMMARY |            |
|------------|-----------|---------------|---------------------|-------------|------------|------|-----|------|---------------|---------|------------|
|            |           |               |                     |             | SIL.       | SER. | PY. | CHL. |               | ROCK    | ALTERATION |
| 101        |           |               | V                   | ▨           | —          | —    | —   | —    |               |         |            |
| 102        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 103        |           |               | V                   | ▨           | —          | —    | —   | —    |               |         |            |
| 104        |           |               | V<br>S <sub>1</sub> | ▨           | —          | —    | —   | —    |               |         |            |
| 105        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 106        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 107        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 108        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 109        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 110        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 111        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 112        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 113        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 114        |           |               | V<br>S <sub>1</sub> | ▨           | —          | —    | —   | —    |               |         |            |
| 115        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 116        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 117        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 118        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |
| 119        |           |               |                     | ▨           | —          | —    | —   | —    |               |         |            |

REMARKS

806086

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR004

SHEET 7 OF 14

- Bedding
- └ Cleavage
- ~ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▨ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG                | ALTERATION |      |     |     | GEOLOGY NOTES               | SUMMARY |            |
|------------|---------------------|---------------|---------|----------------------------|------------|------|-----|-----|-----------------------------|---------|------------|
|            |                     |               |         |                            | SIL.       | SER. | PY. | S&G |                             | ROCK    | ALTERATION |
| 121        |                     |               |         | 1 2 3 4 5 6 7 8 9 10 11 12 |            |      |     |     |                             |         |            |
| 122        |                     |               |         |                            |            |      |     |     | FAULT                       |         |            |
| 123        |                     |               |         |                            |            |      |     |     |                             | CYL     | LRC        |
| 124        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 125        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 126        |                     |               |         |                            |            |      |     |     |                             | ELF     |            |
| 127        |                     |               |         |                            |            |      |     |     |                             | VRQC    |            |
| 128        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 129        |                     |               |         |                            |            |      |     |     | 128.4 - 139.7               |         |            |
| 130        |                     |               |         |                            |            |      |     |     | dark grey volcanoclastic    |         |            |
| 131        |                     |               |         |                            |            |      |     |     | abundant fine quartz grains |         |            |
| 132        |                     |               |         |                            |            |      |     |     | small sericitised lithics   | CYT     |            |
| 133        |                     |               |         |                            |            |      |     |     | and siltstone intraclasts   |         |            |
| 134        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 135        |                     |               |         |                            |            |      |     |     |                             | VRQM    |            |
| 136        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 137        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 138        |                     |               |         |                            |            |      |     |     |                             |         |            |
| 139        |                     |               |         |                            |            |      |     |     | 138.6 - 139.3 VEIN          |         |            |
|            |                     |               |         |                            |            |      |     |     | 139.7 - 141.3               |         |            |

|         |        |
|---------|--------|
| REMARKS | 806087 |
|---------|--------|

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 8 OF 14

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▣ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS |    |     | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                                                                                                                                                                            | SUMMARY |            |
|------------|---------------------|---------------|----|-----|----------------|-------------|------------|------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     | Cu            | Au | Zn  |                |             | SIL.       | SER. | PY. |                                                                                                                                                                                          | ROCK    | ALTERATION |
| 141        |                     |               |    |     |                |             |            |      |     | 141.3-168.2<br>dark grey volcanoclastic<br>with abundant fine quartz<br>phenos, pumice(?) clasts<br>and some mudstone intraclasts<br><br>contains flattened pyrite<br>nodules (clasts?). | CYL     | LDF        |
| 142        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 143        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 144        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 145        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 146        |                     |               |    |     | S <sub>1</sub> |             |            |      |     |                                                                                                                                                                                          |         |            |
| 147        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 148        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 149        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 150        |                     |               |    |     | S <sub>0</sub> |             |            |      |     |                                                                                                                                                                                          |         |            |
| 151        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 152        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          | CYT     | VRQM       |
| 153        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 154        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 155        |                     |               |    |     | S <sub>1</sub> |             |            |      |     |                                                                                                                                                                                          |         |            |
| 156        |                     |               |    |     |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 157        | 38543               | 18            | -  | 68  |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 158        | 38544               | 7             | -  | 128 |                |             |            |      |     |                                                                                                                                                                                          |         |            |
| 159        | 38545               | 6             | -  | 202 |                |             |            |      |     |                                                                                                                                                                                          |         |            |

REMARKS 806088

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

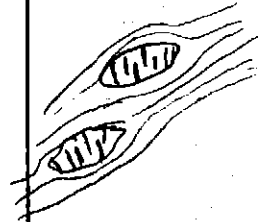
PROJECT :  
 PROSPECT :  
 DATE :  
 LOGGED BY :

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS |    |     | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|----|-----|----------------|-------------|------------|------|-----|---------------|---------|------------|
|            |                     | Cu            | Au | Zn  |                |             | SIL.       | SER. | PT. |               | ROCK    | ALTERATION |
| 161        | 38546               | 4             | -  | 179 | S <sub>1</sub> |             |            |      |     |               | CYT     | VRQM       |
| 162        | 38547               | 4             | -  | 211 |                |             |            |      |     |               |         |            |
| 163        | 38548               | 5             | -  | 144 |                |             |            |      |     |               |         |            |
| 164        | 38549               | 4             | -  | 194 |                |             |            |      |     |               |         |            |
| 165        | 38550               | 4             | -  | 245 |                |             |            |      |     |               |         |            |
| 166        |                     |               |    |     | CONTACT        |             |            |      |     |               | CA      | IAP        |
| 167        |                     |               |    |     |                |             |            |      |     |               |         |            |
| 168        |                     |               |    |     |                |             |            |      |     |               |         |            |
| 169        |                     |               |    |     | CONTACT        |             |            |      |     |               |         |            |
| 170        |                     |               |    |     |                |             |            |      |     |               |         |            |
| 171        |                     |               |    |     | S <sub>0</sub> |             |            |      |     |               |         | E.M.       |
| 172        |                     |               |    |     |                |             |            |      |     |               |         |            |
| 173        |                     |               |    |     | S <sub>1</sub> |             |            |      |     |               | CYT     | VRQM       |
| 174        | 38552               | 4             | -  | 248 |                |             |            |      |     |               |         |            |
| 175        | 38553               | 9             | -  | 635 |                |             |            |      |     |               |         |            |
| 176        | 38554               | 10            | -  | 348 |                |             |            |      |     |               |         |            |
| 177        | 38555               | 12            | -  | 469 |                |             |            |      |     |               |         |            |
| 178        | 38556               | 7             | -  | 536 |                |             |            |      |     |               |         |            |
| 179        | 38557               | 5             | -  | 339 |                |             |            |      |     |               |         |            |
|            | 38558               | 15            | -  | 445 |                |             |            |      |     |               |         |            |

sheared contact

168-2- 170.9  
 andesite with abundant fine  
 feldspar phenocrysts

171.8-179.8  
 very distinctive coarse  
 volcanoclastic with very  
 coarse quartz phenos (4 to 8mm)  
 that are stretched and  
 broken in the cleavage



REMARKS

806089

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 10 OF 14

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |       |     | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                                                              | SUMMARY |            |
|------------|---------------------|---------------|-------|-----|----------------|-------------|------------|------|-----|----------------------------------------------------------------------------|---------|------------|
|            |                     | Cu            | Au    | Zn  |                |             | SIL.       | SER. | PY. |                                                                            | ROCK    | ALTERATION |
| 181        | 38559               | 2.5           | -     | 474 | S <sub>1</sub> |             |            |      |     | 179.8 - 185.0<br>Volcanic sandstone with abundant small quartz phenocrysts | CYT     | VR&M       |
| 182        | 38560               | 4             | -     | 529 |                |             |            |      |     |                                                                            |         |            |
| 183        | 38561               | -             | 0.013 | 410 |                |             |            |      |     |                                                                            |         |            |
| 184        |                     |               |       |     | CONTACT        |             |            |      |     | 185.0 - 188.3                                                              | CA      | IA         |
| 185        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 186        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 187        |                     |               |       |     | CONTACT        |             |            |      |     | 188.3 - 192.2                                                              | CYT     | VR&C       |
| 188        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 189        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 190        |                     |               |       |     | S <sub>1</sub> |             |            |      |     | 192.2 - 201.7                                                              | CA      | IA         |
| 191        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 192        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 193        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 194        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 195        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 196        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 197        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 198        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |
| 199        |                     |               |       |     |                |             |            |      |     |                                                                            |         |            |

REMARKS

806090

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 11 OF 14

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |    |      | STRUCT.        | GRAPHIC LOG        | ALTERATION |      |     |          |       | GEOLOGY NOTES | SUMMARY |            |      |
|------------|---------------------|---------------|----|------|----------------|--------------------|------------|------|-----|----------|-------|---------------|---------|------------|------|
|            |                     | Cu            | Au | Zn   |                |                    | SIL.       | SER. | PT. | CHLORITE | CARB. |               | ROCK    | ALTERATION |      |
| 201        |                     |               |    |      |                | 1/16 1/4 1 1/2 3/2 |            |      |     |          |       |               |         | IA         |      |
| 202        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 203        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 204        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 205        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 206        |                     |               |    |      | S <sub>1</sub> |                    |            |      |     |          |       |               |         |            |      |
| 207        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 208        | 38562               | 4             | -  | 942  |                |                    |            |      |     |          |       |               |         | CYT        | VRQM |
| 209        | 38563               | 4             | -  | 536  |                |                    |            |      |     |          |       |               |         |            |      |
| 210        | 38564               | 14            | -  | 1438 |                |                    |            |      |     |          |       |               |         |            |      |
| 211        | 38565               | 42            | -  | 374  |                |                    |            |      |     |          |       |               |         | CA         | IA   |
| 212        | 38566               | 41            | -  | 351  |                |                    |            |      |     |          |       |               |         | CYT        | VRQM |
| 213        | 38567               | 28            | -  | 212  |                |                    |            |      |     |          |       |               |         |            |      |
| 214        | 38568               | 30            | -  | 181  |                |                    |            |      |     |          |       |               |         |            |      |
| 215        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 216        |                     |               |    |      | S <sub>1</sub> |                    |            |      |     |          |       |               |         | CA         | IA   |
| 217        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 218        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |
| 219        |                     |               |    |      |                |                    |            |      |     |          |       |               |         |            |      |

201.7 - 210.1  
volcaniclastic with large quartz phenocrysts, small lithic fragments, sparse chloritized pumice clasts.

becomes more chloritic towards the end of the interval

S<sub>1</sub>, 50° CA

210.1 - 211.3

211.3 - 211.8

211.8 - 240.9

massive andesite, cut by a network of calcite veins.

REMARKS

806091

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 12 OF 14

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   |          |
| PROSPECT :  | GARFIELD |
| DATE :      | 6/2/95   |
| LOGGED BY : | SWH      |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|---------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PT. |               | ROCK    | ALTERATION |
| 221        |                     |               | VEIN           | ^ ^         |            |      |     |               |         |            |
| 222        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 223        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 224        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 225        |                     |               | S <sub>1</sub> | ^ ^         |            |      |     |               |         |            |
| 226        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 227        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 228        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 229        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 230        |                     |               |                | ^ ^         |            |      |     |               | CA      | IA         |
| 231        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 232        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 233        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 234        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 235        |                     |               | S <sub>1</sub> | ^ ^         |            |      |     |               |         |            |
| 236        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 237        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 238        |                     |               |                | ^ ^         |            |      |     |               |         |            |
| 239        |                     |               |                | ^ ^         |            |      |     |               |         |            |

REMARKS












806092



# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 004

SHEET 14 OF 14

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  Visible gold

|             |          |
|-------------|----------|
| PROJECT :   |          |
| PROSPECT :  | GARFIELD |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |     |     |     |   |   | ALTERATION |      |    | GEOLOGY NOTES | SUMMARY |            |  |
|------------|---------------------|---------------|---------|-------------|-----|-----|-----|---|---|------------|------|----|---------------|---------|------------|--|
|            |                     |               |         | 1/8         | 1/4 | 1/2 | 3/4 | 1 | 2 | SIL.       | SER. | BY |               | ROCK    | ALTERATION |  |
| 261        |                     |               |         | ^           |     |     |     |   |   |            |      |    |               |         |            |  |
| 262        |                     |               |         | ^           |     |     |     |   |   |            |      |    |               |         |            |  |
| 263        |                     |               |         | ^           |     |     |     |   |   |            |      |    |               |         |            |  |
| 264        |                     |               |         | ^           |     |     |     |   |   |            |      |    |               |         |            |  |
| 265        |                     |               |         | ^           |     |     |     |   |   |            |      |    | 264.9 EOH     |         |            |  |

REMARKS

806094

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

Page: 1  
 09 March 95

| Sample | hole number | depth from | depth to | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 | ANALAB Ag<br>ppm GA101 | ANALAB<br>Mn_a ppm<br>AAS | ANALAB Au<br>ppm GG309 | ANALAB<br>Au(r) ppm<br>GG3 | ANALAB<br>Au(s) ppm<br>GG3 | ANALAB<br>Ba_a ppm<br>GX40 |
|--------|-------------|------------|----------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|----------------------------|----------------------------|----------------------------|
| 38543  | GAR004      | 157.00     | 158.00   | 18.000                 | 16.000                 | 68.000                 | -2.000                 | 1989.000                  | -0.008                 |                            |                            | 505.000                    |
| 38544  | GAR004      | 158.00     | 159.00   | 7.000                  | 26.000                 | 128.000                | -2.000                 | 1601.000                  | -0.008                 |                            |                            | 455.000                    |
| 38545  | GAR004      | 159.00     | 160.00   | 6.000                  | 59.000                 | 202.000                | -2.000                 | 1810.000                  | -0.008                 |                            |                            | 445.000                    |
| 38546  | GAR004      | 160.00     | 161.00   | 4.000                  | 11.000                 | 179.000                | -2.000                 | 1935.000                  | -0.008                 |                            |                            | 390.000                    |
| 38547  | GAR004      | 161.00     | 162.00   | 4.000                  | 17.000                 | 211.000                | -2.000                 | 2437.000                  | -0.008                 |                            |                            | 350.000                    |
| 38548  | GAR004      | 162.00     | 163.00   | 5.000                  | 7.000                  | 144.000                | -2.000                 | 2598.000                  | -0.008                 |                            |                            | 410.000                    |
| 38549  | GAR004      | 163.00     | 164.00   | 4.000                  | -5.000                 | 194.000                | -2.000                 | 2572.000                  | -0.008                 |                            |                            | 405.000                    |
| 38550  | GAR004      | 164.00     | 165.00   | 4.000                  | 5.000                  | 245.000                | -2.000                 | 2632.000                  | -0.008                 |                            |                            | 425.000                    |
| 38552  | GAR004      | 173.00     | 174.00   | 4.000                  | 85.000                 | 248.000                | -2.000                 | 2033.000                  | -0.008                 |                            |                            | 445.000                    |
| 38553  | GAR004      | 174.00     | 175.00   | 9.000                  | 15.000                 | 635.000                | -2.000                 | 1835.000                  | -0.008                 |                            |                            | 400.000                    |
| 38554  | GAR004      | 175.00     | 176.00   | 10.000                 | 25.000                 | 348.000                | -2.000                 | 3604.000                  | -0.008                 | -0.008                     |                            | 740.000                    |
| 38555  | GAR004      | 176.00     | 177.00   | 12.000                 | 77.000                 | 469.000                | -2.000                 | 1811.000                  | -0.008                 |                            |                            | 470.000                    |
| 38556  | GAR004      | 177.00     | 178.00   | 7.000                  | 72.000                 | 536.000                | -2.000                 | 1935.000                  | -0.008                 |                            |                            | 490.000                    |
| 38557  | GAR004      | 178.00     | 179.00   | 5.000                  | 94.000                 | 339.000                | -2.000                 | 2169.000                  | -0.008                 | -0.008                     |                            | 445.000                    |
| 38558  | GAR004      | 179.00     | 180.00   | 15.000                 | 331.000                | 445.000                | -2.000                 | 2160.000                  | -0.008                 |                            |                            | 525.000                    |
| 38559  | GAR004      | 180.00     | 181.00   | 5.000                  | 42.000                 | 474.000                | -2.000                 | 2335.000                  | -0.008                 |                            |                            | 620.000                    |
| 38560  | GAR004      | 181.00     | 182.00   | 4.000                  | 12.000                 | 529.000                | -2.000                 | 2774.000                  | -0.008                 |                            |                            | 665.000                    |
| 38561  | GAR004      | 182.00     | 183.00   | -4.000                 | 5.000                  | 410.000                | -2.000                 | 3000.000                  | 0.013                  |                            |                            | 625.000                    |
| 38562  | GAR004      | 207.00     | 208.00   | 4.000                  | 429.000                | 942.000                | -2.000                 | 2362.000                  | -0.008                 |                            |                            | 610.000                    |
| 38563  | GAR004      | 208.00     | 209.00   | 4.000                  | 219.000                | 536.000                | -2.000                 | 2218.000                  | -0.008                 |                            |                            | 810.000                    |
| 38564  | GAR004      | 209.00     | 210.00   | 14.000                 | 412.000                | 1438.000               | -2.000                 | 2977.000                  | -0.008                 | -0.008                     | -0.008                     | 875.000                    |
| 38565  | GAR004      | 210.00     | 211.00   | 42.000                 | -5.000                 | 374.000                | -2.000                 | 2577.000                  | -0.008                 |                            |                            | 885.000                    |
| 38566  | GAR004      | 211.00     | 212.00   | 41.000                 | 229.000                | 351.000                | -2.000                 | 2064.000                  | -0.008                 |                            |                            | 1065.000                   |
| 38567  | GAR004      | 212.00     | 213.00   | 28.000                 | 9.000                  | 212.000                | -2.000                 | 1256.000                  | -0.008                 |                            |                            | 1240.000                   |
| 38568  | GAR004      | 213.00     | 214.00   | 30.000                 | -5.000                 | 181.000                | -2.000                 | 1166.000                  | -0.008                 |                            |                            | 1210.000                   |

Laboratory:  
 Detection Limit:  
 Method:

|                          |                          |                          |                          |                        |                          |                          |                          |                          |                           |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| ANALAB<br>0.000<br>GA140 | ANALAB<br>0.000<br>GA140 | ANALAB<br>0.000<br>GA140 | ANALAB<br>2.000<br>GA101 | ANALAB<br>5.000<br>AAS | ANALAB<br>0.008<br>GG309 | ANALAB<br>0.008<br>GG309 | ANALAB<br>0.008<br>GG309 | ANALAB<br>0.008<br>GG309 | ANALAB<br>10.000<br>GX401 |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|

806095

## RGC EXPLORATION DRILL HOLE RECORD

|             |             |             |                      |
|-------------|-------------|-------------|----------------------|
| HOLE NUMBER | GAR005      | DRILLED BY  | Diamond Drilling Tas |
| PROJECT     |             | NORTHING    | 5324142.51           |
| PROSPECT    | GARFIELD    | EASTING     | 379498.72            |
| DESIGNED BY | S.W. HALLEY | RL          | 233m                 |
| LOGGED BY   | S. CORLETT  | INCLINATION | 53°                  |
| COMMENCED   | 11/1/95     | AZIMUTH     | 264°                 |
| FINISHED    | 25/1/95     | EOH         | 235.2m               |

### PURPOSE

|                                                      |
|------------------------------------------------------|
| THE PURPOSE OF THIS HOLE WAS TO TEST FOR AN EXHALITE |
| HORIZON AT THE BASE OF THE TYNDALL GROUP OVERLYING   |
| THE GARFIELD COPPER PROSPECT                         |
|                                                      |

### SURVEY DATA

| DEPTH | INC.  | AZL   | DEPTH | INC.  | AZL | DEPTH | INC. | AZL |
|-------|-------|-------|-------|-------|-----|-------|------|-----|
| 0     | -53   | 264°  | 210   | -44.8 |     |       |      |     |
| 30    | -53   | 264   | 235   | -42.8 |     |       |      |     |
| 60    | -51   | 264   |       |       |     |       |      |     |
| 90    | -48.4 | 264.5 |       |       |     |       |      |     |
| 120   | -47   | 265.5 |       |       |     |       |      |     |
| 150   | -45.7 | 266   |       |       |     |       |      |     |
| 180   | -44.8 | 267.1 |       |       |     |       |      |     |

### DRILLING DATA

| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| TRICONE   | 2     |          |
| HQ        | 83.8  |          |
| NQ        | 235.2 |          |



- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                    |
|------------------------------------|
| <b>PROJECT :</b>                   |
| <b>PROSPECT :</b> <u>GARFIELD</u>  |
| <b>DATE :</b> <u>13-02-95</u>      |
| <b>LOGGED BY :</b> <u>SCORLETT</u> |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |      | GEOLOGY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PT. | CHL. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ROCK    | ALTERATION |
| 22         |                     |               |         | =           |            |      |     |      | <p>course gr. feldspar pyric intrusion<br/>                     * moderate sericite alteration of g-felsic lava</p> <p>- coarse quartz phen's 20% (ov. 0.4-0.5cm diam) with common pressure shadows</p> <p>- feldspar (20%) aligned with foliation</p> <p>- sub coarse biotite discrete</p> <p>- fine grained sericised groundmass</p><br><p>31.5m - well developed cleavage:</p> <p>32.70 - biotite/sericite definition of foliation</p> <p>33.4 - locally bleached around g vein (10cm), porphyritic</p><br><p>36-37.4m - intense foliation, biotite/sericite &amp; py defining cleavage.</p><br><p>39.6m - crystal rich volcanic sst. w/ defined crystal boundaries - coarse g 7F &gt; bi with weakly sericised &amp; chloritised groundmass</p> <p>* weak foliation</p> <p>* hair line carbonate veins and blebs occurring along cleavage</p> <p>* ? sub rounded grains</p> <p>* white dust 2% - crystal rich</p> |         |            |
| 24         |                     |               |         | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 26         |                     |               |         | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 28         |                     |               | S1      | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 30         |                     |               |         | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 32         |                     |               | F<br>S1 | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 34         |                     |               | S1      | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 36         |                     |               | S1      | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 38         |                     |               | S1      | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 40         |                     |               |         | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |
| 42         |                     |               |         | =           |            |      |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |            |

**REMARKS**

806098

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 005

SHEET 3 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>GARTFIELD.</u>    |
| DATE : <u>14-02-95</u>          |
| LOGGED BY : <u>SUE CORLETT.</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |     |     | GEOLOGY NOTES                                                                                                                          | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PY. | CHL | ACT |                                                                                                                                        | ROCK    | ALTERATION |
| 44         |                     |               | S <sub>1</sub> |             |            |      |     |     |     | <p>- crystal rich volcanic s/sst</p> <p>- coarsely graded beds (1-2m)<br/>weakly sericitized + chloritized<br/>+ silicified</p>        |         |            |
| 46         |                     |               |                |             |            |      |     |     |     | <p>- open space carries from<br/>carbonate veining vugs</p>                                                                            |         |            |
| 48         |                     |               | K.             |             |            |      |     |     |     | <p>51.6m - q vein 4cm diameter,<br/>sericite lined with microgranites<br/>of sericite</p>                                              |         |            |
| 50         |                     |               |                |             |            |      |     |     |     | <p>&lt; 1% opactomising carbonate<br/>veins</p>                                                                                        |         |            |
| 52         |                     |               | S <sub>1</sub> |             |            |      |     |     |     | <p>- massive crystal rich volc s/sst</p> <p>- weak carbonate alteration,<br/>biotite &amp; sericite define<br/>pervasive foliation</p> |         |            |
| 54         |                     |               |                |             |            |      |     |     |     |                                                                                                                                        |         |            |
| 56         |                     |               |                |             |            |      |     |     |     |                                                                                                                                        |         |            |
| 58         |                     |               |                |             |            |      |     |     |     |                                                                                                                                        |         |            |
| 60         |                     |               |                |             |            |      |     |     |     |                                                                                                                                        |         |            |
| 62         |                     |               | S <sub>1</sub> |             |            |      |     |     |     | <p>- open space qtz-sericite<br/>intergrowth in veins</p>                                                                              |         |            |
| 64         |                     |               |                |             |            |      |     |     |     |                                                                                                                                        |         |            |

REMARKS

806099

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005

SHEET 4 OF 12

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>GARFIELD</u>      |
| DATE : <u>14-2-95</u>           |
| LOGGED BY : <u>SUE CORLETT.</u> |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG                | ALTERATION |      |     |     |      | GEOLOGY NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SUMMARY |            |
|------------|---------------------|---------------|----------------|----------------------------|------------|------|-----|-----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |                            | SIL        | SER. | PY. | CHL | CARB |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ROCK    | ALTERATION |
| 64         |                     |               |                | 1<br>1<br>1<br>4<br>1<br>2 |            |      |     |     |      | <ul style="list-style-type: none"> <li>- crystal rich base - grading upward, no lithic clasts.</li> <li>- weak sericitic + chloritic definition of S<sub>1</sub>,</li> <li>- biotite &lt; 1%,</li> <li>- weak carbonate alteration - q &gt; F</li> <li>- crystal rich graded volcanic s/s</li> <br/> <li>74cm anastomosing cb vein; with Hm, py &amp; sericitic interfingered. v.d. 5cm thick - q &gt; F</li> <br/> <li>Sub angular grain boundaries - q &gt; F</li> <br/> <li>sub bands 1cm thick - bounding of carbonate veins</li> <li>5% of crystals - sub angular boundaries</li> </ul> |         |            |
| 66         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 68         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 70         |                     |               | S <sub>1</sub> | QVN                        |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 72         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 74         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 76         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 78         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 80         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 82         |                     |               | S <sub>1</sub> | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |
| 84         |                     |               |                | "                          |            |      |     |     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |            |

REMARKS

806100



# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR 005

SHEET 6 OF 12

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>14-02-95</u>         |
| LOGGED BY : <u>SUE CORLETT</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |     |     | GEOLOGY NOTES                                                                                                                    | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PT. | CHL | CRS |                                                                                                                                  | ROCK    | ALTERATION |
| 104        |                     |               |         |             |            |      |     |     |     | - graded bedding, crystal rich base<br>- neat sericite alteration<br>- q > f.                                                    |         |            |
| 106        |                     |               | S1      |             |            |      |     |     |     |                                                                                                                                  |         |            |
| 108        |                     |               | S0      |             |            |      |     |     |     | crystal depleted<br>volcanic sandstone                                                                                           |         |            |
| 110        |                     |               | S1      |             |            |      |     |     |     | disseminated grains of<br>- cubic pyrite < 1%<br>- rounded and subangular<br>grains q > f.                                       |         |            |
| 112        |                     |               |         |             |            |      |     |     |     | carbonate blebs - discontinuous<br>? boudinaged veins<br>- disseminated pyrite < 1% py<br>in carbonate vein<br>- microfractured. |         |            |
| 114        |                     |               |         |             |            |      |     |     |     |                                                                                                                                  |         |            |
| 116        |                     |               |         |             |            |      |     |     |     | 1% carbonate veins<br>(late stage)                                                                                               |         |            |
| 118        |                     |               |         |             |            |      |     |     |     |                                                                                                                                  |         |            |
| 120        |                     |               | S0      |             |            |      |     |     |     | graded beds from<br>coarse crystal rich<br>volcanic sandstone<br>grained sandstone                                               |         |            |
| 122        |                     |               | S1      |             |            |      |     |     |     | - q > f<br>- S1 defined by sericite                                                                                              |         |            |
| 124        |                     |               |         |             |            |      |     |     |     | white clasts<br>- interfingering between<br>mudstone & crystal rich volcanics                                                    |         |            |

REMARKS

806102

|  |             |  |              |
|--|-------------|--|--------------|
|  | Breccia     |  | Disseminated |
|  | Cleavage    |  | Massive      |
|  | Foliation   |  | Parting      |
|  | Fault Shear |  | Narrow vein  |
|  | Breccia     |  | Visible gold |
|  | Broken core |  |              |

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>14-02-95</u>         |
| LOGGED BY : <u>SUE CORLETT</u> |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.                          | GRAPHIC LOG | ALTERATION |      |     |      | GEOLOGY NOTES                                                                                       | SUMMARY |            |
|------------|---------------------|---------------|----------------------------------|-------------|------------|------|-----|------|-----------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                                  |             | SIL.       | SER. | PT. | CHNG |                                                                                                     | ROCK    | ALTERATION |
| 124        |                     |               | S <sub>1</sub>                   |             |            |      |     |      | crystal phytic volcanic sediment<br>97f                                                             |         |            |
| 126        |                     |               |                                  |             |            |      |     |      |                                                                                                     |         |            |
| 128        |                     |               | S <sub>1</sub><br>S <sub>0</sub> |             |            |      |     |      | graded beds, weak carbonate-senside alteration.                                                     |         |            |
| 130        |                     |               |                                  |             |            |      |     |      | well bedded sandstone grading into vfg shale with <1% disseminated fine grained pyrite              |         |            |
| 132        |                     |               |                                  |             |            |      |     |      | intercalated shale / crystal rich epiclastic                                                        |         |            |
| 134        |                     |               |                                  |             |            |      |     |      | 133.5m: bands of shale with both sharp & intercalated boundaries.<br>massive volcanic sandstone 97f |         |            |
| 136        |                     |               |                                  |             |            |      |     |      |                                                                                                     |         |            |
| 138        |                     |               | S <sub>1</sub>                   |             |            |      |     |      |                                                                                                     |         |            |
| 140        |                     |               |                                  |             |            |      |     |      | 138.0m - whic fragments elongate along foliation                                                    |         |            |
| 142        |                     |               |                                  |             |            |      |     |      |                                                                                                     |         |            |
| 144        |                     |               |                                  |             |            |      |     |      |                                                                                                     |         |            |

REMARKS

Horizontal: Discontinuity  
 (D)avelet: Massive  
 Foliation: Porphyry  
 Fault/Shear: Narrow vein  
 Breccia: Visible gold  
 Breccia: Breccia

PROJECT :  
 PROSPECT : GARFIELD  
 DATE : 15-02-95  
 LOGGED BY : SUE CORLETT

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.               | GRAPHIC LOG | ALTERATION |     |    |             | GEOLOGY NOTES                                                                                                                                                                                                           | SUMMARY |            |
|------------|---------------------|---------------|-----------------------|-------------|------------|-----|----|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                       |             | SIL        | SER | PT | CARS<br>CHL |                                                                                                                                                                                                                         | ROCK    | ALTERATION |
| 144        |                     |               |                       |             |            |     |    |             | <ul style="list-style-type: none"> <li>volcanic sandstone 97F</li> <li>weak carbonate alteration</li> </ul>                                                                                                             |         |            |
| 146        |                     |               | S <sub>0</sub>        |             |            |     |    |             |                                                                                                                                                                                                                         |         |            |
| 148        |                     |               | S <sub>1</sub>        |             |            |     |    |             | <ul style="list-style-type: none"> <li>black fg shale</li> <li>micro faulting in carbonate</li> <li>pyrite veins</li> </ul>                                                                                             |         |            |
| 150        |                     |               | F                     |             |            |     |    |             |                                                                                                                                                                                                                         |         |            |
| 152        |                     |               |                       | π           |            |     |    |             | <ul style="list-style-type: none"> <li>faulted and intercalated at base</li> <li>crystalphyric dacite (lava?) with 20% phenocrysts</li> <li>biotite partially replaced to cream coloured grains 97F (coarse)</li> </ul> |         |            |
| 154        |                     |               |                       | π           |            |     |    |             |                                                                                                                                                                                                                         |         |            |
| 156        |                     |               |                       | π           |            |     |    |             |                                                                                                                                                                                                                         |         |            |
| 158        |                     |               |                       | π           |            |     |    |             |                                                                                                                                                                                                                         |         |            |
| 160        |                     |               | F, VN, S <sub>1</sub> | π           |            |     |    |             | <ul style="list-style-type: none"> <li>9-carb-ser-chl vein 2cm diam.</li> <li>9-carbonate-sericite-chlorite vein 3-4cm</li> </ul>                                                                                       |         |            |
| 162        |                     |               | ?F                    | Δ, π        |            |     |    |             | <ul style="list-style-type: none"> <li>local brecciation with carbonate &amp; siltstone matrix</li> <li>local brecciation in qtz and 8" dia size 97F</li> <li>epidioritic quartzite with volcanic sediment</li> </ul>   |         |            |
| 164        |                     |               |                       | π           |            |     |    |             |                                                                                                                                                                                                                         |         |            |

REMARKS

806104

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005

SHEET 7 OF 12

- Breccia
- Stravag
- Foliation
- Fault Shear
- Breccia
- Breccia
- Disseminated
- Massive
- Porphyritic
- Narrow vein
- Visible gold

|           |             |
|-----------|-------------|
| PROJECT   |             |
| PROSPECT  | GARFIELD    |
| DATE      | 15-02-95    |
| LOGGED BY | SUE CORLETT |

| ELEVATION | CORRECTION | DEPTH | STRUCTURE | GRAPHIC LOG | ALTERATION |     |    |     |     |     | GEOLOGY NOTES | SUMMARY |      |            |  |
|-----------|------------|-------|-----------|-------------|------------|-----|----|-----|-----|-----|---------------|---------|------|------------|--|
|           |            |       |           |             | SIL        | SER | PT | CHL | ACT | HEM |               | PA      | ROCK | ALTERATION |  |
| 164       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 166       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 168       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 170       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 172       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 174       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 176       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 178       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 180       |            |       |           |             |            |     |    |     |     |     |               |         |      |            |  |
| 38594     | 6          | -     | 19        |             |            |     |    |     |     |     |               |         |      |            |  |
| 38595     | 5          | -     | 22        |             |            |     |    |     |     |     |               |         |      |            |  |
| 38596     | 17         | -     | 48        |             |            |     |    |     |     |     |               |         |      |            |  |
| 38597     | 6          | -     | 36        |             |            |     |    |     |     |     |               |         |      |            |  |

crystal rich volcanic sediment

massive qtz feldspar diorite with replaced biotite (cream)

mod foliation

late stage carbonate veins

albite alteration weakly through ground mass

small lenses of hematite / carbonate (discontinuous)

puggy, indurated fault zone

white rock conglomerate

glaucofanose 30-60% of rock with med ground

sericite and carbonate altered matrix

pre-Cambrian quartzite dots ± 1mm alteration ore common

REMARKS *sampled from 190.0 to 218.0*

806105

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005

SHEET 10 OF 12

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ⋯ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- \* Visible gold

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>15-02-75</u>         |
| LOGGED BY : <u>SUE CORLETT</u> |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS |    |    | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |      |      | GEOLOGY NOTES                                                                             | SUMMARY |            |
|------------|---------------------|---------------|----|----|---------|-------------|------------|------|-----|------|------|-------------------------------------------------------------------------------------------|---------|------------|
|            |                     | Cu            | Au | Zn |         |             | SIL.       | SER. | PY. | CHL. | HEM. |                                                                                           | ROCK    | ALTERATION |
| 184        | 38598               | -             | -  | 33 | S1      |             | /          | /    | /   | /    | /    | - clast compositions include rhyolite, hematite altered sandstone, quartzite (+ hematite) |         |            |
|            | 38599               | -             | -  | 35 | S0      |             | /          | /    | /   | /    | /    | - hm + gal mineralised clasts comprise <1% rock                                           |         |            |
| 186        | 38600               | -             | -  | 47 |         |             | /          | /    | /   | /    | /    | - cb (? silicate) veins & blebs - common interfracturing with hematite                    |         |            |
|            | 38601               | 6             | -  | 32 |         |             | /          | /    | /   | /    | /    | - av. clast size 0.5 - 3cm                                                                |         |            |
| 188        | 38602               | -             | -  | 29 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
|            | 38603               | 10            | -  | 24 |         |             | /          | /    | /   | /    | /    | - onset of hematite alteration & replacement of clasts & matrix                           |         |            |
| 190        | 38604               | 31            | -  | 30 | S1      |             | /          | /    | /   | /    | /    | - clasts commonly fractured (hematite infilled) and embayed.                              |         |            |
|            | 38605               | -             | -  | 31 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 192        | 38606               | 4             | -  | 35 | S0      |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
|            | 38607               | -             | -  | 35 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 194        | 38608               | 8             | -  | 28 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
|            | 38609               | 6             | -  | 28 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 196        | 38610               | 21            | -  | 35 | S1      |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
|            | 38611               | 20            | -  | 33 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 198        | 38612               | 18            | -  | 33 | S0      |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
|            | 38614               | 39            | -  | 30 |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 200        |                     |               |    |    |         |             | /          | /    | /   | /    | /    |                                                                                           |         |            |
| 202        |                     |               |    |    |         |             | /          | /    | /   | /    | /    | - local brecciation associated with carbonate veining.                                    |         |            |
| 204        |                     |               |    |    |         |             | /          | /    | /   | /    | /    | - hematite alteration halos around sandstone clast.                                       |         |            |

REMARKS Sampled from 190.0m to 218.0

806106

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005

SHEET 11 OF         

- Bedding
- ┌ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>15-02-95</u>         |
| LOGGED BY : <u>SUE CORLETT</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |       |      | GEOLOGY NOTES                                                                                                                                                                                                                                                                              | SUMMARY                                                                                                                                                               |      |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
|            |                     |               |                |             | SIL.       | SER. | PT. | CARB. | OXI. |                                                                                                                                                                                                                                                                                            | HEM.                                                                                                                                                                  | ROCK | ALTERATION |
| 204        |                     |               |                | 0.0         |            |      |     |       |      | <p>* clast supported conglomerate<br/>local clast compositions<br/>(1) rhyolite (qtz &amp; commonly embayed)<br/>(2) hematitic siltstone often fractured, brecciated or smeared into plane of foliation</p> <p>* large variation in clast size from 0.2cm to 10cm<br/>* poorly sorted.</p> |                                                                                                                                                                       |      |            |
| 206        |                     |               | S <sub>1</sub> | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 208        |                     |               | S <sub>0</sub> | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 210        |                     |               |                | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 212        |                     |               |                | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 214        |                     |               |                | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            | <p>* matrix support of conglomerate - sandy &amp; fine grained.</p> <p>* incidence of chlorite - sericite alteration &amp; sharp boundary to hematite alteration.</p> |      |            |
| 216        |                     |               | S <sub>0</sub> | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 218        |                     |               |                | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            | <p>* clasts become smaller &amp; more w. defined<br/>* lithic clasts smeared into plane of foliation<br/>* 5% rhyolite clasts - fractured &amp; matrix siliceous</p>  |      |            |
| 220        |                     |               | S <sub>1</sub> | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |
| 222        |                     |               | S <sub>0</sub> | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            | <p>* locally transitional to<br/>* clast supported conglom.</p>                                                                                                       |      |            |
| 224        |                     |               |                | 0.0         |            |      |     |       |      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                       |      |            |

REMARKS 806107

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR005  
 SHEET 12 OF \_\_\_\_\_

- |                |                |
|----------------|----------------|
| — Bedding      | Disseminated   |
| └ Cleavage     | Massive        |
| ▲ Foliation    | Pervasive      |
| ~ Fault, Shear | Narrow vein    |
| Breccia        | * Visible gold |
| Broken core    |                |

|                                |
|--------------------------------|
| PROJECT :                      |
| PROSPECT : <u>GARFIELD</u>     |
| DATE : <u>15-02-95</u>         |
| LOGGED BY : <u>SUE CORLETT</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     |      |      | GEOLOGY NOTES                                                                                                                                                         | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PY. | CHL. | HEM. |                                                                                                                                                                       | ROCK    | ALTERATION |
| 224        |                     |               |         |             |            |      |     |      |      | x well sorted lithic clasts<br>- elongate & smeared<br>into plane of foliation<br><br>x graded beds av. 1-2m<br>thickness; coarse bases<br>x matrix supported conglom |         |            |
| 226        |                     |               |         |             |            |      |     |      |      |                                                                                                                                                                       |         |            |
| 228        |                     |               | S0      |             |            |      |     |      |      |                                                                                                                                                                       |         |            |
| 230        |                     |               |         |             |            |      |     |      |      |                                                                                                                                                                       |         |            |
| 232        |                     |               |         |             |            |      |     |      |      | x weakly silicified<br>with late stage<br>quartz veins.<br><br>COH 235.0m                                                                                             |         |            |
| 234        |                     |               | S1      |             |            |      |     |      |      |                                                                                                                                                                       |         |            |
| 236        |                     |               |         |             |            |      |     |      |      |                                                                                                                                                                       |         |            |

REMARKS 806108

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

Page: 1  
 09 March 95

| Sample | hole number | depth  | from depth to | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 | ANALAB Ag<br>ppm GA101 | ANALAB<br>Mn_a ppm<br>AAS | ANALAB Au<br>ppm GG309 | ANALAB<br>Au(r) ppm<br>GG3 | ANALAB<br>Au(s) ppm<br>GG3 | ANALAB<br>Ba_a ppm<br>GX40 |
|--------|-------------|--------|---------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|----------------------------|----------------------------|----------------------------|
| 38594  | GAR005      | 180.00 | 181.00        | 6.000                  | -5.000                 | 19.000                 | -2.000                 | 309.000                   | -0.008                 |                            |                            | 985.000                    |
| 38595  | GAR005      | 181.00 | 182.00        | 5.000                  | -5.000                 | 22.000                 | -2.000                 | 416.000                   | -0.008                 |                            |                            | 745.000                    |
| 38596  | GAR005      | 182.00 | 183.00        | 17.000                 | -5.000                 | 48.000                 | -2.000                 | 299.000                   | -0.008                 |                            |                            | 585.000                    |
| 38597  | GAR005      | 183.00 | 184.00        | 6.000                  | -5.000                 | 36.000                 | -2.000                 | 176.000                   | -0.008                 |                            |                            | 1015.000                   |
| 38598  | GAR005      | 184.00 | 185.00        | -4.000                 | -5.000                 | 33.000                 | -2.000                 | 112.000                   | -0.008                 |                            |                            | 635.000                    |
| 38599  | GAR005      | 185.00 | 186.00        | -4.000                 | -5.000                 | 35.000                 | -2.000                 | 43.000                    | -0.008                 |                            |                            | 460.000                    |
| 38600  | GAR005      | 186.00 | 187.00        | -4.000                 | -5.000                 | 47.000                 | -2.000                 | 115.000                   | -0.008                 |                            |                            | 835.000                    |
| 38601  | GAR005      | 187.00 | 188.00        | 6.000                  | -5.000                 | 32.000                 | -2.000                 | 88.000                    | -0.008                 |                            |                            | 1035.000                   |
| 38602  | GAR005      | 188.00 | 189.00        | -4.000                 | -5.000                 | 29.000                 | -2.000                 | 117.000                   | -0.008                 |                            |                            | 960.000                    |
| 38603  | GAR005      | 189.00 | 190.00        | 10.000                 | -5.000                 | 24.000                 | -2.000                 | 104.000                   | -0.008                 |                            |                            | 1200.000                   |
| 38604  | GAR005      | 190.00 | 191.00        | 31.000                 | -5.000                 | 30.000                 | -2.000                 | 116.000                   | -0.008                 | 0.008                      |                            | 1205.000                   |
| 38605  | GAR005      | 191.00 | 192.00        | -4.000                 | -5.000                 | 31.000                 | -2.000                 | 118.000                   | -0.008                 |                            |                            | 1495.000                   |
| 38606  | GAR005      | 192.00 | 193.00        | 4.000                  | -5.000                 | 35.000                 | -2.000                 | 139.000                   | -0.008                 |                            |                            | 1190.000                   |
| 38607  | GAR005      | 193.00 | 194.00        | -4.000                 | -5.000                 | 35.000                 | -2.000                 | 145.000                   | -0.008                 |                            |                            | 1410.000                   |
| 38608  | GAR005      | 194.00 | 195.00        | 8.000                  | -5.000                 | 29.000                 | -2.000                 | 108.000                   | -0.008                 |                            |                            | 1205.000                   |
| 38609  | GAR005      | 195.00 | 196.00        | 6.000                  | -5.000                 | 28.000                 | -2.000                 | 104.000                   | -0.008                 |                            |                            | 1240.000                   |
| 38610  | GAR005      | 196.00 | 197.00        | 21.000                 | 6.000                  | 35.000                 | -2.000                 | 122.000                   | -0.008                 |                            |                            | 1345.000                   |
| 38611  | GAR005      | 197.00 | 198.00        | 20.000                 | 11.000                 | 33.000                 | -2.000                 | 119.000                   | -0.008                 |                            | -0.008                     | 1395.000                   |
| 38612  | GAR005      | 198.00 | 199.00        | 18.000                 | 8.000                  | 33.000                 | -2.000                 | 132.000                   | -0.008                 |                            |                            | 1375.000                   |
| 38614  | GAR005      | 199.00 | 200.00        | 39.000                 | 13.000                 | 30.000                 | -2.000                 | 138.000                   | -0.008                 | -0.008                     |                            | 1330.000                   |

|                  |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 0.000  | 0.000  | 2.000  | 5.000  | 0.008  | 0.008  | 0.008  | 0.008  | 10.000 |
| Method:          | GA140  | GA140  | GA140  | GA101  | AAS    | GG309  | GG309  | GG309  | GG309  | GX401  |

806109

## RGC EXPLORATION DRILL HOLE RECORD

|             |             |             |            |
|-------------|-------------|-------------|------------|
| HOLE NUMBER | GAR 006     | DRILLED BY  | D.D. TAS   |
| PROJECT     |             | NORTHING    | 5324966 mN |
| PROSPECT    | GARFIELD    | EASTING     | 379782 mE  |
| DESIGNED BY | S.W. HALLEY | RL          | 324 m      |
| LOGGED BY   | S.W. HALLEY | INCLINATION | -66        |
| COMMENCED   | 26/1/95     | AZIMUTH     | 063 AMG    |
| FINISHED    | 9/2/95      | EOH         | 259        |

### PURPOSE

|                                                 |
|-------------------------------------------------|
| THIS HOLE WAS DESIGNED TO TEST THE NORTHWARD    |
| CONTINUATION OF THE IP ANOMALY, 200m BEYOND THE |
| MINERALIZED INTERSECTION IN GAR003              |
|                                                 |

### SURVEY DATA












| DEPTH | INC.  | AZL  | DEPTH | INC.  | AZL  | DEPTH | INC. | AZL |
|-------|-------|------|-------|-------|------|-------|------|-----|
| 0     | -66   | 63   | 210   | -57.2 | 61   |       |      |     |
| 30    | -66   | 63   | 240   | -54.8 | 61   |       |      |     |
| 60    | -65.3 | 62.5 | 259   | -53.2 | 61.5 |       |      |     |
| 90    | -62.9 | 62.5 |       |       |      |       |      |     |
| 120   | -62.4 | 62   |       |       |      |       |      |     |
| 150   | -59.5 | 61.5 |       |       |      |       |      |     |
| 180   | -58.8 | 61.5 |       |       |      |       |      |     |

### DRILLING DATA


















| HOLE SIZE | DEPTH | COMMENTS |
|-----------|-------|----------|
| TRICONE   | 2     |          |
| HQ        | 77.8  |          |
| NQ        | 259.2 |          |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006  
 SHEET 1 OF 13

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                                |
|--------------------------------|
| PROJECT : <u>GARFIELD</u>      |
| PROSPECT :                     |
| DATE : <u>21/2/95</u>          |
| LOGGED BY : <u>S.W. HALLEY</u> |

| HOLE DEPTH<br>m | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG                                                                         | ALTERATION |      |      | GEOLOGY NOTES                                                                               | SUMMARY |            |
|-----------------|---------------------|---------------|---------|-------------------------------------------------------------------------------------|------------|------|------|---------------------------------------------------------------------------------------------|---------|------------|
|                 |                     |               |         |                                                                                     | SIL        | SER. | PHY. |                                                                                             | ROCK    | ALTERATION |
| 0               |                     |               |         |                                                                                     |            |      |      | 0-2.0 TRICONE                                                                               |         |            |
| 1               |                     |               |         |                                                                                     |            |      |      |                                                                                             |         |            |
| 2               |                     |               |         |                                                                                     |            |      |      | 2.0 - 28.0                                                                                  |         |            |
| 3               |                     |               |         |    |            |      |      | crystal-rich andesite with abundant coarse feldspar phenocrysts and chloritized ferro-mags. |         |            |
| 4               |                     |               |         |    |            |      |      |                                                                                             |         |            |
| 5               |                     |               |         |    |            |      |      |                                                                                             |         |            |
| 6               |                     |               |         |   |            |      |      |                                                                                             |         |            |
| 7               |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 8               |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 9               |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 10              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 11              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 12              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 13              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 14              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 15              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 16              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 17              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 18              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 19              |                     |               |         |  |            |      |      |                                                                                             |         |            |
| 20              |                     |               |         |  |            |      |      |                                                                                             |         |            |

REMARKS

806111

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 2 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▣ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                           |
|---------------------------|
| PROJECT : <u>GARFIELD</u> |
| PROSPECT :                |
| DATE :                    |
| LOGGED BY :               |












| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                                                                                    | SUMMARY |            |
|------------|---------------------|---------------|-----------------|-------------|------------|------|-----|--------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                 |             | SIL.       | SER. | PY. |                                                                                                  | ROCK    | ALTERATION |
| 21         |                     |               | /s <sub>1</sub> | ↑ ↑         |            |      |     |                                                                                                  |         |            |
| 22         |                     |               |                 | ↑ ↑         |            |      |     |                                                                                                  |         |            |
| 23         |                     |               | /s <sub>1</sub> | ↑ ↑         |            |      |     |                                                                                                  |         |            |
| 24         |                     |               |                 | ↑ ↑         |            |      |     |                                                                                                  |         |            |
| 25         |                     |               | ▣               | ↑ ↑         |            |      |     | Substantial core loss<br>between 24.5 and 28.5 m                                                 |         |            |
| 26         |                     |               | /s <sub>1</sub> | ↑ ↑         |            |      |     |                                                                                                  |         |            |
| 27         |                     |               | ▣               | ↑           |            |      |     | quartz vein<br>28.0 - 60.4                                                                       |         |            |
| 28         |                     |               |                 | ↑           |            |      |     |                                                                                                  |         |            |
| 29         |                     |               | ▣               | └           |            |      |     | sparsely feldspar phyric<br>dacitic lava with an<br>homogeneous pale fine-grained<br>groundmass. |         |            |
| 30         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 31         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 32         |                     |               | ▣               | └           |            |      |     | core loss                                                                                        |         |            |
| 33         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 34         |                     |               | ▣               | └           |            |      |     | quartz vein                                                                                      | GYI     | LDF        |
| 35         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 36         |                     |               | ▣               | └           |            |      |     |                                                                                                  |         |            |
| 37         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 38         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 39         |                     |               |                 | └           |            |      |     |                                                                                                  |         |            |
| 40         |                     |               | ▣               | └           |            |      |     | 39.4 - 40.8 qtz vein                                                                             |         |            |

REMARKS

806112

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006  
 SHEET 3 OF 13

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS |    |     | STRUCT.       | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                                                                                                                                                                                             | SUMMARY |            |
|------------|---------------------|---------------|----|-----|---------------|-------------|------------|------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     | Cu            | Au | Zn  |               |             | SIL        | SER. | PY. |                                                                                                                                                                                                           | ROCK    | ALTERATION |
| 41         |                     |               |    |     | [Broken Core] | ┌           |            |      |     | broken, limonite stained<br><br><br><br><br>quartz vein<br><br>sooty black mineral associated with the pyrite, may be partly oxidized pyrite<br><br><br><br><br><br><br><br><br><br>S <sub>1</sub> 35° CA |         |            |
| 42         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 43         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 44         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 45         | 38615               | 45            | -  | 35  | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 46         | 38616               | 55            | -  | 98  | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 47         | 38617               | 10            | -  | 162 | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 48         | 38618               | 8             | -  | 130 | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 49         | 38619               | 7             | -  | 165 | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 50         | 38621               | 9             | -  | 78  | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 51         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 52         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 53         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 54         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 55         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 56         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 57         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 58         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 59         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |
| 60         |                     |               |    |     | ┌             |             |            |      |     |                                                                                                                                                                                                           |         |            |

REMARKS

806113

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 4 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |       | GEOLOGY NOTES              | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|-------|----------------------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PY. | CARB. |                            | ROCK    | ALTERATION |
| 61         |                     |               |                |             |            |      |     |       | shearing along the contact |         |            |
| 62         |                     |               |                |             |            |      |     |       |                            |         |            |
| 63         |                     |               |                |             |            |      |     |       |                            |         |            |
| 64         |                     |               |                |             |            |      |     |       |                            |         |            |
| 65         |                     |               | S <sub>1</sub> |             |            |      |     |       |                            |         |            |
| 66         |                     |               |                |             |            |      |     |       |                            |         |            |
| 67         |                     |               |                |             |            |      |     |       |                            |         |            |
| 68         |                     |               |                |             |            |      |     |       |                            |         |            |
| 69         |                     |               |                |             |            |      |     |       |                            |         |            |
| 70         |                     |               | S <sub>1</sub> |             |            |      |     |       |                            |         |            |
| 71         |                     |               |                |             |            |      |     |       |                            |         |            |
| 72         |                     |               |                |             |            |      |     |       |                            |         |            |
| 73         |                     |               |                |             |            |      |     |       |                            |         |            |
| 74         |                     |               |                |             |            |      |     |       |                            |         |            |
| 75         |                     |               | S <sub>1</sub> |             |            |      |     |       |                            |         |            |
| 76         |                     |               |                |             |            |      |     |       |                            |         |            |
| 77         |                     |               |                |             |            |      |     |       |                            |         |            |
| 78         |                     |               |                |             |            |      |     |       |                            |         |            |
| 79         |                     |               |                |             |            |      |     |       |                            |         |            |
| 80         |                     |               |                |             |            |      |     |       |                            |         |            |

62-7-80-1  
 This unit could be either a lava or a volcaniclastic. It is heterogeneously altered, with irregular, diffusely bounded, alternating domains of sericitic and silicic alteration. The uniform distribution of quartz phenos throughout and the diffuse boundaries suggests that the sericitic domains are not altered clasts. More likely to be weak development of a spaced cleavage. The silicified domains are brittlely fractured and filled with carbonate veinlets.  
 The top 3 m has a more clastic nature.

REMARKS 806114

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006  
 SHEET 5 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- PAVS  
DAGB Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ↖ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG  | ALTERATION |      |     |      | GEOLOGY NOTES                                                                   | SUMMARY |            |
|------------|---------------------|---------------|----------------|--------------|------------|------|-----|------|---------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |              | SIL.       | SER. | PY. | CARB |                                                                                 | ROCK    | ALTERATION |
| 80         |                     |               |                | 1 1 1 4 M 12 |            |      |     |      | 80-1 - 80.6 basalt(?) dyke<br>sericitized                                       | IB      |            |
| 82         |                     |               |                | ▨            |            |      |     |      | 80.6 - 85.5                                                                     |         |            |
| 83         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 84         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 85         |                     |               | S <sub>1</sub> | ▨            |            |      |     |      |                                                                                 |         | LRQ        |
| 86         |                     |               | CONTACT        | ▨            |            |      |     |      | 85.5 - 90.0<br>fine-grained mafic dyke<br>pale green, moderately<br>sericitized |         |            |
| 87         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 88         |                     |               | S <sub>1</sub> | ▨            |            |      |     |      |                                                                                 |         | IBF        |
| 89         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 90         |                     |               | CONTACT        | ▨            |            |      |     |      | 90.0 - 111.7<br>pale green quartz phyric<br>rhyolite lava                       |         |            |
| 91         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 92         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 93         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 94         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 95         |                     |               | S <sub>1</sub> | ▨            |            |      |     |      | S <sub>1</sub> 40° CA                                                           |         | LRQ        |
| 96         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 97         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 98         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 99         |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| 100        |                     |               |                | ▨            |            |      |     |      |                                                                                 |         |            |
| REMARKS    |                     |               |                |              |            |      |     |      |                                                                                 |         |            |
|            |                     |               |                |              |            |      |     |      |                                                                                 |         | 806115     |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 6 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                           |
|---------------------------|
| PROJECT : <u>GARFIELD</u> |
| PROSPECT :                |
| DATE :                    |
| LOGGED BY :               |












| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |       | GEOLOGY NOTES                                                                                                        | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|-------|----------------------------------------------------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PY. | CARB. |                                                                                                                      | ROCK    | ALTERATION |
| 101        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 102        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 103        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 104        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 105        |                     |               | S <sub>1</sub> | —           |            |      |     |       | S <sub>1</sub> 50° CA                                                                                                |         |            |
| 106        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 107        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 108        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         | LRQ        |
| 109        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 110        |                     |               | S <sub>1</sub> | —           |            |      |     |       |                                                                                                                      |         |            |
| 111        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 112        |                     |               | CONTACT        | V           |            |      |     |       | 111.7 - 113.0<br>coarse feldspar pheno's altered to<br>green sericite ferro-mag pheno's<br>pseudomorphed by fuchsite |         | IBF        |
| 113        |                     |               |                | V           |            |      |     |       | 113.0 - 114.6                                                                                                        |         |            |
| 114        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 115        |                     |               | S <sub>1</sub> | —           |            |      |     |       |                                                                                                                      |         |            |
| 116        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         | LRQ        |
| 117        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 118        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |
| 119        |                     |               |                | —           |            |      |     |       | qtz - carb vein running down the<br>core                                                                             |         |            |
| 120        |                     |               |                | —           |            |      |     |       |                                                                                                                      |         |            |

REMARKS

806116

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006  
 SHEET 7 OF 13

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |   |   |   |    |      | ALTERATION | GEOLOGY NOTES | SUMMARY |     |      |
|------------|---------------------|---------------|---------|-------------|---|---|---|----|------|------------|---------------|---------|-----|------|
|            |                     |               |         | 16-1        | 1 | 4 | 8 | 22 | SIL. |            |               | SER.    | BY. | ROCK |
| 121        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 122        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 123        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 124        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 125        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 126        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 127        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 128        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 129        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 130        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 131        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 132        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 133        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 134        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 135        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 136        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 137        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 138        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 139        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |
| 140        |                     |               |         |             |   |   |   |    |      |            |               |         |     |      |

REMARKS 806117

# RGC EXPLORATION PTY LTD

DRILL HOLE No CAR006

SHEET 8 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- △ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG |   |   |   |   |   |   |   | ALTERATION | GEOLOGY NOTES | SUMMARY                                                                                             |    |      |
|------------|---------------------|---------------|----------------|-------------|---|---|---|---|---|---|---|------------|---------------|-----------------------------------------------------------------------------------------------------|----|------|
|            |                     |               |                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 |            |               | 9                                                                                                   | 10 | ROCK |
| 141        |                     |               |                |             |   |   |   |   |   |   |   |            |               | rhyolite lava? with a coarse fragmental texture highlighted by selective sericite-silica alteration |    |      |
| 142        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 143        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 144        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 145        |                     |               | CONTACT        |             |   |   |   |   |   |   |   |            |               | 144.6 - 145.6                                                                                       |    | IBF  |
| 146        |                     |               | CONTACT        |             |   |   |   |   |   |   |   |            |               | 145.6 - 184.3                                                                                       |    |      |
| 147        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 148        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 149        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 150        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |   |   |            |               | S <sub>1</sub> 45° CA                                                                               |    |      |
| 151        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 152        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 153        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 154        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 155        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 156        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 157        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 158        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 159        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |
| 160        |                     |               |                |             |   |   |   |   |   |   |   |            |               |                                                                                                     |    |      |

REMARKS

806118

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 9 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |   | STRUCT.        | GRAPHIC LOG                                                 | ALTERATION |      |      |      |      | GEOLOGY NOTES                                             | SUMMARY |            |
|------------|---------------------|---------------|---|----------------|-------------------------------------------------------------|------------|------|------|------|------|-----------------------------------------------------------|---------|------------|
|            |                     |               |   |                |                                                             | SIL.       | SER. | P.Y. | CHL. | SPH. |                                                           | ROCK    | ALTERATION |
| 161        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 162        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 163        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 164        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 165        |                     |               |   | S <sub>1</sub> | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      | S <sub>1</sub> 50° CA                                     |         |            |
| 166        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 167        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 168        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 169        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 170        |                     |               |   | S <sub>1</sub> | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 171        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 172        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 173        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 174        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 175        |                     |               |   | S <sub>1</sub> | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 176        |                     |               |   |                | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 177        |                     |               |   | VEIN           | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      | carbonate vein with coarse slugs of sphalerite and galena |         |            |
| 178        | 38622               | 7             | - | 34             | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 179        | 38623               | 36            | - | 863            | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |
| 180        | 38624               | 4             | - | 38             | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 |            |      |      |      |      |                                                           |         |            |

REMARKS

806119

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 10 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS |    |     | STRUCT. | GRAPHIC LOG              |   |   |   |   |   |   |   |   |    |    |    | ALTERATION | GEOLOGY NOTES | SUMMARY |      |     |
|------------|---------------------|---------------|----|-----|---------|--------------------------|---|---|---|---|---|---|---|---|----|----|----|------------|---------------|---------|------|-----|
|            |                     | Cu            | Au | Zn  |         | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |            |               | SIL.    | SER. | PT. |
| 181        | 38625               | -             | -  | 37  | ▨       | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 182        | 38626               | 4             | -  | 121 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 183        | 38627               | -             | -  | 163 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 184        | 38628               | 5             | -  | 92  |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 185        | 38629               | 7             | -  | 828 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | IB  |
| 186        | 38630               | 50            | -  | 239 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 187        | 38631               | 26            | -  | 197 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 188        | 38632               | 11            | -  | 163 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 189        | 38633               | 8             | -  | 171 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 190        | 38634               | 22            | -  | 347 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | IB  |
| 191        | 38635               | 31            | -  | 91  |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 192        | 38636               | 30            | -  | 48  |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 193        | 38637               | 8             | -  | 175 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 194        | 38638               | 7             | -  | 151 |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 195        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | IBF |
| 196        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 197        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 198        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      | LRQ |
| 199        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |
| 200        |                     |               |    |     |         | [Hand-drawn log symbols] |   |   |   |   |   |   |   |   |    |    |    |            |               |         |      |     |

184.3 - 185.0 fuchsite flecks  
 185.0 - 185.5  
 185.5 - 186.4

189.4 - 189.8  
 190.0 - 190.1  
 190.1 - 194.1

194.1 - 195.0  
 195.0 - 254.4












REMARKS

806120

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 11 OF 13

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |   |   |   |   |   |   |   |      |      | ALTERATION | GEOLOGY NOTES         | SUMMARY |      |            |
|------------|---------------------|---------------|---------|-------------|---|---|---|---|---|---|---|------|------|------------|-----------------------|---------|------|------------|
|            |                     |               |         | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | SIL. | SER. |            |                       | PY.     | ROCK | ALTERATION |
| 201        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 202        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 203        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 204        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 205        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            | S <sub>1</sub> 50° CA |         |      |            |
| 206        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 207        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 208        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 209        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 210        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 211        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 212        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 213        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 214        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 215        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            | S <sub>1</sub> 50° CA |         |      |            |
| 216        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 217        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 218        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 219        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 220        |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| REMARKS    |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |
| 806121     |                     |               |         |             |   |   |   |   |   |   |   |      |      |            |                       |         |      |            |

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 12 OF 13

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG |   |   |   |   |   | ALTERATION | GEOLOGY NOTES         | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|---|---|---|---|---|------------|-----------------------|---------|------------|
|            |                     |               |                | 1           | 2 | 3 | 4 | 5 | 6 |            |                       | ROCK    | ALTERATION |
| 221        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 222        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 223        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 224        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 225        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |            |                       |         |            |
| 226        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 227        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 228        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 229        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 230        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |            |                       |         |            |
| 231        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 232        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 233        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 234        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 235        |                     |               | S <sub>1</sub> |             |   |   |   |   |   |            | S <sub>1</sub> 50° CA |         |            |
| 236        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 237        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 238        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 239        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |
| 240        |                     |               |                |             |   |   |   |   |   |            |                       |         |            |

REMARKS

806122

# RGC EXPLORATION PTY LTD

DRILL HOLE No GAR006

SHEET 13 OF 13

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

|             |          |
|-------------|----------|
| PROJECT :   | GARFIELD |
| PROSPECT :  |          |
| DATE :      |          |
| LOGGED BY : |          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|---------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PY. |               | ROCK    | ALTERATION |
| 241        |                     |               |                |             |            |      |     |               |         |            |
| 242        |                     |               |                |             |            |      |     |               |         |            |
| 243        |                     |               |                |             |            |      |     |               |         |            |
| 244        |                     |               |                |             |            |      |     |               |         |            |
| 245        |                     |               | S <sub>1</sub> |             |            |      |     |               |         |            |
| 246        |                     |               |                |             |            |      |     |               |         |            |
| 247        |                     |               |                |             |            |      |     |               |         |            |
| 248        |                     |               |                |             |            |      |     |               |         |            |
| 249        |                     |               |                |             |            |      |     |               |         |            |
| 250        |                     |               |                |             |            |      |     |               |         |            |
| 251        |                     |               |                |             |            |      |     |               |         |            |
| 252        |                     |               |                |             |            |      |     |               |         |            |
| 253        |                     |               |                |             |            |      |     |               |         |            |
| 254        |                     |               |                |             |            |      |     |               |         |            |
| 255        |                     |               |                |             |            |      |     |               |         |            |
| 256        |                     |               |                |             |            |      |     |               |         |            |
| 257        |                     |               |                |             |            |      |     |               |         |            |
| 258        |                     |               |                |             |            |      |     |               |         |            |
| 259        |                     |               |                |             |            |      |     |               |         |            |
| 260        |                     |               |                |             |            |      |     |               |         |            |

254.4 - 259.2  
 pheno-rich andesite with  
 abundant feldspars, chloritized  
 ferro-mags and magnetite  
 256 - 256.6, feldspars are  
 red (hematitic albite?)

259.2 EOH

LAF

|         |        |
|---------|--------|
| REMARKS | 806123 |
|---------|--------|

| Sample | hole number | depth  | depth to | ANALAB Cu<br>ppm GA14D | ANALAB Pb<br>ppm GA14D | ANALAB Zn<br>ppm GA14D | ANALAB Ag<br>ppm GA101 | ANALAB Au<br>ppm GG309 |
|--------|-------------|--------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 38615  | GAR006      | 44.00  | 45.00    | 45.000                 | 48.000                 | 95.000                 | -2.000                 | -0.008                 |
| 38616  | GAR006      | 45.00  | 46.00    | 55.000                 | 43.000                 | 98.000                 | -2.000                 | -0.008                 |
| 38617  | GAR006      | 46.00  | 47.00    | 10.000                 | 34.000                 | 162.000                | -2.000                 | -0.008                 |
| 38618  | GAR006      | 47.00  | 48.00    | 8.000                  | 22.000                 | 130.000                | -2.000                 | -0.008                 |
| 38619  | GAR006      | 48.00  | 49.00    | 7.000                  | -5.000                 | 165.000                | -2.000                 | -0.008                 |
| 38621  | GAR006      | 49.00  | 50.00    | 9.000                  | 6.000                  | 78.000                 | -2.000                 | -0.008                 |
| 38622  | GAR006      | 177.00 | 178.00   | 7.000                  | 14.000                 | 34.000                 | -2.000                 | -0.008                 |
| 38623  | GAR006      | 178.00 | 179.00   | 36.000                 | 172.000                | 863.000                | -2.000                 | -0.008                 |
| 38624  | GAR006      | 179.00 | 180.00   | 4.000                  | 25.000                 | 38.000                 | -2.000                 | -0.008                 |
| 38625  | GAR006      | 180.00 | 181.00   | -4.000                 | 37.000                 | 37.000                 | -2.000                 | -0.008                 |
| 38626  | GAR006      | 181.00 | 182.00   | 4.000                  | 55.000                 | 121.000                | -2.000                 | -0.008                 |
| 38627  | GAR006      | 182.00 | 183.00   | -4.000                 | 57.000                 | 163.000                | -2.000                 | -0.008                 |
| 38628  | GAR006      | 183.00 | 184.00   | 5.000                  | 40.000                 | 92.000                 | -2.000                 | -0.008                 |
| 38629  | GAR006      | 184.00 | 185.00   | 7.000                  | 182.000                | 828.000                | -2.000                 | -0.008                 |
| 38630  | GAR006      | 185.00 | 186.00   | 50.000                 | 97.000                 | 239.000                | -2.000                 | -0.008                 |
| 38631  | GAR006      | 186.00 | 187.00   | 26.000                 | 58.000                 | 197.000                | -2.000                 | -0.008                 |
| 38632  | GAR006      | 187.00 | 188.00   | 11.000                 | 51.000                 | 163.000                | -2.000                 | -0.008                 |
| 38633  | GAR006      | 188.00 | 189.00   | 8.000                  | 27.000                 | 171.000                | -2.000                 | -0.008                 |
| 38634  | GAR006      | 189.00 | 190.00   | 22.000                 | 60.000                 | 347.000                | -2.000                 | -0.008                 |
| 38635  | GAR006      | 190.00 | 191.00   | 31.000                 | 38.000                 | 91.000                 | -2.000                 | -0.008                 |
| 38636  | GAR006      | 191.00 | 192.00   | 30.000                 | 29.000                 | 48.000                 | -2.000                 | -0.008                 |
| 38637  | GAR006      | 192.00 | 193.00   | 8.000                  | 81.000                 | 175.000                | -2.000                 | -0.008                 |
| 38638  | GAR006      | 193.00 | 194.00   | 7.000                  | 48.000                 | 151.000                | -2.000                 | -0.008                 |

|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 0.000  | 0.000  | 2.000  | 0.008  |
| Method:          | GA140  | GA140  | GA140  | GA101  | GG309  |

806124

GOLD FIELDS EXPLORATION PTY. LIMITED  
 DRILL CORE RECORD

HOLE NO.: W5008  
 STATE :

LV. PAGE 0

|             |               |         |
|-------------|---------------|---------|
| PROJECT     | WEST SEDGWICK | PURPOSE |
| DESIGNED BY | S. Halley     |         |
| LOGGED BY   | S. HALLEY     |         |
| COMMENCED   | 1/6/1994      |         |
| COMPLETED   | 19/8/1994     |         |

|                  |
|------------------|
| LOG SUMMARY      |
| GENERAL COMMENTS |

| SSAY SUMMARY |    |      |    |  |  |  |  |  |  |  | COMMENTS |
|--------------|----|------|----|--|--|--|--|--|--|--|----------|
| INTERVAL     |    | From | To |  |  |  |  |  |  |  |          |
| From         | To |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |
|              |    |      |    |  |  |  |  |  |  |  |          |

|          |         |
|----------|---------|
| NORTHING | 5346131 |
| EASTING  | 381286  |
| R.L.     | 495     |
| GRID     | AMG     |
| LENGTH   | 652.1   |

| HOLE CONDITION |       |
|----------------|-------|
| SIZE           |       |
| Hole Size      | Depth |
| TRICONS        | 3     |
| HR             | 92.5  |
| NQ             | 625.1 |
|                |       |
|                |       |
|                |       |
|                |       |

| 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 |         |       | INTERVAL |     |          | VERTICAL  |      | HORIZONTAL |             | SURVEY |         |       | INTERVAL |     |          | VERTICAL  |      | HORIZONTAL |             |
|--------|---------|-------|----------|-----|----------|-----------|------|------------|-------------|--------|---------|-------|----------|-----|----------|-----------|------|------------|-------------|
| Depth  | Bearing | Dip   | From     | To  | Distance | D Sin Dip | R.L. | D Cos Dip  | Prog. Total | Depth  | Bearing | Dip   | From     | To  | Distance | D Sin Dip | R.L. | D Cos Dip  | Prog. Total |
| 0      | 90      | -75.0 | 0        | 30  | 30       |           |      |            |             | 390    | 076     | -70.5 | 375      | 405 | 30       |           |      |            |             |
| 60     | 87.5    | -74.5 | 30       | 75  | 45       |           |      |            |             | 420    | 80      | -70   | 405      | 435 |          |           |      |            |             |
| 90     | 81      | -73.5 | 75       | 105 | 30       |           |      |            |             | 450    | 75      | -68.7 | 435      | 465 |          |           |      |            |             |
| 120    | 79      | -74   | 105      | 135 | 30       |           |      |            |             | 480    | 70.5    | -64   | 465      | 495 |          |           |      |            |             |
| 150    | 79      | -74   | 135      | 165 | 30       |           |      |            |             | 510    | 72.5    | -62.5 | 495      | 525 |          |           |      |            |             |
| 180    | 80      | -73   | 165      | 195 | 30       |           |      |            |             | 540    | 69.5    | -59.3 | 525      | 570 |          |           |      |            |             |
| 210    | 80      | 73    | 195      | 225 | 30       |           |      |            |             | 600    | 67.5    | -55.2 | 570      | 615 |          |           |      |            |             |
| 240    | 78      | -72.5 | 225      | 255 | 30       |           |      |            |             | 630    | 67      | -54   | 615      | 645 |          |           |      |            |             |
| 270    | 82      | 71.5  | 255      | 285 | 30       |           |      |            |             | 652.1  |         |       |          |     |          |           |      |            |             |
| 300    | 76.5    | 71.5  | 285      | 315 | 30       |           |      |            |             |        |         |       |          |     |          |           |      |            |             |
| 330    | 81      | 71.2  | 315      | 345 | 30       |           |      |            |             |        |         |       |          |     |          |           |      |            |             |
| 360    | 79.5    | 72.0  | 345      | 375 | 30       |           |      |            |             |        |         |       |          |     |          |           |      |            |             |

806125.



# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 2 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▣ Broken core
- ▤ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 22/8/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|---------------|---------|------------|
|            |                     |               |         |             |            |               | ROCK    | ALTERATION |
| 21         |                     |               |         | 1<br>16     |            |               |         |            |
| 22         |                     |               |         | 1<br>4      |            |               |         |            |
| 23         |                     |               |         | 1<br>4      |            |               |         |            |
| 24         |                     |               |         | 16<br>32    |            |               |         |            |
| 25         |                     |               |         | SIL.        |            |               |         |            |
| 26         |                     |               |         | SER.        |            |               |         |            |
| 27         |                     |               |         | PY.         |            |               |         |            |
| 28         |                     |               |         |             |            | 27.5-30.5     |         | VDFM       |
| 29         |                     |               |         |             |            |               |         |            |
| 30         |                     |               |         |             |            |               |         |            |
| 31         |                     |               |         |             |            | 30.5-78.6     |         | VDFE       |
| 32         |                     |               |         |             |            |               |         |            |
| 33         |                     |               |         |             |            |               |         |            |
| 34         |                     |               |         |             |            |               |         |            |
| 35         |                     |               |         |             |            |               |         |            |
| 36         |                     |               |         |             |            |               |         |            |
| 37         |                     |               |         |             |            |               |         |            |
| 38         |                     |               |         |             |            |               |         |            |
| 39         |                     |               |         |             |            |               |         |            |

REMARKS

806127

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

SHEET 3 OF           

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 22/8/94       |
| LOGGED BY : | SWH           |












| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION          | GEOLOGY NOTES                                                         | SUMMARY   |      |            |
|------------|---------------------|---------------|---------|-------------|---------------------|-----------------------------------------------------------------------|-----------|------|------------|
|            |                     |               |         |             |                     |                                                                       | FORMATION | ROCK | ALTERATION |
| 41         |                     |               |         | 1 1 4 * 2   | SIL.<br>SER.<br>PY. |                                                                       |           |      |            |
| 42         |                     |               |         |             |                     |                                                                       |           |      |            |
| 43         |                     |               |         |             |                     |                                                                       |           |      |            |
| 44         |                     |               | ▨       |             |                     |                                                                       |           |      |            |
| 45         |                     |               |         |             |                     |                                                                       |           |      |            |
| 46         |                     |               |         |             |                     |                                                                       |           |      |            |
| 47         |                     |               |         |             |                     |                                                                       |           |      |            |
| 48         |                     |               |         |             |                     |                                                                       |           |      |            |
| 49         |                     |               |         |             |                     |                                                                       |           |      |            |
| 50         |                     |               | 50      |             |                     | pale green to pale orange, moderately x'tal-rich, moderately foliated | Ecv       | VDFM |            |
| 51         |                     |               |         |             |                     |                                                                       |           |      |            |
| 52         |                     |               |         |             |                     |                                                                       |           |      |            |
| 53         |                     |               |         |             |                     |                                                                       |           |      |            |
| 54         |                     |               | 54      |             |                     |                                                                       |           |      |            |
| 55         |                     |               |         |             |                     |                                                                       |           |      |            |
| 56         |                     |               |         |             |                     |                                                                       |           |      |            |
| 57         |                     |               | 57      |             |                     |                                                                       |           |      |            |
| 58         |                     |               |         |             |                     |                                                                       |           |      |            |
| 59         |                     |               |         |             |                     |                                                                       |           |      |            |

REMARKS

806128




























# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

SHEET 4 OF       

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>22/9/94</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.                                                                             | GRAPHIC LOG                                                                         | ALTERATION                                                                          |      |     |                                                                                     |       | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-----|-------------------------------------------------------------------------------------|-------|---------------|---------|------------|
|            |                     |               |                                                                                     |                                                                                     | SIL.                                                                                | SER. | PY. | CHL.                                                                                | CARB. |               | ROCK    | ALTERATION |
| 61         |                     |               |                                                                                     |    |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 62         |                     |               |                                                                                     |    |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 63         |                     |               |    |    |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 64         |                     |               |                                                                                     |    |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 65         |                     |               |                                                                                     |   |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 66         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 67         |                     |               |  |  |  |      |     |  |       |               |         |            |
| 68         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       | veins         |         |            |
| 69         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 70         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               | EcV     | VDFM       |
| 71         |                     |               |  |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 72         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 73         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 74         |                     |               |  |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 75         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 76         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 77         |                     |               |  |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 78         |                     |               |                                                                                     |  |                                                                                     |      |     |                                                                                     |       |               |         |            |
| 79         |                     |               |  |  |                                                                                     |      |     |                                                                                     |       | 78.6 - 80.2   | VDF     | VDFM       |

REMARKS

806129

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 5 OF           

- Bedding
- Cleavage
- Foliation
- Fault, Shear
- Breccia
- Broken core
- Disseminated
- Massive
- Pervasive
- Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH                                           | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |     |    |     |      | GEOLOGY NOTES                     | SUMMARY   |      |            |
|------------------------------------------------------|---------------------|---------------|---------|-------------|------------|-----|----|-----|------|-----------------------------------|-----------|------|------------|
|                                                      |                     |               |         |             | SIL        | SER | PY | CHL | CARB |                                   | FORMATION | ROCK | ALTERATION |
| 81                                                   |                     |               |         |             |            |     |    |     |      | 80.2 - 89.0<br><br>Devonian Veins |           |      |            |
| 82                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 83                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 84                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 85                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 86                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 87                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 88                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 89                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 90                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 91                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 92                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 93                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 94                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 95                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 96                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 97                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 98                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 99                                                   |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |
| 98.2 - 118.2<br>Basalt - pillow lava<br>amygdaloidal |                     |               |         |             |            |     |    |     |      |                                   |           |      |            |












REMARKS 806130



# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 7 OF           

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold











|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST GEDGWICK</u> |
| DATE : <u>23/8/94</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG                  | ALTERATION          | GEOLOGY NOTES                               | SUMMARY |            |
|------------|---------------------|---------------|----------------|------------------------------|---------------------|---------------------------------------------|---------|------------|
|            |                     |               |                |                              |                     |                                             | ROCK    | ALTERATION |
| 124        |                     |               |                | 1<br>1<br>1<br>4<br>18<br>22 | SIL.<br>SER.<br>PT. |                                             |         |            |
| 122        |                     |               |                |                              |                     |                                             |         |            |
| 123        |                     |               |                |                              |                     |                                             |         |            |
| 124        |                     |               |                |                              |                     |                                             |         |            |
| 125        |                     |               |                |                              |                     |                                             |         |            |
| 126        |                     |               | S <sub>1</sub> |                              |                     |                                             |         |            |
| 127        |                     |               |                |                              |                     |                                             | Cav     | VAFM       |
| 128        |                     |               |                |                              |                     |                                             |         |            |
| 129        |                     |               |                |                              |                     |                                             |         |            |
| 130        |                     |               |                |                              |                     |                                             |         |            |
| 131        |                     |               |                |                              |                     |                                             |         |            |
| 132        |                     |               | S <sub>0</sub> |                              |                     |                                             |         |            |
| 133        |                     |               |                | ✓<br>✓<br>✓                  |                     | <u>133.1 - 135.1</u>                        |         |            |
| 134        |                     |               |                |                              |                     | Basalt lava                                 | Eb      | LIB        |
| 135        |                     |               |                |                              |                     | <u>135.1 - 145.7</u>                        |         |            |
| 136        |                     |               |                |                              |                     | sandy to silty andesitic<br>volcaniclastics |         |            |
| 137        |                     |               | S <sub>0</sub> |                              |                     |                                             | Cav     | VAFM       |
| 138        |                     |               |                |                              |                     |                                             |         |            |
| 139        |                     |               |                |                              |                     |                                             |         |            |

REMARKS 806132

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

SHEET 8 OF           

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.              | GRAPHIC LOG | ALTERATION | GEOLOGY NOTES                                              | SUMMARY |            |  |
|------------|---------------------|---------------|----------------------|-------------|------------|------------------------------------------------------------|---------|------------|--|
|            |                     |               |                      |             |            |                                                            | ROCK    | ALTERATION |  |
| 141        |                     |               |                      |             |            |                                                            |         |            |  |
| 142        |                     |               |                      |             |            |                                                            |         |            |  |
| 143        |                     |               | <i>S<sub>0</sub></i> |             |            |                                                            |         |            |  |
| 144        |                     |               |                      |             |            |                                                            |         |            |  |
| 145        |                     |               |                      |             |            |                                                            |         |            |  |
| 146        |                     |               |                      |             |            |                                                            |         |            |  |
| 147        |                     |               |                      |             |            | 147.5 - 153.1<br>coarse angular polymict<br>volcaniclastic |         |            |  |
| 148        |                     |               |                      |             |            |                                                            |         |            |  |
| 149        |                     |               |                      |             |            |                                                            |         |            |  |
| 150        |                     |               |                      |             |            |                                                            |         |            |  |
| 151        |                     |               | <i>S<sub>1</sub></i> |             |            |                                                            |         |            |  |
| 152        |                     |               |                      |             |            |                                                            |         |            |  |
| 153        |                     |               |                      |             |            |                                                            |         |            |  |
| 154        |                     |               |                      |             |            | 153.1 - 158.4                                              |         |            |  |
| 155        |                     |               |                      |             |            |                                                            |         |            |  |
| 156        |                     |               | <i>S<sub>0</sub></i> |             |            |                                                            |         |            |  |
| 157        |                     |               |                      |             |            |                                                            |         |            |  |
| 158        |                     |               |                      |             |            |                                                            |         |            |  |
| 159        |                     |               |                      |             |            |                                                            |         |            |  |
| REMARKS    |                     |               |                      |             |            |                                                            | 806133  |            |  |

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⊠ Breccia
- ⊞ Broken core
- ▨ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 9 OF           

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG |   |   |   |   |   | ALTERATION |   |   | GEOLOGY NOTES | SUMMARY                                                                                   |   |     |
|------------|---------------------|---------------|-----------------|-------------|---|---|---|---|---|------------|---|---|---------------|-------------------------------------------------------------------------------------------|---|-----|
|            |                     |               |                 | 1           | 1 | 1 | 1 | 1 | 1 | 1          | 1 | 1 |               | 1                                                                                         | 1 | 1   |
| 161        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             | 158.4 - 185.0<br>massive andesite<br>green-grey<br>moderately foliated<br>locally pyritic |   |     |
| 162        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 163        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 164        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 165        |                     |               | /s <sub>1</sub> | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 166        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 167        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 168        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 169        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 170        |                     |               | /s <sub>1</sub> | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 171        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   | Ca  |
| 172        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   | LAP |
| 173        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 174        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 175        |                     |               | /s <sub>1</sub> | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 176        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 177        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 178        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |
| 179        |                     |               |                 | ^           | ^ | ^ | ^ | ^ | ^ | ^          | ^ | ^ | ^             |                                                                                           |   |     |












REMARKS

806134



# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 10 OF     

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>23/8/94</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.                                                                           | GRAPHIC LOG                                                                       | ALTERATION |     |    | GEOLOGY NOTES                                         | SUMMARY |            |
|------------|---------------------|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|-----|----|-------------------------------------------------------|---------|------------|
|            |                     |               |                                                                                   |                                                                                   | SIL        | SER | PZ |                                                       | ROCK    | ALTERATION |
| 181        |                     |               |                                                                                   | ^ ^                                                                               |            |     |    |                                                       |         |            |
| 182        |                     |               |                                                                                   | ^ ^                                                                               |            |     |    |                                                       |         |            |
| 183        |                     |               | /s <sub>1</sub>                                                                   | ^ ^                                                                               |            |     |    |                                                       | Ea      | LAF        |
| 184        |                     |               |                                                                                   | ^ ^                                                                               |            |     |    |                                                       |         |            |
| 185        |                     |               |  |  |            |     |    | 185.0 - 185.5 FAULT                                   |         |            |
| 186        |                     |               |                                                                                   | F F                                                                               |            |     |    | 185.5 - 214.0                                         |         |            |
| 187        |                     |               |                                                                                   | F F                                                                               |            |     |    | Dacite lava with abundant coarse feldspar pheno's.    |         |            |
| 188        |                     |               |                                                                                   | F F                                                                               |            |     |    | Appears to be a faulted-in slice of Central Sequence. |         |            |
| 189        |                     |               |                                                                                   | F F                                                                               |            |     |    | Becomes more and more foliated through this interval  |         |            |
| 190        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 191        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 192        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 193        |                     |               | /s <sub>1</sub>                                                                   | F F                                                                               |            |     |    |                                                       | Ecl     | LDF        |
| 194        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 195        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 196        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 197        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 198        |                     |               | /s <sub>1</sub>                                                                   | F F                                                                               |            |     |    |                                                       |         |            |
| 199        |                     |               |                                                                                   | F F                                                                               |            |     |    |                                                       |         |            |












REMARKS

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




# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 11 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>23/08/94</u>          |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.              | GRAPHIC LOG                                                                         | ALTERATION |      |     |     |      | GEOLOGY NOTES                                           | SUMMARY |             |
|------------|---------------------|---------------|----------------------|-------------------------------------------------------------------------------------|------------|------|-----|-----|------|---------------------------------------------------------|---------|-------------|
|            |                     |               |                      |                                                                                     | SIL.       | SER. | PY. | CHL | CAEB |                                                         | ROCK    | ALTERATION  |
| 201        |                     |               |                      |    |            |      |     |     |      |                                                         |         |             |
| 202        |                     |               |                      |    |            |      |     |     |      |                                                         |         |             |
| 203        |                     |               |                      |    |            |      |     |     |      |                                                         |         |             |
| 204        |                     |               |                      |    |            |      |     |     |      |                                                         |         |             |
| 205        |                     |               | <i>S<sub>1</sub></i> |    |            |      |     |     |      |                                                         |         |             |
| 206        |                     |               |                      |    |            |      |     |     |      |                                                         |         |             |
| 207        |                     |               |                      |  |            |      |     |     |      |                                                         |         |             |
| 208        |                     |               |                      |  |            |      |     |     |      |                                                         |         | <i>Ec1</i>  |
| 209        |                     |               |                      |  |            |      |     |     |      |                                                         |         | <i>LAF</i>  |
| 210        |                     |               | <i>S<sub>1</sub></i> |  |            |      |     |     |      |                                                         |         |             |
| 211        |                     |               |                      |  |            |      |     |     |      |                                                         |         |             |
| 212        |                     |               |                      |  |            |      |     |     |      |                                                         |         |             |
| 213        |                     |               |                      |  |            |      |     |     |      |                                                         |         |             |
| 214        |                     |               |                      |  |            |      |     |     |      |                                                         |         |             |
| 215        |                     |               |                      |  |            |      |     |     |      | <i>214.0 - 214.5 FAULT.</i>                             |         | <i>VA-F</i> |
| 216        |                     |               |                      |  |            |      |     |     |      | <i>215.1 - 249.1 (nodules of calcite) andesite lava</i> |         |             |
| 217        |                     |               |                      |  |            |      |     |     |      |                                                         |         | <i>Ca</i>   |
| 218        |                     |               |                      |  |            |      |     |     |      |                                                         |         | <i>LA</i>   |
| 219        |                     |               | <i>S<sub>1</sub></i> |  |            |      |     |     |      |                                                         |         |             |












REMARKS

806136

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 12 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold












|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>23/08/94</u>          |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG    |      |    |    |   |   | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |          |
|------------|---------------------|---------------|---------|----------------|------|----|----|---|---|------------|------|-----|---------------|---------|------------|----------|
|            |                     |               |         | 1/8"           | 1/4" | 1" | 4" | M | B | SIL.       | SER. | PY. |               | ROCK    | ALTERATION |          |
| 221        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 222        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 223        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 224        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 225        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 226        |                     |               |         | S <sub>1</sub> |      |    |    |   |   |            |      |     |               |         |            |          |
| 227        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 228        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 229        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 230        |                     |               |         | S <sub>1</sub> |      |    |    |   |   |            |      |     |               |         |            | Ca<br>LA |
| 231        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 232        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 233        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 234        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 235        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 236        |                     |               |         | S <sub>1</sub> |      |    |    |   |   |            |      |     |               |         |            |          |
| 237        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 238        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |
| 239        |                     |               |         |                |      |    |    |   |   |            |      |     |               |         |            |          |

REMARKS 806137

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

SHEET 13 OF \_\_\_\_\_

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                                                             | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------|------------|------|-----|---------------------------------------------------------------------------|---------|------------|
|            |                     |               |                |             | SIL.       | SER. | PY. |                                                                           | ROCK    | ALTERATION |
| 241        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 242        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 243        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 244        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 245        |                     |               | S <sub>1</sub> | ^ ^         |            |      |     |                                                                           |         |            |
| 246        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 247        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 248        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 249        |                     |               | Garnet         | ^ ^         |            |      |     |                                                                           |         |            |
| 250        |                     |               |                | ^ ^         |            |      |     | 249-1 - 250-2 SILTSTONE                                                   |         | LA         |
| 251        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 252        |                     |               | S <sub>0</sub> | ^ ^         |            |      |     |                                                                           |         | EAFM       |
| 253        |                     |               |                | ^ ^         |            |      |     | 252-8 - 262-5                                                             |         |            |
| 254        |                     |               |                | ^ ^         |            |      |     | Sandy x <sup>tal</sup> rich volcaniclastic<br>with small lithic fragments |         |            |
| 255        |                     |               | S <sub>1</sub> | ^ ^         |            |      |     |                                                                           |         |            |
| 256        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 257        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |
| 258        |                     |               |                | ^ ^         |            |      |     |                                                                           |         | EAFM       |
| 259        |                     |               |                | ^ ^         |            |      |     |                                                                           |         |            |












REMARKS

806133


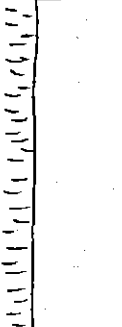






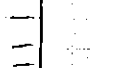
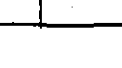
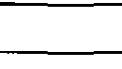

# RGC EXPLORATION PTY LTD

DRILL HOLE NO WS 008

SHEET 14 OF           

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 13/9/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG                                                                         | ALTERATION |      |     |      | GEOLOGY NOTES                                             | SUMMARY |            |
|------------|---------------------|---------------|----------------|-------------------------------------------------------------------------------------|------------|------|-----|------|-----------------------------------------------------------|---------|------------|
|            |                     |               |                |                                                                                     | SIL.       | SER. | PT. | CHL. |                                                           | ROCK    | ALTERATION |
| 261        |                     |               |                |    |            |      |     |      |                                                           |         |            |
| 262        |                     |               |                |   |            |      |     |      | 262.5 - 266.9<br>grey siltstone                           |         | E - F      |
| 263        |                     |               | S <sub>1</sub> |  |            |      |     |      |                                                           |         |            |
| 264        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 265        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 266        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 267        |                     |               |                |  |            |      |     |      | 266.9 - 269<br>lithic-rich breccia                        |         | EAFC       |
| 268        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 269        |                     |               |                |  |            |      |     |      | 269.0 - 316.0<br>grey to green poorly<br>bedded siltstone |         | EA - F     |
| 270        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 271        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 272        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 273        |                     |               | S <sub>0</sub> |  |            |      |     |      |                                                           |         |            |
| 274        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 275        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 276        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 277        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 278        |                     |               |                |  |            |      |     |      |                                                           |         |            |
| 279        |                     |               | S <sub>0</sub> |  |            |      |     |      |                                                           |         |            |

REMARKS 806139

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 15 OF \_\_\_\_\_

|                        |
|------------------------|
| PROJECT :              |
| PROSPECT :             |
| DATE : <u>13/9/94</u>  |
| LOGGED BY : <u>SMH</u> |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES          | SUMMARY |            |
|------------|---------------------|---------------|---------|-------------|------------|------|-----|------------------------|---------|------------|
|            |                     |               |         |             | SIL.       | SER. | PY. |                        | ROCK    | ALTERATION |
| 281        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 282        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 283        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 284        |                     |               |         | 1 2 4 8 22  |            |      |     | S <sub>0</sub> 10° CA. |         |            |
| 285        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 286        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 287        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 288        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 289        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 290        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 291        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 292        |                     |               |         | 1 2 4 8 22  |            |      |     | S <sub>0</sub> 5° CA   |         |            |
| 293        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 294        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 295        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 296        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 297        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 298        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |
| 299        |                     |               |         | 1 2 4 8 22  |            |      |     |                        |         |            |

REMARKS

806140

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 16 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |         |
|-------------|---------|
| PROJECT :   |         |
| PROSPECT :  |         |
| DATE :      | 13/9/94 |
| LOGGED BY : | SWH     |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG                | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|---------|----------------------------|------------|------|-----|---------------|---------|------------|
|            |                     |               |         |                            | SIL.       | SER. | PY. |               | ROCK    | ALTERATION |
| 301        |                     |               |         | 1<br>4<br>1<br>4<br>1<br>2 |            |      |     |               |         |            |
| 302        |                     |               |         |                            |            |      |     |               |         |            |
| 303        |                     |               |         |                            |            |      |     |               |         |            |
| 304        |                     |               |         |                            |            |      |     |               |         |            |
| 305        |                     |               |         |                            |            |      |     |               |         |            |
| 306        |                     |               |         |                            |            |      |     |               |         |            |
| 307        |                     |               |         |                            |            |      |     |               |         |            |
| 308        |                     |               |         |                            |            |      |     |               |         |            |
| 309        |                     |               |         |                            |            |      |     |               |         |            |
| 310        |                     |               |         |                            |            |      |     |               |         |            |
| 311        |                     |               |         |                            |            |      |     |               |         |            |
| 312        |                     |               |         |                            |            |      |     |               |         |            |
| 313        |                     |               |         |                            |            |      |     |               |         |            |
| 314        |                     |               |         |                            |            |      |     |               |         |            |
| 315        |                     |               |         |                            |            |      |     |               |         |            |
| 316        |                     |               |         |                            |            |      |     |               |         |            |
| 317        |                     |               |         |                            |            |      |     |               |         |            |
| 318        |                     |               |         |                            |            |      |     |               |         |            |
| 319        |                     |               |         |                            |            |      |     |               |         |            |

$S_0$  10° CA

$S_0$  // CA












316-0 - 400-0  
 feldspar + qtz phytic,  
 x'tal rich sandy  
 volcaniclastic  
 felds >> qtz

REMARKS

806141


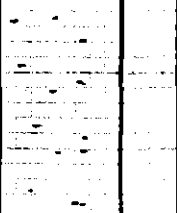

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

SHEET 17 OF       

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 13/9/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG                                                                         | ALTERATION |      |     | GEOLOGY NOTES                                          | SUMMARY                                                                                           |            |
|------------|---------------------|---------------|-----------------|-------------------------------------------------------------------------------------|------------|------|-----|--------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------|
|            |                     |               |                 |                                                                                     | SIL.       | SER. | PY. |                                                        | ROCK                                                                                              | ALTERATION |
| 321        |                     |               |                 |    |            |      |     | massive, unbedded<br>x'tal rich volcanoclastic<br>unit |                                                                                                   |            |
| 322        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 323        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 324        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 325        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 326        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 327        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 328        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 329        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 330        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 331        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 332        |                     |               | /S <sub>1</sub> |  |            |      |     |                                                        | 334-2 - 334-5 f.g. basalt dyke<br>very irregular, intruded into<br>unconsolidated volcanoclastic? |            |
| 333        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 334        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 335        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 336        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 337        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 338        |                     |               |                 |                                                                                     |            |      |     |                                                        |                                                                                                   |            |
| 339        |                     |               | /S <sub>2</sub> |  |            |      |     |                                                        |                                                                                                   |            |












VID 10 M

REMARKS 806142

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

SHEET 18 OF \_\_\_\_\_

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.          | GRAPHIC LOG |   |   |   |    |    |     | ALTERATION | GEOLOGY NOTES | SUMMARY                                                                               |    |      |
|------------|---------------------|---------------|------------------|-------------|---|---|---|----|----|-----|------------|---------------|---------------------------------------------------------------------------------------|----|------|
|            |                     |               |                  | N           | W | E | S | SE | SW | SIL |            |               | SER.                                                                                  | PY | ROCK |
| 341        |                     |               |                  |             |   |   |   |    |    |     |            |               | <p style="margin: 0;">increasing intensity of<br/>foliation through this<br/>unit</p> |    |      |
| 342        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 343        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 344        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 345        |                     |               | / S <sub>1</sub> |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 346        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 347        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 348        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 349        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 350        |                     |               | / S <sub>1</sub> |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 351        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 352        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 353        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 354        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 355        |                     |               | / S <sub>1</sub> |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 356        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 357        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 358        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |
| 359        |                     |               |                  |             |   |   |   |    |    |     |            |               |                                                                                       |    |      |

REMARKS

806143

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

SHEET 19 OF \_\_\_\_\_

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↖ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG |   |   |   |   | ALTERATION |   |   |   | GEOLOGY NOTES | SUMMARY |   |   |   |
|------------|---------------------|---------------|----------------|-------------|---|---|---|---|------------|---|---|---|---------------|---------|---|---|---|
|            |                     |               |                | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 |               | 1       | 1 | 1 | 1 |
| 361        |                     |               |                | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 362        |                     |               |                | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 363        |                     |               |                | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 364        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 365        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 366        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 367        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 368        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 369        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 370        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 371        |                     |               | Vein           | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 372        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 373        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 374        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 375        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 376        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 377        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 378        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |
| 379        |                     |               | S <sub>1</sub> | 1           | 1 | 1 | 1 | 1 | 1          | 1 | 1 | 1 | 1             | 1       | 1 | 1 | 1 |












REMARKS

806144

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 20 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG | ALTERATION |      |      | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|-----------------|-------------|------------|------|------|---------------|---------|------------|
|            |                     |               |                 |             | SIL.       | SER. | PHY. |               | ROCK    | ALTERATION |
| 381        |                     |               |                 |             |            |      |      |               |         |            |
| 382        |                     |               |                 |             |            |      |      |               |         |            |
| 383        |                     |               |                 |             |            |      |      |               |         |            |
| 384        |                     |               |                 |             |            |      |      |               |         |            |
| 385        |                     |               | /S <sub>1</sub> |             |            |      |      |               |         |            |
| 386        |                     |               |                 |             |            |      |      |               |         |            |
| 387        |                     |               |                 |             |            |      |      |               |         |            |
| 388        |                     |               |                 |             |            |      |      |               |         |            |
| 389        |                     |               | /               |             |            |      |      |               |         |            |
| 390        |                     |               | /S <sub>1</sub> |             |            |      |      |               |         |            |
| 391        |                     |               | /               |             |            |      |      |               |         |            |
| 392        |                     |               |                 |             |            |      |      |               |         |            |
| 393        |                     |               |                 |             |            |      |      |               |         |            |
| 394        |                     |               | /               |             |            |      |      |               |         |            |
| 395        |                     |               | /S <sub>1</sub> |             |            |      |      |               |         |            |
| 396        |                     |               |                 |             |            |      |      |               |         |            |
| 397        |                     |               |                 |             |            |      |      |               |         |            |
| 398        |                     |               |                 |             |            |      |      |               |         |            |
| 399        |                     |               |                 |             |            |      |      |               |         |            |

REMARKS

806145

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▒ Broken core
- ▒ Disseminated
- Massive
- ▨ Pervasive
- ⚡ Narrow vein
- \* Visible gold

SHEET 21 OF       

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>15/9/94</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG        | ALTERATION |      |     | GEOLOGY NOTES                                                                  | SUMMARY             |            |
|------------|---------------------|---------------|----------------|--------------------|------------|------|-----|--------------------------------------------------------------------------------|---------------------|------------|
|            |                     |               |                |                    | SIL.       | SER. | CH. |                                                                                | ROCK                | ALTERATION |
| 401        |                     |               |                | 1<br>4<br>16<br>22 |            |      |     | 400-404                                                                        | VD - F              |            |
| 402        |                     |               | S <sub>0</sub> |                    |            |      |     |                                                                                |                     |            |
| 403        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 404        |                     |               |                |                    |            |      |     | 404 - 491.1                                                                    |                     |            |
| 405        |                     |               |                |                    |            |      |     | quartz + feldspar phyric<br>sandy volcaniclastic, with<br>sparse lithic clasts |                     |            |
| 406        |                     |               |                |                    |            |      |     | weakly sericitic and<br>chloritic, moderately<br>foliated.                     |                     |            |
| 407        |                     |               | S <sub>1</sub> |                    |            |      |     |                                                                                |                     |            |
| 408        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 409        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 410        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 411        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 412        |                     |               | S <sub>1</sub> |                    |            |      |     |                                                                                |                     |            |
| 413        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 414        |                     |               |                |                    |            |      |     |                                                                                | VD S <sub>1</sub> M |            |
| 415        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 416        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 417        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 418        |                     |               |                |                    |            |      |     |                                                                                |                     |            |
| 419        |                     |               |                |                    |            |      |     |                                                                                |                     |            |

REMARKS

806146

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 22 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core

- ▨ Disseminated
- Massive
- ▨ Pervasive
- └ Narrow vein
- \* Visible gold

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEBOWICK |
| DATE :      | 20/9/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG |    | ALTERATION |     |    | GEOLOGY NOTES                   | SUMMARY |            |
|------------|---------------------|---------------|-----------------|-------------|----|------------|-----|----|---------------------------------|---------|------------|
|            |                     |               |                 | BE          | SI | SIL        | SER | PY |                                 | ROCK    | ALTERATION |
| 421        |                     |               |                 |             |    |            |     |    |                                 |         |            |
| 422        |                     |               |                 |             |    |            |     |    |                                 |         |            |
| 423        |                     |               |                 |             |    |            |     |    |                                 |         |            |
| 424        |                     |               |                 |             |    |            |     |    |                                 |         |            |
| 425        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 426        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 427        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 428        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 429        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 430        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 431        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 432        |                     |               | /S <sub>1</sub> |             |    |            |     |    | sericitic zone - bleached white |         |            |
| 433        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 434        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 435        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 436        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 437        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 438        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |
| 439        |                     |               | /S <sub>1</sub> |             |    |            |     |    |                                 |         |            |

REMARKS

806147

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⬆ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

SHEET 23 OF \_\_\_\_\_

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG |        |        |          |      |      | ALTERATION | GEOLOGY NOTES | SUMMARY |         |
|------------|---------------------|---------------|----------------|-------------|--------|--------|----------|------|------|------------|---------------|---------|---------|
|            |                     |               |                | 1<br>16     | 1<br>4 | 1<br>4 | 10<br>22 | SIL. | SER. |            |               | PT.     | ROCK    |
| 441        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 442        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 443        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 444        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 445        |                     |               | S <sub>1</sub> |             |        |        |          |      |      |            | 445.4 - 450.3 |         | VD(QFM) |
| 446        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 447        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 448        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 449        |                     |               | ▨              |             |        |        |          |      |      |            |               |         | VDFM    |
| 450        |                     |               | S <sub>1</sub> |             |        |        |          |      |      |            |               |         |         |
| 451        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 452        |                     |               | ▨              |             |        |        |          |      |      |            |               |         |         |
| 453        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 454        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 455        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 456        |                     |               |                |             |        |        |          |      |      |            |               |         | VDCM    |
| 457        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 458        |                     |               |                |             |        |        |          |      |      |            |               |         |         |
| 459        |                     |               |                |             |        |        |          |      |      |            |               |         |         |












REMARKS

806148

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 24 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG           |        |        |        |         |         | ALTERATION | GEOLOGY NOTES | SUMMARY |      |     |
|------------|---------------------|---------------|-----------------|-----------------------|--------|--------|--------|---------|---------|------------|---------------|---------|------|-----|
|            |                     |               |                 | 1<br>16               | 2<br>1 | 3<br>1 | 4<br>1 | 5<br>16 | 6<br>16 |            |               | SIL.    | SER. | PY. |
| 461        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 462        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 463        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 464        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 465        |                     |               | /S <sub>1</sub> | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 466        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 467        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 468        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 469        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 470        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 471        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 472        |                     |               | /S <sub>1</sub> | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 473        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 474        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 475        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 476        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 477        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 478        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |
| 479        |                     |               |                 | [Graphic Log Symbols] |        |        |        |         |         |            |               |         |      |     |

VD 2M.












REMARKS

806149

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 25 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |   |   |   | ALTERATION |    |      |      | GEOLOGY NOTES | SUMMARY |       |      |
|------------|---------------------|---------------|---------|-------------|---|---|---|------------|----|------|------|---------------|---------|-------|------|
|            |                     |               |         | 1           | 1 | 1 | 4 | 16         | 32 | SIL. | SER. |               | PI.     | Chab. | ROCK |
| 481        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 482        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 483        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 484        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 485        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 486        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 487        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 488        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 489        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 490        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 491        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 492        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 493        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 494        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 495        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 496        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 497        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 498        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |
| 499        |                     |               |         |             |   |   |   |            |    |      |      |               |         |       |      |

increasing carbonate alteration adjacent to a faulted contact.

491.1 - 568.5  
andesite lava, massive uniform weakly foliated.

LA












REMARKS

806150

# RGC EXPLORATION PTY LTD

DRILL HOLE No \_\_\_\_\_

SHEET 26 OF \_\_\_\_\_

-  Beading
-  Cleavage
-  Foliation
-  Fault/Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.                 | GRAPHIC LOG | ALTERATION |      |     |      | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|-------------------------|-------------|------------|------|-----|------|---------------|---------|------------|
|            |                     |               |                         |             | SIL.       | SER. | PT. | CHL. |               | ROCK    | ALTERATION |
| 501        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 502        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 503        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 504        |                     |               | FAULT<br>S <sub>1</sub> | ^ ^         |            |      |     |      |               |         |            |
| 505        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 506        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 507        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 508        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 509        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 510        |                     |               | S <sub>1</sub>          | ^ ^         |            |      |     |      |               |         |            |
| 511        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 512        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 513        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 514        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 515        |                     |               | S <sub>1</sub>          | ^ ^         |            |      |     |      |               |         |            |
| 516        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 517        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 518        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |
| 519        |                     |               |                         | ^ ^         |            |      |     |      |               |         |            |












REMARKS

806151

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 27 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 20/9/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG |      |    |       |      | ALTERATION |  |  |  | GEOLOGY NOTES                     | SUMMARY |  |  |
|------------|---------------------|---------------|----------------|-------------|------|----|-------|------|------------|--|--|--|-----------------------------------|---------|--|--|
|            |                     |               |                | SIL         | SER. | PY | CARB. | ROCK | ALTERATION |  |  |  |                                   |         |  |  |
| 521        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 522        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 523        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 524        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 525        |                     |               | S <sub>1</sub> | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 526        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 527        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 528        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 529        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 530        |                     |               | S <sub>1</sub> | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 531        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 532        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 533        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 534        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 535        |                     |               | S <sub>1</sub> | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 536        |                     |               |                | ^           |      |    |       |      |            |  |  |  | pervasive siderite<br>alteration. |         |  |  |
| 537        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 538        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |
| 539        |                     |               |                | ^           |      |    |       |      |            |  |  |  |                                   |         |  |  |












REMARKS

806152

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 28 OF

-  Bedding
-  Cleavage
-  Foliation
-  Fault, Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Pervasive
-  Narrow vein
-  \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>22/9/74</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH                                                   | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.        | GRAPHIC LOG | ALTERATION |      |     |       | GEOLOGY NOTES           | SUMMARY |            |
|--------------------------------------------------------------|---------------------|---------------|----------------|-------------|------------|------|-----|-------|-------------------------|---------|------------|
|                                                              |                     |               |                |             | SIL.       | SER. | PT. | CARB. |                         | ROCK    | ALTERATION |
| 541                                                          |                     |               |                | ^ ^         |            |      |     |       |                         |         |            |
| 542                                                          |                     |               |                | ^ ^ ^       |            |      |     |       | silica-filled amygdules |         |            |
| 543                                                          |                     |               | VEIN           | ^ ^ ^       |            |      |     |       |                         |         |            |
| 544                                                          |                     |               |                | ^ ^ ^       |            |      |     |       | siderite vein           |         |            |
| 545                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 546                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 547                                                          |                     |               | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |                         |         |            |
| 548                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 549                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 550                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 551                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 552                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 553                                                          |                     |               | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |                         |         |            |
| 554                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 555                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 556                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 557                                                          |                     |               | S <sub>1</sub> | ^ ^ ^       |            |      |     |       |                         |         |            |
| 558                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| 559                                                          |                     |               |                | ^ ^ ^       |            |      |     |       |                         |         |            |
| REMARKS <span style="font-size: 1.2em;">⊙</span> amygdaloids |                     |               |                |             |            |      |     |       |                         |         |            |
| 806153                                                       |                     |               |                |             |            |      |     |       |                         |         |            |

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 29 OF       

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG | ALTERATION |      |     |      |     | GEOLOGY NOTES                                                                                                                                                           | SUMMARY |      |
|------------|---------------------|---------------|-----------------|-------------|------------|------|-----|------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|
|            |                     |               |                 |             | SIL        | SER. | PY. | CARB | CHL |                                                                                                                                                                         | ALBITE  | ROCK |
| 561        |                     |               |                 | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 562        |                     |               |                 | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 563        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 564        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 565        |                     |               | VEIN            | ^           | ■          |      |     | ■    |     |                                                                                                                                                                         |         | LA   |
| 566        |                     |               | VEIN            | ^           | ■          |      |     | ■    |     |                                                                                                                                                                         |         |      |
| 567        |                     |               | VEIN            | ^           | ■          |      |     | ■    |     |                                                                                                                                                                         |         |      |
| 568        |                     |               | VEIN            | ^           | ■          |      |     | ■    |     |                                                                                                                                                                         |         |      |
| 569        |                     |               | ▨               | ▨           |            |      |     |      |     | 568.5 - 568.9 FAULT                                                                                                                                                     |         |      |
| 570        |                     |               | /               | ^           |            |      |     |      |     | 568.9 - 585.5<br>Zone of intense deformation<br>with very strong foliation<br>and well developed rodded<br>fabric. Primary rock-type<br>was an intermediate<br>volcanic |         |      |
| 571        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 572        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 573        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 574        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 575        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 576        |                     |               | /               | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |
| 577        |                     |               | IRREG<br>MARGIN | ^           | ■          |      |     | ■    |     | Vein margins and wallrock<br>inclusions are intensely<br>altered to pale green<br>sericite.                                                                             |         | LA   |
| 578        |                     |               | VEIN            | ^           | ■          |      |     | ■    |     |                                                                                                                                                                         |         |      |
| 579        |                     |               |                 | ^           |            |      |     |      |     |                                                                                                                                                                         |         |      |

REMARKS

806154

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 30 OF 33

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚠ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|                                 |
|---------------------------------|
| PROJECT :                       |
| PROSPECT : <u>WEST SEDGWICK</u> |
| DATE : <u>22/9/94</u>           |
| LOGGED BY : <u>SWH</u>          |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG | ALTERATION |      |     |      |      | GEOLOGY NOTES                                                             | SUMMARY |      |
|------------|---------------------|---------------|-----------------|-------------|------------|------|-----|------|------|---------------------------------------------------------------------------|---------|------|
|            |                     |               |                 |             | SIL.       | SER. | PY. | CARB | CHL. |                                                                           | ALBITE  | ROCK |
| 581        |                     |               | V. IN           | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 582        |                     |               | S <sub>1</sub>  | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 583        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 584        |                     |               | V. IN           | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 585        |                     |               | FAULTED CONTACT | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 586        |                     |               |                 | ^ ^         |            |      |     |      |      | 585.5 - 652.1<br>uniform, massive<br>andesite lava<br><br>weakly foliated |         |      |
| 587        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 588        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 589        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 590        |                     |               | S <sub>1</sub>  | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 591        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 592        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 593        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 594        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 595        |                     |               | S <sub>1</sub>  | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 596        |                     |               |                 | ^ ^         |            |      |     |      |      |                                                                           |         |      |
| 597        |                     |               |                 | ⊙ ^         |            |      |     |      |      | calcite filled<br>vesicles                                                |         |      |
| 598        |                     |               |                 | ^ ⊙         |            |      |     |      |      |                                                                           |         |      |
| 599        |                     |               |                 | ⊙ ^         |            |      |     |      |      |                                                                           |         |      |

LA











REMARKS

806155

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 31 OF       

-  Bedding
-  Cleavage
-  Foliation
-  Fault Shear
-  Breccia
-  Broken core
-  Disseminated
-  Massive
-  Porphyritic
-  Narrow vein
-  Visible gold

|             |
|-------------|
| PROJECT :   |
| PROSPECT :  |
| DATE :      |
| LOGGED BY : |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT.         | GRAPHIC LOG |   |   |   | ALTERATION |      |     | GEOLOGY NOTES | SUMMARY |            |
|------------|---------------------|---------------|-----------------|-------------|---|---|---|------------|------|-----|---------------|---------|------------|
|            |                     |               |                 | 1           | 2 | 3 | 4 | SIL        | SER. | PY. |               | ROCK    | ALTERATION |
| 601        |                     |               |                 | ^           |   |   |   |            |      |     |               |         |            |
| 602        |                     |               |                 | ⊙           | ^ |   | ⊙ |            |      |     |               |         |            |
| 603        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 604        |                     |               |                 | ⊙           | ^ |   | ⊙ |            |      |     |               |         |            |
| 605        |                     |               | /s <sub>1</sub> | ^           |   |   | ⊙ |            |      |     |               |         |            |
| 606        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 607        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 608        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 609        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 610        |                     |               | /s <sub>1</sub> | ^           |   |   | ^ |            |      |     |               |         |            |
| 611        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 612        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 613        |                     |               |                 | ⊙           | ^ |   | ^ |            |      |     |               |         |            |
| 614        |                     |               |                 | ^           | ⊙ |   | ^ |            |      |     |               |         |            |
| 615        |                     |               | /s <sub>1</sub> | ⊙           | ^ |   | ^ |            |      |     |               |         |            |
| 616        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 617        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 618        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |
| 619        |                     |               |                 | ^           |   |   | ^ |            |      |     |               |         |            |

REMARKS

806156

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 32 OF     

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ↘ Narrow vein
- \* Visible gold

|             |               |
|-------------|---------------|
| PROJECT :   |               |
| PROSPECT :  | WEST SEDGWICK |
| DATE :      | 22/9/94       |
| LOGGED BY : | SWH           |

| HOLE DEPTH | SAMPLE NO<br>PREFIX | ASSAY RESULTS | STRUCT. | GRAPHIC LOG |     |   |   |    |    | ALTERATION |      |     |       | GEOLOGY NOTES       | SUMMARY |            |  |
|------------|---------------------|---------------|---------|-------------|-----|---|---|----|----|------------|------|-----|-------|---------------------|---------|------------|--|
|            |                     |               |         | 1/16        | 1/4 | 1 | 4 | 16 | 32 | SIL.       | SER. | PY. | CARB. |                     | ROCK    | ALTERATION |  |
| 621        |                     |               |         | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 622        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 623        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 624        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 625        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 626        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       | pyrite-calcite vein |         |            |  |
| 627        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 628        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 629        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       | pyrite-calcite vein |         |            |  |
| 630        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 631        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 632        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 633        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 634        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 635        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 636        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 637        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 638        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |
| 639        |                     |               | ▨       | ^           |     |   |   |    |    |            |      |     |       |                     |         |            |  |

REMARKS

806157

# RGC EXPLORATION PTY LTD

DRILL HOLE No WS 008

SHEET 33 OF 33

- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- △ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- \* Visible gold

|             |  |
|-------------|--|
| PROJECT :   |  |
| PROSPECT :  |  |
| DATE :      |  |
| LOGGED BY : |  |

| HOLE DEPTH | SAMPLE No<br>PREFIX | ASSAY RESULTS | STRUCT.          | GRAPHIC LOG | ALTERATION |      |     | GEOLOGY NOTES                  | SUMMARY |            |
|------------|---------------------|---------------|------------------|-------------|------------|------|-----|--------------------------------|---------|------------|
|            |                     |               |                  |             | SIL        | SER. | PY. |                                | ROCK    | ALTERATION |
| 641        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 642        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 643        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 644        |                     |               | / S <sub>1</sub> | ^           |            |      |     | pyrite-quartz-calcite<br>veins |         |            |
| 645        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 646        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 647        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 648        |                     |               | / S <sub>1</sub> | ^           |            |      |     |                                |         |            |
| 649        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 650        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 651        |                     |               |                  | ^           |            |      |     |                                |         |            |
| 652        |                     |               |                  | ^           |            |      |     | 652 EOH                        |         |            |

REMARKS

806158

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

Page: 1  
 21 September 94

| Sample | hole number | depth from | depth to | ANALAB Cu<br>ppm GA140 | ANALAB Pb<br>ppm GA140 | ANALAB Zn<br>ppm GA140 | ANALAB Ag<br>ppm GA101 | ANALAB Au<br>ppm GG309 | ANALAB<br>Au(r) ppm<br>GG3 | ANALAB<br>Au(s) ppm<br>GG3 |
|--------|-------------|------------|----------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------------|----------------------------|
| 37423  | WS008       | 3.00       | 4.00     | 29.000                 | 44.000                 | 25.000                 | -2.000                 | -0.008                 |                            |                            |
| 37424  | WS008       | 4.00       | 5.00     | 20.000                 | 39.000                 | 20.000                 | -2.000                 | -0.008                 |                            |                            |
| 37425  | WS008       | 5.00       | 6.00     | 27.000                 | 37.000                 | 23.000                 | -2.000                 | -0.008                 |                            |                            |
| 37426  | WS008       | 6.00       | 7.00     | 28.000                 | 119.000                | 16.000                 | -2.000                 | -0.008                 |                            |                            |
| 37427  | WS008       | 7.00       | 8.00     | 32.000                 | 217.000                | 22.000                 | -2.000                 | -0.008                 |                            |                            |
| 37428  | WS008       | 8.00       | 9.00     | 21.000                 | 64.000                 | 13.000                 | -2.000                 | -0.008                 |                            |                            |
| 37429  | WS008       | 9.00       | 10.00    | 28.000                 | 42.000                 | 16.000                 | -2.000                 | -0.008                 |                            |                            |
| 37430  | WS008       | 10.00      | 11.00    | 29.000                 | 50.000                 | 21.000                 | -2.000                 | -0.008                 |                            |                            |
| 37431  | WS008       | 11.00      | 12.00    | 29.000                 | 43.000                 | 18.000                 | -2.000                 | -0.008                 |                            |                            |
| 37432  | WS008       | 12.00      | 13.00    | 18.000                 | 32.000                 | 25.000                 | -2.000                 | -0.008                 |                            |                            |
| 37433  | WS008       | 13.00      | 14.00    | 33.000                 | 78.000                 | 28.000                 | -2.000                 | -0.008                 |                            |                            |
| 37434  | WS008       | 14.00      | 15.00    | 22.000                 | 49.000                 | 26.000                 | -2.000                 | -0.008                 | -0.008                     |                            |
| 37435  | WS008       | 15.00      | 16.00    | 22.000                 | 59.000                 | 23.000                 | -2.000                 | -0.008                 |                            |                            |
| 37436  | WS008       | 16.00      | 17.00    | 24.000                 | 40.000                 | 15.000                 | -2.000                 | -0.008                 |                            | -0.008                     |
| 37437  | WS008       | 17.00      | 18.00    | 19.000                 | 50.000                 | 16.000                 | -2.000                 | -0.008                 |                            |                            |
| 37438  | WS008       | 18.00      | 19.00    | 13.000                 | 32.000                 | 12.000                 | -2.000                 | -0.008                 |                            |                            |
| 37439  | WS008       | 19.00      | 20.00    | 39.000                 | 122.000                | 47.000                 | -2.000                 | -0.008                 |                            |                            |
| 37440  | WS008       | 20.00      | 21.00    | 30.000                 | 53.000                 | 26.000                 | -2.000                 | -0.008                 |                            |                            |
| 37442  | WS008       | 21.00      | 22.00    | 54.000                 | 132.000                | 488.000                | -2.000                 | -0.008                 |                            |                            |
| 37443  | WS008       | 22.00      | 23.00    | 45.000                 | 99.000                 | 60.000                 | -2.000                 | -0.008                 |                            |                            |
| 37444  | WS008       | 23.00      | 24.00    | 57.000                 | 172.000                | 59.000                 | -2.000                 | -0.008                 | -0.008                     | -0.008                     |
| 37445  | WS008       | 24.00      | 25.00    | 23.000                 | 58.000                 | 53.000                 | -2.000                 | -0.008                 |                            |                            |
| 37446  | WS008       | 25.00      | 26.00    | 24.000                 | 32.000                 | 36.000                 | -2.000                 | -0.008                 |                            |                            |
| 37447  | WS008       | 26.00      | 27.00    | 33.000                 | 109.000                | 147.000                | -2.000                 | -0.008                 |                            |                            |
| 37448  | WS008       | 27.00      | 28.00    | 71.000                 | 155.000                | 291.000                | -2.000                 | -0.008                 |                            |                            |
| 37449  | WS008       | 28.00      | 29.00    | 54.000                 | 160.000                | 171.000                | -2.000                 | -0.008                 |                            |                            |
| 37450  | WS008       | 29.00      | 30.00    | 28.000                 | 19.000                 | 112.000                | -2.000                 | -0.008                 |                            |                            |
| 37451  | WS008       | 30.00      | 31.00    | 29.000                 | 45.000                 | 95.000                 | -2.000                 | -0.008                 |                            |                            |
| 37452  | WS008       | 31.00      | 32.00    | 48.000                 | 135.000                | 390.000                | -2.000                 | -0.008                 |                            |                            |
| 37453  | WS008       | 32.00      | 33.00    | 22.000                 | 45.000                 | 54.000                 | -2.000                 | -0.008                 |                            |                            |
| 37454  | WS008       | 33.00      | 34.00    | 13.000                 | 7.000                  | 14.000                 | -2.000                 | -0.008                 |                            |                            |
| 37455  | WS008       | 34.00      | 35.00    | 10.000                 | 5.000                  | 25.000                 | -2.000                 | -0.008                 |                            |                            |
| 37456  | WS008       | 35.00      | 36.00    | 15.000                 | 13.000                 | 62.000                 | -2.000                 | -0.008                 |                            |                            |
| 37457  | WS008       | 36.00      | 37.00    | 33.000                 | 46.000                 | 588.000                | -2.000                 | -0.008                 |                            |                            |
| 37458  | WS008       | 37.00      | 38.00    | 29.000                 | 35.000                 | 90.000                 | -2.000                 | -0.008                 |                            |                            |
| 37459  | WS008       | 38.00      | 39.00    | 21.000                 | 30.000                 | 53.000                 | -2.000                 | -0.008                 | -0.008                     |                            |
| 37460  | WS008       | 39.00      | 40.00    | 37.000                 | 201.000                | 356.000                | -2.000                 | -0.008                 |                            |                            |

|                  |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.000  | 0.000  | 0.000  | 2.000  | 0.008  | 0.008  | 0.008  |
| Method:          | GA140  | GA140  | GA140  | GA101  | GG309  | GG309  | GG309  |

806159

806160

## APPENDIX 2

Soil geochemistry results, Garfield  
Prospect

| Sample | True easting | True northing | Cu ppm<br>ANALAB<br>GA140 | Pb ppm<br>ANALAB<br>GA140 | Zn ppm<br>ANALAB<br>GA140 | Ag_n ppm<br>BECQUE<br>INAA | As_n ppm<br>BECQUE<br>INAA | Au_n ppb<br>BECQUE<br>INAA | Ba_n ppm<br>BECQUE<br>INAA | Br_n ppm<br>BECQUE<br>INAA | Ce_n ppm<br>BECQUE<br>INAA | Co_n ppm<br>BECQUE<br>INAA | Cr_n ppm<br>BECQUE<br>INAA | Cs_n ppm<br>BECQUE<br>INAA | Eu_n ppm<br>BECQUE<br>INAA | Fe_n %<br>BECQUE<br>INAA30 |
|--------|--------------|---------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 45538  | 379829.44    | 5324116.47    | 27.000                    | 43.000                    | 82.000                    | -5.000                     | 19.700                     | -5.000                     | 471.000                    | 80.500                     | 70.700                     | 2.950                      | 12.600                     | 7.550                      | 0.830                      | 5.990                      |
| 45539  | 379789.23    | 5324087.98    | 17.000                    | 22.000                    | 11.000                    | -5.000                     | 5.200                      | -5.000                     | 343.000                    | 19.400                     | 65.300                     | -1.000                     | 294.000                    | 4.370                      | 0.900                      | 1.160                      |
| 45540  | 379747.29    | 5324057.80    | 12.000                    | 17.000                    | 10.000                    | -5.000                     | 1.800                      | -5.000                     | 790.000                    | 14.500                     | 25.600                     | -1.000                     | 8.900                      | 5.480                      | -0.500                     | 0.990                      |
| 45541  | 379709.52    | 5324031.01    | 7.000                     | 13.000                    | 6.000                     | -5.000                     | -1.000                     | -5.000                     | 163.000                    | 18.300                     | 23.700                     | -1.000                     | 302.000                    | 2.830                      | -0.500                     | 0.620                      |
| 45542  | 379704.11    | 5324295.09    | 10.000                    | 22.000                    | 15.000                    | -5.000                     | 11.000                     | -5.000                     | 686.000                    | 39.700                     | 167.000                    | -1.000                     | 8.100                      | 4.510                      | 1.150                      | 2.140                      |
| 45543  | 379664.08    | 5324266.08    | 8.000                     | 13.000                    | 12.000                    | -5.000                     | 1.550                      | -5.000                     | 805.000                    | 13.200                     | 17.400                     | -1.000                     | 199.000                    | 8.120                      | -0.500                     | 0.930                      |
| 45544  | 379624.92    | 5324234.59    | 19.000                    | 9.000                     | 8.000                     | -5.000                     | 2.480                      | -5.000                     | 493.000                    | 12.600                     | 55.300                     | 1.530                      | 12.200                     | 1.850                      | 0.830                      | 1.090                      |
| 45545  | 379675.93    | 5324000.04    | 14.000                    | 21.000                    | 21.000                    | -5.000                     | 2.010                      | -5.000                     | 498.000                    | 27.100                     | 14.200                     | -1.000                     | 277.000                    | 3.980                      | -0.500                     | 0.950                      |
| 45546  | 379627.20    | 5323966.46    | 8.000                     | 16.000                    | 10.000                    | -5.000                     | 5.580                      | -5.000                     | 596.000                    | 26.300                     | 48.100                     | -1.000                     | 16.600                     | 3.700                      | 0.630                      | 1.120                      |
| 45547  | 379593.61    | 5323941.37    | 12.000                    | 19.000                    | 6.000                     | -5.000                     | 1.600                      | -5.000                     | -100.000                   | 31.000                     | 5.400                      | -1.000                     | 534.000                    | -1.000                     | -0.500                     | 0.430                      |
| 45548  | 379549.23    | 5323901.13    | 17.000                    | 9.000                     | 8.000                     | -5.000                     | 1.860                      | -5.000                     | -100.000                   | 27.900                     | 5.950                      | -1.000                     | 20.000                     | -1.000                     | -0.500                     | 1.130                      |
| 45549  | 379514.77    | 5323878.52    | 15.000                    | 6.000                     | 41.000                    | -5.000                     | 16.500                     | -5.000                     | 530.000                    | 8.240                      | 89.300                     | 22.100                     | 180.000                    | 5.110                      | 0.870                      | 2.630                      |
| 45550  | 379423.03    | 5324073.48    | 7.000                     | 6.000                     | 6.000                     | -5.000                     | 1.090                      | -5.000                     | 458.000                    | 3.560                      | 77.100                     | -1.000                     | 21.200                     | 3.870                      | 0.810                      | 0.990                      |
| 45551  | 379461.67    | 5324101.96    | 8.000                     | 8.000                     | 16.000                    | -5.000                     | 1.680                      | -5.000                     | 230.000                    | 14.100                     | 38.800                     | -1.000                     | 381.000                    | 2.970                      | 0.510                      | 0.960                      |
| 45552  | 379501.00    | 5324138.03    | 13.000                    | 39.000                    | 9.000                     | -5.000                     | 5.790                      | -5.000                     | 499.000                    | 17.000                     | 57.100                     | -1.000                     | 47.200                     | 6.660                      | 0.610                      | 1.030                      |
| 45553  | 379543.81    | 5324166.51    | 32.000                    | 11.000                    | 37.000                    | -5.000                     | 3.340                      | -5.000                     | -100.000                   | 201.000                    | 2.140                      | -1.000                     | 84.300                     | -1.000                     | -0.500                     | 0.150                      |
| 45554  | 379586.45    | 5324204.01    | 11.000                    | 31.000                    | 32.000                    | -5.000                     | 6.540                      | -5.000                     | 172.000                    | 20.100                     | 19.500                     | -1.000                     | 18.300                     | 1.820                      | -0.500                     | 1.740                      |
| 45555  | 379649.11    | 5324445.49    | 9.000                     | -5.000                    | 10.000                    | -5.000                     | 1.160                      | -5.000                     | 557.000                    | 11.800                     | 10.200                     | -1.000                     | 328.000                    | 5.290                      | -0.500                     | 0.670                      |
| 45556  | 379631.18    | 5324430.07    | 7.000                     | 11.000                    | 10.000                    | -5.000                     | 3.920                      | -5.000                     | 460.000                    | 12.700                     | 12.300                     | -1.000                     | 9.200                      | 5.780                      | -0.500                     | 0.970                      |
| 45557  | 379610.47    | 5324413.73    | 5.000                     | -5.000                    | 11.000                    | -5.000                     | 1.620                      | -5.000                     | 894.000                    | 15.200                     | 72.700                     | -1.000                     | 195.000                    | 4.670                      | 0.780                      | 0.690                      |
| 45558  | 379591.68    | 5324399.10    | 6.000                     | -5.000                    | 15.000                    | -5.000                     | 10.200                     | -5.000                     | 921.000                    | 26.000                     | 70.800                     | -1.000                     | 10.100                     | 5.340                      | 0.710                      | 1.370                      |
| 45559  | 379570.97    | 5324383.68    | 12.000                    | 7.000                     | 17.000                    | -5.000                     | 1.860                      | -5.000                     | 413.000                    | 51.300                     | 20.700                     | -1.000                     | 342.000                    | 1.950                      | -0.500                     | 0.730                      |
| 45560  | 379552.86    | 5324366.43    | 12.000                    | -5.000                    | 16.000                    | -5.000                     | 1.810                      | -5.000                     | 758.000                    | 16.400                     | 25.800                     | -1.000                     | 9.800                      | 1.850                      | -0.500                     | 0.810                      |
| 45561  | 379534.07    | 5324351.93    | 8.000                     | 9.000                     | 12.000                    | -5.000                     | 1.780                      | -5.000                     | 348.000                    | 14.800                     | 17.000                     | -1.000                     | 318.000                    | 5.860                      | -0.500                     | 0.980                      |
| 45562  | 379513.36    | 5324337.29    | 18.000                    | 21.000                    | 15.000                    | -5.000                     | 57.600                     | -5.000                     | 539.000                    | 14.200                     | 53.200                     | -1.000                     | 19.800                     | 5.920                      | 0.550                      | 2.890                      |
| 45563  | 379491.95    | 5324320.96    | 18.000                    | 43.000                    | 19.000                    | -5.000                     | 9.160                      | -5.000                     | 216.000                    | 19.900                     | 18.300                     | 1.180                      | 397.000                    | 2.830                      | -0.500                     | 1.590                      |
| 45564  | 379472.11    | 5324307.24    | 22.000                    | 41.000                    | 19.000                    | -5.000                     | 46.500                     | -5.000                     | 553.000                    | 12.400                     | 45.500                     | -1.000                     | 22.700                     | 4.860                      | 0.540                      | 2.400                      |
| 45565  | 379450.70    | 5324290.91    | 9.000                     | -5.000                    | 6.000                     | -5.000                     | 2.450                      | -5.000                     | 113.000                    | 14.100                     | 4.710                      | -1.000                     | 462.000                    | 1.440                      | -0.500                     | 0.480                      |
| 45566  | 379430.86    | 5324276.27    | 27.000                    | 13.000                    | 99.000                    | -5.000                     | 12.400                     | -5.000                     | 174.000                    | 33.900                     | 23.900                     | 2.880                      | 106.000                    | 1.990                      | -0.500                     | 4.260                      |
| 45567  | 379411.20    | 5324261.64    | 7.000                     | -5.000                    | 5.000                     | -5.000                     | 1.750                      | -5.000                     | 153.000                    | 10.600                     | 5.130                      | -1.000                     | 412.000                    | 1.630                      | -0.500                     | 0.430                      |
| 45568  | 379356.06    | 5324493.99    | 25.000                    | 47.000                    | 23.000                    | -5.000                     | 4.850                      | -5.000                     | -100.000                   | 189.000                    | 4.950                      | -1.000                     | 6.500                      | -1.000                     | -0.500                     | 0.210                      |
| 45569  | 379391.72    | 5324525.99    | 15.000                    | 31.000                    | 14.000                    | -5.000                     | 2.180                      | -5.000                     | 845.000                    | 23.200                     | 23.200                     | -1.000                     | 29.300                     | 5.170                      | -0.500                     | 1.000                      |
| 45570  | 379429.99    | 5324553.55    | 12.000                    | 23.000                    | 8.000                     | -5.000                     | 3.140                      | -5.000                     | 228.000                    | 31.000                     | 73.200                     | 1.250                      | 461.000                    | 2.200                      | 0.810                      | 0.620                      |
| 45571  | 379470.87    | 5324584.64    | 9.000                     | 10.000                    | 6.000                     | -5.000                     | -1.000                     | -5.000                     | 449.000                    | 12.600                     | 63.000                     | -1.000                     | 10.400                     | 2.270                      | 0.590                      | 0.910                      |
| 45572  | 379513.49    | 5324614.81    | 11.000                    | 24.000                    | 12.000                    | -5.000                     | -1.000                     | -5.000                     | 432.000                    | 31.300                     | 57.500                     | -1.000                     | 341.000                    | 3.160                      | 0.560                      | 0.800                      |
| 45573  | 379265.25    | 5324612.32    | 9.000                     | 15.000                    | 10.000                    | -5.000                     | 2.330                      | -5.000                     | 141.000                    | 15.500                     | 55.700                     | -1.000                     | 56.800                     | 3.960                      | 0.650                      | 0.960                      |
| 45574  | 379283.17    | 5324630.22    | 9.000                     | 13.000                    | 13.000                    | -5.000                     | 3.030                      | -5.000                     | 147.000                    | 23.900                     | 66.400                     | -1.000                     | 90.900                     | 5.940                      | 0.840                      | 0.850                      |
| 45575  | 379300.39    | 5324644.32    | 8.000                     | 9.000                     | 9.000                     | -5.000                     | 2.630                      | -5.000                     | 216.000                    | 18.600                     | 55.000                     | -1.000                     | 86.300                     | 3.320                      | 0.590                      | 1.000                      |
| 45576  | 379319.35    | 5324661.56    | 7.000                     | -5.000                    | 6.000                     | -5.000                     | 1.300                      | -5.000                     | 310.000                    | 7.490                      | 48.500                     | -1.000                     | 19.600                     | 2.260                      | 0.720                      | 0.800                      |
| 45577  | 379338.66    | 5324673.71    | 8.000                     | -5.000                    | 7.000                     | -5.000                     | 2.220                      | -5.000                     | 175.000                    | 10.000                     | 21.800                     | -1.000                     | 10.700                     | 1.700                      | -0.500                     | 0.720                      |
| 45578  | 379362.32    | 5324690.95    | 9.000                     | 6.000                     | 8.000                     | -5.000                     | 1.790                      | -5.000                     | 580.000                    | 21.200                     | 50.100                     | -1.000                     | 14.200                     | 5.470                      | 0.740                      | 1.090                      |
| 45579  | 379104.00    | 5324586.00    | 33.000                    | 8.000                     | 11.000                    | -5.000                     | 65.900                     | 8.800                      | -100.000                   | -2.000                     | 53.000                     | 5.080                      | 10.700                     | -1.000                     | 0.730                      | 1.350                      |

|                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE |
| Detection Limit: | 5.000  | 5.000  | 5.000  | 5.000  | 2.000  | 5.000  | 100.00 | 2.000  | 2.000  | 1.000  | 5.000  | 1.000  | 0.500  | 0.050  |        |        |
| Method:          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

| Sample | True easting | True northing | Hf_n ppm<br>BECQUE<br>INAA | Ir_n ppb<br>BECQUE<br>INAA | K_n %<br>BECQUE<br>INAA30 | La_n ppm<br>BECQUE<br>INAA | Lu_n ppm<br>BECQUE<br>INAA | Mo_n ppm<br>BECQUE<br>INAA | Na_n %<br>BECQUE<br>INAA30 | Rb_n ppm<br>BECQUE<br>INAA | Sb_n ppm<br>BECQUE<br>INAA | Sc_n ppm<br>BECQUE<br>INAA | Se_n ppm<br>BECQUE<br>INAA | Sm_n ppm<br>BECQUE<br>INAA | Sr_n ppm<br>BECQUE<br>INAA | Ta_n ppm<br>BECQUE<br>INAA |
|--------|--------------|---------------|----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 45538  | 379829.44    | 5324116.47    | 6.200                      | -20.000                    | 1.300                     | 53.200                     | 0.310                      | -5.000                     | 0.115                      | 93.300                     | 2.110                      | 16.700                     | -5.000                     | 5.510                      | -500.000                   | -1.000                     |
| 45539  | 379789.23    | 5324087.98    | 5.820                      | -20.000                    | 1.190                     | 35.100                     | 0.290                      | -5.000                     | 0.078                      | 52.700                     | 1.070                      | 4.910                      | -5.000                     | 4.050                      | -500.000                   | 1.090                      |
| 45540  | 379747.29    | 5324057.80    | 7.050                      | -20.000                    | 1.720                     | 10.900                     | 0.430                      | -5.000                     | 0.142                      | 116.000                    | 0.740                      | 5.940                      | -5.000                     | 1.930                      | -500.000                   | 1.920                      |
| 45541  | 379709.52    | 5324031.01    | 6.770                      | -20.000                    | 0.990                     | 13.000                     | 0.310                      | -5.000                     | 0.022                      | 62.600                     | 0.640                      | 2.950                      | -5.000                     | 1.630                      | -500.000                   | -1.000                     |
| 45542  | 379704.11    | 5324295.09    | 6.600                      | -20.000                    | 2.840                     | 47.500                     | 0.450                      | -5.000                     | 0.047                      | 110.000                    | 0.710                      | 6.860                      | -5.000                     | 6.910                      | -500.000                   | 1.560                      |
| 45543  | 379664.08    | 5324266.08    | 5.900                      | -20.000                    | 2.580                     | 8.190                      | 0.280                      | -5.000                     | 0.026                      | 188.000                    | 0.760                      | 4.830                      | -5.000                     | 1.320                      | -500.000                   | 1.500                      |
| 45544  | 379624.92    | 5324234.59    | 10.100                     | -20.000                    | 1.410                     | 28.500                     | 0.370                      | -5.000                     | 0.147                      | 70.500                     | 0.820                      | 3.700                      | -5.000                     | 4.470                      | -500.000                   | -1.000                     |
| 45545  | 379675.93    | 5324000.04    | 5.740                      | -20.000                    | 2.740                     | 9.420                      | 0.350                      | -5.000                     | 0.102                      | 126.000                    | 0.810                      | 5.640                      | -5.000                     | 1.150                      | -500.000                   | 1.000                      |
| 45546  | 379627.20    | 5323966.46    | 7.460                      | -20.000                    | 2.040                     | 22.800                     | 0.360                      | -5.000                     | 0.018                      | 128.000                    | 1.260                      | 6.690                      | -5.000                     | 3.810                      | -500.000                   | 1.220                      |
| 45547  | 379593.61    | 5323941.37    | 4.050                      | -20.000                    | -0.200                    | 2.580                      | -0.200                     | -5.000                     | 0.015                      | -20.000                    | 0.590                      | 0.590                      | -5.000                     | 0.500                      | -500.000                   | -1.000                     |
| 45548  | 379549.23    | 5323901.13    | 4.340                      | -20.000                    | 0.230                     | 2.810                      | -0.200                     | -5.000                     | 0.017                      | -20.000                    | 0.640                      | 0.780                      | -5.000                     | 0.530                      | -500.000                   | -1.000                     |
| 45549  | 379514.77    | 5323878.52    | 5.620                      | -20.000                    | 2.130                     | 45.600                     | 0.380                      | -5.000                     | 0.024                      | 114.000                    | 1.770                      | 5.310                      | -5.000                     | 6.590                      | -500.000                   | -1.000                     |
| 45550  | 379423.03    | 5324073.48    | 5.560                      | -20.000                    | 2.330                     | 37.800                     | 0.370                      | -5.000                     | 0.020                      | 134.000                    | 0.800                      | 5.510                      | -5.000                     | 6.250                      | -500.000                   | 1.100                      |
| 45551  | 379461.67    | 5324101.96    | 7.620                      | -20.000                    | 1.410                     | 19.200                     | 0.220                      | -5.000                     | 0.022                      | 69.000                     | 1.120                      | 7.510                      | -5.000                     | 3.200                      | -500.000                   | -1.000                     |
| 45552  | 379501.00    | 5324138.03    | 9.120                      | -20.000                    | 2.990                     | 29.500                     | 0.480                      | -5.000                     | 0.038                      | 160.000                    | 1.810                      | 11.600                     | -5.000                     | 4.540                      | -500.000                   | 1.000                      |
| 45553  | 379543.81    | 5324166.51    | 0.730                      | -20.000                    | -0.200                    | 1.030                      | -0.200                     | -5.000                     | 0.041                      | -20.000                    | 0.250                      | 0.290                      | -5.000                     | -0.200                     | -500.000                   | -1.000                     |
| 45554  | 379586.45    | 5324204.01    | 9.770                      | -20.000                    | 0.780                     | 12.300                     | 0.300                      | -5.000                     | 0.087                      | 63.800                     | 0.700                      | 6.930                      | -5.000                     | 1.880                      | -500.000                   | 1.030                      |
| 45555  | 379649.11    | 5324445.49    | 6.540                      | -20.000                    | 1.740                     | 4.470                      | 0.250                      | -5.000                     | 0.051                      | 101.000                    | 0.530                      | 2.640                      | -5.000                     | 0.820                      | -500.000                   | 1.280                      |
| 45556  | 379631.18    | 5324430.07    | 6.560                      | -20.000                    | 2.030                     | 5.870                      | 0.290                      | -5.000                     | 0.037                      | 107.000                    | 0.720                      | 4.340                      | -5.000                     | 0.990                      | -500.000                   | 1.600                      |
| 45557  | 379610.47    | 5324413.73    | 6.480                      | -20.000                    | 3.960                     | 36.300                     | 0.460                      | -5.000                     | 0.082                      | 151.000                    | 0.730                      | 5.750                      | -5.000                     | 5.090                      | -500.000                   | 1.570                      |
| 45558  | 379591.68    | 5324399.10    | 6.890                      | -20.000                    | 3.280                     | 34.900                     | 0.500                      | -5.000                     | 0.093                      | 136.000                    | 0.680                      | 5.750                      | -5.000                     | 4.960                      | -500.000                   | 2.430                      |
| 45559  | 379570.97    | 5324383.68    | 5.830                      | -20.000                    | 2.010                     | 10.500                     | 0.310                      | -5.000                     | 0.047                      | 86.200                     | 0.530                      | 4.510                      | -5.000                     | 1.640                      | -500.000                   | -1.000                     |
| 45560  | 379552.86    | 5324366.43    | 6.300                      | -20.000                    | 3.210                     | 14.300                     | 0.380                      | -5.000                     | 0.088                      | 101.000                    | 0.440                      | 5.050                      | -5.000                     | 1.860                      | -500.000                   | 1.360                      |
| 45561  | 379534.07    | 5324351.93    | 6.030                      | -20.000                    | 2.810                     | 10.100                     | 0.360                      | -5.000                     | 0.022                      | 162.000                    | 0.670                      | 5.490                      | -5.000                     | 1.450                      | -500.000                   | 1.230                      |
| 45562  | 379513.36    | 5324337.29    | 8.250                      | -20.000                    | 3.060                     | 19.600                     | 0.490                      | -10.000                    | 0.015                      | 189.000                    | 3.150                      | 11.600                     | -5.000                     | 4.360                      | -500.000                   | 1.620                      |
| 45563  | 379491.95    | 5324320.96    | 5.020                      | -20.000                    | 1.140                     | 3.390                      | -0.200                     | -10.000                    | 0.016                      | 80.900                     | 1.630                      | 6.240                      | -5.000                     | 0.810                      | -500.000                   | -1.000                     |
| 45564  | 379472.11    | 5324307.24    | 8.550                      | -20.000                    | 2.420                     | 17.800                     | 0.460                      | -10.000                    | 0.043                      | 171.000                    | 2.780                      | 11.900                     | -5.000                     | 3.830                      | -500.000                   | 1.720                      |
| 45565  | 379450.70    | 5324290.91    | 16.100                     | -20.000                    | 0.470                     | 2.060                      | -0.200                     | -5.000                     | 0.016                      | 21.800                     | 0.520                      | 3.220                      | -5.000                     | 0.350                      | -500.000                   | -1.000                     |
| 45566  | 379430.86    | 5324276.27    | 11.000                     | -20.000                    | 0.410                     | 10.500                     | 0.420                      | -15.000                    | 0.047                      | 28.100                     | 1.590                      | 16.200                     | -5.000                     | 1.930                      | -500.000                   | -1.000                     |
| 45567  | 379411.20    | 5324261.64    | 16.900                     | -20.000                    | 0.700                     | 2.170                      | 0.240                      | -5.000                     | 0.016                      | 42.000                     | 0.850                      | 4.460                      | -5.000                     | 0.440                      | -500.000                   | -1.000                     |
| 45568  | 379356.06    | 5324493.99    | 0.990                      | -20.000                    | 0.210                     | 2.290                      | -0.200                     | -5.000                     | 0.046                      | -20.000                    | 0.610                      | 0.780                      | -5.000                     | 0.360                      | -500.000                   | -1.000                     |
| 45569  | 379391.72    | 5324525.99    | 7.740                      | -20.000                    | 2.120                     | 10.800                     | 0.330                      | -5.000                     | 0.104                      | 124.000                    | 0.900                      | 9.300                      | -5.000                     | 1.970                      | -500.000                   | 1.000                      |
| 45570  | 379429.99    | 5324553.55    | 4.650                      | -20.000                    | 0.990                     | 36.700                     | 0.250                      | -5.000                     | 0.039                      | 38.700                     | 0.760                      | 3.000                      | -5.000                     | 4.980                      | -500.000                   | 1.270                      |
| 45571  | 379470.87    | 5324584.64    | 3.900                      | -20.000                    | 1.790                     | 31.300                     | 0.240                      | -5.000                     | 0.028                      | 66.800                     | 0.480                      | 5.050                      | -5.000                     | 4.510                      | -500.000                   | 1.120                      |
| 45572  | 379513.49    | 5324614.81    | 4.800                      | -20.000                    | 2.310                     | 28.200                     | 0.310                      | -5.000                     | 0.038                      | 92.700                     | 0.340                      | 5.040                      | -5.000                     | 3.900                      | -500.000                   | 1.550                      |
| 45573  | 379265.25    | 5324612.32    | 4.320                      | -20.000                    | 1.530                     | 30.500                     | 0.310                      | -5.000                     | 0.020                      | 59.500                     | 1.650                      | 4.240                      | -5.000                     | 4.020                      | -500.000                   | 1.060                      |
| 45574  | 379283.17    | 5324630.22    | 4.880                      | -20.000                    | 1.240                     | 34.900                     | 0.350                      | -5.000                     | 0.025                      | 62.800                     | 1.660                      | 4.480                      | -5.000                     | 4.670                      | -500.000                   | -1.000                     |
| 45575  | 379300.39    | 5324644.32    | 4.220                      | -20.000                    | 1.590                     | 28.800                     | 0.270                      | -5.000                     | 0.027                      | 67.400                     | 1.660                      | 4.200                      | -5.000                     | 3.840                      | -500.000                   | 1.240                      |
| 45576  | 379319.35    | 5324661.56    | 6.360                      | -20.000                    | 1.150                     | 25.200                     | 0.290                      | -5.000                     | 0.094                      | 63.200                     | 0.830                      | 3.890                      | -5.000                     | 3.830                      | -500.000                   | 1.030                      |
| 45577  | 379338.66    | 5324673.71    | 5.270                      | -20.000                    | 0.770                     | 11.300                     | 0.220                      | -5.000                     | 0.090                      | 35.200                     | 1.100                      | 4.370                      | -5.000                     | 1.690                      | -500.000                   | -1.000                     |
| 45578  | 379362.32    | 5324690.95    | 8.020                      | -20.000                    | 2.100                     | 25.300                     | 0.380                      | -5.000                     | 0.029                      | 98.400                     | 0.880                      | 6.930                      | -5.000                     | 4.540                      | -500.000                   | 1.070                      |
| 45579  | 379104.00    | 5324586.00    | 3.320                      | -20.000                    | -0.200                    | 27.200                     | 0.270                      | -5.000                     | 3.430                      | -20.000                    | 3.520                      | 1.270                      | -5.000                     | 4.410                      | -500.000                   | -1.000                     |

|                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Laboratory:      | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE |
| Detection Limit: | 1.000  | 0.000  | 0.200  | 0.500  | 0.200  | 5.000  | 0.050  | 0.000  | 0.000  | 0.200  | 5.000  | 5.000  | 0.200  | 500.00 | 1.000  |        |
| Method:          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

| sample | True easting | True northing | Th_n ppm<br>BECQUE<br>INAA | U_n ppm<br>BECQUE<br>INAA3 | W_n ppm<br>BECQUE<br>INAA3 | Yb_n ppm<br>BECQUE<br>INAA | Zn_n ppm<br>BECQUE<br>INAA | BECQUE Zr<br>ppmINAA30 |
|--------|--------------|---------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------|
| 45538  | 379829.44    | 5324116.47    | 21.000                     | 5.070                      | -2.000                     | 1.890                      | 124.000                    | -500.000               |
| 45539  | 379789.23    | 5324087.98    | 10.100                     | -2.000                     | -2.000                     | 1.820                      | -100.000                   | -500.000               |
| 45540  | 379747.29    | 5324057.80    | 19.500                     | 3.670                      | -2.000                     | 2.750                      | -100.000                   | -500.000               |
| 45541  | 379709.52    | 5324031.01    | 9.410                      | 3.050                      | -2.000                     | 1.950                      | -100.000                   | -500.000               |
| 45542  | 379704.11    | 5324295.09    | 24.600                     | 3.330                      | -2.000                     | 3.220                      | -100.000                   | -500.000               |
| 45543  | 379664.08    | 5324266.08    | 13.300                     | 3.210                      | -2.000                     | 1.850                      | -100.000                   | -500.000               |
| 45544  | 379624.92    | 5324234.59    | 8.400                      | -2.000                     | -2.000                     | 3.540                      | -100.000                   | 506.000                |
| 45545  | 379675.93    | 5324000.04    | 9.700                      | 2.490                      | -2.000                     | 2.220                      | -100.000                   | -500.000               |
| 45546  | 379627.20    | 5323966.46    | 9.600                      | 2.500                      | 2.550                      | 2.420                      | -100.000                   | -500.000               |
| 45547  | 379593.61    | 5323941.37    | 0.890                      | -2.000                     | -2.000                     | 0.660                      | -100.000                   | -500.000               |
| 45548  | 379549.23    | 5323901.13    | 1.720                      | -2.000                     | -2.000                     | 0.640                      | -100.000                   | -500.000               |
| 45549  | 379514.77    | 5323878.52    | 13.500                     | 2.260                      | 3.080                      | 2.550                      | -100.000                   | -500.000               |
| 45550  | 379423.03    | 5324073.48    | 9.630                      | 2.160                      | -2.000                     | 2.390                      | -100.000                   | -500.000               |
| 45551  | 379461.67    | 5324101.96    | 8.320                      | -2.000                     | -2.000                     | 1.590                      | -100.000                   | -500.000               |
| 45552  | 379501.00    | 5324138.03    | 15.900                     | 3.090                      | -2.000                     | 3.310                      | -100.000                   | -500.000               |
| 45553  | 379543.81    | 5324166.51    | -0.500                     | -2.000                     | -2.000                     | -0.500                     | -100.000                   | -500.000               |
| 45554  | 379586.45    | 5324204.01    | 9.940                      | 2.220                      | -2.000                     | 1.890                      | -100.000                   | -500.000               |
| 45555  | 379649.11    | 5324445.49    | 8.900                      | 2.300                      | -2.000                     | 1.540                      | -100.000                   | -500.000               |
| 45556  | 379631.18    | 5324430.07    | 9.370                      | 2.570                      | -2.000                     | 1.690                      | -100.000                   | -500.000               |
| 45557  | 379610.47    | 5324413.73    | 13.500                     | 2.590                      | -2.000                     | 2.930                      | -100.000                   | -500.000               |
| 45558  | 379591.68    | 5324399.10    | 14.000                     | -2.000                     | -2.000                     | 3.240                      | -100.000                   | -500.000               |
| 45559  | 379570.97    | 5324383.68    | 9.280                      | -2.000                     | -2.000                     | 2.000                      | -100.000                   | -500.000               |
| 45560  | 379552.86    | 5324366.43    | 13.300                     | 2.990                      | -2.000                     | 2.540                      | -100.000                   | -500.000               |
| 45561  | 379534.07    | 5324351.93    | 12.500                     | 3.230                      | -2.000                     | 2.540                      | -100.000                   | -500.000               |
| 45562  | 379513.36    | 5324337.29    | 28.800                     | 5.620                      | 2.700                      | 3.210                      | -100.000                   | -500.000               |
| 45563  | 379491.95    | 5324320.96    | 29.100                     | 5.870                      | -2.000                     | 1.270                      | -100.000                   | -500.000               |
| 45564  | 379472.11    | 5324307.24    | 29.500                     | 7.210                      | -2.000                     | 3.040                      | -100.000                   | -500.000               |
| 45565  | 379450.70    | 5324290.91    | 2.830                      | -2.000                     | -2.000                     | 0.980                      | -100.000                   | 663.000                |
| 45566  | 379430.86    | 5324276.27    | 36.300                     | 11.200                     | -2.000                     | 2.420                      | 144.000                    | -500.000               |
| 45567  | 379411.20    | 5324261.64    | 3.120                      | -2.000                     | -2.000                     | 1.190                      | -100.000                   | 746.000                |
| 45568  | 379356.06    | 5324493.99    | 1.150                      | -2.000                     | -2.000                     | -0.500                     | -100.000                   | -500.000               |
| 45569  | 379391.72    | 5324525.99    | 9.910                      | 3.350                      | -2.000                     | 2.280                      | -100.000                   | -500.000               |
| 45570  | 379429.99    | 5324553.55    | 7.890                      | -2.000                     | -2.000                     | 1.820                      | -100.000                   | -500.000               |
| 45571  | 379470.87    | 5324584.64    | 9.780                      | -2.000                     | -2.000                     | 1.620                      | -100.000                   | -500.000               |
| 45572  | 379513.49    | 5324614.81    | 9.010                      | -2.000                     | -2.000                     | 2.020                      | -100.000                   | -500.000               |
| 45573  | 379265.25    | 5324612.32    | 8.000                      | -2.000                     | 3.000                      | 2.010                      | -100.000                   | -500.000               |
| 45574  | 379283.17    | 5324630.22    | 9.020                      | 2.080                      | -2.000                     | 2.180                      | -100.000                   | -500.000               |
| 45575  | 379300.39    | 5324644.32    | 7.930                      | -2.000                     | -2.000                     | 1.800                      | -100.000                   | -500.000               |
| 45576  | 379319.35    | 5324661.56    | 7.310                      | 2.340                      | -2.000                     | 1.910                      | -100.000                   | -500.000               |
| 45577  | 379338.66    | 5324673.71    | 4.950                      | -2.000                     | -2.000                     | 1.510                      | -100.000                   | -500.000               |
| 45578  | 379362.32    | 5324690.95    | 8.210                      | -2.000                     | -2.000                     | 2.620                      | -100.000                   | -500.000               |
| 45579  | 379104.00    | 5324586.00    | 6.450                      | -2.000                     | 4.670                      | 1.770                      | -100.000                   | -500.000               |

|                 |        |        |        |        |        |        |
|-----------------|--------|--------|--------|--------|--------|--------|
| Laboratory:     | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE | BECQUE |
| etection Limit: | 0.500  | 2.000  | 2.000  | 0.500  | 100.00 | 100.00 |
| Method:         |        |        |        |        |        | INAA30 |

APPENDIX 3

Soil geochemistry results, Penghana  
Prospect

| Sample | TNorth      | TEast     | Au ppm<br>ANALAB 309 | Au(r) ppm<br>ANALAB 6G3 | Cu ppm<br>ANALAB<br>6A140 | Pb ppm<br>ANALAB<br>6A140 | Zn ppm<br>ANALAB<br>6A140 |
|--------|-------------|-----------|----------------------|-------------------------|---------------------------|---------------------------|---------------------------|
| 45630  | 5,343,793.5 | 379,574.2 | -0.008               |                         | 4.000                     | -5.000                    | 14.000                    |
| 45631  | 5,343,794.3 | 379,600.9 | -0.008               |                         | 4.000                     | -5.000                    | 15.000                    |
| 45632  | 5,343,794.9 | 379,625.1 | -0.008               |                         | 11.000                    | 10.000                    | 24.000                    |
| 45633  | 5,343,794.3 | 379,648.0 | -0.008               |                         | 9.000                     | -5.000                    | 12.000                    |
| 45634  | 5,343,793.7 | 379,673.5 | -0.008               |                         | 5.000                     | -5.000                    | 19.000                    |
| 45635  | 5,343,794.4 | 379,696.4 | -0.008               |                         | 6.000                     | -5.000                    | 18.000                    |
| 45636  | 5,343,793.8 | 379,723.1 | -0.008               |                         | 8.000                     | 5.000                     | 8.000                     |
| 45637  | 5,343,793.2 | 379,746.0 | -0.008               | -0.008                  | 25.000                    | 208.000                   | 23.000                    |
| 45638  | 5,343,790.2 | 379,775.4 | -0.008               |                         | -4.000                    | 35.000                    | 12.000                    |
| 45639  | 5,343,793.4 | 379,800.7 | -0.008               |                         | 17.000                    | 16.000                    | 14.000                    |
| 45640  | 5,343,795.4 | 379,470.9 | -0.008               |                         | 32.000                    | 70.000                    | 33.000                    |
| 45641  | 5,343,797.3 | 379,450.4 | -0.008               |                         | 17.000                    | 15.000                    | 20.000                    |
| 45642  | 5,343,796.5 | 379,419.9 | -0.008               |                         | 9.000                     | 6.000                     | 10.000                    |
| 45643  | 5,343,793.2 | 379,393.3 | -0.008               |                         | 7.000                     | -5.000                    | 9.000                     |
| 45644  | 5,343,796.3 | 379,370.3 | 0.017                |                         | 4.000                     | -5.000                    | 6.000                     |
| 45645  | 5,343,795.7 | 379,348.6 | -0.008               |                         | 21.000                    | 5.000                     | 10.000                    |
| 45646  | 5,343,795.0 | 379,325.7 | -0.008               |                         | 6.000                     | -5.000                    | 11.000                    |
| 45647  | 5,343,795.5 | 379,297.7 | -0.008               |                         | -4.000                    | -5.000                    | 4.000                     |
| 45648  | 5,343,794.8 | 379,273.6 | -0.008               |                         | 4.000                     | -5.000                    | 4.000                     |
| 45649  | 5,343,795.4 | 379,249.4 | -0.008               |                         | 10.000                    | 24.000                    | 23.000                    |
| 45651  | 5,343,795.9 | 379,221.3 | -0.008               |                         | 11.000                    | 11.000                    | 45.000                    |
| 45652  | 5,343,796.4 | 379,195.9 | -0.008               | -0.008                  | 7.000                     | 6.000                     | 98.000                    |
| 45653  | 5,343,795.7 | 379,171.7 | -0.008               |                         | 15.000                    | 26.000                    | 151.000                   |
| 45654  | 5,343,795.1 | 379,150.1 | -0.008               |                         | 32.000                    | 79.000                    | 131.000                   |
| 45655  | 5,343,791.7 | 379,120.9 | -0.008               |                         | 41.000                    | 73.000                    | 369.000                   |
| 45656  | 5,343,793.7 | 379,099.2 | -0.008               |                         | 15.000                    | 73.000                    | 291.000                   |
| 45657  | 5,343,794.2 | 379,073.7 | -0.008               |                         | 14.000                    | 41.000                    | 97.000                    |
| 45658  | 5,343,793.5 | 379,048.3 | -0.008               |                         | 42.000                    | 58.000                    | 88.000                    |
| 45659  | 5,343,792.8 | 379,022.9 | -0.008               |                         | 155.000                   | 13.000                    | 59.000                    |
| 45660  | 5,343,797.1 | 378,996.0 | -0.008               |                         | 19.000                    | 14.000                    | 14.000                    |
| 45661  | 5,343,592.2 | 379,528.5 | -0.008               |                         | -4.000                    | 17.000                    | 9.000                     |
| 45662  | 5,343,590.4 | 379,552.8 | -0.008               | -0.008                  | -4.000                    | -5.000                    | 5.000                     |
| 45663  | 5,343,593.6 | 379,578.1 | -0.008               |                         | 10.000                    | 7.000                     | 9.000                     |
| 45664  | 5,343,593.1 | 379,603.6 | -0.008               |                         | -4.000                    | 5.000                     | 15.000                    |
| 45665  | 5,343,592.1 | 379,478.9 | -0.008               |                         | 12.000                    | 10.000                    | 19.000                    |
| 45666  | 5,343,591.4 | 379,454.7 | -0.008               |                         | 8.000                     | -5.000                    | 5.000                     |
| 45667  | 5,343,591.9 | 379,428.0 | -0.008               |                         | 19.000                    | 34.000                    | 26.000                    |
| 45668  | 5,343,593.8 | 379,403.7 | -0.008               |                         | 16.000                    | 44.000                    | 24.000                    |
| 45669  | 5,343,594.3 | 379,377.0 | -0.008               |                         | 7.000                     | -5.000                    | 7.000                     |
| 45670  | 5,343,596.0 | 379,350.2 | -0.008               |                         | 11.000                    | 7.000                     | 7.000                     |
| 45671  | 5,343,594.2 | 379,328.6 | -0.008               |                         | 18.000                    | 10.000                    | 42.000                    |
| 45672  | 5,343,590.8 | 379,300.7 | -0.008               |                         | 14.000                    | 5.000                     | 7.000                     |
| 45673  | 5,343,590.1 | 379,275.3 | -0.008               |                         | 4.000                     | 6.000                     | 42.000                    |
| 45674  | 5,343,593.1 | 379,248.5 | -0.008               |                         | 18.000                    | 8.000                     | 96.000                    |
| 45676  | 5,343,591.2 | 379,224.3 | -0.008               |                         | 25.000                    | 13.000                    | 10.000                    |
| 45677  | 5,343,593.0 | 379,200.1 | -0.008               | -0.008                  | 42.000                    | 119.000                   | 102.000                   |
| 45678  | 5,343,591.0 | 379,174.7 | -0.008               |                         | 51.000                    | 90.000                    | 71.000                    |
| 45679  | 5,343,592.8 | 379,147.9 | -0.008               |                         | 16.000                    | 48.000                    | 58.000                    |
| 45680  | 5,343,593.4 | 379,123.7 | -0.008               |                         | 14.000                    | 90.000                    | 164.000                   |
| 45681  | 5,343,592.7 | 379,099.5 | -0.008               |                         | 23.000                    | 49.000                    | 99.000                    |
| 45682  | 5,343,593.3 | 379,075.3 | -0.008               |                         | 8.000                     | 37.000                    | 82.000                    |
| 45683  | 5,343,590.0 | 379,050.0 | -0.008               |                         | 43.000                    | 35.000                    | 53.000                    |
| 45684  | 5,343,591.9 | 379,025.7 | -0.008               |                         | 36.000                    | 28.000                    | 112.000                   |
| 45685  | 5,343,592.5 | 379,002.8 | -0.008               |                         | 10.000                    | 50.000                    | 36.000                    |
| 45686  | 5,343,392.6 | 378,995.5 | -0.008               |                         | 22.000                    | 41.000                    | 15.000                    |
| 45687  | 5,343,392.0 | 379,018.4 | -0.008               | -0.008                  | 19.000                    | -5.000                    | 37.000                    |
| 45688  | 5,343,392.6 | 379,041.3 | -0.008               |                         | 35.000                    | 30.000                    | 22.000                    |
| 45689  | 5,343,392.1 | 379,065.5 | -0.008               |                         | 28.000                    | 19.000                    | 18.000                    |
| 45690  | 5,343,391.5 | 379,091.0 | -0.008               |                         | 99.000                    | 16.000                    | 73.000                    |
| 45691  | 5,343,392.2 | 379,116.4 | -0.008               |                         | 6.000                     | 14.000                    | 31.000                    |
| 45692  | 5,343,392.9 | 379,140.6 | -0.008               |                         | 8.000                     | 46.000                    | 8.000                     |
| 45693  | 5,343,397.5 | 379,165.9 | -0.008               |                         | 10.000                    | 22.000                    | 32.000                    |
| 45694  | 5,343,396.8 | 379,186.3 | -0.008               |                         | 31.000                    | 22.000                    | 12.000                    |
| 45695  | 5,343,397.5 | 379,210.5 | -0.008               |                         | 7.000                     | -5.000                    | 13.000                    |
| 45696  | 5,343,396.9 | 379,235.9 | -0.008               |                         | 11.000                    | 6.000                     | 12.000                    |
| 45697  | 5,343,395.1 | 379,260.2 | -0.008               |                         | 8.000                     | 5.000                     | 11.000                    |
| 45698  | 5,343,394.5 | 379,286.9 | -0.008               |                         | 16.000                    | 13.000                    | 11.000                    |
| 45699  | 5,343,396.5 | 379,311.0 | -0.008               |                         | 11.000                    | 7.000                     | 22.000                    |
| 45701  | 5,343,399.8 | 379,336.4 | -0.008               |                         | 31.000                    | 14.000                    | 12.000                    |
| 45702  | 5,343,399.2 | 379,360.6 | -0.008               | -0.008                  | 7.000                     | -5.000                    | -4.000                    |
| 45703  | 5,343,397.4 | 379,386.1 | -0.008               |                         | 8.000                     | 9.000                     | 11.000                    |
| 45704  | 5,343,396.9 | 379,412.9 | -0.008               |                         | 10.000                    | 5.000                     | 6.000                     |
| 45705  | 5,343,396.2 | 379,434.5 | -0.008               |                         | 8.000                     | -5.000                    | 6.000                     |
| 45706  | 5,343,395.7 | 379,461.3 | -0.008               |                         | 16.000                    | 9.000                     | 6.000                     |
| 45707  | 5,343,195.3 | 379,123.0 | -0.008               |                         | 23.000                    | 18.000                    | 8.000                     |
| 45708  | 5,343,195.9 | 379,100.1 | -0.008               |                         | 30.000                    | 54.000                    | 839.000                   |
| 45709  | 5,343,195.2 | 379,074.6 | -0.008               |                         | 14.000                    | 10.000                    | 68.000                    |
| 45710  | 5,343,195.7 | 379,049.2 | -0.008               |                         | 33.000                    | 18.000                    | 278.000                   |
| 45711  | 5,343,195.0 | 379,025.0 | -0.008               |                         | 47.000                    | 38.000                    | 84.000                    |
| 45712  | 5,342,991.7 | 379,122.1 | -0.008               | -0.008                  | 9.000                     | 7.000                     | 10.000                    |
| 45713  | 5,342,991.1 | 379,100.5 | -0.008               |                         | 32.000                    | 15.000                    | 23.000                    |
| 45714  | 5,342,994.1 | 379,072.4 | -0.008               |                         | 4.000                     | -5.000                    | 11.000                    |
| 45715  | 5,342,992.1 | 379,047.0 | -0.008               |                         | 7.000                     | -5.000                    | 9.000                     |
| 45716  | 5,342,988.9 | 379,022.9 | -0.008               |                         | 49.000                    | 21.000                    | 87.000                    |
| 45717  | 5,343,000.9 | 378,997.1 | -0.008               |                         | 5.000                     | 14.000                    | 8.000                     |

| Sample | TNorth      | TEast     | Au ppm<br>ANALAB 309 | Au(r) ppm<br>ANALAB GG3 | Cu ppm<br>ANALAB<br>GA140 | Pb ppm<br>ANALAB<br>GA140 | Zn ppm<br>ANALAB<br>GA140 |
|--------|-------------|-----------|----------------------|-------------------------|---------------------------|---------------------------|---------------------------|
| 44401  | 5,343,994.9 | 379,476.3 | -0.008               |                         | 14.000                    | 12.000                    | 136.000                   |
| 44402  | 5,343,995.1 | 379,451.2 | -0.008               | -0.008                  | 42.000                    | 19.000                    | 31.000                    |
| 44403  | 5,343,995.6 | 379,427.4 | -0.008               |                         | 22.000                    | 22.000                    | 18.000                    |
| 44404  | 5,343,998.4 | 379,402.0 | -0.008               |                         | 80.000                    | 137.000                   | 147.000                   |
| 44405  | 5,343,996.2 | 379,376.9 | -0.008               |                         | 99.000                    | 98.000                    | 60.000                    |
| 44406  | 5,343,996.2 | 379,352.0 | -0.008               |                         | 24.000                    | 16.000                    | 29.000                    |
| 44407  | 5,343,994.7 | 379,325.8 | -0.008               | -0.008                  | 12.000                    | 21.000                    | 58.000                    |
| 44408  | 5,343,994.2 | 379,303.8 | -0.008               |                         | 5.000                     | 6.000                     | 23.000                    |
| 44409  | 5,343,992.7 | 379,277.8 | -0.008               |                         | 48.000                    | 38.000                    | 67.000                    |
| 44410  | 5,343,993.7 | 379,251.3 | -0.008               |                         | 86.000                    | 96.000                    | 74.000                    |
| 44411  | 5,343,994.4 | 379,230.2 | -0.008               |                         | 75.000                    | 6.000                     | 104.000                   |
| 44412  | 5,343,997.2 | 379,199.1 | -0.008               | -0.008                  | 24.000                    | 17.000                    | 80.000                    |
| 44413  | 5,343,995.7 | 379,175.1 | -0.008               |                         | 43.000                    | -5.000                    | 89.000                    |
| 44414  | 5,343,993.7 | 379,148.0 | -0.008               |                         | 24.000                    | 28.000                    | 169.000                   |
| 44415  | 5,343,994.5 | 379,124.0 | -0.008               |                         | 125.000                   | 14.000                    | 75.000                    |
| 44416  | 5,343,993.9 | 379,099.7 | -0.008               |                         | 16.000                    | -5.000                    | 27.000                    |
| 44417  | 5,343,995.6 | 379,072.6 | -0.008               |                         | 7.000                     | -5.000                    | 18.000                    |
| 44418  | 5,343,998.3 | 379,047.9 | -0.008               |                         | 18.000                    | 18.000                    | 22.000                    |
| 44419  | 5,343,998.5 | 379,023.3 | -0.008               |                         | 5.000                     | -5.000                    | 15.000                    |
| 44420  | 5,343,997.1 | 378,999.0 | -0.008               |                         | 14.000                    | 38.000                    | 23.000                    |
| 44421  | 5,343,994.8 | 379,552.3 | -0.008               |                         | 60.000                    | 30.000                    | 62.000                    |
| 44422  | 5,343,997.9 | 379,576.5 | -0.008               | -0.008                  | 14.000                    | -5.000                    | 18.000                    |
| 44423  | 5,343,996.3 | 379,603.4 | -0.008               |                         | 40.000                    | 23.000                    | 83.000                    |
| 44424  | 5,343,994.8 | 379,629.4 | -0.008               | -0.008                  | 32.000                    | 27.000                    | 69.000                    |
| 44425  | 5,343,993.3 | 379,653.6 | -0.008               |                         | 16.000                    | -5.000                    | 20.000                    |
| 44426  | 5,343,993.7 | 379,680.5 | -0.008               |                         | 6.000                     | 63.000                    | 21.000                    |
| 44427  | 5,343,994.2 | 379,703.2 | -0.008               |                         | 7.000                     | 11.000                    | 24.000                    |
| 44428  | 5,343,993.8 | 379,728.5 | -0.008               |                         | 5.000                     | -5.000                    | 16.000                    |
| 44429  | 5,343,993.3 | 379,753.4 | -0.008               |                         | 11.000                    | 13.000                    | 33.000                    |
| 44430  | 5,343,994.4 | 379,777.7 | -0.008               | -0.008                  | 7.000                     | 221.000                   | 58.000                    |
| 44431  | 5,343,993.4 | 379,806.1 | -0.008               | -0.008                  | 17.000                    | 30.000                    | 16.000                    |
| 44432  | 5,344,190.4 | 379,514.7 | -0.008               |                         | 15.000                    | 17.000                    | 26.000                    |
| 44433  | 5,344,193.3 | 379,540.5 | -0.008               |                         | 13.000                    | 32.000                    | 21.000                    |
| 44434  | 5,344,192.2 | 379,564.3 | -0.008               | -0.008                  | 18.000                    | 19.000                    | 14.000                    |
| 44435  | 5,344,191.9 | 379,586.3 | -0.008               |                         | 11.000                    | 24.000                    | 52.000                    |
| 44436  | 5,344,192.4 | 379,613.8 | -0.008               |                         | -4.000                    | 13.000                    | 45.000                    |
| 44437  | 5,344,192.0 | 379,640.7 | -0.008               | -0.008                  | 5.000                     | 13.000                    | 39.000                    |
| 44438  | 5,344,190.2 | 379,666.5 | -0.008               |                         | 19.000                    | 10.000                    | 22.000                    |
| 44439  | 5,344,190.2 | 379,690.7 | -0.008               |                         | 5.000                     | 6.000                     | 23.000                    |
| 44440  | 5,344,194.4 | 379,714.5 | -0.008               |                         | 13.000                    | -5.000                    | 19.000                    |
| 44441  | 5,344,196.0 | 379,739.8 | -0.008               |                         | 13.000                    | 15.000                    | 28.000                    |
| 44442  | 5,344,193.1 | 379,765.0 | -0.008               |                         | 20.000                    | 25.000                    | 25.000                    |
| 44443  | 5,344,193.8 | 379,792.7 | -0.008               |                         | 7.000                     | 8.000                     | 16.000                    |
| 44444  | 5,344,194.1 | 379,465.3 | -0.008               |                         | 100.000                   | 40.000                    | 18.000                    |
| 44445  | 5,344,192.3 | 379,440.4 | 0.011                |                         | 89.000                    | 12.000                    | 188.000                   |
| 44446  | 5,344,194.1 | 379,415.3 | -0.008               |                         | 48.000                    | 19.000                    | 105.000                   |
| 44447  | 5,344,193.0 | 379,390.4 | -0.008               | -0.008                  | 9.000                     | 15.000                    | 55.000                    |
| 44448  | 5,344,194.3 | 379,366.0 | -0.008               |                         | 15.000                    | 18.000                    | 43.000                    |
| 44449  | 5,344,194.0 | 379,339.5 | -0.008               |                         | 7.000                     | 15.000                    | 22.000                    |
| 44450  | 5,344,195.6 | 379,316.8 | -0.008               |                         | 8.000                     | 118.000                   | 15.000                    |
| 44451  | 5,344,195.8 | 379,291.5 | -0.008               | -0.008                  | 23.000                    | 86.000                    | 43.000                    |
| 44452  | 5,344,195.8 | 379,265.9 | -0.008               | 0.009                   | 52.000                    | 120.000                   | 71.000                    |
| 44453  | 5,344,195.8 | 379,241.9 | -0.008               |                         | 214.000                   | 110.000                   | 156.000                   |
| 44454  | 5,344,196.9 | 379,217.0 | 0.009                | -0.008                  | 125.000                   | 122.000                   | 58.000                    |
| 44455  | 5,344,198.2 | 379,193.0 | -0.008               | -0.008                  | 18.000                    | 41.000                    | 31.000                    |
| 44456  | 5,344,199.1 | 379,170.7 | -0.008               | -0.008                  | 44.000                    | 74.000                    | 89.000                    |
| 44457  | 5,344,197.5 | 379,145.8 | -0.008               | -0.008                  | 19.000                    | 80.000                    | 86.000                    |
| 44458  | 5,344,195.1 | 379,119.8 | -0.008               | -0.008                  | 11.000                    | 28.000                    | 290.000                   |
| 44459  | 5,344,195.3 | 379,095.8 | -0.008               |                         | 20.000                    | 73.000                    | 253.000                   |
| 44460  | 5,344,196.2 | 379,069.4 | -0.008               |                         | 15.000                    | 49.000                    | 119.000                   |
| 44461  | 5,344,195.9 | 379,045.4 | -0.008               |                         | 15.000                    | 47.000                    | 64.000                    |
| 44462  | 5,344,195.3 | 379,018.9 | -0.008               | -0.008                  | 43.000                    | 53.000                    | 58.000                    |
| 44463  | 5,344,198.1 | 378,997.3 | -0.008               |                         | 8.000                     | 5.000                     | 37.000                    |
| 44464  | 5,344,392.6 | 379,792.3 | -0.008               | -0.008                  | 19.000                    | 65.000                    | 40.000                    |
| 44465  | 5,344,393.7 | 379,768.8 | -0.008               | -0.008                  | 6.000                     | 50.000                    | 31.000                    |
| 44466  | 5,344,394.6 | 379,744.3 | -0.008               |                         | 6.000                     | 70.000                    | 301.000                   |
| 44467  | 5,344,395.7 | 379,718.5 | -0.008               |                         | 10.000                    | 45.000                    | 123.000                   |
| 44468  | 5,344,395.7 | 379,695.4 | -0.008               | -0.008                  | 9.000                     | 41.000                    | 42.000                    |
| 44469  | 5,344,396.8 | 379,668.3 | -0.008               |                         | 4.000                     | 9.000                     | 28.000                    |
| 44470  | 5,344,396.1 | 379,643.2 | -0.008               |                         | 13.000                    | 26.000                    | 21.000                    |
| 44471  | 5,344,395.9 | 379,619.8 | -0.008               |                         | 16.000                    | -5.000                    | 23.000                    |
| 44472  | 5,344,395.0 | 379,593.2 | -0.008               | -0.008                  | 40.000                    | 45.000                    | 31.000                    |
| 44473  | 5,344,396.1 | 379,570.9 | -0.008               |                         | 36.000                    | 17.000                    | 60.000                    |
| 44474  | 5,344,398.3 | 379,543.6 | -0.009               |                         | 13.000                    | 17.000                    | 52.000                    |
| 44475  | 5,344,398.5 | 379,519.3 | -0.008               |                         | 15.000                    | 17.000                    | 51.000                    |
| 44476  | 5,344,397.1 | 379,468.4 | -0.008               |                         | 8.000                     | 10.000                    | 29.000                    |
| 44477  | 5,344,397.4 | 379,421.1 | -0.008               | -0.008                  | 11.000                    | 75.000                    | 71.000                    |
| 44478  | 5,344,397.4 | 379,397.0 | -0.008               |                         | 5.000                     | 27.000                    | 29.000                    |
| 44479  | 5,344,396.9 | 379,369.5 | -0.008               |                         | 27.000                    | 30.000                    | 53.000                    |
| 44480  | 5,344,396.0 | 379,343.5 | -0.008               |                         | 10.000                    | 19.000                    | 32.000                    |
| 44481  | 5,344,396.6 | 379,319.3 | -0.008               |                         | 11.000                    | 17.000                    | 28.000                    |
| 44482  | 5,344,398.2 | 379,294.1 | -0.008               | -0.008                  | 14.000                    | 124.000                   | 47.000                    |
| 44483  | 5,344,397.3 | 379,267.7 | -0.008               | -0.008                  | 13.000                    | 100.000                   | 36.000                    |
| 44484  | 5,344,397.3 | 379,244.4 | -0.008               |                         | 38.000                    | 39.000                    | 151.000                   |
| 44485  | 5,344,397.5 | 379,220.1 | -0.008               | -0.008                  | 16.000                    | 17.000                    | 55.000                    |
| 44486  | 5,344,397.0 | 379,192.1 | -0.008               | -0.008                  | 9.000                     | 14.000                    | 33.000                    |
| 44487  | 5,344,396.8 | 379,170.6 | -0.008               | -0.008                  | 16.000                    | 17.000                    | 41.000                    |

|       |             |           |        |        |         |         |         |
|-------|-------------|-----------|--------|--------|---------|---------|---------|
| 44488 | 5,344,396.4 | 379,145.2 | -0.013 |        | 12.000  | 9.000   | 32.000  |
| 44489 | 5,344,397.0 | 379,122.3 | -0.008 |        | 97.000  | 27.000  | 118.000 |
| 44490 | 5,344,397.0 | 379,098.1 | 0.037  | 0.026  | 76.000  | 30.000  | 35.000  |
| 44491 | 5,344,396.3 | 379,070.5 | -0.008 |        | 20.000  | 17.000  | 24.000  |
| 44492 | 5,344,396.7 | 379,045.0 | -0.008 |        | 6.000   | 5.000   | 22.000  |
| 44493 | 5,344,394.3 | 379,019.7 | -0.008 |        | 5.000   | 5.000   | 12.000  |
| 44494 | 5,344,393.5 | 379,001.4 | -0.008 | -0.008 | 17.000  | 8.000   | 14.000  |
| 44495 | 5,344,594.2 | 379,804.3 | -0.008 |        | 13.000  | 67.000  | 30.000  |
| 44496 | 5,344,593.5 | 379,778.3 | -0.008 | -0.008 | 28.000  | 137.000 | 104.000 |
| 44497 | 5,344,594.0 | 379,754.9 | -0.008 | -0.008 | 26.000  | 43.000  | 110.000 |
| 44498 | 5,344,594.4 | 379,731.1 | -0.008 |        | 19.000  | 54.000  | 29.000  |
| 44499 | 5,344,594.4 | 379,704.7 | -0.008 | -0.008 | 8.000   | 52.000  | 30.000  |
| 44500 | 5,344,594.8 | 379,681.8 | -0.008 | -0.008 | 8.000   | 58.000  | 110.000 |
| 45601 | 5,344,594.6 | 379,654.6 | -0.008 | -0.008 | 10.000  | -5.000  | 12.000  |
| 45602 | 5,344,595.5 | 379,630.5 | -0.008 |        | 20.000  | 29.000  | 32.000  |
| 45603 | 5,344,595.2 | 379,606.3 | -0.008 |        | 12.000  | 9.000   | 14.000  |
| 45604 | 5,344,596.1 | 379,578.3 | -0.008 |        | 59.000  | 108.000 | 187.000 |
| 45605 | 5,344,597.1 | 379,551.6 | -0.008 |        | 13.000  | 8.000   | 12.000  |
| 45606 | 5,344,596.8 | 379,527.5 | -0.008 |        | 20.000  | 28.000  | 51.000  |
| 45607 | 5,344,595.8 | 379,453.8 | -0.008 |        | 139.000 | 48.000  | 30.000  |
| 45608 | 5,344,598.0 | 379,427.1 | -0.008 |        | 22.000  | 37.000  | 39.000  |
| 45609 | 5,344,595.2 | 379,403.0 | -0.008 |        | 10.000  | 85.000  | 63.000  |
| 45610 | 5,344,596.1 | 379,377.5 | -0.008 |        | 8.000   | 67.000  | 33.000  |
| 45611 | 5,344,594.5 | 379,352.1 | -0.008 |        | 11.000  | 39.000  | 31.000  |
| 45612 | 5,344,595.5 | 379,326.7 | 0.037  |        | 34.000  | 36.000  | 11.000  |
| 45613 | 5,344,596.4 | 379,302.5 | -0.008 |        | 9.000   | -5.000  | 97.000  |
| 45614 | 5,344,596.1 | 379,277.1 | -0.008 |        | 17.000  | 67.000  | 55.000  |
| 45615 | 5,344,594.5 | 379,253.0 | -0.008 |        | 49.000  | 37.000  | 53.000  |
| 45616 | 5,344,595.5 | 379,227.6 | -0.008 |        | 165.000 | 21.000  | 123.000 |
| 45617 | 5,344,595.2 | 379,203.4 | -0.008 |        | 135.000 | 73.000  | 112.000 |
| 45618 | 5,344,594.9 | 379,178.0 | -0.008 |        | 80.000  | 74.000  | 60.000  |
| 45619 | 5,344,594.5 | 379,152.6 | -0.008 |        | 22.000  | 18.000  | 24.000  |
| 45620 | 5,344,595.5 | 379,127.2 | -0.008 |        | 35.000  | 200.000 | 52.000  |
| 45621 | 5,344,596.4 | 379,101.7 | -0.008 |        | 4.000   | -5.000  | 7.000   |
| 45622 | 5,344,597.4 | 379,078.8 | -0.008 | -0.008 | 5.000   | 8.000   | 4.000   |
| 45623 | 5,344,597.1 | 379,053.4 | 0.011  |        | 17.000  | 17.000  | 9.000   |
| 45624 | 5,344,595.5 | 379,026.8 | -0.008 |        | 8.000   | 5.000   | 7.000   |
| 45626 | 5,344,596.5 | 379,003.9 | -0.008 |        | 7.000   | 16.000  | 35.000  |
| 45627 | 5,343,792.7 | 379,497.9 | -0.008 |        | 22.000  | 54.000  | 24.000  |
| 45628 | 5,343,792.2 | 379,524.6 | -0.008 |        | 5.000   | 25.000  | 15.000  |
| 45629 | 5,343,792.8 | 379,547.5 | -0.008 |        | 10.000  | 15.000  | 30.000  |

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|                  |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.008  | 0.008  | 5.000  | 5.000  | 5.000  |
| Method:          |        |        |        |        |        |

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**APPENDIX 4**

**Geology of the Moxon Saddle Prospect,  
Western Tasmania**

**by David Boyd**

**RGC EXPLORATION PTY. LIMITED**

(on behalf of Renison Ltd)

**Geology of the Moxon Saddle Prospect, Western  
Tasmania**

Exploration Licence No. 102/87(Area 3)

by

**David Boyd**

**Geologist**

June, 1994.

**SUMMARY**

Detailed mapping of the Moxon Saddle grid has revealed a simple geology comprising north-trending fault-bounded blocks of, from east to west, feldspar-phyric dacite lava, quartz- and feldspar-phyric rhyolite lava, altered schistose silt and sandstone and feldspar-phyric volcanics. Separating the altered schistose silt and sandstone from the quartz- and feldspar-phyric rhyolite lava is the Henty Fault, over which are three large chargeability anomalies discovered by BHP Utah International in 1990 on the northern three lines of the grid. Associated with these chargeability anomalies are small Pb and Zn soil geochemical anomalies and, in the altered schistose silt and sandstone to the south is an old copper working explored in the early seventies and eighties by Goldfields Exploration. The best intersection from drillholes into the deposit yielded 14.4 m @ 0.43% Cu and 0.027 ppm Au.

A diamond hole drilled at -55° dip and roughly perpendicular to the strike of the Henty Fault should intersect the zone causing the IP anomaly at 290 m down the hole. Given the environmental sensitivity of the area, much of which is covered in sub-alpine King Billy Pine forest, the hole will need to be helicopter supported. No major site clearing will be required as a previously cleared site is available.

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|                                                              | page   |
|--------------------------------------------------------------|--------|
| <b>1.1 INTRODUCTION</b>                                      | - 1 -  |
| <b>1.2 LOCATION AND ACCESS</b>                               |        |
| <b>1.3 TERMINOLOGY</b>                                       |        |
| <br>                                                         |        |
| <b>2. PREVIOUS EXPLORATION</b>                               | - 2 -  |
| <br>                                                         |        |
| <b>3. PROSPECT GEOLOGY</b>                                   | - 4 -  |
| <b>3.1 INTRODUCTION</b>                                      |        |
| <b>3.2 TYNDALL GROUP</b>                                     | - 4 -  |
| <b>3.2.1 Quartz- and Feldspar-Phyric Rhyolite Lava [etf]</b> |        |
| <b>3.2.2 Quartz-Feldspar-Lava Epiclastic [ett]</b>           | - 5 -  |
| <br>                                                         |        |
| <b>3.3 CENTRAL VOLCANIC COMPLEX</b>                          |        |
| <b>3.3.1 Feldspar-Phyric Dacite Lava [ecv]</b>               |        |
| <b>3.3.2 Feldspar Epiclastic [ecvt]</b>                      | - 6 -  |
| <b>3.3.3 Altered Schistose Silt and Sandstone [ecvs]</b>     |        |
| <b>3.3.4 Feldspar-Phyric Volcanics [ecv]</b>                 | - 7 -  |
| <b>3.3.5 Chloritic Ashy Volcaniclastic [ecv]</b>             |        |
| <br>                                                         |        |
| <b>3.4 INTRUSIVE ROCKS</b>                                   | - 8 -  |
| <b>3.4.1 Dolerite [eg]</b>                                   |        |
| <b>3.4.2 Gabbro [eg]</b>                                     | - 9 -  |
| <br>                                                         |        |
| <b>3.5 QUARTZ FELDSPAR SANDSTONE [eOon]</b>                  |        |
| <br>                                                         |        |
| <b>3.6 SUMMARY</b>                                           |        |
| <br>                                                         |        |
| <b>4. GEOCHEMISTRY</b>                                       | - 10 - |
| <b>4.1 INTRODUCTION</b>                                      |        |
| <b>4.2 RESULTS</b>                                           |        |
| <b>4.2.1 Rock Chip Geochemistry</b>                          |        |
| <b>4.2.2 Soil Geochemistry</b>                               | - 11 - |

---

**4.3 SUMMARY**

- 12 -

**5. GEOPHYSICS**

- 13 -

**6. CONCLUSIONS AND RECOMMENDATIONS**

- 14 -

**REFERENCES**

- 15 -

**APPENDICES****Appendix 1. HFZ1 Assay Results****Appendix 2. Rock Chip and Soil Geochemistry Descriptions and Results****LIST OF FIGURES AND PLANS**

|                                                         | following page |
|---------------------------------------------------------|----------------|
| Figure 1. Location Plan                                 | - 1 -          |
| Figure 2. Line 7900 Induced Polarisation Pseudo-section | - 13 -         |
| Figure 3. Line 7700 Induced Polarisation Pseudo-section |                |
| Figure 4. Line 7500 Induced Polarisation Pseudo-section |                |
| Figure 5. Line 7300 Induced Polarisation Pseudo-section |                |

in back pockets

**Plan 1. Interpretative Geology****Plan 2. Sample Locations***REDUNDANT*

## 1.1 INTRODUCTION

Moxon Saddle is a gold and base-metal prospect about 26 km north of Queenstown in Western Tasmania (Fig. 1). Discovery of chargeability anomalies over the northern third of the Moxon Saddle grid by BHP-Utah Minerals International in 1990, and the possible stratigraphic and structural association of these anomalies with favourable gold and base metal horizons prompted a detailed mapping and soil-sampling program over the area, the results of which are presented in this report.

Prospectivity of the area is high, with Induced Polarisation (IP) anomalies along the northern three lines of the Moxon Saddle grid adjacent to the Henty Fault, in an area with sites of known (although minor) Cu deposition, and the possible presence of a stratigraphic horizon known to host major mineral deposits (e.g. Henty Gold Mine): the base of the Tyndall Group.

## 1.2 LOCATION AND ACCESS

Area 3 (Moxon Saddle) of E.L. 102/87 covers 2 km<sup>2</sup> of button-grass plain and King Billy Pine forest extending north from 5366000 mN to 5368000 mN and east from 381000 mE to 382000 mE (Fig. 1). Cut in 1989/1990 by BHP-Utah Minerals International, the Moxon Saddle grid abuts the eastern boundary of the Henty Mine Lease (7M/91), and access is via vehicular track through the mine.

## 1.3 TERMINOLOGY

Grid coordinates given in the text have been abbreviated to the last four numbers of the AMG northing and easting, e.g. 7900N/1400E refers to AMG coordinates 5367900N/381400E. Rock names, unit groups and relative ages are based on those accepted for the Mount Read Volcanics as used by (e.g.) Corbett (1986). Symbols in square brackets at the end of the sub-section titles in section 3, e.g. [Ct], refer to the symbols used on Plan 1.

## 2. PREVIOUS EXPLORATION

Apart from geophysical data collected by BHP-Utah Minerals International in 1990, no previous exploration over the Moxon Saddle grid has been completed. However, as part of exploration programs by Goldfields Exploration Pty. Ltd along the Henty Fault from 1973 to 1987 which discovered, and then proved the Henty Gold Deposit, three diamond drill holes (DDH) were drilled within the mapped area: HFZ (Henty Fault Zone) - 1, HFZ-2 and HP (Henty Prospect) -10. Geophysical and geochemical anomalies coincident with old workings prompted this drilling, testing targets along the Henty Fault at the northern extreme of E.L. 9/66.

In 1973 HFZ-1 was drilled to test a coincident Induced Polarisation (IP) anomaly and anomalous Cu levels in soil over an old working at 6675N/0825E (see Plan 1). The hole was collared at 6650N/0889E, drilled toward 264° at -35°, and ended in altered schistose silt and sandstone (see later), containing minor pyrite and chalcopyrite

throughout. Sulphide in the core is mostly associated with quartz-calcite veins, yielding 75 m @ 0.11% Cu and 1.75% FeS<sub>2</sub>, with the best intersection from 100.5 m to 117 m (16.5 m) @ 0.20 Cu (Wells, 1973). Fitzgerald and Pease (1985) re-assayed old samples of HFZ-1 for Au, only sampling every second 1.5 m. As part of this study, the section of core yielding highest Cu values from 90.9 m to 114.75 m (23.85 m) was sampled at 1-metre intervals for Au, Cu, Pb, Zn and Ag, averaging 0.14% Cu, 0.0006% Pb, 0.0211% Zn, <2 ppm Ag and 0.0144 ppm Au. The assay results are included as Appendix 1. HFZ-2, collared at 7050N/1045E and drilled toward 267° at -40°, intersected only minor sulphides and was not assayed (Wells, 1973).

In 1986, as part of the Henty Prospect drilling program testing the extent of gold-mineralised rocks in the Henty Fault Zone, HP-10 was drilled beneath the same IP anomaly which prompted HFZ-1, to test a possibly deeper gold-bearing pyritic zone (Cartwright, 1987). Results were discouraging, with the best intersection from 286.0 to 290.4 m containing 0.433% Cu and 0.027 ppm Au, thus reducing the inferred potential of the northern extent of the Henty Fault Zone mineralization.

Faulted contacts are represented in HP-10 at 101.2 m between the feldspar-phyric volcanics and the altered schistose silt and sandstone, and at 323.2 between the altered schistose silt and sandstone and the rhyolite porphyry lava (Cartwright, 1987). Using the inferred position of these contacts on the surface from detailed mapping (Fig. geolinterp), a westerly dip of 64° for the contact between the altered schistose silt and sandstone and the feldspar-phyric volcanics was calculated. Similarly a westerly dip of 67° for the contact between the altered schistose silt and sandstone and the rhyolite porphyry lava, the Henty Fault, was determined.

Limited geochemical studies have been conducted in the area, concentrating mainly on bedrock geochemistry over the old working at 6075N/8107E. Results from the 1986/86 surveys, where bedrock over the lines of HFZ-1 and -2 was analysed for Cu, Pb, Zn, Au, Ag, As and Bi is shown in Plans 2 and 3, along with the geophysical profiles. High Cu concentrations and higher than background Au values over the old working along line 63N are the only anomalous values in this survey.

### **3. PROSPECT GEOLOGY**

#### **3.1 INTRODUCTION**

Detailed 1:2 500 scale mapping of the Moxon Saddle grid and surrounding area (Plan 1) revealed a simple geology comprising four distinct units. Tyndall Group porphyritic rhyolite lava dominating the centre of the area is fault-bound by Central Volcanic Complex (CVC) feldspar-phyric lava to the east, and schistose siltstone and sandstone in the Henty Fault Zone to the west. Relatively unaltered CVC feldspar-phyric lava and ashy volcanoclastic rocks dominate the area west of the grid.

## 3.2 TYNDALL GROUP

### 3.2.1 Quartz- and Feldspar-Phyric Rhyolite Lava [etf]

Quartz- and feldspar-phyric rhyolite lava is exposed in the centre of the area, fault-bounded to the east by feldspar-phyric lava and to the west by schistose silt and sandstone. Centimetre-scale flow banding and minor epiclastic beds within the unit indicate an extrusive nature.

Exposure is moderate, with large, pink, rounded boulders of massive lava, and vertical, tabular ('tombstone') outcrops of the pale green, foliated, moderately sericitised and chloritised lava. Thin, 1 to 2 cm thick, 0.5 to 3 m long veins of epitaxial and bucky quartz veins are common and are often associated with iron-rich sericite veins.

Fresh hand specimens are grey to pink, with 0.5 to 4 mm clear, euhedral quartz phenocrysts (18%), feldspar laths (25%), minor biotite (< 5%) and rare, 3 to 6 mm cubic pyrite moulds (< 1%) in a glassy, silicic groundmass. Altered rocks are pale green to white, comprising 10 to 30% sericitisation and 5 to 25% chloritisation, with alteration decreasing away from the faulted contacts.

Almost total (95%) chloritisation of the groundmass, and total replacement of feldspar laths to white clay characterise the strongly foliated, rarely exposed western contact with the schistose silt and sandstone. In HP-10, from 323.1 to 333.5, this contact is marked by a crush zone of clayey, sericitic, fuchsitic breccia rocks. Interpolation between the contact in the drillhole and the inferred contact on the ground indicates a westerly dip to the Henty Fault in the area of 67°. Intense iron-oxide staining, sericitisation and chloritisation of the rhyolite porphyry lava marks the eastern faulted boundary with the feldspar-phyric dacite lava, which is strongly foliated and about 30 m wide.

Miners who worked an old shaft at 6075N/8107E have exploited sulphide clusters associated with cm-scale quartz veins in rhyolite porphyry lava. A sample selected from the mullock heap of this old working yielded 0.295 ppm Au and 0.4% Cu (sample No. T44923).

### 3.2.2 Quartz-Feldspar-Lava Epiclastic [ett]

Several rounded, grainy outcrops of quartz-feldspar-lava epiclastic rock are exposed within the rhyolite porphyry lava unit. No contacts are exposed, and separate outcrops cannot be correlated.

Angular, poorly sorted lava, quartz and feldspar grains packed in a chloritic matrix characterise the rock. Two outcrops near the eastern contact with the feldspar-phyric lava contain 35% magnetite replacing the chloritic matrix. Near the western end of line 6300N, disseminated pyrite, chalcopyrite and malachite comprise about 2% of a similarly magnetised outcrop.

### 3.3 CENTRAL VOLCANIC COMPLEX

#### 3.3.1 Feldspar-Phyric Dacite Lava [ecvI]

Dominating the eastern half of the grid and extending north throughout the mapped area, feldspar-phyric lava flows are fault-bound to the west by the rhyolitic porphyry lava, and extend east to the edge of the map sheet. Associated epiclastic units within the unit, and flow-top brecciation highlighted on weathered surfaces indicate extrusive emplacement.

Moderately exposed, the feldspar-phyric lava generally forms sharp, tabular outcrops where the rock has been foliated, and less commonly small, angular outcrops of massive, relatively fresh lava. Fine, silicic veins define flow-top breccia clasts on weathered surfaces. Large, metre-scale bucky quartz veins are common, as are smaller, centimetre-scale iron-rich sericite and epitaxial quartz veins.

Feldspar laths (25%) ranging in size from less than 0.5 mm to 3 mm and minor 1 mm clear quartz phenocrysts (< 1 to 3%) in a pink to grey silicic groundmass characterise the feldspar-phyric dacite lava in fresh handspecimen. Sericitisation of weakly foliated rocks reaches 40%, but is commonly 15%, with almost total sericitisation and chloritisation of the highly foliated rocks at the faulted contact with the rhyolite porphyry lava. This contact zone is 30 to 40 m wide, with elongated and rolled feldspar grains in a chloritic and sericitic foliation.

The only indication of mineralisation in this unit is coarse (3 to 6 mm) euhedral magnetite grains in bucky quartz veins at 6700N/1435E.

#### 3.3.2 Feldspar Epiclastic [ecvt]

Associated with feldspar-phyric dacite lava outcrops, but nonetheless rare in the mapped area, the reworked feldspar lava epiclastic contains feldspar (45%) and lava (30%) clasts in a chloritic matrix and is distinguished by graded beds repeated on a metre scale.

Grainsize ranges from medium (2 to 4 mm) at the base, to 2 to 5 cm thick silt-sized bands at the top of each graded bed. These are often folded on a centimetre scale, and vergence of cleavage to bedding at 7300N/525E indicates a syncline to the west, with younging directions for all graded beds towards the west.

#### 3.3.3 Altered Schistose Silt and Sandstone [ecvs]

Exposed best in the road running north along the western extent of the grid, schistose sericitic, chloritic interbedded silt and sandstone marks a high-strain zone between the Henty Fault - the faulted contact between the rhyolite porphyry lava and the schistose silt and sandstone - and the faulted contact between schistose silt and

sandstone and feldspar-phyric volcanics to the west. In HP-10, between 100.8 and 101.2 m is a highly sheared sericitic zone representing this faulted contact with feldspar-phyric volcanics (Cartwright, 1987). Interpolation between this intersection and the inferred contact on the ground gives a westerly dip of the contact of about 64°. Extending parallel to these faults throughout the area, the unit is up to 87 m wide. Millimetre-scale trough cross-bedding in preserved (unstrained) pods of the siltstone indicate sedimentary deposition of this unit, probably as turbiditic flows. Interbeds of silt- and sand-sized material trend N and dip steeply west.

Outcrop has low relief with weathering along the foliation producing a loose, friable rock. Centimetre-scale quartz veins are common, with rare associated sulphide. Interbedding of sericitic and chloritic silt with sub-angular, well-sorted 0.05 to 1 mm quartz (20%), feldspar (35%), chlorite (20%) and mica (5%) grains in a chloritic and sericitic matrix characterise this unit.

A strong foliation trending NNW to N and dipping steeply toward the west is oblique to the NNW trend of the Henty Fault, and increases in intensity towards it. Throughout the unit, small, 4 cm x 1 mm patches of disseminated sulphide parallel this foliation.

At 6675N/0825E, an old working intersects a zone of massive pyrite and chalcopyrite clusters associated with cm-scale quartz veins in the schistose silt and sandstone. As discussed in section 2.1, DDH HFZ-1, drilled in 1973, tested this mineral deposit, yielding 16.5 m at 0.6% Cu and 0.0144 ppm Au.

### 3.3.4 Feldspar-Phyric Volcanics [ecv]

Feldspar-phyric volcanic rocks extend north throughout the mapping area, to the western limit of mapping, and are fault-bounded to the east by schistose silt and sandstone.

Best exposed in cuttings along the HEC powerline road to the west of the mapped area, and in the western fork of the road running parallel to the western edge of the grid, it forms competent, blocky outcrop. Weathered, kaolinised surfaces of fresh rock are white compared to yellow-orange surfaces on altered rock. Regularly spaced, centimetre-scale quartz veins parallel to a spaced cleavage in rocks close to the eastern contact dip 79° towards 274°.

One to three mm altered feldspar laths (25%) in a moderately chloritised groundmass characterise this unit. Variations include intense sericitisation and chloritisation of the rocks closest to the contact with the altered schistose silt and sandstone, and finer grained, silty beds 3 to 7 cm thick within the unit. Iron-oxide staining is intense in a sheared section of the lava in the western fork road at about 7300N, and patchy in other areas along this road.

Contact with the schistose silt and sandstone to the east is not exposed on the ground, however in HP-10 it is represented as a 4 metre-wide sheared zone (Cartwright, 1987). There is no strong, pervasive fabric near the contact, however, a sinistral wrench zone exposed in the western fork road at about 7280N suggests some involvement of these rocks with the movement of the main fault (the Henty Fault).

### **3.3.5 Chloritic Ashy Volcaniclastic [ecv]**

Interlayered with the feldspar-phyric volcanics and exposed in the HEC road cuttings in the west of the mapped area are 1 to 12 m thick beds of chloritic ashy volcaniclastic rock. Weak light and dark green laminations, and suggested graded bedding of chloritised and sericitised (60%), silt-sized particles characterise this rock.

## **3.4 INTRUSIVE ROCKS**

### **3.4.1 Dolerite [eg]**

Also exposed in the HEC road cuttings, fresh dolerite intrudes the feldspar-phyric volcanics. Rounded outcrop boulders have a 2 to 3 mm weathering skin, surrounding fresh, fine albite (20%) and amphibole (25%) in a fine, grey, glassy matrix. Chilled margins on both country-rock contacts indicate an intrusive nature.

### **3.4.2 Gabbro [eg]**

Two small, rounded outcrops of gabbro exposed in the road running west at about 6600N/0800E contain 1 to 3 mm interlocking feldspar (30%) hornblende (25%) and chlorite (45%) grains. Its limited distribution and unusual siting suggest it is an autochthonous block carried by movement along the Henty Fault.

## **3.5 QUARTZ FELDSPAR SANDSTONE [eOon]**

Sparsely exposed in the extreme northeastern corner of the grid is the medium to coarse (1 to 4 mm) quartz (30%) feldspar (40%) sandstone. Grains are sub-angular and poorly sorted in a grey silty matrix. Angular, poorly sorted grains suggest glacial deposition.

## **3.6 SUMMARY**

Overall the geology of the Moxon Saddle area is not complex. Tyndall Group quartz- and feldspar-phyric rhyolite lava is fault-bounded by CVC feldspar-phyric dacite lava to the east, and schistose silt and sandstone to the west. A few epiclastic units are exposed within the rhyolite lava, although they do not provide any bedding information. The CVC interbedded silt and sandstone has been intensely altered and foliated by movement along the Henty Fault (the contact between the silt and sandstone and the rhyolite porphyry lava), and a parallel fault to the west bounding it and the feldspar-phyric volcanics, also belonging to the Central Volcanic Complex.

Chalcopyrite associated with quartz-carbonate veins exposed near an old working in the schistose silt and sandstone, sulphide in quartz-veins in rock from a mullock heap within the quartz- and feldspar-phyric

rhyolite lava, and malachite in quartz-feldspar-lava epiclastic within the rhyolite porphyry unit indicate mineralisation has occurred in the area. Of these, the working in the schistose silt and sandstone is the most promising, with good geophysical and geochemical anomalies associated with it. These have already been tested thoroughly, as outlined in the previous section.

Immediately south of the Moxon Saddle area, the Gooseneck Hill represents a south-plunging syncline with Ordovician Owen Conglomerate in the core, conformably overlying the quartz-feldspar rhyolite porphyry at Moxon Saddle, with a thin epiclastic bed between the two (McNeill, 1987). Elsewhere in the Mt. Read Volcanic belt, quartz-feldspar porphyry similar to that at Moxon Saddle is underlain by volcanoclastic and epiclastic rocks which form the base of the Tyndall Group (McNeill, 1987; Corbett, 1986). These rocks are host to the Henty Gold Deposit, and are currently the main focus of exploration by RGC. If the quartz-feldspar rhyolite porphyry lava at Moxon Saddle is folded in a south-plunging syncline, as indicated by the syncline in the conformable overlying Ordovician sediments, the base of the Tyndall Group may also be folded up against the Henty Fault at depth. This represents a favourable explanation for the IP anomalies adjacent to the Henty Fault in the north of the Moxon Saddle area, with the mineral deposits in the schistose silt and sandstone in the Henty Fault zone being derived from a deeper, larger source by reverse movement on the fault.

## 4. GEOCHEMISTRY

### 4.1 INTRODUCTION

Twenty-four rock-chip samples collected during mapping and 38 C-horizon soil samples taken from parts of lines 7300N to 7900N were analysed by ANALABS in Cooebe for Cu, Pb, Zn and Ag by perchloride acid digest-AAS, Bi and As by perchloride acid digest-hydride generation AAS and Au by fire assay fusion AAS. Full results and a sample location plan are included as Appendix 2 and Plan 2 respectively.

### 4.2 RESULTS

#### 4.2.1 Rock Chip Geochemistry

Sample T44904, along strike from an old working at 6690N/0825E, yielded 2% Cu, insignificant Pb and Zn, 21 ppm Ag and 0.136 ppm Au. Sulphide is associated with quartz-carbonate veins comprising about 6% of the sample, and is similar in style to that found in mineralised sections of HFZ-1 (targeted at a coincident geochemical and geophysical anomaly over the old working). These elevated metal concentrations suggest sulphide deposition elsewhere in the altered schistose silt and sandstone could also have had an associated high Cu content.

Magnetite-rich quartz-feldspar-lava epiclastic (T44911) near the faulted contact between the feldspar-phyric dacite lava and the quartz- and feldspar-phyric rhyolite lava has an elevated Zn concentration (1089 ppm) but no other significant base-metal content.

A gold concentration of 0.295 ppm and a Cu concentration of 0.4% in a sample (No. T44923) from the mullock heap of an old working along strike from malachite- and magnetite-rich quartz-feldspar-lava epiclastic within the quartz- and feldspar-phyric rhyolite porphyry at 6080N/1110E indicate localised mineralisation of the unit. Sulphide in this sample is associated with stringy, milky quartz veins. The epiclastic unit (sample No. T44924) has lower Cu (0.1%) and no detectable Au (<0.008).

#### 4.2.2 Soil Geochemistry

Soils were sampled from the C-horizon over IP anomalies and the faulted contact between the altered schistose silt and sandstone and the quartz- and feldspar-phyric rhyolite lava along lines 7900N to 7300N to test for any anomalous base and precious metal values coincident with the IP anomalies and the fault. Samples were taken at 25 m intervals from 1325E to 1500E on line 7900N, from 1300E to 1525E on line 7700N, from 1175E to 1375E on line 7500N, and from 1075E to 1225E and 1325E to 1475E on line 7300N. Background values for Cu, Pb and Zn are 5, 10 and 17 ppm respectively.

A Pb peak of 51 ppm at 1375E and a Zn peak of 56 ppm at 1350E along line 7900N in altered schistose silt and sandstone are 25 and 50 m respectively to the west of the fault and the edge of the IP anomaly. On line 7700N, Zn and Cu peak at 67 and 33 ppm respectively at 1300E, 20 m west of the fault and the edge of the IP anomaly on that line. Pb peaks at 94 ppm at 1350E, roughly over the fault and edge of the IP anomaly.

Line 7500N has a small Cu peak (36 ppm) and a large Zn peak (158 ppm) at 1200E, 35 m west of the fault in the altered schistose silt and sandstone. Increasing from 125 ppm at 1225E, to 462 ppm at 1300E and then dropping to 10 ppm at 1325E, the highest Pb soil concentration is 65 m east of the fault, in quartz- and feldspar-phyric rhyolite lava, and is above the edge of the IP anomaly in that line.

Two areas were tested along line 7300N: the faulted contact between the altered schistose silt and sandstone and the quartz- and feldspar-phyric rhyolite lava, not associated with any geophysical anomaly, and the faulted contact, with a corresponding IP anomaly, between the quartz- and feldspar-phyric rhyolite lava and the feldspar-phyric dacite lava to the east. Coincident Cu, Pb and Zn peaks of 90, 293 and 216 ppm respectively at 1125E are 37m west of the fault, in the altered schistose silt and sandstone. Soil samples over the fault and IP anomaly from 1325E to 1475E did not have any anomalous values.

#### 4.3 SUMMARY

High copper concentration in a rock chip sample taken along strike from an old working in the schistose silt and sandstone promises elevated metal concentrations in other mineralised zones within this unit, however there are no elevated Pb, Zn or Au concentrations. Magnetite-rich epiclastic units within the quartz- and feldspar-phyric rhyolite lava unit have only moderately anomalous Zn concentrations and the highest Au concentration in sample No. T44923 (0.295 ppm), from a mullock heap sample within the quartz- and feldspar-phyric rhyolite lava.

Overall the results of the soil sampling program are encouraging. Anomalous Cu concentrations are generally low, usually 30 ppm and as high as 90 ppm, and are not present near the IP anomaly on line 7900N: the largest IP anomaly. Given the high Cu content in the rock from the old working in the schistose silt and sandstone of 2% Cu (T44904), larger Cu anomalies would be expected from a similar style of mineralisation. Pb and Zn concentrations are highest near the fault between the altered schistose silt and sandstone and the quartz- and feldspar-phyric rhyolite porphyry along lines 7300N and 7500N. Towards the northern lines (7700N and 7900N) anomalous concentrations are present in the soil but they are not large. A close association of these soil anomalies with an IP anomaly adjacent to the Henty Fault (see next section) suggests a deep source may be responsible for the relatively low, but anomalous Cu, Pb and Zn content of the soil.

## 5. GEOPHYSICS

BHP Utah Minerals International conducted a dipole-dipole Induced Polarisation (IP) survey over the grid in 1990, revealing four anomalous zones within 1 to 2 dipoles (50 m dipole spacing) beneath the surface along the northern four lines, which can be separated into two main anomalies. Figures 2 to 5 show the chargeability and resistivity pseudo-sections for lines 7900N, 7700N, 7500N and 7300N respectively.

From 1375E to 1475E along line 7900N and 1325E to 1400E along line 7700N are large chargeability anomalies from about one dipole (50m) beneath the surface, with an asymmetry consistent with a body dipping steeply toward the west. Both these anomalies are immediately east of the Henty Fault. Along line 7500N, from 1300E to 1350E, a large anomaly also from about 1 dipole below the surface is 30 m east of the Henty Fault, with an asymmetry consistent with a body dipping moderately toward the west. A zone at least 400m long, adjacent to the Henty Fault above quartz-feldspar rhyolite porphyry lava, is thus the most continuous anomaly in the Moxon Saddle area, and the most prospective.

An IP anomaly straddling the eastern fault boundary between the rhyolite porphyry and the feldspar-phyric dacite lava has a symmetry consistent with a vertical body, in this case most likely some feature within the fault. Given the lack of any soil geochemical anomalies over this IP anomaly, and the low prospectivity of the fault elsewhere in the area (no anomalous rock-chip samples) it is most likely the IP anomaly is caused by factors other than disseminated sulphides such as ground water in the fault.

## 6. CONCLUSIONS AND RECOMMENDATIONS

A unit with sites of known Cu mineralisation reaching concentrations of 2%: the altered schistose silt and sandstone, extends north along the western edge of the Henty Fault, forming a contact with quartz- and feldspar-phyric rhyolite lava. Along this boundary, on the northern three lines of the Moxon Saddle grid is a large chargeability anomaly with associated Pb and Zn soil geochemical anomalies. The position of these anomalies near a zone of known mineralisation make them ideal targets for base-metal exploration. Furthermore, the possibility that a highly prospective horizon: the base of the Tyndall Group, has been folded up against the Henty Fault at depth and is thus the source of the IP anomaly, makes Moxon Saddle an extremely exciting prospect.

The next step in exploration at Moxon Saddle should include a 350 m diamond drillhole testing the coincident IP and geochemical anomalies on line 7700N, i.e. in the middle of the main IP anomaly. A 350 m hole drilled at -55° toward 106° AMG should intersect the Henty Fault 290 m down the hole, about 250 m below the surface, accounting for a rise in the dip of the hole of 8°, and drift of the azimuth of 6° south, as did HP-10, which was drilled through similar ground at a similar azimuth (Cartwright, 1987).

As the area is within the Southwest Conservation Area, and most of the area to the west of the Henty Fault is covered by King Billy Pine forest, environmental concerns are very important. The site chosen has already been cleared of large trees, and will require some clearing of low scrub to allow helicopter support.

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806183

Moxon Saddle Review

Appendix 1

HFZ-1 ASSAY RESULTS

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: DRILL HOLES

Page: 1  
 06 May 94

| Sample | project name | sampler(s) | date collected | hole number | sample kind | depth from | depth to | ANALAB Au ppm EG309 | ANALAB Pb ppm GA140 | ANALAB Zn ppm GA140 | ANALAB Ag ppm GA101 | ANALAB Cu ppm GA140 |
|--------|--------------|------------|----------------|-------------|-------------|------------|----------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 37201  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 90.90      | 91.90    | -0.008              | 5.000               | 264.000             | -2.000              | 1122.000            |
| 37202  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 91.90      | 92.90    | -0.008              | -5.000              | 200.000             | -2.000              | 20.000              |
| 37203  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 92.90      | 93.90    | -0.008              | -5.000              | 214.000             | -2.000              | 69.000              |
| 37204  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 93.90      | 94.90    | -0.008              | -5.000              | 219.000             | -2.000              | 153.000             |
| 37205  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 94.90      | 95.90    | 0.025               | -5.000              | 159.000             | -2.000              | 2830.000            |
| 37206  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 95.90      | 96.90    | 0.008               | -5.000              | 284.000             | -2.000              | 38.000              |
| 37207  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 96.90      | 97.90    | 0.013               | -5.000              | 169.000             | -2.000              | 6332.000            |
| 37208  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 97.90      | 98.90    | -0.008              | -5.000              | 229.000             | -2.000              | 15.000              |
| 37209  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 99.90      | 100.90   | -0.008              | -5.000              | 223.000             | -2.000              | 222.000             |
| 37210  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 100.90     | 101.90   | 0.032               | 37.000              | 207.000             | -2.000              | 3740.000            |
| 37211  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 101.90     | 103.90   | 0.044               | 40.000              | 208.000             | -2.000              | 1225.000            |
| 37212  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 103.90     | 104.90   | -0.008              | -5.000              | 257.000             | -2.000              | 7.000               |
| 37213  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 104.90     | 107.05   | 0.014               | -5.000              | 250.000             | -2.000              | 29.000              |
| 37214  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 107.05     | 108.05   | 0.009               | -5.000              | 216.000             | -2.000              | 935.000             |
| 37215  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 108.05     | 109.09   | 0.008               | -5.000              | 190.000             | -2.000              | 355.000             |
| 37216  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 109.09     | 110.09   | 0.022               | 5.000               | 180.000             | -2.000              | 1215.000            |
| 37217  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 110.09     | 111.09   | -0.008              | -5.000              | 206.000             | -2.000              | 89.000              |
| 37218  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 111.09     | 112.10   | 0.074               | -5.000              | 175.000             | 3.000               | 9022.000            |
| 37219  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 112.10     | 113.10   | -0.008              | -5.000              | 182.000             | -2.000              | 1023.000            |
| 37220  | MOXON        | DB         | 11/03/94       | HFZ1        | DC          | 113.10     | 114.75   | -0.008              | -5.000              | 190.000             | -2.000              | 4.000               |

Laboratory:  
 Detection Limit:  
 Method:

|        |        |        |        |
|--------|--------|--------|--------|
| ANALAB | ANALAB | ANALAB | ANALAB |
| 0.000  | 0.000  | 2.000  | 0.000  |
| GA140  | GA140  | GA101  | GA140  |

806135

**Moxon Saddle Review**

**Appendix 2**

**ROCK CHIP AND SOIL GEOCHEMISTRY RESULTS**

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: TASMANIA

| Sample | TNorth                                          | TEast     | Project Name | Project code | Sampler(s) | Date collected | Grid northing | Grid easting | Sample kind | From depth | To depth | Soil composition | Soil colour | Slope amt/direction | Rock type | Alteration /weatherin | Ore minerals |
|--------|-------------------------------------------------|-----------|--------------|--------------|------------|----------------|---------------|--------------|-------------|------------|----------|------------------|-------------|---------------------|-----------|-----------------------|--------------|
| 44917  | 5,366,905.4                                     | 381,336.1 | MOXDON       | 5532         | DB         | 08/04/94       |               |              | RC          |            |          |                  |             |                     | EQFM      |                       | MG           |
|        | q-f po<br>Remarks: V. MAGNETIC, METALLIC LOOK   |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44918  | 5,366,692.5                                     | 381,323.0 | MOXDON       | 5532         | DB         | 11/04/94       |               |              | RC          |            |          |                  |             |                     | LDF       | FE CL                 |              |
| 44919  | 5,366,700.6                                     | 381,434.8 | MOXDON       | 5532         | DB         | 11/04/94       |               |              | RC          |            |          |                  |             |                     | LDF       |                       | MG           |
| 44920  | 5,366,750.8                                     | 381,874.7 | MOXDON       | 5532         | DB         | 11/04/94       |               |              | RC          |            |          |                  |             |                     | LDF       | FE MS                 |              |
| 44921  | 5,366,525.1                                     | 381,164.7 | MOXDON       | 5532         | DB         | 12/04/94       |               |              | RC          |            |          |                  |             |                     | LRQF      |                       | LI           |
| 44922  | 5,365,831.3                                     | 381,481.5 | MOXDON       | 5532         | DB         | 14/04/94       |               |              | RC          |            |          |                  |             |                     | LDF       | FE9                   |              |
|        | Remarks: from fault zone @ contact q1/qfro      |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44923  | 5,366,079.0                                     | 381,108.9 | MOXDON       | 5532         | DB         | 14/04/94       |               |              | RC          |            |          |                  |             |                     | LRQF      | FE5S15                | PV CP        |
|        | Remarks: from mullock heap of old working       |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44924  | 5,366,286.6                                     | 381,084.4 | MOXDON       | 5532         | DB         | 14/04/94       |               |              | RC          |            |          |                  |             |                     | EQFM      | CL5                   | CPPYMC       |
|        | Remarks: along strike from old working to south |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44925  | 5,367,340.4                                     | 381,175.2 | MOXDON       | 5532         | DB         | 22/04/94       |               |              | RC          |            |          |                  |             |                     | SCHS      | MS9CL9                |              |
|        | Remarks: on fault / 7400m                       |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44926  | 5,367,899.1                                     | 381,325.2 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 325.00       | SA          | 0.10       |          | 9A               |             | 10WEST              |           |                       |              |
| 44927  | 5,367,901.8                                     | 381,350.1 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 350.00       | SA          | 0.25       |          | 4Y               |             | 5 EAST              |           |                       |              |
| 44928  | 5,367,900.3                                     | 381,374.9 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 375.00       | SA          | 0.15       |          | 9W               |             | 7 WEST              |           |                       |              |
| 44929  | 5,367,900.5                                     | 381,397.0 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 400.00       | SA          | 0.25       |          | 9U               |             | 5NORTH              |           |                       |              |
| 44930  | 5,367,900.6                                     | 381,425.5 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 425.00       | SA          | 0.15       |          | 8W               |             | 7 SW                |           |                       |              |
| 44931  | 5,367,901.4                                     | 381,451.1 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 450.00       | SA          | 0.20       |          | 8W               |             | 7 WEST              |           |                       |              |
| 44932  | 5,367,899.6                                     | 381,475.6 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 475.00       | SA          | 0.20       |          | 7U               |             | 10WEST              |           |                       |              |
|        | Remarks: - pale green fai rock chips            |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44933  | 5,367,900.9                                     | 381,500.9 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7900.00       | 500.00       | SA          | 0.30       |          | 8W               |             | 45WEST              |           |                       |              |
|        | Remarks: qfdl float                             |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44934  | 5,367,711.7                                     | 381,419.3 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 425.00       | SA          | 0.50       |          | 7U               |             | 70WEST              |           |                       |              |
|        | Remarks: steep slope - c?                       |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44935  | 5,367,700.7                                     | 381,393.7 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 400.00       | SA          | 0.20       | 0.70     | 7U               |             | 65 NW               |           |                       |              |
| 44936  | 5,367,706.7                                     | 381,371.2 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 375.00       | SA          | 0.45       | 0.70     | 8A               |             | 40 NW               |           |                       |              |
| 44937  | 5,367,710.1                                     | 381,347.2 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 350.00       | SA          | 0.20       | 0.90     | 8W               |             | 50NORT              |           |                       |              |
| 44938  | 5,367,714.8                                     | 381,327.4 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 325.00       | SA          | 0.10       | 0.30     | 8W               |             | 40WEST              |           |                       |              |
|        | Remarks: near creek                             |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44939  | 5,367,717.0                                     | 381,301.9 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 350.00       | SA          | 0.30       | 1.45     | 3L               |             | 45 ESE              |           |                       |              |
| 44940  | 5,367,707.4                                     | 381,275.8 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7700.00       | 275.00       | SA          | 0.30       | 1.40     | 3L               |             | 70EAST              |           |                       |              |
| 44941  | 5,367,495.3                                     | 381,200.9 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 200.00       | SA          | 0.10       | 1.20     | 3Y               |             | 20SOUT              |           |                       |              |
| 44942  | 5,367,496.5                                     | 381,226.5 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 225.00       | SA          | 0.10       | 0.45     | 8A               |             | 6 WEST              |           |                       |              |
|        | Remarks: C-horizon qfdl                         |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                       |              |
| 44943  | 5,367,496.7                                     | 381,251.1 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 250.00       | SA          | 0.05       | 0.45     | 8A               |             | 35WEST              |           |                       |              |
| 44944  | 5,367,496.3                                     | 381,276.7 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 275.00       | SA          | 0.10       | 0.45     | 8A               |             | 40WEST              |           |                       |              |
| 44945  | 5,367,496.0                                     | 381,303.7 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 300.00       | SA          | 0.20       | 1.30     | 8W               |             | 40WEST              |           |                       |              |
| 44946  | 5,367,496.5                                     | 381,327.0 | MOXDON       | 5532         | DB/MA      | 04/05/94       | 7500.00       | 325.00       | SA          | 0.05       | 0.20     | 8W               |             | 2 WEST              |           |                       |              |

Laboratory:  
 Detection Limit:  
 Method:

806187

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: TASMANIA

| Sample | TNorth                                                          | TEast     | Project Name | Project code | Sampler(s) | Date collected | Grid northing | Grid easting | Sample kind | From depth | To depth | Soil composition | Soil colour | Slope amt/direction | Rock type | Alteration Ore /weathering minerals |
|--------|-----------------------------------------------------------------|-----------|--------------|--------------|------------|----------------|---------------|--------------|-------------|------------|----------|------------------|-------------|---------------------|-----------|-------------------------------------|
| 44947  | 5,367,496.2                                                     | 381,350.8 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7500.00       | 350.00       | SA          | 0.05       | 0.20     |                  | 5U          | 2 NW                |           |                                     |
| 44948  | 5,367,495.8                                                     | 381,376.7 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7500.00       | 375.00       | SA          | 0.10       | 0.30     |                  | 5U          | 15 NW               |           |                                     |
| 44949  | 5,367,496.2                                                     | 381,178.4 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7500.00       | 175.00       | SA          | 0.30       | 1.20     |                  | 3L          | 50 STH              |           |                                     |
| 44950  | 5,367,296.1                                                     | 381,099.3 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 100.00       | SA          | 0.25       | 0.32     |                  | 8A          | 0                   |           |                                     |
| 44951  | 5,367,296.6                                                     | 381,124.5 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 125.00       | SA          | 0.45       | 1.00     |                  | 8W          | 15NTH               |           |                                     |
|        | Remarks: green, chloritic? Ssc(s) possibly Br chloritic qfdl v? |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                                     |
| 44952  | 5,367,298.6                                                     | 381,149.6 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 150.00       | SA          | 0.10       | 0.25     |                  | 8U          |                     |           |                                     |
|        | Remarks: possibly B/C                                           |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                                     |
| 44953  | 5,367,296.7                                                     | 381,176.1 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 175.00       | SA          | 0.35       | 0.90     |                  | 8W          | 65 NW               |           |                                     |
| 44954  | 5,367,297.8                                                     | 381,199.2 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 200.00       | SA          | 0.15       | 0.30     |                  | 8W          | 70WEST              |           |                                     |
| 44955  | 5,367,298.2                                                     | 381,224.2 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 225.00       | SA          | 0.15       | 0.55     |                  | 8W          | 80 NE               |           |                                     |
| 44956  | 5,367,297.8                                                     | 381,352.2 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 325.00       | SA          | 0.10       | 0.25     |                  | 8W          | 10 SW               |           |                                     |
| 44957  | 5,367,297.5                                                     | 381,376.5 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 375.00       | SA          | 0.20       | 0.25     |                  | 8W          | 2 EAST              |           |                                     |
| 44958  | 5,367,300.9                                                     | 381,401.5 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 400.00       | SA          | 0.30       | 0.40     |                  | 8W          | 7 STH               |           |                                     |
|        | Remarks: B/C HORIZON                                            |           |              |              |            |                |               |              |             |            |          |                  |             |                     |           |                                     |
| 44959  | 5,367,298.2                                                     | 381,425.4 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 425.00       | SA          | 0.20       | 0.30     |                  | 8A          | 10STH               |           |                                     |
| 44960  | 5,367,298.2                                                     | 381,450.5 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 455.00       | SA          | 0.15       | 0.30     |                  | 8W          | 2 SW                |           |                                     |
| 44961  | 5,367,299.6                                                     | 381,474.6 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 475.00       | SA          | 0.25       | 0.35     |                  | 8U          | 2 SW                |           |                                     |
| 44962  | 5,367,297.1                                                     | 381,326.7 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 425.00       | SA          | 0.15       | 0.35     |                  | 8W          | 25WEST              |           |                                     |
| 44963  | 5,367,297.4                                                     | 381,075.3 | MOXDN        | 5532         | DB/MA      | 04/05/94       | 7300.00       | 75.00        | SA          | 0.25       | 1.00     |                  | 8A          | 5WEST               |           |                                     |

Laboratory:  
 Detection Limit:  
 Method:

806188

RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: TASMANIA

Page: 1  
 27 June 94

| Sample | True easting | True northing | Au ppm<br>ANALAB 309 | Au(r) ppm<br>ANALAB GG3 | Au(s) ppm<br>ANALAB EG3 | Cu ppm<br>ANALAB<br>GA140 | ANALAB<br>Cu_2 ppm<br>GA10 | Pb ppm<br>ANALAB<br>GA140 | Zn ppm<br>ANALAB<br>GA140 | Ag ppm<br>ANALAB<br>GA140 | Bi ppm<br>ANALAB 101<br>ANALAB<br>GA140 | As ppm<br>ANALAB<br>GA140 |
|--------|--------------|---------------|----------------------|-------------------------|-------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-----------------------------------------|---------------------------|
| 44902  | 380632.91    | 5366189.33    | -0.008               |                         |                         | 118.000                   |                            | 61.000                    | 341.000                   | -2.000                    | -1.000                                  | 20.000                    |
| 44903  | 380724.14    | 5366202.78    | -0.008               |                         |                         | 43.000                    |                            | -5.000                    | 263.000                   | -2.000                    | 5.000                                   | 4.000                     |
| 44904  | 380828.45    | 5366687.64    | 0.135                |                         |                         |                           | 20000.000                  | -5.000                    | 198.000                   | 21.000                    | 3.000                                   | 10.000                    |
| 44905  | 380804.78    | 5366688.77    | 0.011                |                         |                         | 167.000                   |                            | -5.000                    | 112.000                   | -2.000                    | -1.000                                  | 22.000                    |
| 44906  | 380937.61    | 5366824.61    | -0.008               |                         | -0.008                  | 27.000                    |                            | -5.000                    | 19.000                    | -2.000                    | -1.000                                  | 2.000                     |
| 44907  | 380991.79    | 5366933.88    | 0.023                |                         |                         | 461.000                   |                            | 28.000                    | 128.000                   | -2.000                    | -1.000                                  | 32.000                    |
| 44908  | 381093.33    | 5367194.73    | 0.016                |                         |                         | 76.000                    |                            | 26.000                    | 226.000                   | -2.000                    | 1.000                                   | 3.000                     |
| 44909  | 380992.26    | 5366964.92    | 0.025                |                         |                         | 407.000                   |                            | 47.000                    | 366.000                   | -2.000                    | -1.000                                  | 25.000                    |
| 44910  | 381007.61    | 5367139.30    | -0.008               |                         |                         | 11.000                    |                            | -5.000                    | 37.000                    | -2.000                    | -1.000                                  | 2.000                     |
| 44911  | 381020.20    | 5367282.98    | -0.008               |                         |                         | 31.000                    |                            | 245.000                   | 1089.000                  | -2.000                    | -1.000                                  | 84.000                    |
| 44912  | 381018.06    | 5367299.97    | -0.008               |                         |                         | -4.000                    |                            | 8.000                     | 145.000                   | -2.000                    | -1.000                                  | 8.000                     |
| 44913  | 381175.47    | 5367694.87    | -0.008               | -0.008                  |                         | 7.000                     |                            | -5.000                    | 75.000                    | -2.000                    | -1.000                                  | 4.000                     |
| 44914  | 381106.99    | 5367502.77    | -0.008               |                         |                         | 7.000                     |                            | -5.000                    | 82.000                    | -2.000                    | -1.000                                  | 24.000                    |
| 44915  | 381341.86    | 5367293.77    | -0.008               |                         |                         | 33.000                    |                            | 8.000                     | 142.000                   | -2.000                    | -1.000                                  | 2.000                     |
| 44916  | 381319.60    | 5367299.73    | -0.008               |                         |                         | 10.000                    |                            | -5.000                    | 70.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44917  | 381336.13    | 5366905.49    | -0.008               |                         |                         | 8.000                     |                            | 56.000                    | 985.000                   | -2.000                    | -1.000                                  | 2.000                     |
| 44918  | 381323.09    | 5366692.52    | -0.008               |                         |                         | 8.000                     |                            | 6.000                     | 149.000                   | -2.000                    | -1.000                                  | 9.000                     |
| 44919  | 381434.81    | 5366700.66    | -0.008               |                         |                         | 4.000                     |                            | -5.000                    | 82.000                    | -2.000                    | -1.000                                  | 1.000                     |
| 44920  | 381874.71    | 5366750.87    | -0.008               |                         |                         | -4.000                    |                            | 9.000                     | 86.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44921  | 381164.70    | 5366525.13    | -0.008               |                         |                         | 396.000                   |                            | 18.000                    | 70.000                    | -2.000                    | -1.000                                  | 4.000                     |
| 44922  | 381481.53    | 5365831.39    | -0.008               |                         |                         | 39.000                    |                            | 30.000                    | 114.000                   | -2.000                    | -1.000                                  | 2.000                     |
| 44923  | 381108.93    | 5366079.02    | 0.295                |                         | 0.314                   | 3585.000                  |                            | 197.000                   | 21.000                    | 17.000                    | 5.000                                   | 5.000                     |
| 44924  | 381084.45    | 5366286.61    | -0.008               |                         |                         | 1378.000                  |                            | 9.000                     | 181.000                   | -2.000                    | 1.000                                   | 1.000                     |
| 44925  | 381175.27    | 5367340.49    | -0.008               |                         |                         | 4.000                     |                            | -5.000                    | 255.000                   | -2.000                    | 4.000                                   | -1.000                    |
| 44926  | 381325.28    | 5367899.18    | 0.013                |                         |                         | 5.000                     |                            | 17.000                    | 15.000                    | -2.000                    | -1.000                                  | 2.000                     |
| 44927  | 381350.15    | 5367901.89    | -0.008               |                         |                         | 9.000                     |                            | 11.000                    | 56.000                    | -2.000                    | -1.000                                  | 10.000                    |
| 44928  | 381374.93    | 5367900.33    | -0.008               |                         |                         | 4.000                     |                            | 51.000                    | 23.000                    | -2.000                    | -1.000                                  | 1.000                     |
| 44929  | 381397.06    | 5367900.51    | -0.008               |                         |                         | 4.000                     |                            | 14.000                    | 30.000                    | -2.000                    | -1.000                                  | 1.000                     |
| 44930  | 381425.57    | 5367900.60    | -0.008               |                         |                         | -4.000                    |                            | 10.000                    | 22.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44931  | 381451.11    | 5367901.45    | -0.008               |                         |                         | -4.000                    |                            | 10.000                    | 31.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44932  | 381475.66    | 5367899.66    | -0.008               |                         | -0.008                  | -4.000                    |                            | 9.000                     | 25.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44933  | 381500.98    | 5367900.95    | -0.008               |                         |                         | -4.000                    |                            | 9.000                     | 25.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44934  | 381419.39    | 5367711.77    | -0.008               |                         |                         | -4.000                    |                            | 7.000                     | 31.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44935  | 381393.77    | 5367700.72    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 22.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44936  | 381371.29    | 5367706.79    | -0.008               |                         |                         | -4.000                    |                            | 37.000                    | 16.000                    | -2.000                    | -1.000                                  | 1.000                     |
| 44937  | 381347.28    | 5367710.11    | -0.008               | -0.008                  |                         | -4.000                    |                            | 94.000                    | 15.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44938  | 381327.45    | 5367714.87    | -0.008               |                         |                         | -4.000                    |                            | 63.000                    | 18.000                    | -2.000                    | -1.000                                  | -1.000                    |
| 44939  | 381301.91    | 5367717.09    | -0.008               |                         |                         | 33.000                    |                            | 11.000                    | 67.000                    | -2.000                    | -1.000                                  | 11.000                    |
| 44940  | 381275.84    | 5367707.47    | -0.008               |                         |                         | 13.000                    |                            | -5.000                    | 18.000                    | -2.000                    | -1.000                                  | 9.000                     |
| 44941  | 381200.92    | 5367495.39    | 0.012                |                         |                         | 36.000                    |                            | 11.000                    | 158.000                   | -2.000                    | -1.000                                  | 3.000                     |
| 44942  | 381226.57    | 5367496.57    | -0.008               |                         |                         | 5.000                     |                            | 125.000                   | 36.000                    | -2.000                    | -1.000                                  | -1.000                    |

Laboratory: ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB ANALAB  
 Detection Limit: 0.008 0.008 0.008 5.000 100.00 5.000 5.000 0.500 1.000 1.000  
 Method: GA104

806189

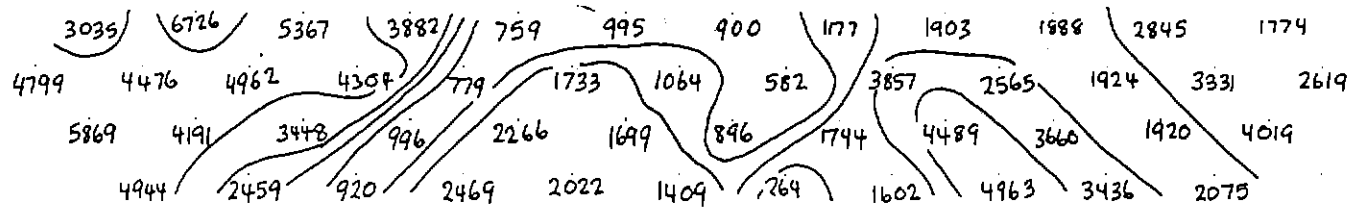
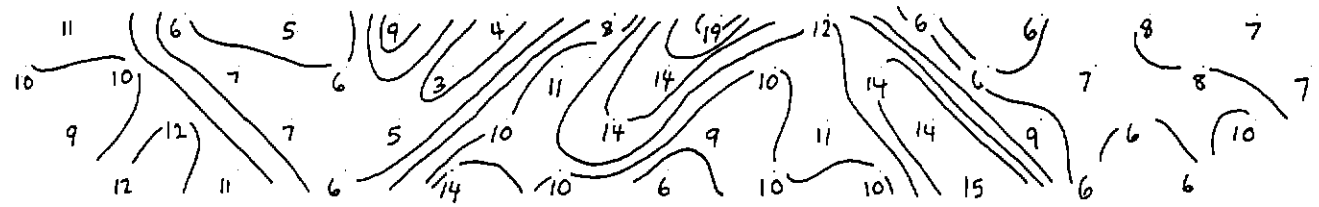
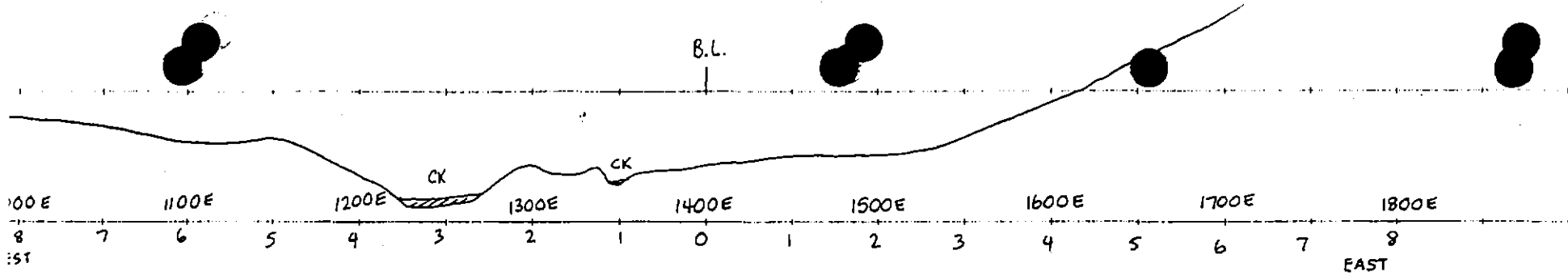
RGC Exploration Pty Ltd  
 GEOCHEM Data Management System  
 Project: TASHANIA

Page: 2  
 27 June 94

| Sample | True easting | True northing | Au ppm<br>ANALAB 309 | Au(r) ppm<br>ANALAB GG3 | Au(s) ppm<br>ANALAB GG3 | Cu ppm<br>ANALAB<br>GA140 | ANALAB<br>Cu_2 ppm<br>GA10 | Pb ppm<br>ANALAB<br>GA140 | Zn ppm<br>ANALAB<br>GA140 | Ag ppm<br>ANALAB<br>GA140 | Bi ppm<br>ANALAB 101 | As ppm<br>ANALAB<br>GA140 |
|--------|--------------|---------------|----------------------|-------------------------|-------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|----------------------|---------------------------|
| 44943  | 381251.12    | 5367496.76    | 0.012                |                         |                         | -4.000                    |                            | 131.000                   | 17.000                    | -2.000                    | -1.000               | -1.000                    |
| 44944  | 381276.77    | 5367496.30    | -0.008               |                         |                         | -4.000                    |                            | 155.000                   | 22.000                    | -2.000                    | -1.000               | -1.000                    |
| 44945  | 381303.74    | 5367496.05    | -0.008               |                         |                         | -4.000                    |                            | 462.000                   | 26.000                    | -2.000                    | -1.000               | -1.000                    |
| 44946  | 381327.08    | 5367496.57    | -0.008               |                         |                         | 7.000                     |                            | 10.000                    | 36.000                    | -2.000                    | -1.000               | -1.000                    |
| 44947  | 381350.86    | 5367496.20    | -0.008               | -0.008                  |                         | 5.000                     |                            | 23.000                    | 29.000                    | -2.000                    | -1.000               | -1.000                    |
| 44948  | 381376.74    | 5367495.85    | -0.008               |                         |                         | 9.000                     |                            | 48.000                    | 21.000                    | -2.000                    | -1.000               | -1.000                    |
| 44949  | 381178.46    | 5367496.20    | -0.008               |                         |                         | 5.000                     |                            | -5.000                    | 71.000                    | -2.000                    | -1.000               | 4.000                     |
| 44950  | 381099.32    | 5367296.17    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 9.000                     | -2.000                    | -1.000               | -1.000                    |
| 44951  | 381124.53    | 5367296.69    | -0.008               |                         |                         | 90.000                    |                            | 293.000                   | 216.000                   | -2.000                    | -1.000               | -1.000                    |
| 44952  | 381149.62    | 5367298.63    | -0.008               |                         |                         | 4.000                     |                            | -5.000                    | 10.000                    | -2.000                    | -1.000               | -1.000                    |
| 44953  | 381176.16    | 5367296.75    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 23.000                    | -2.000                    | -1.000               | -1.000                    |
| 44954  | 381199.28    | 5367297.81    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 23.000                    | -2.000                    | -1.000               | -1.000                    |
| 44955  | 381224.27    | 5367298.22    | -0.008               |                         |                         | 4.000                     |                            | -5.000                    | 22.000                    | -2.000                    | -1.000               | -1.000                    |
| 44956  | 381352.20    | 5367297.86    | -0.008               |                         |                         | 4.000                     |                            | -5.000                    | 16.000                    | -2.000                    | -1.000               | -1.000                    |
| 44957  | 381376.53    | 5367297.50    | -0.008               | -0.008                  | -0.008                  | -4.000                    |                            | -5.000                    | 27.000                    | -2.000                    | -1.000               | -1.000                    |
| 44958  | 381401.51    | 5367300.98    | -0.008               |                         |                         | 6.000                     |                            | -5.000                    | 22.000                    | -2.000                    | -1.000               | 2.000                     |
| 44959  | 381425.41    | 5367298.20    | -0.008               |                         |                         | 6.000                     |                            | -5.000                    | 22.000                    | -2.000                    | -1.000               | -1.000                    |
| 44960  | 381450.51    | 5367298.28    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 13.000                    | -2.000                    | -1.000               | -1.000                    |
| 44961  | 381474.61    | 5367299.68    | -0.008               |                         |                         | -4.000                    |                            | -5.000                    | 14.000                    | -2.000                    | -1.000               | -1.000                    |
| 44962  | 381326.77    | 5367297.12    | -0.008               | -0.008                  |                         | 5.000                     |                            | 12.000                    | 23.000                    | -2.000                    | -1.000               | -1.000                    |
| 44963  | 381075.31    | 5367297.41    | -0.008               |                         |                         | -4.000                    |                            | 14.000                    | 11.000                    | -2.000                    | -1.000               | 15.000                    |

|                  |        |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Laboratory:      | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB | ANALAB |
| Detection Limit: | 0.008  | 0.008  | 0.008  | 5.000  | 100.00 | 5.000  | 5.000  | 5.000  | 0.500  | 1.000  | 1.000  |
| Method:          |        |        |        |        | GA104  |        |        |        |        |        |        |

806100



RESISTIVITY  
CONTOUR  
INTERVAL

100, 150, 250, 400, 650, 1000



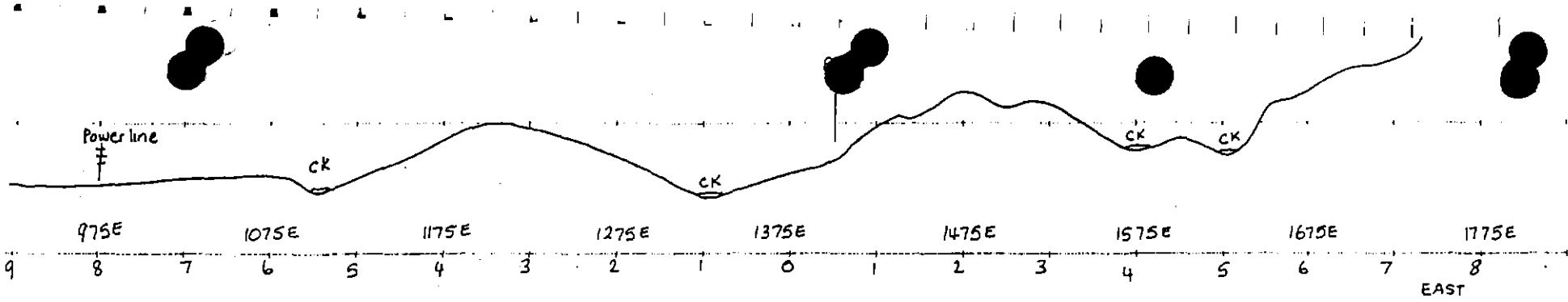
Drawn by B. George.

806191

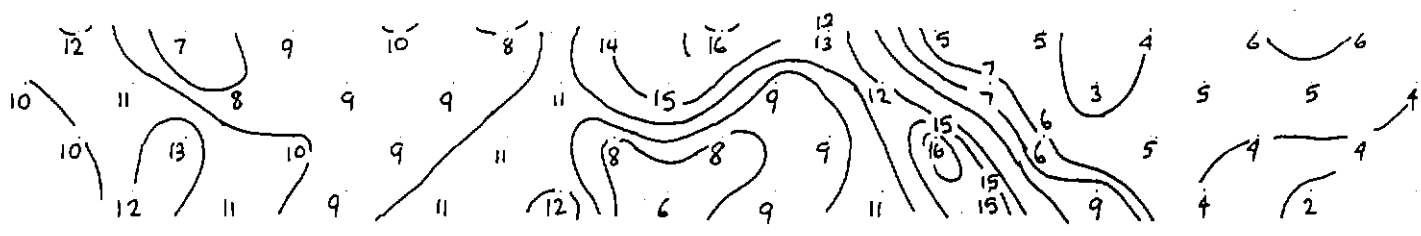
|                                             |                   |       |
|---------------------------------------------|-------------------|-------|
| INDUCED POLARISATION AND RESISTIVITY SURVEY |                   |       |
| MOXON SADDLE GRID<br>LINE : 7900N           |                   |       |
| Array Dipole - Dipole                       | Dipole length 50m |       |
| Date 16/2/90                                | Job No 85-        | Scale |

Fig. 2.

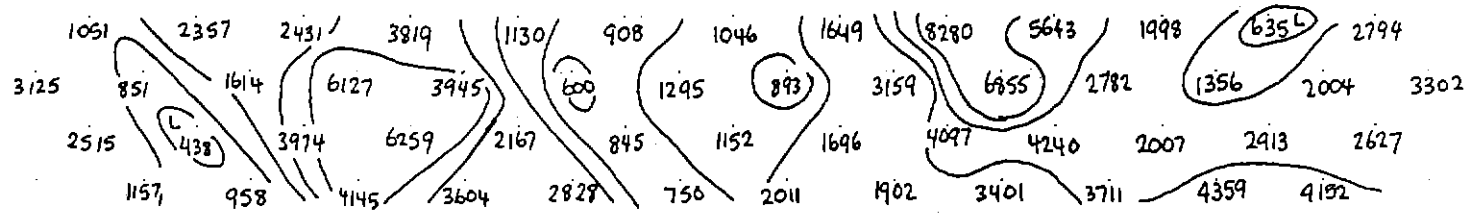
Culture Plan  
Apparent Chargeability (msecs)  
Apparent Resistivity (ohmm)



Culture Plan



Apparent Chargeability (msec)



Apparent Resistivity (ohm-m)

806192

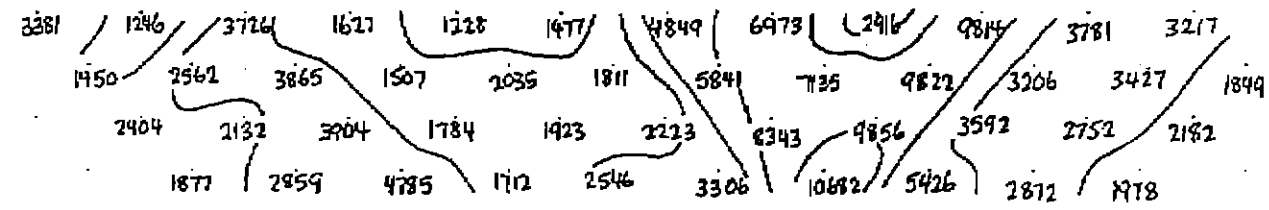
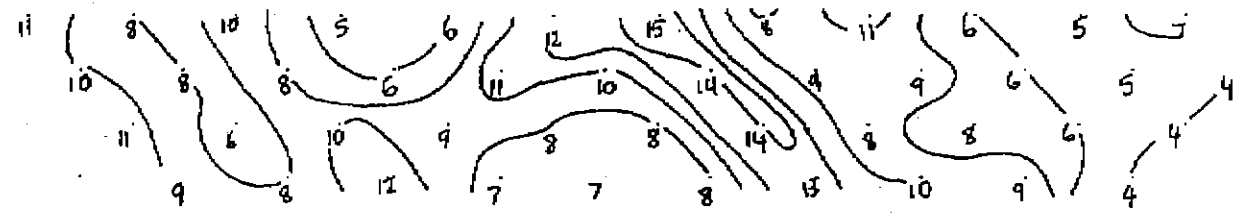
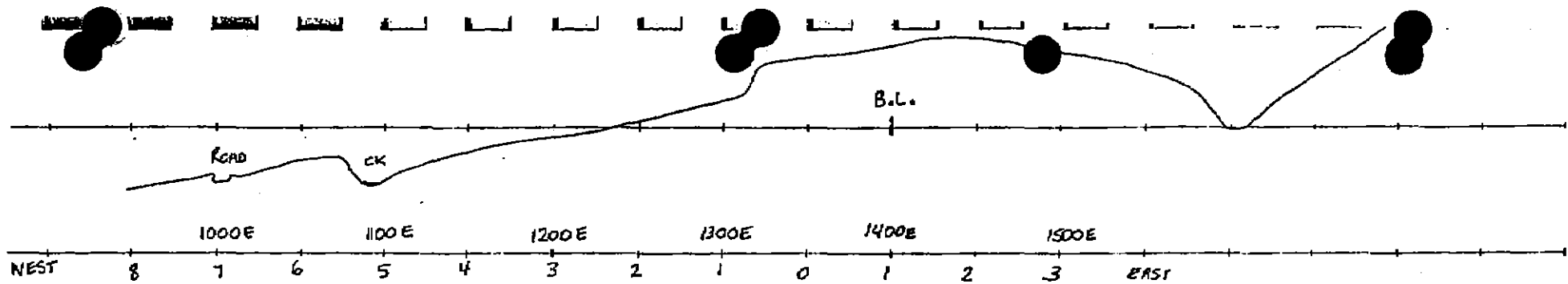
RESISTIVITY  
 CONTOUR 100, 150, 250, 400, 650, 1000  
 INTERVAL

Drawn by B. George



|                                             |                   |       |
|---------------------------------------------|-------------------|-------|
| INDUCED POLARISATION AND RESISTIVITY SURVEY |                   |       |
| MOXON SADDLE GRID                           |                   |       |
| LINE : 7700 N                               |                   |       |
| Array Dipole - Dipole                       | Dipole length 50m |       |
| Date 13/2/90                                | JOB No 85- 4-160  | Scale |

Fig. 3.



806193

RESISTIVITY  
CONTOUR  
INTERVAL  
1000, 1500, 2500, 4000, 6500

Drawn by B. George



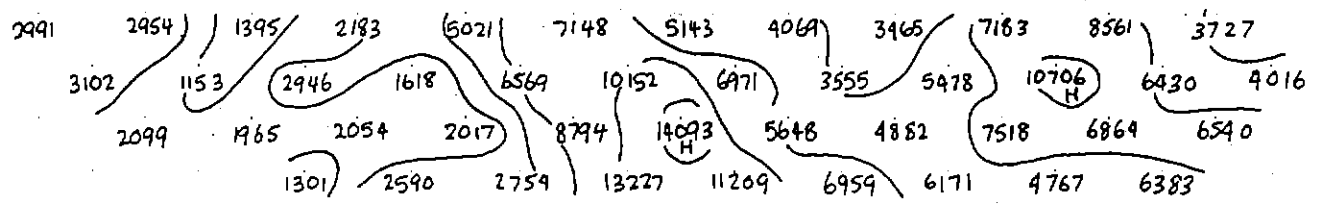
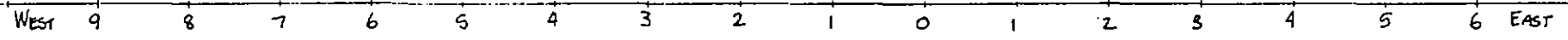
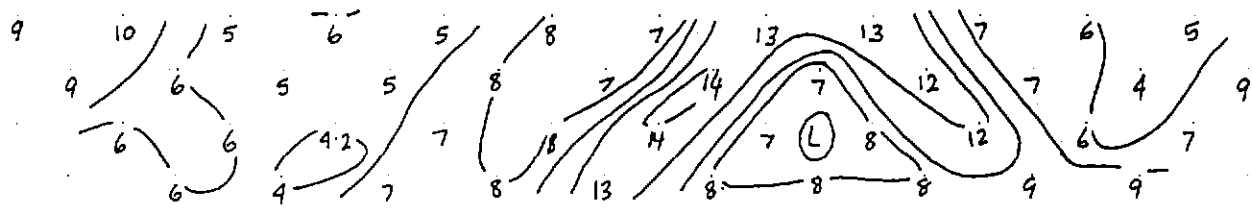
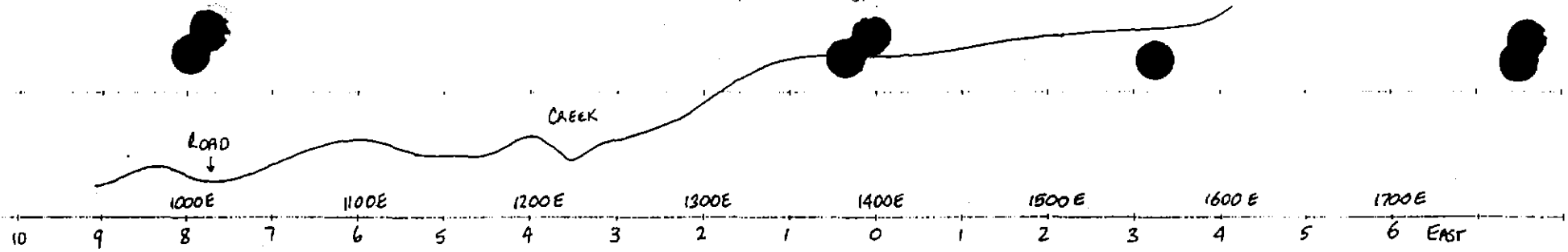
*Figure 4.*

INDUCED POLARISATION AND RESISTIVITY SURVEY

MOXON SADDLE GRID

LINE : 7500W

|                        |                       |
|------------------------|-----------------------|
| Array: Dipole - Dipole | Dipole length: 50m    |
| Date: 10/2/90          | Job No: 85-<br>Scale: |



RESISTIVITY  
CONTOUR  
INTERVAL

1000, 1500, 2500, 4000, 6500, 10000, 15000

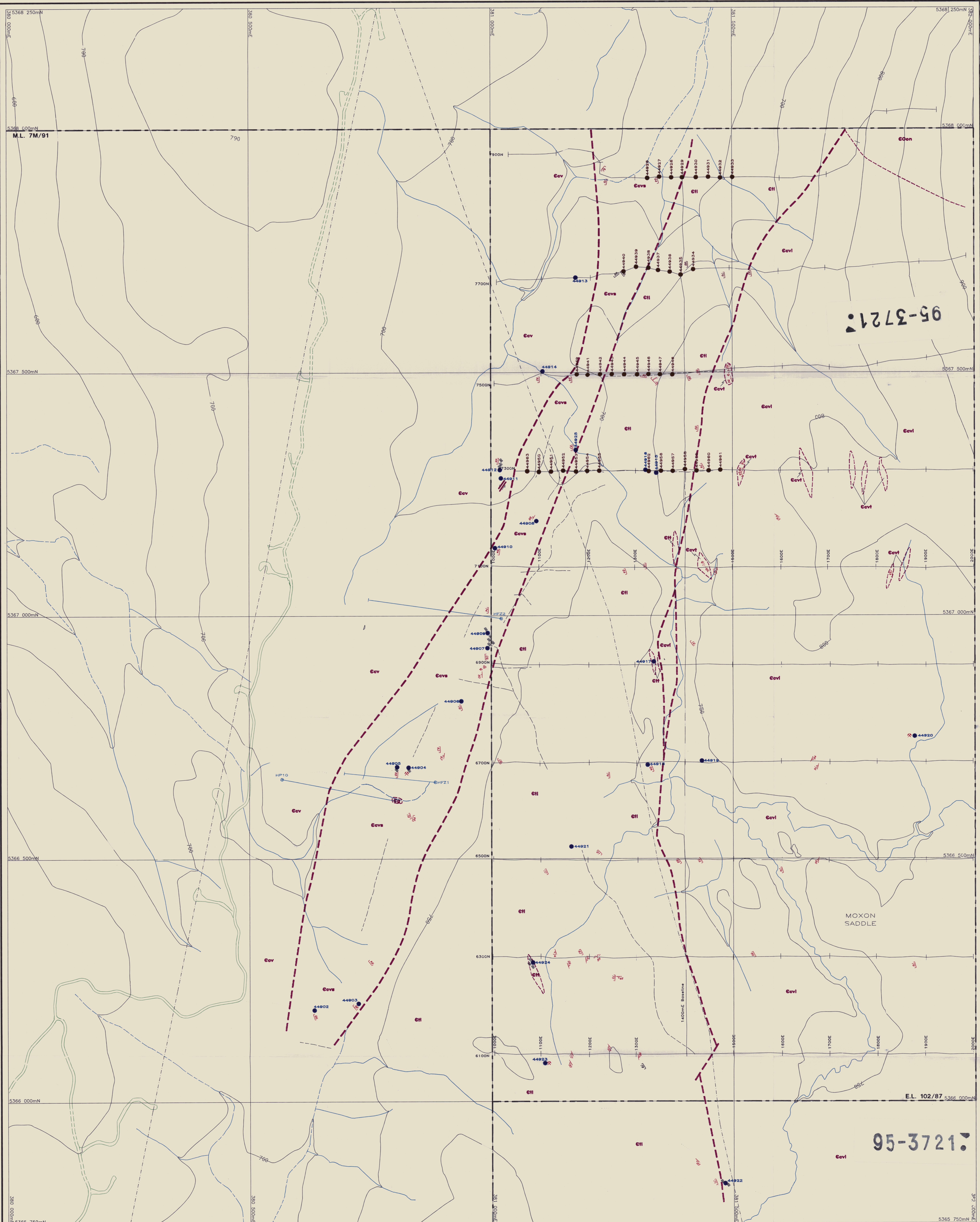
Drawn by B. George.



|                                             |                         |       |
|---------------------------------------------|-------------------------|-------|
| INDUCED POLARISATION AND RESISTIVITY SURVEY |                         |       |
| MOXON SADDLE GRID                           |                         |       |
| LINE : 7300N                                |                         |       |
| Array Dipole - Dipole                       | Dipole length 50 metres |       |
| Date 11 Feb 1990                            | Job No 85-              | Scale |

806194

Fig. 5



- OLD WORKING
- LEASE BOUNDARY
- INFERRED GEOLOGICAL CONTACT
- INFERRED FAULT
- DIP & STRIKE OF BEDDING (FACING KNOWN)
- DIP & STRIKE OF BEDDING (FACING UNKNOWN)
- DIP & STRIKE OF OVERTURNED BEDDING
- DIP & STRIKE OF FOLIATION
- DIP & STRIKE OF BEDDING PARALLEL TO FOLIATION (FACING UNKNOWN)
- DIP & STRIKE OF VEIN : q=quartz
- DIP & STRIKE OF SLICKENSLIDE SURFACE, PLUNGE OF LINEATION
- DIP & STRIKE OF FLOW BANDING
- PLUNGING MICROFOLD
- FACING INDICATOR: GRADED BEDDING
- FACING INDICATOR: TROUGH CROSS-BEDDING
- SULPHIDE ALTERATION

- EOn QUARTZ - FELDSPAR
- CH QUARTZ FELDSPAR EPICLASTIC
- CH QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA
- Ecv MAINLY FELDSPAR-PHYRIC VOLCANICS
- Ecv FELDSPAR-PHYRIC DACITE LAVA
- Ecv FELDSPAR EPICLASTIC
- Ecv CHLORITIC, SERICITIC SCHISTOSE SILT AND SANDSTONE
- Gg GABBRO

- SOIL SAMPLE LOCATION AND NUMBER
- ROCKCHIP SAMPLE LOCATION AND NUMBER

806195

5cm

**RGC EXPLORATION PTY. LIMITED**

|                                   |  |
|-----------------------------------|--|
| E.L. 102/87 MOXON SADDLE PROSPECT |  |
| GEOLOGIST: D. BOYD                |  |
| DRAWN: M. WALTER                  |  |
| DATE: MAR. 1994                   |  |
| CHECKED:                          |  |
| 1:25000 REF.                      |  |

**GEOLOGICAL INTERPRETATION  
SAMPLE LOCATION PLAN**

DRAWING ID: 5532/173  
FILE NAME: MOXON

SCALE 1:2500

PLAN 1

## APPENDIX 5

A review of Exploration at the Beatrice  
Prospect, Western Tasmania

by David Boyd

800107

**RGC EXPLORATION PTY. LIMITED**

(on behalf of Renison Ltd)

**A Review of Exploration at the Beatrice Prospect,  
Western Tasmania.**

Exploration Licence No. 102/87

by

**David Boyd**

**Geologist**

June, 1994.

**SUMMARY**

Detailed mapping this year at the Beatrice Pb-Zn Prospect, 10 km northeast of Queenstown in Western Tasmania has revealed a relatively complex geology comprising a seafloor sequence of black shale, coarse and ashy volcanoclastic rocks and feldspar-phyric lavas overlain conformably by flows of quartz-feldspar rhyolite porphyry lava. Trending north and dipping steeply to the west, the black shale and volcanoclastic units, which show some degree of reworking, represent the mineralised horizon in the area. Extensive exploration by Mt. Lyell in the seventies included Induced Polarisation and soil geochemistry surveys, which identified the black shale and the volcanoclastic units as the most prospective horizon. Four diamond drillholes thoroughly tested the exposed strike-length of these units as mapped in the seventies yielding promising results, the best intersection being 2 m @ 0.14% Cu, 2.65% Pb, 5.05% Zn and 22 ppm Ag. However, the rest of the drilling failed to identify any significant mineral deposit and the Prospect was abandoned in 1980.

This year, a review of the exploration conducted during the seventies, and re-mapping of the Beatrice grid identified a new, untested target. Black shale and volcanoclastic units extend about 1 km further south from the previously mapped limit of exposure and a 300 m diamond drillhole, sited on an existing road, would intersect shale at 150 m, and continue through the volcanoclastic unit. Subsequent drilling of an inferred continuation of the mineralised horizon, under glacial scree, could then be evaluated.

| <b>Contents</b>                                         | <b>Page</b> |
|---------------------------------------------------------|-------------|
| <b>1.1 Introduction</b>                                 | <b>4</b>    |
| <b>1.2 Location and access</b>                          | <b>4</b>    |
| <b>1.3 Terminology</b>                                  | <b>4</b>    |
| <b>2 Previous exploration</b>                           | <b>4</b>    |
| <b>2.1 Introduction</b>                                 | <b>5</b>    |
| <b>2.2 Geochemistry</b>                                 | <b>5</b>    |
| <b>2.2.1 Introduction</b>                               | <b>5</b>    |
| <b>2.2.2 Rock chip geochemistry</b>                     | <b>5</b>    |
| <b>2.2.3 Soil geochemistry</b>                          | <b>5</b>    |
| <b>2.3 Geophysics</b>                                   | <b>6</b>    |
| <b>2.4 Drilling</b>                                     | <b>7</b>    |
| <b>2.4.1 Introduction</b>                               | <b>7</b>    |
| <b>2.4.2 Drill logs</b>                                 | <b>7</b>    |
| <b>2.4.3 Discussion</b>                                 | <b>13</b>   |
| <b>3 Geology</b>                                        | <b>14</b>   |
| <b>3.1 Introduction</b>                                 | <b>14</b>   |
| <b>3.2 Tyndall Group</b>                                | <b>14</b>   |
| <b>3.2.1 Quartz-feldspar rhyolite porphyry</b>          | <b>14</b>   |
| <b>3.2.2 Upper Tyndall Group</b>                        | <b>15</b>   |
| <b>3.3 Central Volcanic Complex</b>                     | <b>15</b>   |
| <b>3.3.1 Black shale</b>                                | <b>15</b>   |
| <b>3.3.2 Interbedded coarse and ashy volcanoclastic</b> | <b>16</b>   |
| <b>3.3.3 Silty volcanoclastic</b>                       | <b>16</b>   |
| <b>3.3.4 Feldspar-phyric dacite lava</b>                | <b>17</b>   |
| <b>3.4 Permian tillite</b>                              | <b>17</b>   |
| <b>3.5 Jurassic dolerite</b>                            | <b>18</b>   |
| <b>3.6 Pleistocene glacial gravel</b>                   | <b>18</b>   |
| <b>3.7 Summary</b>                                      | <b>18</b>   |
| <b>4 Isotope studies</b>                                | <b>19</b>   |
| <b>4.1 Introduction</b>                                 | <b>19</b>   |
| <b>4.2 Results</b>                                      | <b>19</b>   |
| <b>4.2.1 Sulphur isotopes</b>                           | <b>19</b>   |
| <b>4.2.2 Whole-rock oxygen isotopes</b>                 | <b>19</b>   |
| <b>4.3 Discussion</b>                                   | <b>20</b>   |
| <b>5 Conclusions and recommendations</b>                | <b>21</b>   |

**References**

**Plan 1. Drillhole MS-1 Geology Plan and Cross Section**

**Plan 2. Drillhole MS-2 and MS-3 Geology Plan and Cross Section**

**Plan 3. Drillhole MS-4 Geology Plan and Cross Section**

**Plan 4. Geological Interpretation**

**Plan 5. Geological Cross-Section A-A'**

## 1. Introduction

Beatrice is a Pb-Zn prospect exposed in a volcano-sedimentary sequence on the southern and eastern flanks of Mt. Sedgwick, about 10 km northeast of Queenstown in western Tasmania (Fig. 1). It was discovered in 1976 within E.L. 9/66, an area explored by a joint venture between the Mt. Lyell Mining and Railway Company and Getty Oil Developments Ltd. Extensive mapping, soil sampling programs, geophysical surveys and 5 diamond drill holes failed to prove the existence of any significant mineral deposit, even though the identification of a palaeo-seafloor with bedded and veinlet Pb, Zn and Fe sulphide indicates mineralisation of the area has occurred. Exploration at the Prospect ceased in 1981.

The area is currently within E.L. 102/87, held by a joint venture between RGC Exploration Pty. Limited (on behalf of Renison Limited) and BHP Minerals. During May and June this year, the Beatrice grid was re-mapped, the main aim being to determine whether the black shale marking the seafloor position continues south, past the limit of previous drilling, under glacial cover, this would provide a tempting exploration target. Diamond drill holes (DDHs) drilled in the late seventies, MS (Mt. Sedgwick) -1 to MS -5 were re-logged this year in order to gain a better understanding of the stratigraphic relationship of the units, and the nature and siting of the sulphides. Geochemical and geophysical information collected during the late seventies has also been used to update the geological understanding of the area

## 1.2 LOCATION AND ACCESS

Figure 1. shows the location of the Beatrice Prospect, with access *via* a dirt road originating within the Mt. Lyell mining lease. An extensive grid was cut over the area in 1976, with the western half of the grid re-cleared by subsequent E.L. holders.

## 1.3 TERMINOLOGY

Grid coordinates given in the text are those of a local grid, from 0N to 2000N, a 0W baseline running north-south at 30° AMG, increasing west and east. Rock names, unit groups and relative ages are based on those accepted for the Mount Read Volcanics as used by (e.g.) Corbett (1986).

## 2. PREVIOUS EXPLORATION

## 2.1 INTRODUCTION

Exploration commenced in 1974 with reconnaissance mapping and gridding. Geophysical and geochemical surveys were conducted over the whole grid, identifying a main zone with anomalous chargeabilities and Pb, Zn and Cu soil geochemistry running parallel to Itat Ck. in the western half of the grid. The Mt. Sedgwick Anomaly Zone (MSAZ) was thus identified as the prime target for drilling, and comprised north-trending, steeply dipping black shale overlying coarse and ashy volcanoclastic units containing bedded and veinlet pyrite, galena and sphalerite. Four drillholes, MS-1, -2, -3 and -4 tested the inferred strike length of the shale and volcanoclastic units, the best intersection yielding 2 m @ 0.14% Cu, 2.65% Pb, 5.05% Zn, 22 ppm Ag and 0.2 ppm Au in MS-1 (Wilde and Kerr, 1990).

## 2.2 GEOCHEMISTRY

### 2.2.1 Introduction

Rock chips collected during initial mapping were analysed for base-metals and silver. An extensive soil sampling program covered the whole grid, identifying a major Pb, Zn and Cu anomaly running parallel to Itat Ck. Contoured Cu, Pb and Zn concentrations for the grid are shown in Plan 4. The following is taken from Hutton (1979).

### 2.2.2 Rock Chip Geochemistry

Veinlet galena and pyrite and disseminated pyrite, sphalerite and galena represent mineralisation of the black shale. These minerals are most abundant in the black shale near Itat Ck., which follows a major fault through the area. Average metal concentrations in this black shale are 620 ppm Cu, 1.79% Pb, 1.62% Zn and 45 ppm Ag.

Bedded vitric tuff contains fine, disseminated sphalerite and thin, bedded pyrite, sphalerite and minor galena and chalcopyrite. Metal concentrations in these rocks average 365 ppm Cu, 0.105% Pb, 2.52% Zn and 4 ppm Ag.

Veinlets of sphalerite and galena, patches of sphalerite within clasts in the lithic and vitric tuff, and galena- and sphalerite-bearing quartz-calcite veins represent mineralisation of the interbedded lithic and vitric tuff. Average metal concentrations in these rocks are 65 ppm Cu, 0.22% Pb, 0.34% Zn, and 3.7 ppm Ag.

### 2.2.3 Soil Geochemistry

The program over the eastern part of the grid defined two low order anomalies. One in the upper half of the Baseline Ck. valley, and the other in the extreme northeast corner of the grid. Both these areas have high assay values scattered above background.

Table 1. Peak and average Cu, Pb and Zn concentrations for B- and C-horizon soils.

| Element  | Baseline<br>Creek | Northeast<br>sector | MSAZ | mean |
|----------|-------------------|---------------------|------|------|
| Cu (ppm) | 350               | 74                  | 210  | 18   |
| Pb (ppm) | 2200              | 440                 | 7300 | 46   |
| Zn (ppm) | 415               | 712                 | 760  | 17   |

However, in the western part of the grid, centred above the black shale unit and the fault which runs along Itat Ck. is the Mt. Sedgwick Anomaly Zone (MSAZ), which has consistently high values above background. The anomalous zone is about 1200 m long and 300 m wide, the highest value being 210 ppm Cu, 7300 ppm Pb and 760 ppm Zn. This zone was eventually tested by four diamond drill holes which will be discussed later in this report.

### 2.3 GEOPHYSICS

During the 1978/1979 exploration period, a detailed IP survey identified a high chargeability, high resistivity anomaly coincident with, and immediately west of Itat Creek, indicating a disseminated, chargeable source in a resistive host (Hutton, 1979). These high chargeabilities are from disseminated sulphide in the black shale unit exposed along Itat Creek, parallel to a shear zone. Anomalies extend further west over the Sedgwick Porphyry, and have a sharply defined eastern boundary. A Schlumberger array designed to test the depth of the anomaly showed two horizons, one at about 115 m beneath 1600N/1162W, and another at about 60 m beneath 1800N/1700W. MS-1 drilled into this chargeability and soil anomaly and intersected massive sulphide at 111 m, yielding the best intersection of the drilling program.

Chargeability anomalies in the northwest corner of the local grid, over the Sedgwick Porphyry, were tested in 1979/1980 by DDH MS-5. In this hole, pyritic black shale, similar to that exposed along Itat Ck. was intersected beneath the Sedgwick Porphyry, suggesting this unit is responsible for these anomalies, not any massive sulphide in the Porphyry itself (Hutton, 1979).

IP anomalies elsewhere in the area may be caused by black shale, either pyritic or carbonaceous. There is a good correlation between black shale mapped over the northern half of the grid and IP anomalies, some of which have no disseminated pyrite.

In the eastern sector, chargeability anomalies over glacial rocks are similar to those from the Gordon Limestone: a carbonaceous limestone not exposed in the Beatrice area, but interpreted elsewhere to lie within the sequence (Hutton, 1980).

## 2.4 DRILLING

### 2.4.1 Introduction

MS-1 to -5 were re-logged at the Mines Department core shed in Hobart as part of this study and a summary of each hole is presented here. MS-1 intersected the best intervals containing veinlet galena and sphalerite, yielding 7 m @ 1.07% Pb, 1.65% Zn, 7 ppm Ag and 0.3 ppm Au from 62 to 68 m, and pods of massive galena, sphalerite and pyrite yielding 2 m @ 0.14% Cu, 2.65% Pb, 5.05% Zn, 22 ppm Ag and 0.2 ppm Au in interbedded coarse and ashy volcanoclastic rock.

### 2.4.2 Drillhole Logs

#### MS-1

Contacts between the volcanoclastic units and the black shale are sharp and conformable. The contact between the black shale and the quartz-feldspar rhyolite porphyry at the bottom of the hole is also conformable and has textures expected from the extrusion of lava onto wet sediment. MS-4 intersects a similar sequence of units from 142.4 m to the end of the hole as that from 198.8 m to the end of MS-1.

| depth (m)   | code  | description                                                                                                                                                                                                                                                                                                                 |
|-------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 3.6     |       | Glacial cover, mostly coarse lithic volcanoclastic.                                                                                                                                                                                                                                                                         |
| 3.6 - 19.3  | VAM-S | Interbedded ashy volcanoclastic/mudstone and coarse lithic volcanoclastic. Moderately chloritised, silicified and sericitised with a rough foliation parallel to an apparent bedding at 42° to CA. Conformable contact with                                                                                                 |
| 19.3 - 68.4 | VAS   | silicic ashy volcanoclastic/mudstone, disseminated pyrite throughout, veinlet galena associated with quartz-carbonate veins and separate, moderately chloritised and sericitised with zones of iron-oxidation along fractures. From 62 to 68 m, 7 m @ 1.07% Pb, 1.65% Zn, 7 ppm Ag and 0.3 ppm Au. Gradational contact with |

|               |       |                                                                                                                                                                                                                                                                                                                       |
|---------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 68.4 - 95.9   | VAM   | coarse lithic volcanoclastic, rounded limestone clasts, vitriclasts, quartz and feldspar grains in fine matrix with patchy pyrite, galena and sphalerite throughout. Relatively unaltered, gradational contact with                                                                                                   |
| 95.9 - 111.0  | VAM-S | interbedded coarse lithic volcanoclastic and ashy volcanoclastic/mudstone. Gradational contact with                                                                                                                                                                                                                   |
| 111.0 - 136.5 | VAM   | very sericitic and silicic coarse lithic volcanoclastic. From 111.0 to 113.0 massive galena, sphalerite and pyrite in rock yielding 2 m @ 0.14% Cu, 2.65% Pb, 5.05% Zn, 22 ppm Ag and 0.2 ppm Au. Brecciated by quartz-carbonate-sericite veins containing only minor sulphide. Gradational contact with              |
| 136.5 - 175.5 | VAM   | coarse lithic volcanoclastic, quartz grains more evident, steep bedding dipping 88° toward the west. Gradational contact with                                                                                                                                                                                         |
| 175.5 - 193.8 | VAM-S | interbedded coarse lithic volcanoclastic and ashy volcanoclastic/mudstone, moderately sericitised, chloritised and silicified. Gradational contact with                                                                                                                                                               |
| 193.8 - 196.4 | VAS   | ashy volcanoclastic/mudstone, sharp conformable contact with                                                                                                                                                                                                                                                          |
| 196.4 - 198.8 | SAND  | interbedded fine and very-fine, well-sorted, grey, sandy volcanoclastic/sandstone (as seen in MS-4) with bedding 77° to CA. Disseminated pyrite parallel to bedding and in <5 cm long veinlets. Gradational contact with                                                                                              |
| 198.8 - 237.0 | SHAL  | black shale, disseminated bedded and veinlet pyrite throughout, light and dark grey laminations at 55 to 60° to the CA, i.e. steeply dipping. From 227 to 228 m intensely sericitised, broken core: possible shear. Towards the bottom of the hole the shale becomes lighter grey in colour. Gradational contact with |
| 237.0 - 243.9 | VAM   | coarse lithic volcanoclastic, intensely sericitised from 242 to 243.9 in a crush zone: shear. Broken contact with                                                                                                                                                                                                     |
| 243.9 - 245.3 | SHAL  | black shale, broken core, sheared. Broken contact with                                                                                                                                                                                                                                                                |
| 245.3 - 248.7 | LRQF  | quartz- and feldspar-phyric rhyolite porphyry, moderately chloritised, sericitised and silicified. Coarse (2 - 7 mm) quartz (17%), feldspar (20%) phenocrysts in an altered groundmass. Fine disseminated pyrite throughout, sharp contact with                                                                       |
| 248.7 - 272.0 | SHAL  | black shale, minor disseminated pyrite. Conformable, wet sedimentary contact with                                                                                                                                                                                                                                     |
| 272.0 - 329.1 | LRQF  | quartz, feldspar rhyolite porphyry. Extruded onto shale. Relatively unaltered, patchy minor silicification, sericitisation and chloritisation, rare thick quartz-carbonate veins, one with veinlet galena. EOH.                                                                                                       |

### MS-2

Drilled toward the east and collared in black shale containing pods of quartz-feldspar rhyolite porphyry, most of the hole intersects coarse and ashy volcanoclastic rocks, and ends in pink, silicic feldspar-phyric dacite lava. Contacts within the volcanoclastic and shale units are conformable, however the contact between volcanoclastic and feldspar-phyric dacite at the bottom of the hole is faulted. Fine disseminated pyrite in the black shale at the top of the hole represents the only mineralisation of the rocks in this area.

| depth         | code  | description                                                                                                                                                                                                                                                                          |
|---------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 25.6      |       | Glacial cover, mostly quartz-feldspar porphyry with minor dolerite and siliciclastic conglomerate. Broken contact with                                                                                                                                                               |
| 25.6 - 36.4   | SHAL  | black shale, finely laminated at a low angle to the core axis. Offsets in laminations common. Minor carbonate veins. Broken contact with                                                                                                                                             |
| 36.4 - 38.0   | LRQF  | intensely sericitised and foliated quartz-feldspar porphyry. Broken core. Broken contact with                                                                                                                                                                                        |
| 38.0 - 39.4   | SHAL  | black shale. Broken contact with                                                                                                                                                                                                                                                     |
| 39.4 - 43.0   | LRQF  | intensely quartz - carbonate - iron-rich sericite - chlorite-veined brecciated quartz-feldspar porphyry. Sharp, conformable contact with                                                                                                                                             |
| 43.0 - 44.0   | SHAL  | black shale. Sharp conformable contact with                                                                                                                                                                                                                                          |
| 44.0 - 50.4   | LRQF  | dark grey quartz-feldspar porphyry, chloritic groundmass. Includes shaly clasts and two shale interbeds. Contact on deeper interbed broken and foliated. Conformable contact with                                                                                                    |
| 50.4 - 63.0   | SHAL  | finely laminated shale, light and dark bedding at a moderate angle to the core axis. Rare carbonate veins. Eroded contact with                                                                                                                                                       |
| 63.0 - 66.0   | BREC  | erosional coarse breccia: porphyry fragments with interfingering shale. Grainsize decreases toward the bottom of the hole. Broken contact with                                                                                                                                       |
| 66.0 - 78.9   | SHAL  | black shale containing bedded, blebby pyrite, parallel to fine light and dark laminations. Minor sandy interbeds (similar to next unit). Minor quartz-carbonate veins. Sericitised, chloritised broken contact with                                                                  |
| 78.9 - 85.0   | VAM   | fine to coarse volcanoclastic rock. Vitriclastic, clayey and lithic clasts, weakly bedded with blebby pyrite parallel to bedding, moderately foliated. Broken contact with                                                                                                           |
| 85.0 - 87.4   | SHAL  | weakly pyritic, quartz-carbonate veined black shale. Gradational, conformable contact with                                                                                                                                                                                           |
| 87.4 - 88.9   | VAS   | fine silicic mudstone/ashy volcanoclastic. Gradational contact, increase in grainsize to                                                                                                                                                                                             |
| 88.9 - 124.0  | VAM   | quartz, feldspar, vitriclastic, lithic, carbonate-bearing reworked volcanoclastic mass flow unit. Minor sericite and siderite veins. Graded bedding fines towards the bottom of the hole. Silicic, ash-sized units at top of graded beds. Gradational contact with                   |
| 124.0 - 155.0 | VAS   | silicic mudstone/ashy volcanoclastic. Coherent breccia texture: large ashy 'balls' with rounded, diffuse edges. Interbedded with more coherent, less silicified rock. Moderately quartz and carbonate veined, moderately sericitised and chloritised. Sharp conformable contact with |
| 155.0 - 158.6 | VAM   | coarse volcanoclastic rock. Sharp contact with                                                                                                                                                                                                                                       |
| 158.6 - 164.0 | VAS   | silicic mudstone/ashy volcanoclastic. Gradational contact into                                                                                                                                                                                                                       |
| 164.0 - 208.4 | VAM-S | interbedded mudstone/ashy volcanoclastic and coarse volcanoclastic, moderately sericitised and chloritised, patchy quartz-carbonate veins. Vitriclasts and limestone clasts common. gradational contact into                                                                         |
| 208.4 - 259.9 | VAM   | coarse volcanoclastic. Broken contact with                                                                                                                                                                                                                                           |
| 259.9 - 263.4 | FALT  | brecciated fault zone, intensely sericitised and chloritised, strongly foliated and intense quartz-carbonate veining. Broken contact with                                                                                                                                            |

|               |      |                                                                                                                                                                                        |
|---------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 263.4 - 280.0 | L-EA | silicic epiclastic: aphyric lava clasts with interstitial chlorite. Strongly chloritised and sericitised, common quartz-carbonate veins. Sericitised, chloritised, broken contact with |
| 280.0 - 282.0 | EAM  | coarse chloritic epiclastic, with quartz-carbonate veins and fine, disseminated pyrite. Conformable contact with                                                                       |
| 282.0 - 294.0 | EABR | 'break-apart', 'jigsaw-fit' autobrecciated lava, moderately sericitised and chloritised, quartz-carbonate veins common. Smaller breccia clasts at contact with                         |
| 294.0 - 301.0 | LRF  | massive, pink, albite-phyric lava, minor de-vitrification cracks. EOH.                                                                                                                 |

MS-3

Coarse and ashy volcanoclastic rock dominate this hole, with minor shale and epiclastic breccia at the end of the hole. Pyrite is disseminated and in veinlets throughout the hole, however the highest base-metal concentration is only 1.58% Zn and 0.68% Pb from 110.6 to 112.6 m.

| depth         | code  | description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.0 - 11.7    |       | Glacial scree and tillite, broken core. Mostly dolerite, lithic volcanoclastic and quartz-feldspar porphyry.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 11.7 - 46.0   | VAM-S | Interbedded lithic coarse volcanoclastic and mudstone/ashy volcanoclastic, moderately silicified and sericitised. Coarse beds contain quartz grains, chert clasts, lithic clasts, vitriclasts and rounded limestone pebbles. A moderate flattening foliation is at about 30° to the core axis. Disseminated sphalerite in chloritic patches is rare. Apparent grading of the unit fines towards the top of the hole. From 34.1 to 36.8 m there is a highly foliated, intensely chloritised and sericitised faulted zone. Broken contact with |
| 46.0 - 50.2   | SHAL  | black shale containing fine, disseminated galena and sphalerite in quartz-carbonate veins and in the shale. Inclusion of coarse lithic volcanoclastic at 47.5 m. Chloritised, sericitised and silicified, quartz- and carbonate-veined, sulphidic contact with                                                                                                                                                                                                                                                                               |
| 50.2 - 77.2   | VAM   | coarse lithic volcanoclastic. Alteration decreases away from the contact down the hole. Bedding at 32°- 40° to the core axis is defined by small interbeds of mudstone/ashy material. Disseminated pyrite is rare. Conformable contact with                                                                                                                                                                                                                                                                                                  |
| 77.2 - 124.0  | VAM-S | interbedded coarse lithic tuff and mudstone/ashy volcanoclastic. Bedding is at about 10° to the core axis, with ashy layers showing diffuse breccia texture similar to that in MS - 2 and MS - 3. Finer beds are moderately silicified, sericitised and chloritised, and quartz-carbonate veins are common. Veinlet galena and sphalerite is most commonly associated with quartz-carbonate veins, with interstitial galena and pyrite in the primary rock. Gradational contact with                                                         |
| 124.0 - 156.0 | VAS   | mudstone/ashy volcanoclastic, slightly sericitic, chloritic and silicic, 2 mm thick quartz-carbonate veins with pyrite and galena grains, disseminated pyrite throughout the rock. Rough foliation at low angle to the core axis and increased alteration towards the gradational contact with                                                                                                                                                                                                                                               |

|               |      |                                                                                                                                                                                                                                                                                                                                           |
|---------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 156.0 - 170.0 | VAM  | coarse lithic volcanoclastic. Intense sericitisation and chloritisation in strongly foliated broken rock from 164.0 to 170.0 m, fault zone within unit. Broken contact with                                                                                                                                                               |
| 170.0 - 202.7 | VAS  | mudstone/ashy volcanoclastic, moderately sericitised, chloritised and silicified, disseminated and veinlet galena and pyrite, and massive quartz-carbonate-red chert veins with hexagonal pyrite grains. Gradational contact with                                                                                                         |
| 202.7 - 209.2 | VAM  | coarse lithic volcanoclastic. Broken, intensely altered and foliated contact with                                                                                                                                                                                                                                                         |
| 209.2 - 286.0 | VAS  | moderately to strongly sericitised and chloritised mudstone/ashy volcanoclastic. Quartz and carbonate veins are common, with blebby and disseminated pyrite throughout. Also contains zones of angular, brecciated rock. Sharp, chloritised contact with                                                                                  |
| 286.0 - 328.0 | EABR | brecciated epiclastic rock, similar to mudstone/ashy volcanoclastic but breccia fragments have a better 'jigsaw-fit'. Moderately to strongly sericitised and chloritised, with abundant quartz and carbonate veins, with associated pyrite and galena. Pyrite also as interstitial blebs, and galena as massive interstitial infill. EOH. |

#### MS-4

MS-4 was collared in black shale and drilled west toward the quartz-feldspar rhyolite porphyry. The top half of the hole contains interbedded black shale and grey sandstone similar to that near the top of MS-1. Toward the bottom of the hole is a broken, possibly faulted contact between black shale and quartz-feldspar rhyolite porphyry and a thin, conformable shale bed within the porphyry. Pyrite is ubiquitous, although there are no significant base- or precious-metal concentrations.

| depth       | code | description                                                                                                                                                                                                             |
|-------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.0 - 8.8   |      | Glacial deposit, mostly iron-oxidised black shale.                                                                                                                                                                      |
| 8.8 - 23.6  | SHAL | Black shale, rare disseminated pyrite. Gradational, conformable contact with                                                                                                                                            |
| 23.6 - 28.8 | SAND | grey, well-sorted, fine-grained sandstone containing angular feldspar, lithic clasts, disseminated pyrite grains and minor milky quartz. Well bedded parallel to the core axis. Sharp contact with                      |
| 28.8 - 43.7 | SHAL | black shale with fine, bedded pyrite. Carbonate and quartz veins common. Deeper in the unit are fine, white sandy beds at a low angle to the core axis. Pyrite is more abundant in these beds. Gradational contact into |
| 43.7 - 52.9 | SAND | grey, well-sorted bedded sandstone. Load casts (sand into mud), with pyrite concentrated in the sandier beds are common. Offsets in the finely bedded sand are also common. Gradational contact into                    |

|               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 52.9 - 58.0   | SHAL  | black shale, very-fine sandy beds, folded and offset. Carbonate and quartz veins abundant, with pyrite bedded within the fine, sandier beds. Broken contact into                                                                                                                                                                                                                                                                                         |
| 58.0 - 105.6  | VAM   | very coarse lithic volcanoclastic: lithic clasts, rounded limestone pebbles, clear quartz grains, flattened vitriclasts and rare lava clasts. Bedding parallel to a flattening foliation at about 45° to the core axis. Slightly sericitised and chloritised throughout, with intense alteration from 98.2 to 101 m in a faulted crush zone. Gradational, conformable contact into                                                                       |
| 105.6 - 117.3 | SHAL  | black shale, abundant pyrite, carbonate and quartz veins have brecciated the shale. Also bedded pyrite. Broken, gradational contact into                                                                                                                                                                                                                                                                                                                 |
| 117.3 - 122.3 | SHAL  | coarser, sandy shale: sand casts in shale. Minor quartz and carbonate veins. Conformable contact with                                                                                                                                                                                                                                                                                                                                                    |
| 122.3 - 142.4 | VAS   | light pink and dark grey silicic mudstone/ashy volcanoclastic. Similar diffuse brecciation to that in MS - 2. Finely bedded toward the bottom of the hole. Slightly chloritised, common quartz and carbonate veins. Bleached, silicified contact with                                                                                                                                                                                                    |
| 142.4 - 154.0 | SHAL  | black shale containing muddy, pyritic blebs, disseminated pyrite and quartz and carbonate veins throughout. Sharp, conformable contact, including clasts of                                                                                                                                                                                                                                                                                              |
| 154.0 - 160.0 | VAM-S | graded coarse to muddy/ashy volcanoclastic, fining toward the bottom of the hole. Intensely sericitised and chloritised crush zone near sharp, faulted contact with                                                                                                                                                                                                                                                                                      |
| 160.0 - 186.4 | SHAL  | black shale containing abundant pyrite, both bedded and grains associated with quartz-carbonate veins, with fine, grey laminations parallel and at a moderate angle to the core axis. Broken, possibly faulted contact with                                                                                                                                                                                                                              |
| 186.4 - 298.4 | LRQF  | quartz-feldspar porphyry: round, clear and shock-fractured quartz grains, 4 to 7 mm in size, and saussuritized plagioclase laths and rounded ?K-feldspar grains, 2 to 7 mm in size in a silicic groundmass. Iron-rich sericite, quartz and carbonate veins are abundant near the sericitised, chloritised contact with shale (above), and are less abundant throughout the unit which is only moderately sericitised and chloritised. Sharp contact with |
| 298.4 - 300.1 | SHAL  | black shale, weakly pyritic at the contacts, quartz- and carbonate-veined. Upper and lower contacts have porphyry inclusions, porphyry is not intrusive. Sharp contact with                                                                                                                                                                                                                                                                              |
| 300.1 - 349.3 | LRQF  | quartz-feldspar porphyry as before. Minor autobreccia, weak foliation at about 45° to the core axis, moderately sericitised and chloritised. EOH.                                                                                                                                                                                                                                                                                                        |

#### MS-5

Drilled to test the chargeability anomaly in the northwest corner of the grid, MS-5 intersected quartz-feldspar rhyolite porphyry and black shale. The two contacts between porphyry and shale, and shale and porphyry are conformable and both have textures indicative of lava extruding onto wet sediment. For the same contact to be intersected twice, the lava flows and shale beds must either

be faulted or folded. Disseminated pyrite in the black shale is rare, and there are no significant base- or precious-metal concentrations.

| depth         | code | description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.9 - 31.4    | LRQF | Quartz-feldspar porphyry: 22% round, clear quartz phenocrysts (3 to 8 mm), 25% euhedral feldspar grains, most saussuritised (2 to 6 mm), in a dark green silicic groundmass. Patchily, silicified, chloritised and sericitised. Minor stringy carbonate veins throughout. Sharp contact with                                                                                                                                                                                                                                                   |
| 31.4 - 62.3   | SHAL | black shale with thin pyritic very fine-sandy beds, 1 to 5 mm thick, at a high angle to the core axis. Includes 20 cm of porphyry, with a sharp upper contact and sericitic, pyritic, broken lower contact, possible apophysis of porphyry. Thin stringy carbonate veins are common. Conformable, sediment top-flow base contact with                                                                                                                                                                                                          |
| 62.3 - 105.4  | LRQF | quartz-feldspar porphyry. Flow base contact has porphyry stringers sunk into the shale, this zone is pale green, chloritic and has pepperite texture. Away from the contact the porphyry is fresh and relatively unaltered, shock-fractured quartz grains and zoned plagioclase laths are common. The lower contact with black shale is similar to the upper contact: a pale green, chloritic amygdaloidal zone marks the contact however at this contact, the amount of porphyry included in the shale is much less, i.e. contact is sharper. |
| 105.4 - 139.0 | SHAL | Black shale, very-fine sandy beds less abundant than shale above, bedding is at a low angle to the core axis near its upper contact and gradually swings to a higher angle to the core axis toward the bottom of the hole. Fine pyrite is disseminated throughout the shale, with blebby pyrite also common. Quartz and carbonate veins are common, mostly as thin stringers and rarely as larger, epitaxial aggregates of quartz, carbonate and iron-rich sericite. EOH.                                                                      |

### 2.5.3 Discussion

MS-2 and -3 have intersected a similar sequence of units, with a possible shear intersected in the top of MS-2 and not in MS-3, and MS-2 intersecting the feldspar-pyritic dacite in the bottom of the hole, with MS-3 ending in a epiclastic breccia unit. Similar sequences in the bottom of MS-1 and -4 show faulted contacts between coarse volcanoclastic rock, shale and quartz-feldspar porphyry, and a conformable shale unit within the quartz-feldspar porphyry unit. Shale with quartz-feldspar porphyry on both upper and lower contacts is exposed west and east of Itat Ck., and this has important implications in the interpretation of the geology of the area, especially the position of the mineralised black shale in the south of the area.

These holes have thoroughly tested the possible geological, geophysical and geochemical targets identified by the first exploration work done at Beatrice. MS-1 to -4 drilled the extent of the black

shale and underlying volcanoclastics which run parallel to Itat Creek, and did not intersect any major zone of mineralisation. However, the sulphide exposed in the core is bedded within the black shale and volcanoclastic units and as such is most likely to be syn-sedimentary, thus indicating that some form of seafloor sulphide deposition has occurred at this stratigraphic level. As will be discussed in the next section, to the north the sequence is covered by thick Ordovician sediments and to the south, it is covered by glacial scree. Thus the next most accessible target would be a possible extension of the shale and volcanoclastic unit underneath the glacial scree to the south.

### **3. GEOLOGY**

#### **3.1 INTRODUCTION**

Sub-vertical black shale and interbedded coarse and ashy volcanoclastic rocks belonging to the Cambrian Central Volcanic Complex (CVC) trend north, parallel to Itat Ck. in the centre of the mapped area. To the west, Cambrian Tyndall Group quartz-feldspar rhyolite porphyry lava with thin black shale beds is bounded on its western extreme by CVC feldspar-phyric dacite lava. East of the central Itat Ck. shale and volcanoclastic units, Tyndall Group quartz-feldspar rhyolite porphyry lava containing a thin shale bed conformably overlies moderately west-dipping silty volcanoclastic beds interlayered with feldspar-phyric dacite lava. Faulting within units is evident but does not form major lithological boundaries. Upper Tyndall Group reworked epiclastic rocks containing clasts of Precambrian quartzite, and Permian tillite cover the northeastern extreme of the mapping area. Jurassic dolerite forming the summit of Mt. Sedgewick dominates the northwestern extreme of the area. Southwards, Pleistocene glacial scree covers much of the area, limiting exposure of the Cambrian rocks.

#### **3.2 TYNDALL GROUP**

##### **3.2.1 Quartz-Feldspar Rhyolite Porphyry Lava**

Dominating the west of the area, quartz-feldspar rhyolite porphyry is bounded to the west by feldspar-phyric dacite lava and to the east by black shale running parallel to Itat Ck. In the eastern half of the area it conformably overlies interlayered feldspar-phyric dacite lava and silty volcanoclastic CVC rocks. Within the unit to the west and east of Itat Ck. is a thin band of black shale, with conformable upper and lower boundaries. Wet-sedimentary contacts with this shale as exposed in MS-5 and possibly -1 and -4, flow banding and pods of autoclastic breccia indicate the unit is a submarine lava. The unit is 500 m to 1 km thick.

Outcrop is good, with the rhyolite porphyry forming large hill and ridge tops in the north of the area. It is also exposed in the road which runs through the centre of the mapped area, and in Itat Ck. in the south. Weathering of the porphyry on these ridge tops produces white, rounded outcrop whereas fresh rock is pink to green. Centimetre- to metre-scale epitaxial and bucky quartz veins are common.

Fresh handspecimens are pink to green, depending on the amount of chloritisation and sericitisation of the groundmass. Round, clear and shock-cooling fractured quartz grains, 4 to 7 mm in diameter (17%), saussuritised plagioclase laths (10%) and rounded K-feldspar grains (10-15%) 2 to 7 mm in diameter in a silicic groundmass characterise the quartz-feldspar rhyolite porphyry. Alteration is minor, with up to 10% sericitisation and chloritisation of the groundmass but this is rare, with normally a slight variation in the colour of the groundmass the only indication of alteration.

Coarse, reworked epiclastic rock is exposed within the quartz-feldspar rhyolite porphyry to the east of Itat Ck. Angular lava and shale clasts within a quartz-feldspar crystal-rich matrix characterise the rock within the porphyry, and indicate that they were deposited and extruded at the same time. On the map by Hutton (1980) this unit was called the "Sedgwick Porphyry".

### **3.2.2 Reworked Epiclastic (Upper Tyndall Group)**

Unconformably overlying quartz-feldspar rhyolite porphyry and feldspar-phyric dacite lava in the northeast of the area is the reworked epiclastic unit belonging to the Upper Tyndall Group. Exposure is poor, but extends from the eastern boundary of the quartz-feldspar rhyolite porphyry to the eastern limit of mapping.

Large, 10 mm to 15 cm shale, quartz-feldspar porphyry, quartzite and other lithic clasts within a grey, matrix containing few rounded quartz grains distinguish the rock from the Permian Tillite in the area which contains clasts of pink Owen Conglomerate.

This unit has a similar areal extent to that of the Dora Conglomerate on Hutton's (1980) map.

## **3.3 CENTRAL VOLCANIC COMPLEX**

### **3.3.1 Black Shale**

Black shale is exposed in Itat Ck. in the centre of the area and within the quartz-feldspar rhyolite porphyry west and east of Itat Ck. Two separate units are recognised: one runs parallel to Itat Ck., fault-bounded and conformably overlain by quartz-feldspar rhyolite porphyry on its upper, western contact, and conformably overlies interbedded coarse and ashy volcanoclastic rock on its lower, eastern contact. It dips steeply toward the west, and is up to 90 m thick. The second unit is conformably underlain and

overlain by quartz-feldspar rhyolite porphyry lava, and is about 30 m thick. In the west it dips steeply east, and in the west it dips moderately east.

Exposure is poor, with rounded, soft outcrops in Itat Ck., small, tabular outcrops in road cuttings, and small rounded chips in soil within the rhyolite porphyry. In handspecimen and in drillcore, the shale is black and silty. Very fine, white sandy laminations are common, dipping 74 to 82° toward the west near Itat Ck, and 89° toward the east in the shale west of Itat Ck. Where the rock is not laminated, shaley parting is difficult to distinguish from a rough foliation, especially in the rocks exposed in Itat Ck. Bedded and disseminated pyrite is common, as is veinlet pyrite and galena associated with quartz-carbonate veins.

### 3.3.2 Interbedded Coarse and Ashy Volcaniclastic

Silicic coarse and ashy volcaniclastic beds underlie the black shale running parallel to Itat Ck in the centre of the area, and extend south where they are exposed only in Itat Ck., covered elsewhere by Pleistocene glacial scree. Dipping steeply to the west, and with a maximum thickness of 100 m, their upper contact with black shale is gradational, with some interlayering of the two units (as in MS-4). Their lower contact with feldspar-phyric dacite lava is intersected in the bottom of MS-2 and is faulted, however a conformable contact with a feldspar-phyric dacitic epiclastic rock at the bottom of MS-3 suggests the contact between the two units is conformable elsewhere. As noted previously, the coarse volcaniclastic contains angular lithic grains, vitriclasts and rounded limestone clasts, indicating some degree of reworking of the original volcaniclastic sediment.

Exposure is good, with outcrops forming large, grey, rounded boulders and concavo-convex fracture surfaces. Large lithic fragments are evident on outcrop surfaces of the coarse volcaniclastic. Interbedding of the coarse and ashy fractions is variable, ranging from a gradational fining of the coarse unit into ash-sized grains over a few centimetres, to centimetre-scale distinct beds, to large units of ashy or coarse grains.

In handspecimen the ashy volcaniclastic is difficult to distinguish from an aphyric lava, and only a close association with the coarse volcaniclastic, which has large lithic grains and is easily recognised, will help identification. Rounded and angular grains highlighted on weathered surfaces, in a grey to green silicic, ashy matrix characterise the coarse volcaniclastic. Disseminated pyrite is common throughout the rock, with areas of concentrated pyrite, galena and sphalerite, such as that intersected in MS-1. Veinlet galena, sphalerite and pyrite is more common, but reaches <2% of the rock in general. The "ignimbrites, ash, shales" unit on Hutton's (1980) map resemble this unit.

### 3.3.3 Silty Volcaniclastic

Within the feldspar-phyric dacite lava unit are beds of grey, silty volcanoclastic rock. Ten to twenty centimetre-thick beds, dipping about 58° towards the west, are exposed only in creeks which run along the strike of the beds. Each unit is less than 35 m thick. Silicification of the rock makes it hard, with concave fracture surfaces, and the rock is so fine that individual grains are not visible. Only the light and dark-orange outcrop surfaces indicating bedding distinguish this rock from an aphyric lava.

There is no evidence for a faulted contact between the eastern edge of the quartz-feldspar rhyolite porphyry, and the next unit east: the feldspar-phyric dacite lava. Nonetheless the boundary to the quartz-feldspar porphyry is sharp and linear. The presence of the silty volcanoclastic unit, its linear strike, and its ease of erosion relative to the feldspar-phyric dacite lava suggest a silty volcanoclastic unit may lie at the top of the feldspar-phyric dacite lava, in contact with the quartz-feldspar rhyolite lava. Such a relationship would also suggest that the silty volcanoclastic beds within the feldspar-phyric lava are an equivalent unit to the ashy and coarse volcanoclastic unit near Itat Ck. in the centre of the area.

#### 3.3.4 Feldspar-Phyric Dacite Lava

Covering most of the eastern half of the area, pink to pale yellow feldspar-phyric dacite lava is fault-bounded by, and conformably overlies the interbedded coarse and ashy volcanoclastic unit, and is fault-bounded by, and overlain by quartz-feldspar rhyolite porphyry. Good, centimetre-scale flow banding and autobreccia clasts preferentially weathered out of outcrop surfaces indicate the porphyry is extrusive. Hutton's (1980) map shows this unit as the rhyolite, and interbedded rhyolite and ash units, maximum thickness is 105 m.

Exposure is moderate, and the best outcrop is on the tops of ridges and in creeks and landslides. Angular, blocky outcrop highlights cooling fractures within the rock, and a pervasive silicification and moderate sericitisation give the outcrop a pale pink to cream colour. Fine, gritty weathered surfaces indicate a micropoikilitic texture and thin, epitaxial and bucky quartz veins are rare, and near the eastern limit of mapping, thick haematite and magnetite veins are common.

In handspecimen the rock is pale pink to cream, depending on the degree of alteration, with 0.5 to 1.5 mm feldspar laths (10%), and rare, clear quartz phenocrysts (<2%) in a pink, silicic groundmass. Sericitisation of the rock reaches 15%, and is less intense toward the east, however no definite trend of alteration away from Itat Ck. is evident.

#### 3.4 PERMIAN TILLITE

Grey, coarse to cobble-sized lithic clasts of pink, siliciclastic conglomerate, shale, quartz-feldspar porphyry in a grey silty matrix, with matrix-only beds, and graded beds dipping about 15° toward the north characterise the Permian Tillite exposed near the northern limit of mapping.

### 3.5 JURASSIC DOLERITE

Large, vertical columnar joints of Jurassic dolerite form the summit and immediate flanks of Mt. Sedgwick in the north of the mapping area. A 5 to 10 mm orange weathering skin covers grey, fresh rock with fine- to medium-sized interlocking feldspar laths and amphibole blades.

### 3.6 PLEISTOCENE GLACIAL GRAVEL

Glacial gravel comprising large boulders of siliciclastic conglomerate, quartz-feldspar porphyry, feldspar-phyric lava, Jurassic dolerite in pale grey soil covers most of the area south of about line 1000N. The thickest section in a bank of Itat Ck. is greater than 4 m.

### 3.7 SUMMARY

Plan 2 is a cross-section drawn through the north of the area, where exposure is greatest and where all the drilling to date has taken place. Black shale with bedded sulphide overlies mineralised interbedded coarse and ashy volcanoclastic beds and dips steeply toward the west. The total thickness of these two units is 195 m. They are fault-bounded, and conformably overlain to the west by quartz-feldspar rhyolite porphyry lava flows, which contain a thin, 30 m thick bed of black shale near their base. Wet-sedimentary contacts between these two packages indicate extrusion of lava onto the wet, unconsolidated shale, thereby indicating a short time period between deposition (and mineralisation) of the shale, and covering of the shale by the lava.

Feldspar-phyric dacite lava conformably underlies, and is faulted against the interbedded ashy and coarse volcanoclastic unit, and contains 35 m thick beds of silty volcanoclastic itself. These silty volcanoclastic beds most likely form a conformable contact with quartz-feldspar porphyry east of Itat Ck., on its eastern boundary. A faulted boundary on the west side of this quartz-feldspar porphyry, which also contains a thin shale unit between flows, with feldspar-phyric dacite lava and the interbedded ashy and coarse volcanoclastic unit completes the sequence.

In the south, exposure of the quartz-feldspar porphyry, black shale and volcanoclastic rocks is limited to Itat Ck., with glacial scree covering much of the rocks. Bedding in the shale dips steeply west, as it did in the north of the area, and is underlain to the east by volcanoclastic rocks, also as it is in the north of the area. Quartz-feldspar porphyry overlies the black shale and so it is reasonable to assume that this shale is indeed the southern extension of the mineralised black shale in the north as thus represents an untested target for the main body of mineralisation associated with this palaeo-seafloor.

## 4. ISOTOPE STUDIES

### 4.1 INTRODUCTION

Massive and veinlet sulphide, and silicified volcanoclastic rock from MS-1 were analysed for  $\delta^{34}\text{S}$  and whole rock  $\delta^{18}\text{O}$  to compare their isotopic characteristics with those of other Volcanogenic Massive Sulphide (VMS) deposits in the Mt. Read Volcanics. Samples T36721 and T36722 were taken from pods of massive galena, sphalerite and pyrite in coarse volcanoclastic rock at 111.4 and 112.4 m respectively, and sample T36720 was taken from a pyrite vein in black shale at 209 m. These were analysed for  $\delta^{34}\text{S}$  at the Central Science Laboratory at the University of Tasmania. Silicic coarse volcanoclastic rock at 114 m (sample No. T36718) and silicic ashy volcanoclastic at 110.1 m (sample No. T36719) were analysed for whole rock  $\delta^{18}\text{O}$  at the Centre for Ore Deposit and Exploration Studies at the Geology Department, University of Tasmania.

### 4.2 RESULTS

#### 4.2.1 Sulphur Isotopes

$\delta^{34}\text{S}_{\text{CDT}}$  values for the massive galena, sphalerite and pyrite samples (T36721 and T36722) are +15.8 and +14.9 per mil respectively, and +15.8 per mil for the veinlet pyrite in the black shale (T36720). At the Rosebery VMS deposit in Western Tasmania, massive galena and sphalerite ore from the top of the massive sulphide mound, i.e. formed during the later stages of mineralisation, has  $\delta^{34}\text{S}$  values from +13.2 to +15.6 per mil (to +17.2 per mil) (Green *et al.*, 1981).

It is reasonable to assume then, that the fluids depositing sulphides at Beatrice had similar  $\delta^{34}\text{S}$  values to those which deposited sphalerite and galena during the lower temperature, later stages of mineralisation described by Green *et al.* (1981). The  $\delta^{34}\text{S}$  values at Beatrice also fall within the range expected for Cambrian VMS deposits where sulphur deposited as metal-sulphides is derived from a mixture of rock sulphur and Cambrian seawater sulphate (Large, 1992).

#### 4.2.2 Whole Rock Oxygen Isotopes

Whole rock  $\delta^{18}\text{O}_{\text{SMOW}}$  values of altered volcanic rocks around the Prince Lyell Deeps deposit at the Mt. Lyell mine, Queenstown range from +6.6 to +10.6 per mil, the lowest values being those in chloritic intermediate to mafic rocks, which fractionate less  $^{18}\text{O}$  than felsic, sericitic rocks (Raymond, 1992). Felsic sericitic rocks surrounding the Prince Lyell Deeps have  $\delta^{18}\text{O}_{\text{SMOW}}$  values from +9 to +10.6 per mil, thus values of +10.1 to +10.5  $\pm 0.2$  per mil for the silicic coarse and ashy volcanoclastic rocks from

Beatrice (sample No.'s T36718 and T36719 respectively) fall within the range of  $\delta^{18}\text{O}$  values at Prince Lyell.

#### 4.3 DISCUSSION

Given that the  $\delta^{34}\text{S}$  values of sulphides from the mineralised horizon fall within the range of the Pb- and Zn-rich ore at the Cambrian Rosebery VMS deposit, and  $\delta^{18}\text{O}$  values of silicified rocks from Beatrice are similar to those of rocks in the alteration zone surrounding the Prince Lyell VMS deposit, it is reasonable to assume that Cambrian VMS-style processes dominated mineralisation of the shale and volcanoclastic horizon at Beatrice.

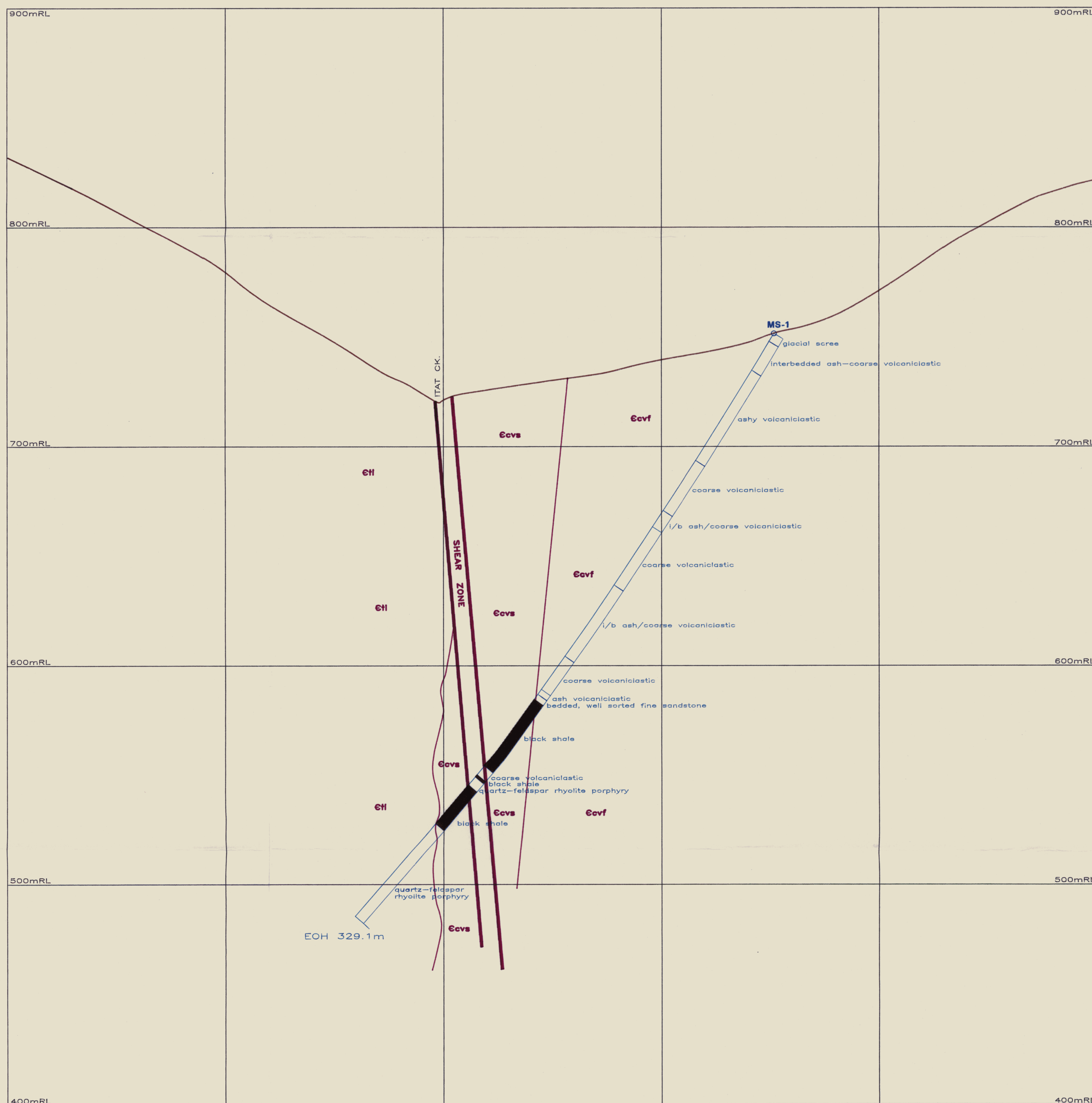
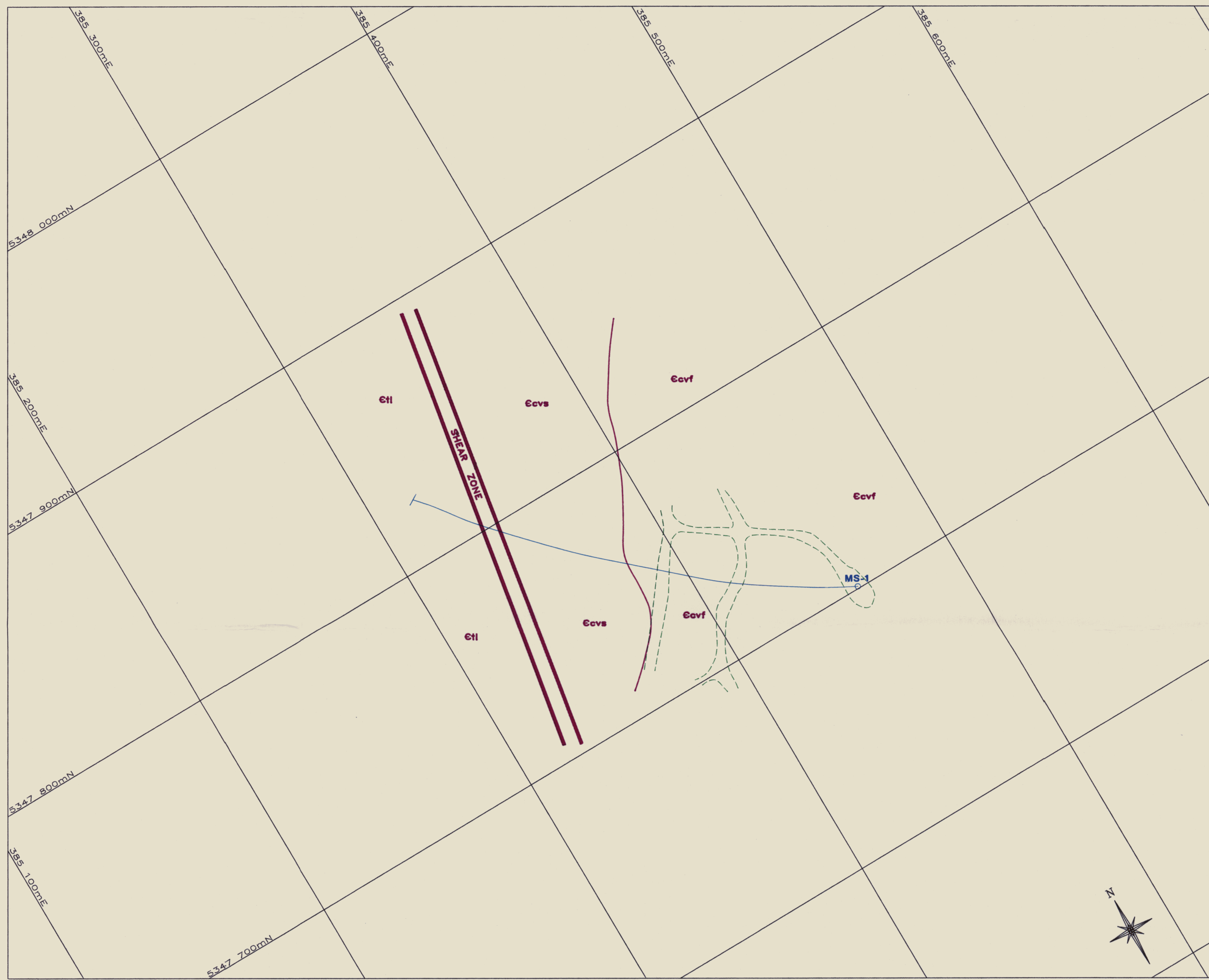
## 5. CONCLUSIONS AND RECOMMENDATIONS

The southern extent of the mineralised black shale, deposited on the seafloor and covered soon after by lava, and mineralised interbedded coarse and ashy volcanics, both tested extensively in the late seventies and yielding promising base-metal concentrations, is an obvious target for further drilling. Furthermore, the similarity in  $\delta^{18}\text{O}$  and  $\delta^{34}\text{S}$  values of the mineralised rocks and sulphides at Beatrice, to those at other Tasmanian Cambrian VMS deposits, suggests the mineralisation of the black shale and volcanoclastic units had a major component similar to that which formed these VMS deposits.

Plan 4 shows the "Proposed Drillhole MS-6", a 300 m hole drilled from the existing road at 600N, at a bearing of  $144^\circ$  AMG, and  $-50^\circ$  dip, which should intersect the top of the shale at about 150 m down the hole, and continue through the volcanoclastic unit into the feldspar-phyric lava at about 290 m downhole. An excavator, tracked from within the Mt. Lyell Mine Lease some 6.5 km from the drill site, would be required for about 2 days to set up the rig. Non-articulated trucks can drive to the intersection of the road and Porphyry Creek (see Plan 4), that being the closest wheeled transport could get to the rig without reconstruction of the creek crossing and the track. Water siphoned from Itat Creek at the top of the grid should be plentiful. However, given the pending relinquishment of the Mt. Lyell Mine Lease by RGC to Gold Mines of Australia Ltd in December, 1994, action should be taken to drill this hole before access to the site is limited.

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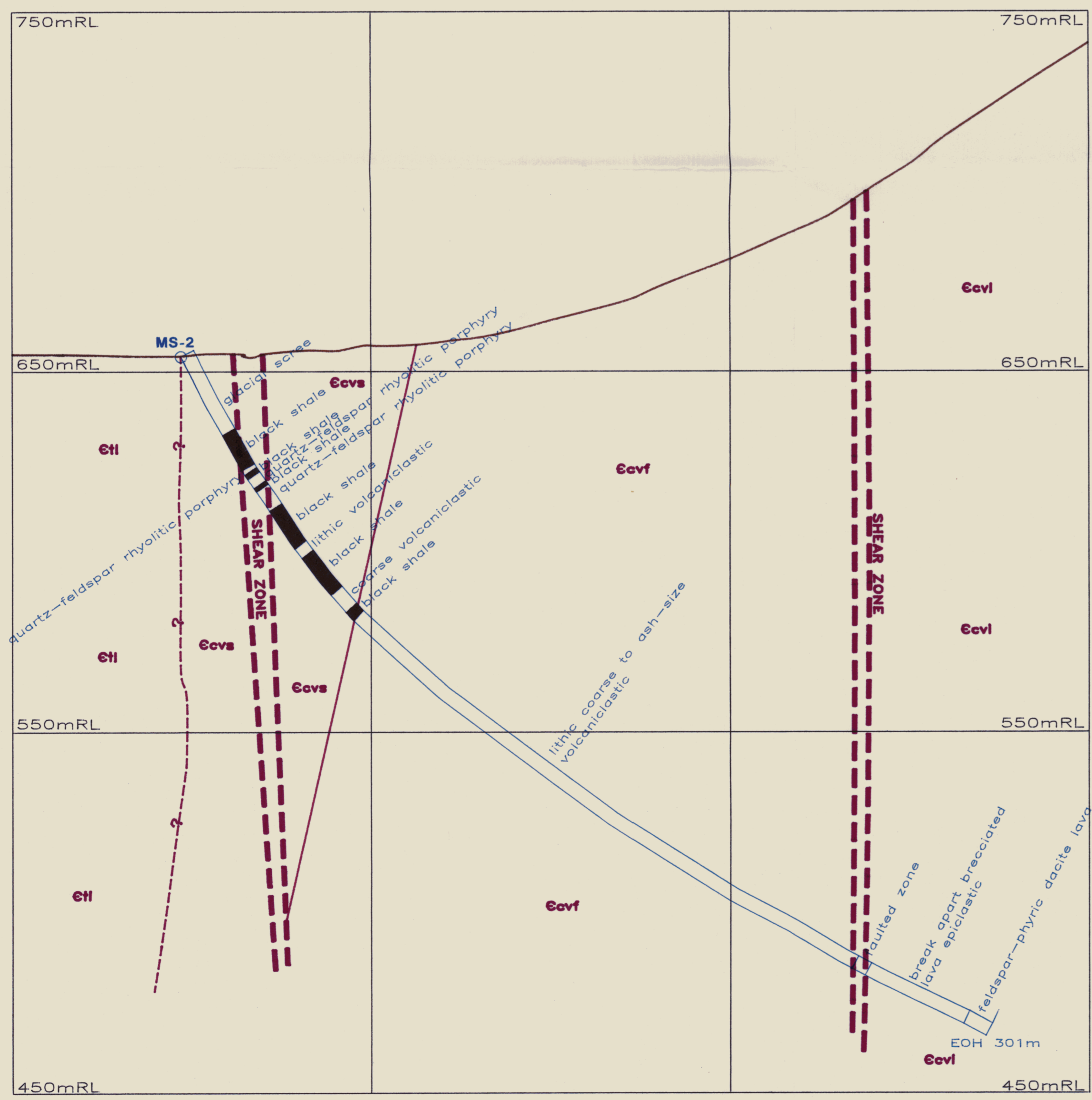
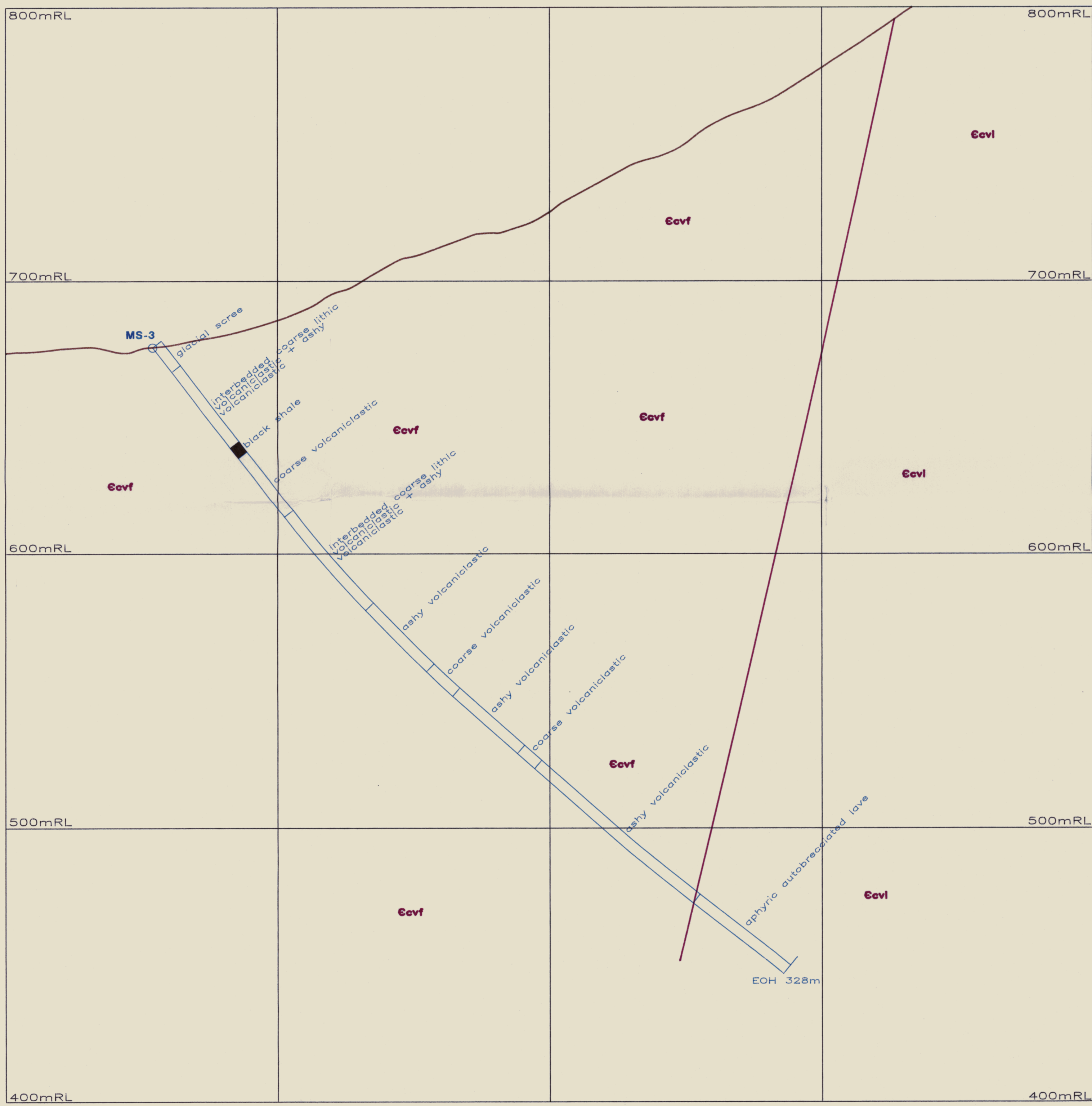
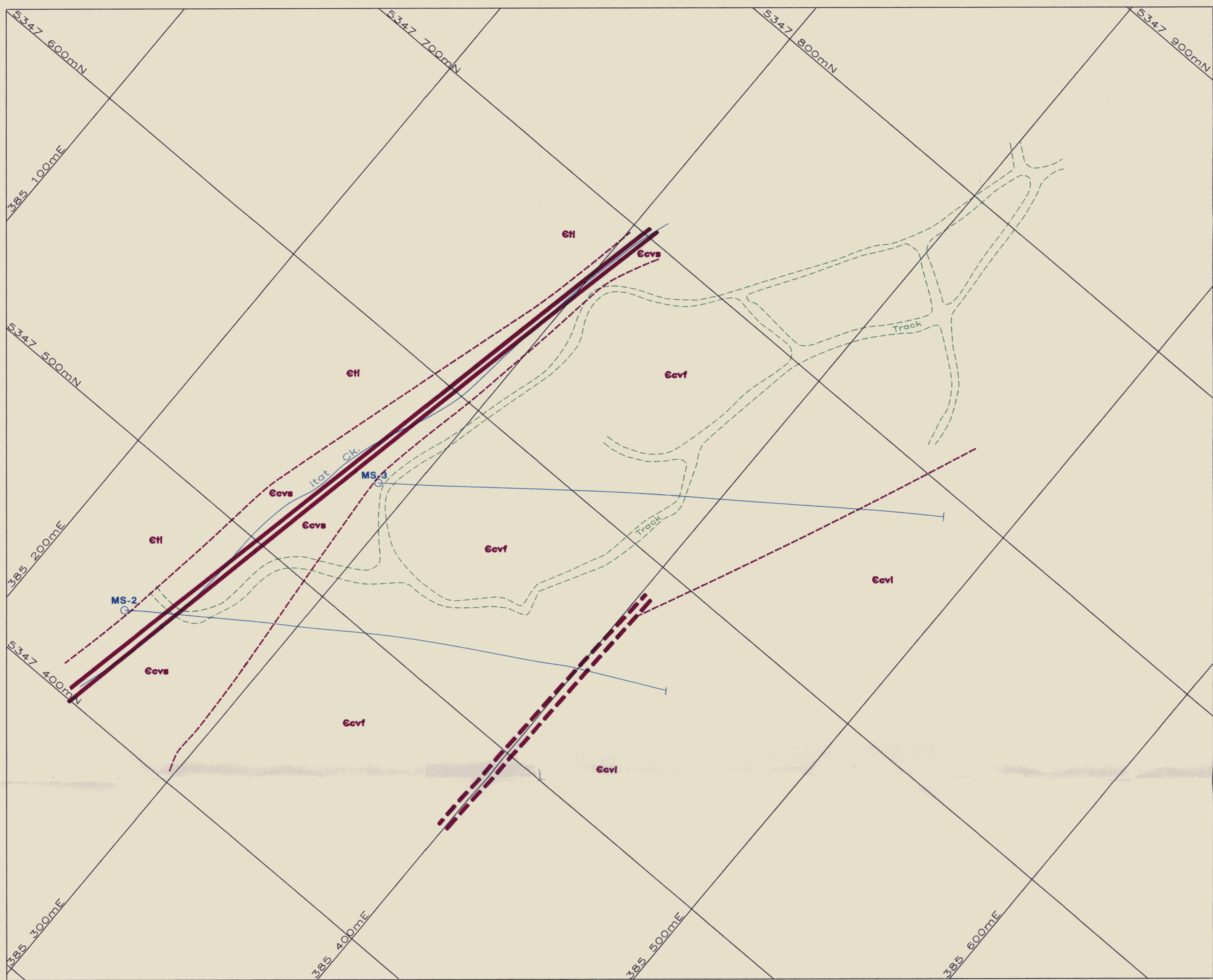
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| CAMBRIAN         | TYPICAL GROUP |                                            |                             |
|                  | CH            | QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA  |                             |
|                  | Ecvs          | BLACK SHALE                                |                             |
|                  | Ecvf          | INTERBEDDED COARSE AND ASHY VOLCANICLASTIC |                             |
|                  | Ecvf          | SILTY VOLCANICLASTIC                       |                             |
| CENTRAL SEQUENCE |               | Ecvf                                       | FELDSPAR-PHYRIC DACITE LAVA |

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| RGC EXPLORATION PTY. LIMITED |           |                                                        |        |
|------------------------------|-----------|--------------------------------------------------------|--------|
| GEOLOGIST                    | D. BOYD   | BEATRICE PROJECT E.L. 102/B7                           |        |
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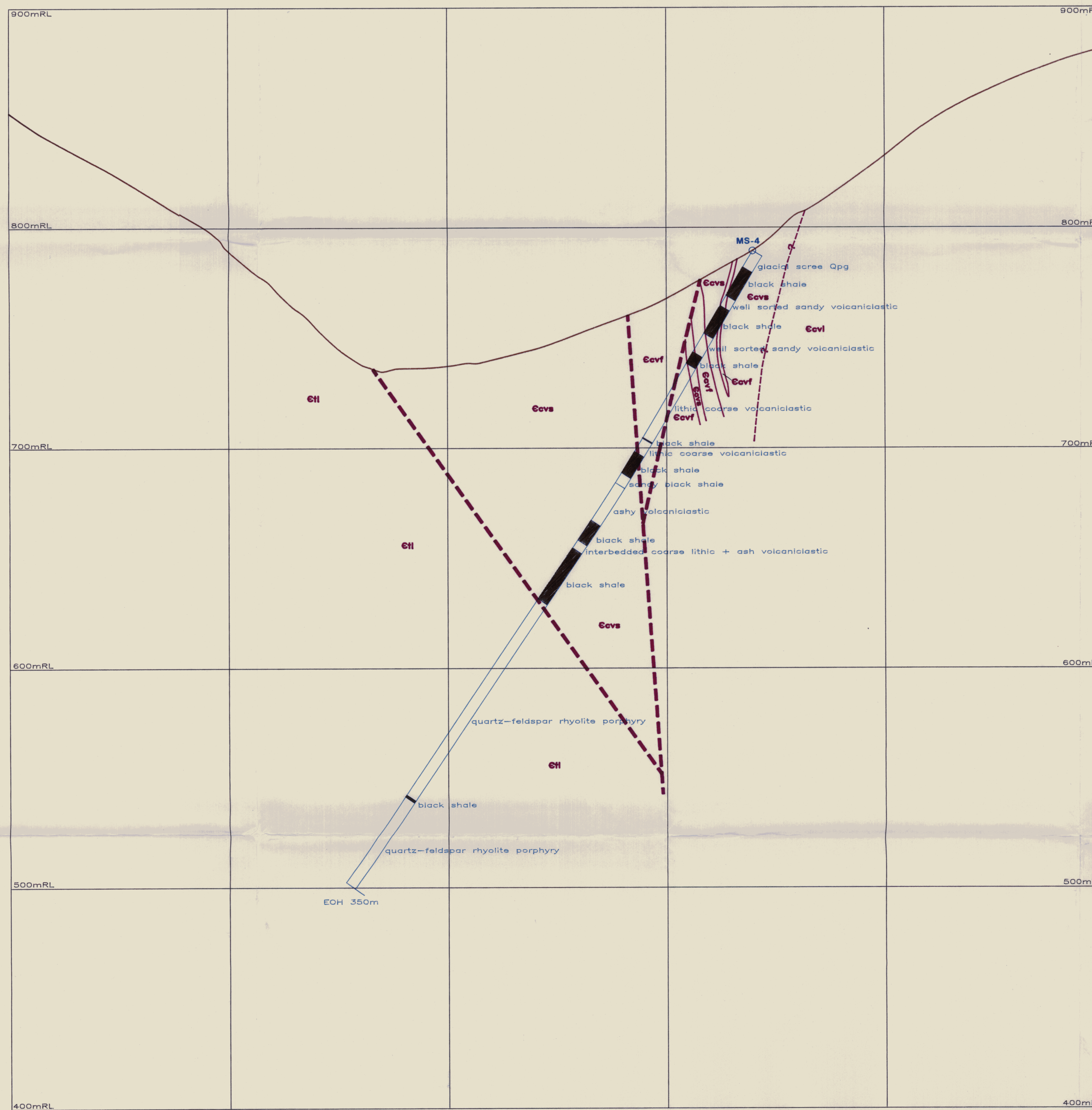
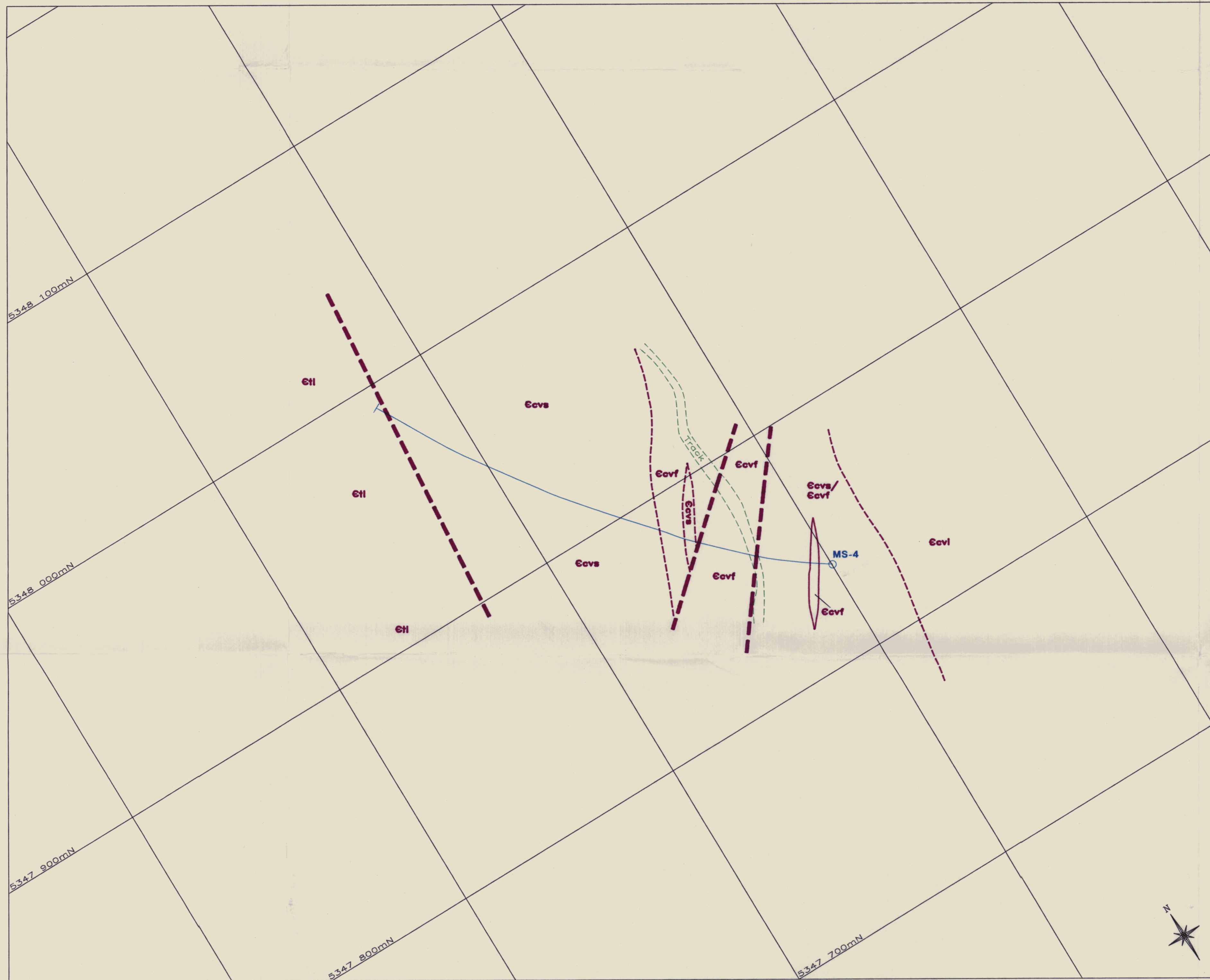
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- CAMBRIAN
- EH QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA
  - Ecvs BLACK SHALE
  - Ecvi INTERBEDDED COARSE AND SILTY VOLCANICLASTIC
  - Ecvi SILTY VOLCANICLASTIC
  - Ecvi FELDSPAR-PHYRIC DACITE LAVA

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| <b>RGX EXPLORATION PTY. LIMITED</b>                        |              |
| GEOLOGIST                                                  | D. BOYD      |
| DRAWN                                                      | M. WALTER    |
| DATE                                                       | JUNE 1994    |
| CHECKED                                                    | D. BOYD      |
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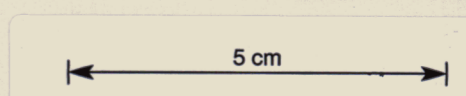


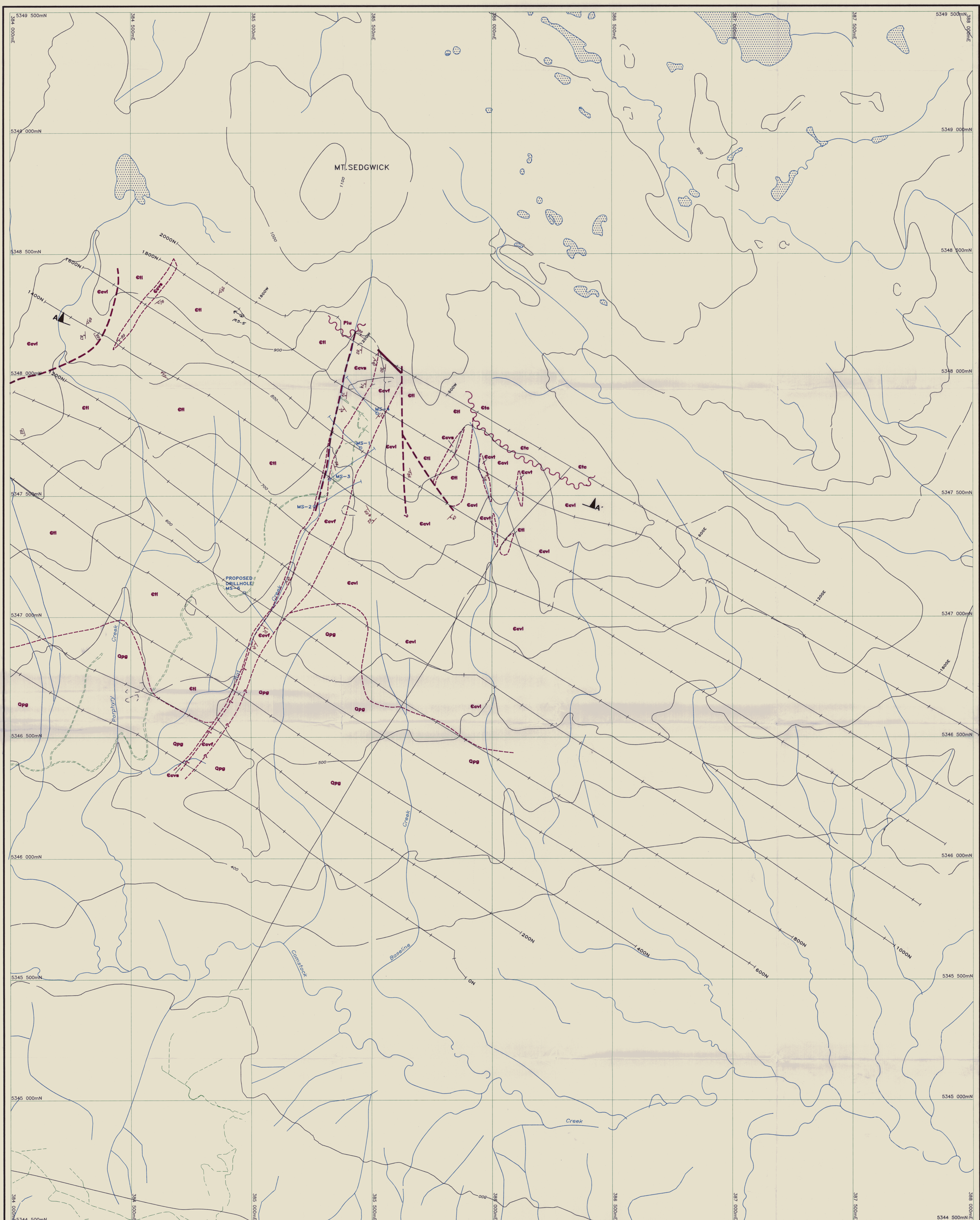
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|          |               |      |                                            |
|----------|---------------|------|--------------------------------------------|
| CAMBRIAN | TYPICAL GROUP | CH   | QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA  |
|          |               | Cova | BLACK SHALE                                |
|          |               | Covf | INTERBEDDED COARSE AND ASHY VOLCANICLASTIC |
|          |               | Covf | SILTY VOLCANICLASTIC                       |
|          |               | Covf | FELDSPAR-PHYRIC DACITE LAVA                |

| RGC EXPLORATION PTY. LIMITED |           |                                                                                                                                             |        |
|------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|--------|
| GEOLOGIST                    | D. BOYD   | BEATRICE PROJECT E.L. 102/87                                                                                                                |        |
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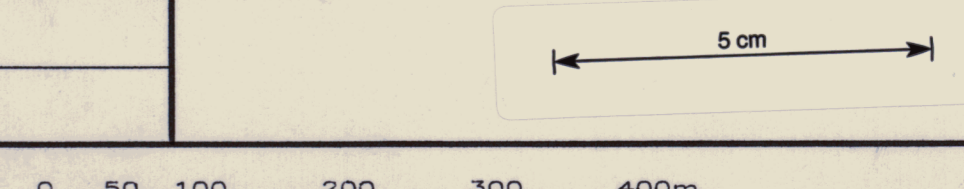
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- QUATERNARY
  - PLEISTOCENE GLACIAL GRAVEL
- PERMIAN
  - TILLITE
- TRONDHJEMIAN
  - REWORKED EPICLASTIC
  - QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA
- CAMBRIAN
  - BLACK SHALE
  - INTERBEDDED COARSE AND ASHY VOLCANOCLASTIC
  - SILTY VOLCANOCLASTIC
  - FELDSPAR-PHYRIC DACITE LAVA

SHEET LAYOUT

|         |          |
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| SHEET 1 | SHEET 1B |
| SHEET 2 |          |
| SHEET 3 |          |
| SHEET 4 |          |
| SHEET 5 |          |

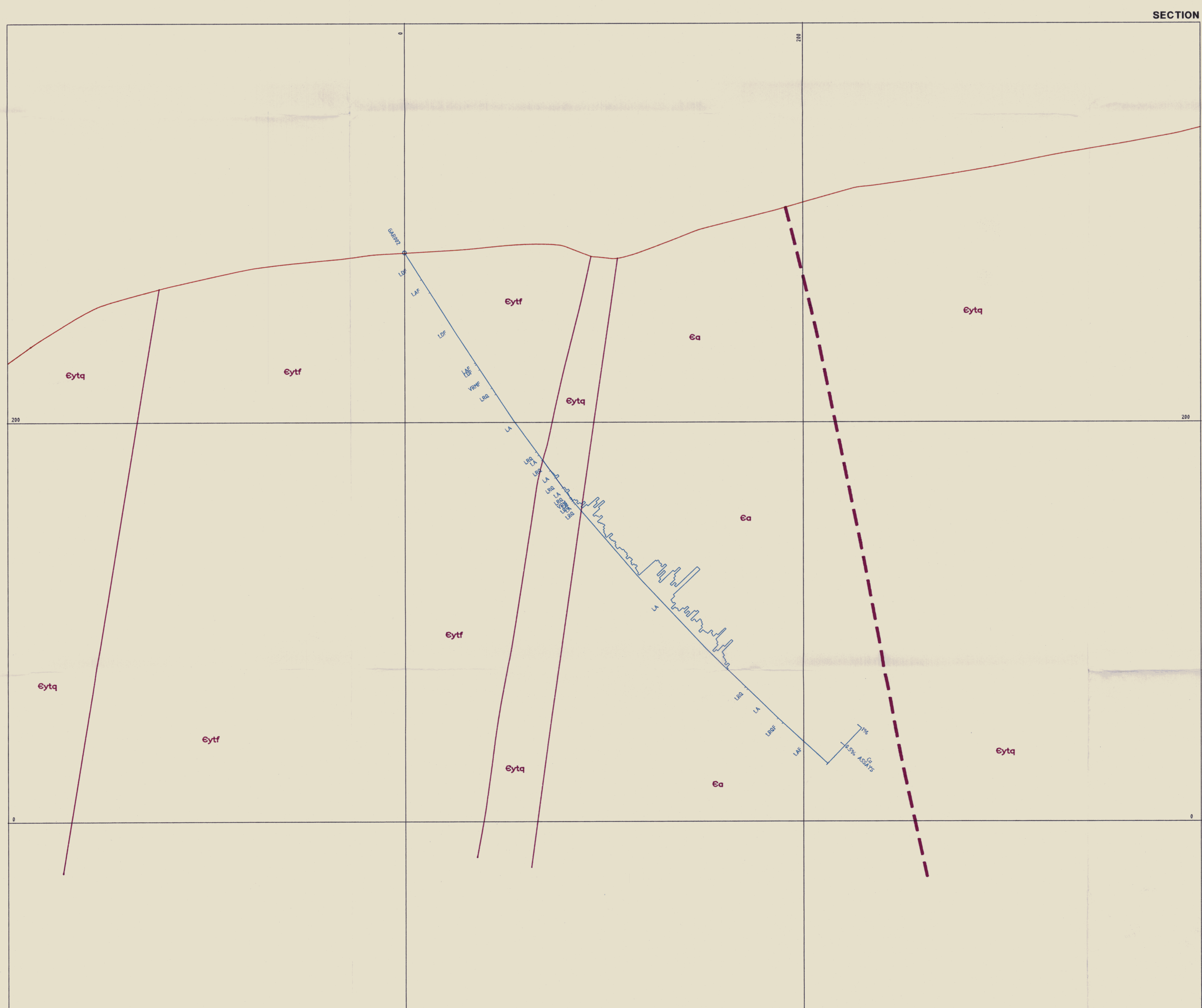
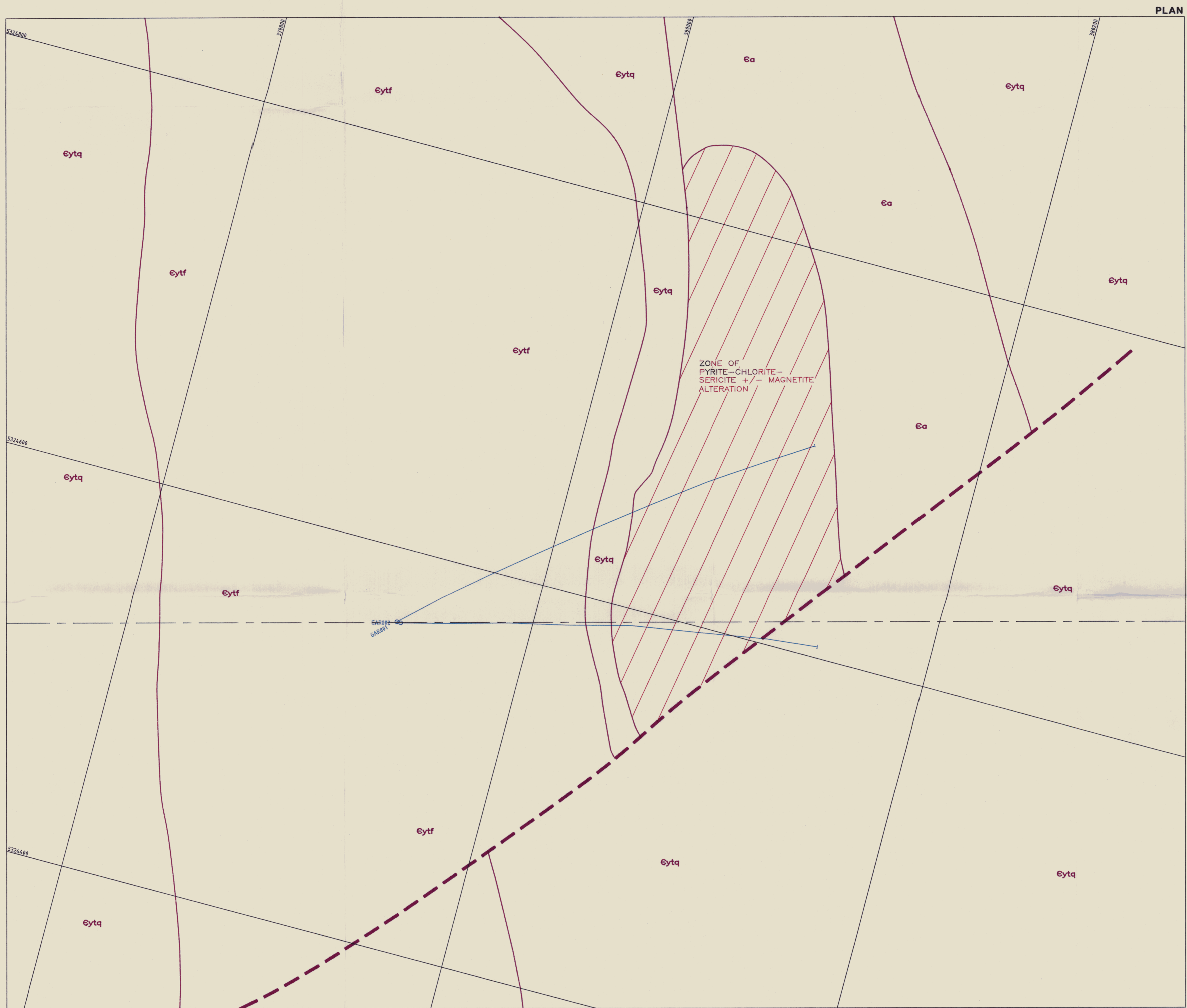
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| GEOLOGIST<br>D. BOYD                | <b>GEOLOGICAL INTERPRETATION</b> |                               |  |
| DRAWN<br>M. WALTER                  | DATE<br>JUNE 84                  |                               |  |
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PLAN 4







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**GEOLOGY INTERP. LEGEND**

- Eytq QUARTZ PHYRIC LAVAS AND VOLCANICLASTICS
- Eyt FELDSPAR PHYRIC LAVA WITH ABUNDANT ANDESITE DYKES
- Ea FELDSPAR-HORNBLende PHYRIC ANDESITE

**DOWNHOLE GEOLOGY LEGEND**

- LAF FELDSPAR PHYRIC ANDESITIC LAVA
- LRO QUARTZ PHYRIC RHYOLITIC LAVA
- VRMF MEDIUM GRAINED FELDSPAR PHYRIC RHYOLITIC VOLCANICLASTIC
- LA ANDESITIC LAVA
- VRM MEDIUM GRAINED RHYOLITIC VOLCANICLASTIC
- LDF FELDSPAR PHYRIC DACITIC LAVA
- LRGF QUARTZ FELDSPAR PHYRIC RHYOLITIC LAVA

**RGX EXPLORATION PTY. LIMITED**

|                      |  |                                                |  |
|----------------------|--|------------------------------------------------|--|
| GEOLOGIST S. HALLEY  |  | GARFIELD PROSPECT E.L. 102/87                  |  |
| DRAWN M. WALTER      |  | <b>GAR002 DRILLHOLE SECTION &amp; PLANVIEW</b> |  |
| DATE JUNE 1994       |  |                                                |  |
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**OPEN FILE**

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(on behalf of Renison Ltd)

806227

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EXPLORATION LICENCE NO.'S  
102/87, 55/89 & 12/92

("Queenstown", "Mt Darwin" &  
"Queenstown South")

West Sedgwick & Garfield/Clark Valley

Annual Report April 1994- March 1995

Volume 2 of 2. Plans.

Compiled by:

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Senior Geologist

Michael Vicary  
Geologist

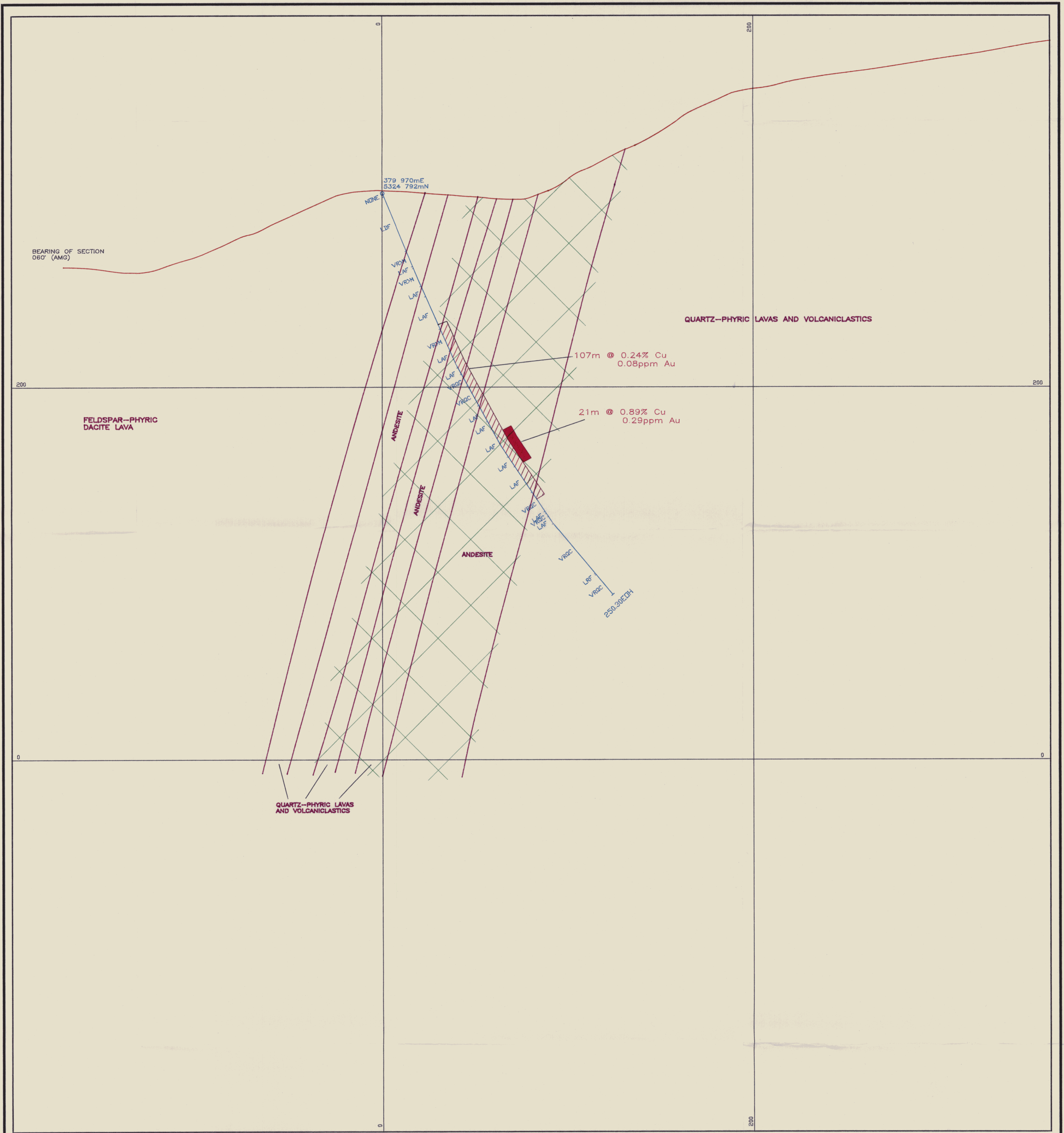
David Boyd  
Graduate Geologist

17 March 1995

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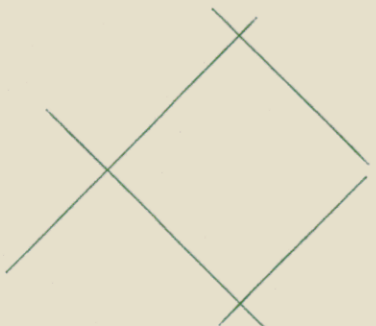
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- BHP Minerals Ltd - Brisbane
- RGC Exploration - Perth
- RGC Exploration - Zeehan

**95-3721**



DOWNHOLE GEOLOGY LEGEND

| TYPE                   | COMPOSITION    | CRYSTAL TYPE                  | GRAINSIZE              |
|------------------------|----------------|-------------------------------|------------------------|
| U - Volcanic (general) | R - Rhyolite   | A - Aphyric                   | B - Breccia            |
| V - Volcaniclastic     | Y - Rhyodacite | F - Feldspar phyrlic          | C - Coarse             |
| E - Epiclastic         | D - Dacite     | < - Feldspar - quartz phyrlic | M - Medium (Sandy)     |
| L - Lava               | A - Andesite   | > - Quartz - feldspar phyrlic | F - Fine (Silty)       |
| I - Intrusive          | B - Basaltic   | Q - Quartz phyrlic            | V - Very fine (Shaley) |
| P - Porphyry           | F - Felsic     | H - Hornblende phyrlic        | A - Ashy               |
|                        | M - Mafic      | P - Pyroxene phyrlic          | / - Undifferentiated   |
|                        | U - Ultramafic | B - Biotite phyrlic           | X - Crystal rich       |
|                        |                | V - Vitric/glassy             |                        |
|                        |                | L - Lithic rich               |                        |



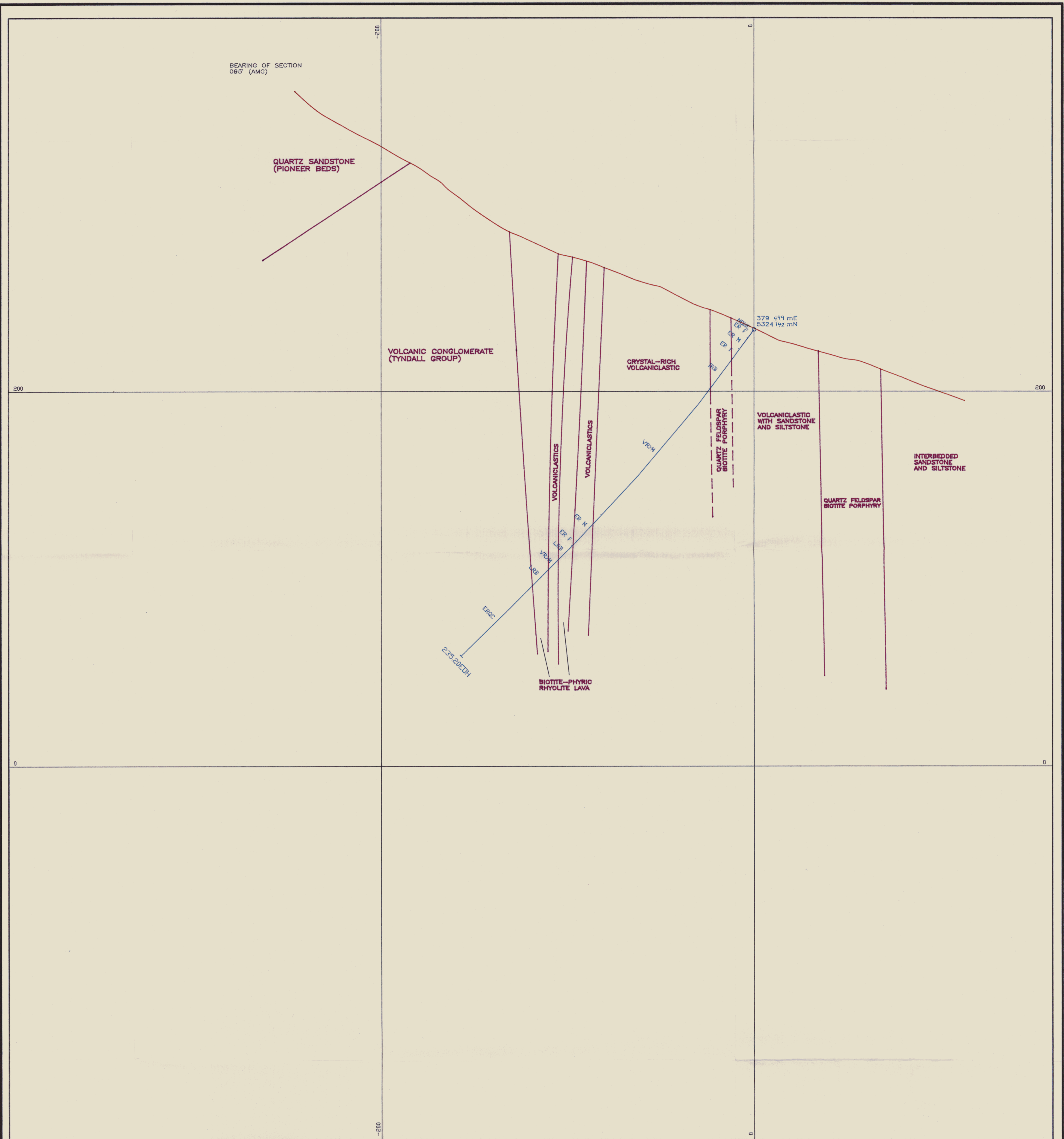
CHLORITE-SERICITE-PYRITE ALTERATION ZONE

95-3721.

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| DRAWN                               | M. WALTER |                                         |
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DOWNHOLE GEOLOGY LEGEND

| TYPE                   | COMPOSITION    | CRYSTAL TYPE                 | GRAINSIZE              |
|------------------------|----------------|------------------------------|------------------------|
| U - Volcanic (general) | R - Rhyolite   | A - Aphyric                  | B - Breccia            |
| V - Volcaniclastic     | Y - Rhyodacite | F - Feldspar phytic          | C - Coarse             |
| E - Epiclastic         | D - Dacite     | < - Feldspar - quartz phytic | M - Medium (Sandy)     |
| L - Lava               | A - Andesite   | > - Quartz - feldspar phytic | F - Fine (Silty)       |
| I - Intrusive          | B - Basaltic   | Q - Quartz phytic            | V - Very fine (Shaley) |
| P - Porphyry           | F - Felsic     | H - Hornblende phytic        | A - Ashy               |
|                        | M - Mafic      | P - Pyroxene phytic          | / - Undifferentiated   |
|                        | U - Ultramafic | B - Biotite phytic           | X - Crystal rich       |
|                        |                | V - Vitric/glassy            |                        |
|                        |                | L - Lithic rich              |                        |

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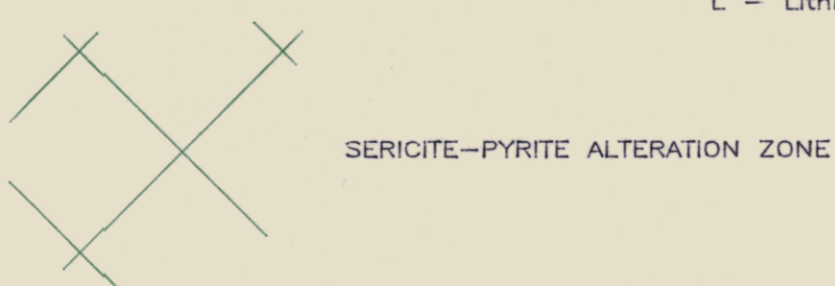
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| DRAWN                        | M. WALTER | <b>DRILLHOLE GEOLOGY INTERPRETATION</b><br><b>GAR005</b> |  |
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95-3721.

DOWNHOLE GEOLOGY LEGEND

| TYPE                   | COMPOSITION    | CRYSTAL TYPE                  | GRAINSIZE              |
|------------------------|----------------|-------------------------------|------------------------|
| U - Volcanic (general) | R - Rhyolite   | A - Aphyric                   | B - Breccia            |
| V - Volcaniclastic     | Y - Rhyodacite | F - Feldspar phyrlic          | C - Coarae             |
| E - Epiclastic         | D - Dacite     | < - Feldspar - quartz phyrlic | M - Medium (Sandy)     |
| L - Lava               | A - Andesite   | > - Quartz - feldspar phyrlic | F - Fine (Silty)       |
| I - Intrusive          | B - Basaltic   | Q - Quartz phyrlic            | V - Very fine (Shaley) |
| P - Porphyry           | F - Felsic     | H - Hornblende phyrlic        | A - Ashy               |
|                        | M - Mafic      | P - Pyroxene phyrlic          | / - Undifferentiated   |
|                        | U - Ultramafic | B - Biotite phyrlic           | X - Crystal rich       |
|                        |                | V - Vitric/glassy             |                        |
|                        |                | L - Lithic rich               |                        |



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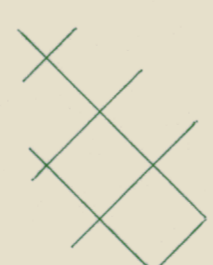
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DOWNHOLE GEOLOGY LEGEND

| TYPE                   | COMPOSITION    | CRYSTAL TYPE                  | GRAIN SIZE             |
|------------------------|----------------|-------------------------------|------------------------|
| U - Volcanic (general) | R - Rhyolite   | A - Aphyric                   | B - Breccia            |
| V - Volcaniclastic     | Y - Rhyodacite | F - Feldspar phyrlic          | C - Coarse             |
| E - Epilastic          | D - Dacite     | < - Feldspar - quartz phyrlic | M - Medium (Sandy)     |
| L - Lava               | A - Andesite   | > - Quartz - feldspar phyrlic | F - Fine (Silty)       |
| I - Intrusive          | B - Basaltic   | Q - Quartz phyrlic            | V - Very fine (Shaley) |
| P - Porphyry           | F - Felsic     | H - Hornblende phyrlic        | A - Aaly               |
|                        | M - Mafic      | P - Pyroxene phyrlic          | / - Undifferentiated   |
|                        | U - Ultramafic | B - Biotite phyrlic           | X - Crystal rich       |
|                        |                | V - Vitric/glassy             |                        |
|                        |                | L - Lithic rich               |                        |

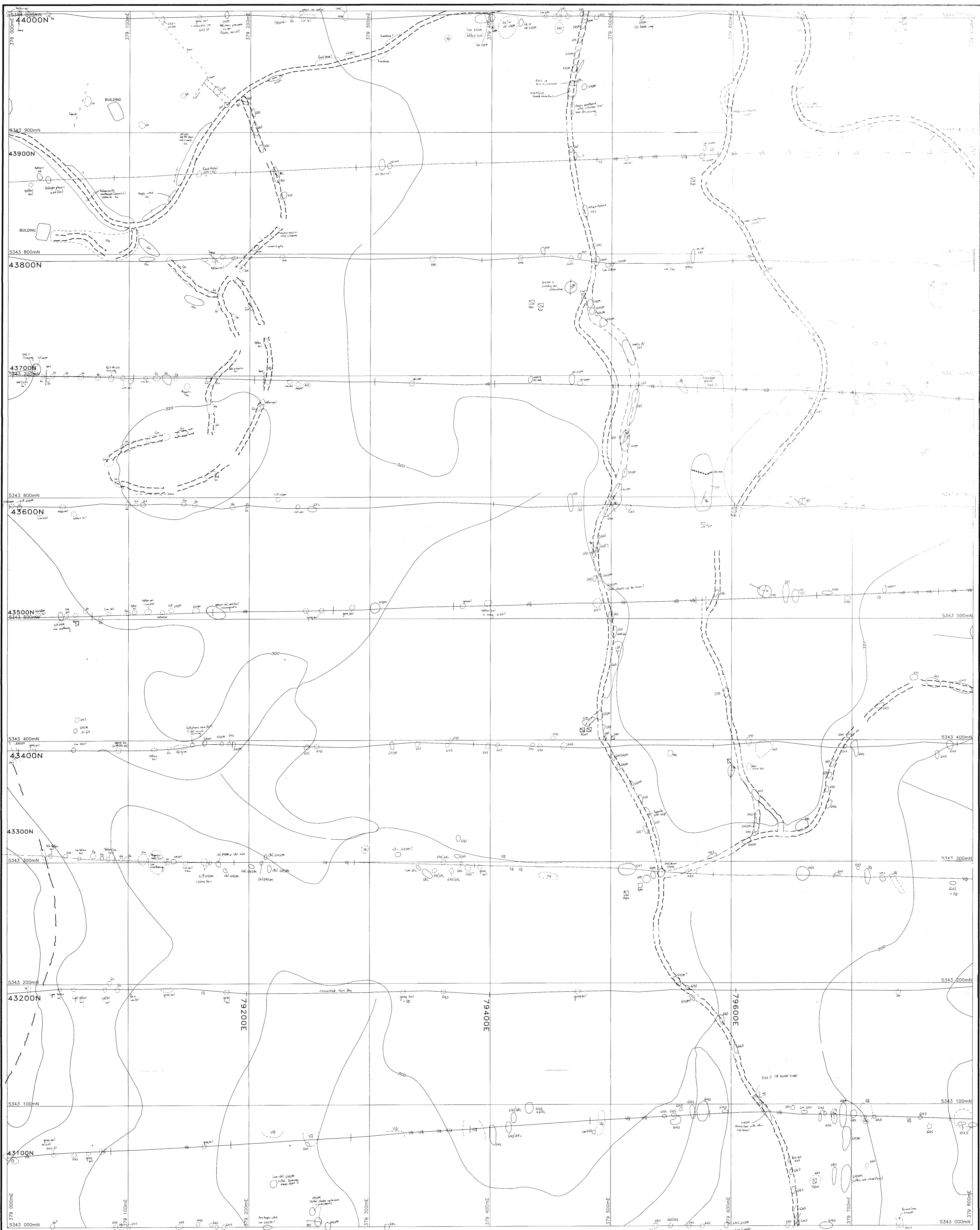


PYRITIC ALTERATION

95-3721J

806233

| RGC EXPLORATION PTY. LIMITED |           |                                                         |        |
|------------------------------|-----------|---------------------------------------------------------|--------|
| COMPILED                     | S. HALLEY | WEST SEDGWICK AREA E.L. 102/87                          |        |
| DRAWN                        | M. WALTER | <b>DRILLHOLE GEOLOGY INTERPRETATION</b><br><b>WS008</b> |        |
| DATE                         | MAR. 1995 |                                                         |        |
| CHECKED                      |           |                                                         |        |
| 1:25000 REF.                 |           |                                                         |        |
| DRAWING ID                   | 8532/198  |                                                         |        |
| FILENAME                     | WS008     |                                                         |        |
| WS008                        |           |                                                         |        |
|                              |           | SCALE 1:1000                                            | PLAN 7 |



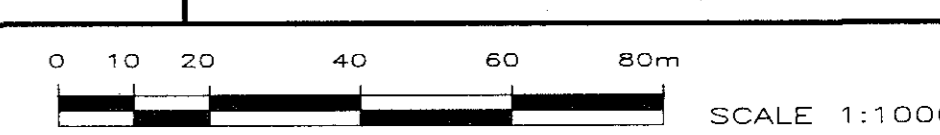
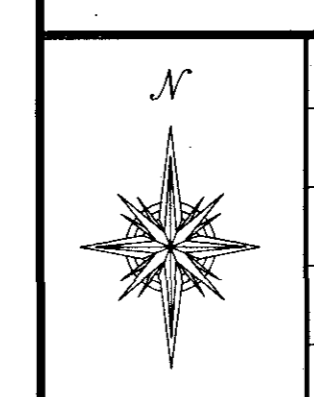
SHEET LAYOUT

|         |   |
|---------|---|
| SHEET 1 | ■ |
| SHEET 2 | □ |
| SHEET 3 | □ |
| SHEET 4 | □ |
| SHEET 5 | □ |

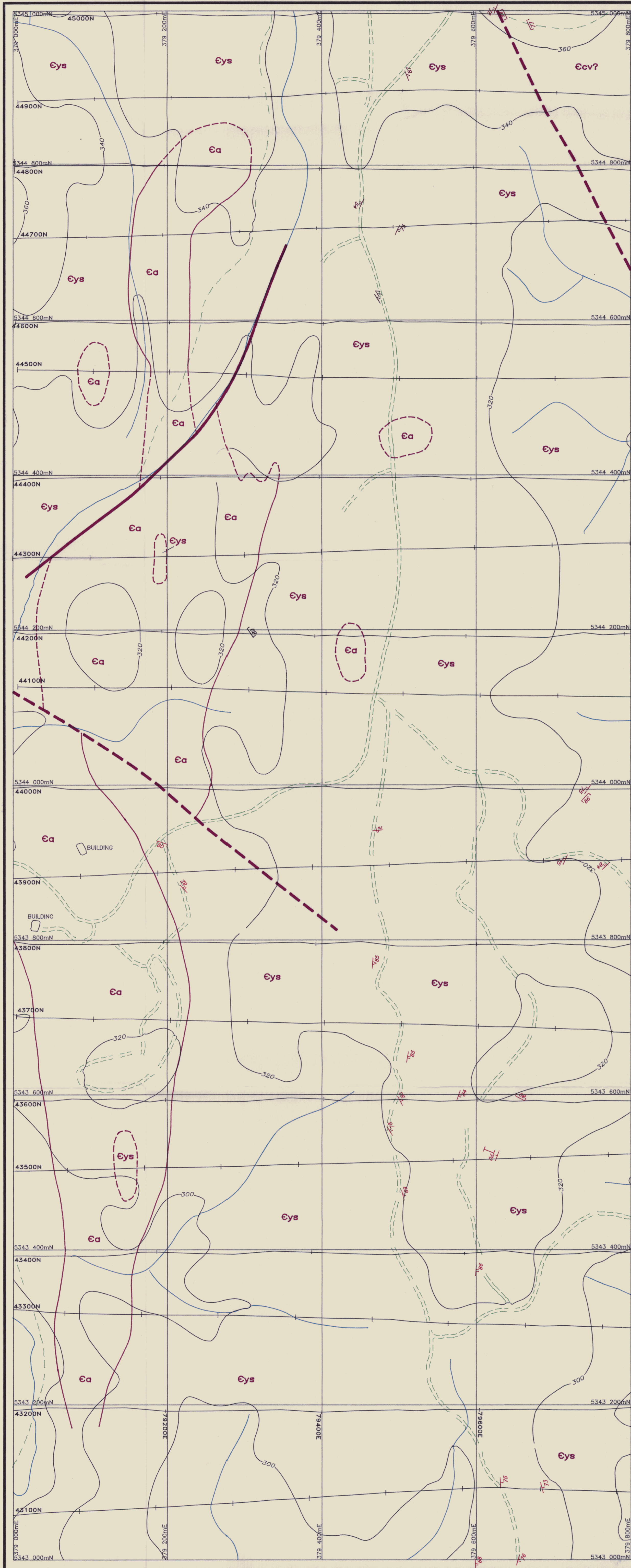
95-3721

806234

| RGC EXPLORATION PTY. LIMITED  |           |
|-------------------------------|-----------|
| GEOLOGIST                     | M. VICARY |
| DRAWN                         | M. WALTER |
| DATE                          | JULY 1994 |
| CHECKED                       |           |
| 1:25000 REF.                  |           |
| PENGHANA PROSPECT E.L. 102/87 |           |
| <b>FACT. GEOLOGY</b>          |           |
| 50m                           |           |
| SHEET 2 of 2                  |           |
| SCALE 1:1000                  |           |



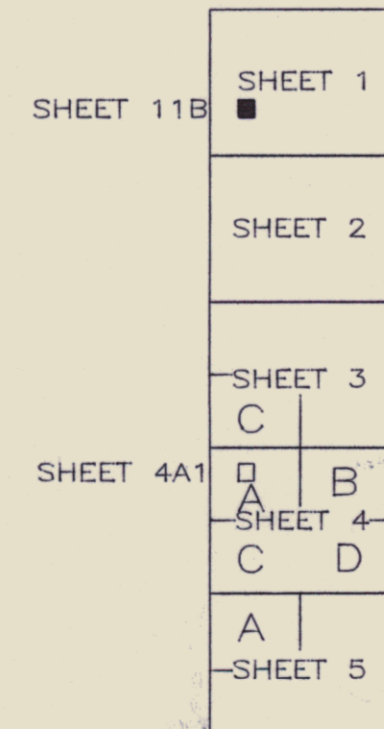
PENGHANA



**LEGEND**

- Ea ANDESITE
- Eys YOLANDE RIVER SEQUENCE  
-Interbedded ashy volcanoclastic siltstone and medium-coarse grained feldspathic volcanoclastic sandstone.
- Ecv? FELDSPAR PHYRIC LAVA WITH MINOR UNITS OF ASHY VOLCANICLASTIC SILTSTONE
- GEOLOGY BOUNDARY, ACCURATE
- - - GEOLOGY BOUNDARY, INFERRED
- FAULT, ACCURATE
- - - FAULT, INFERRED
- T<sub>84</sub> BEDDING, NO FACING
- T<sub>70</sub> BEDDING, FACING KNOWN
- T<sub>85</sub> COMPOSITIONAL BANDING
- C<sub>80</sub> OVERTURNED BEDDING
- C<sub>80</sub> CLEAVAGE

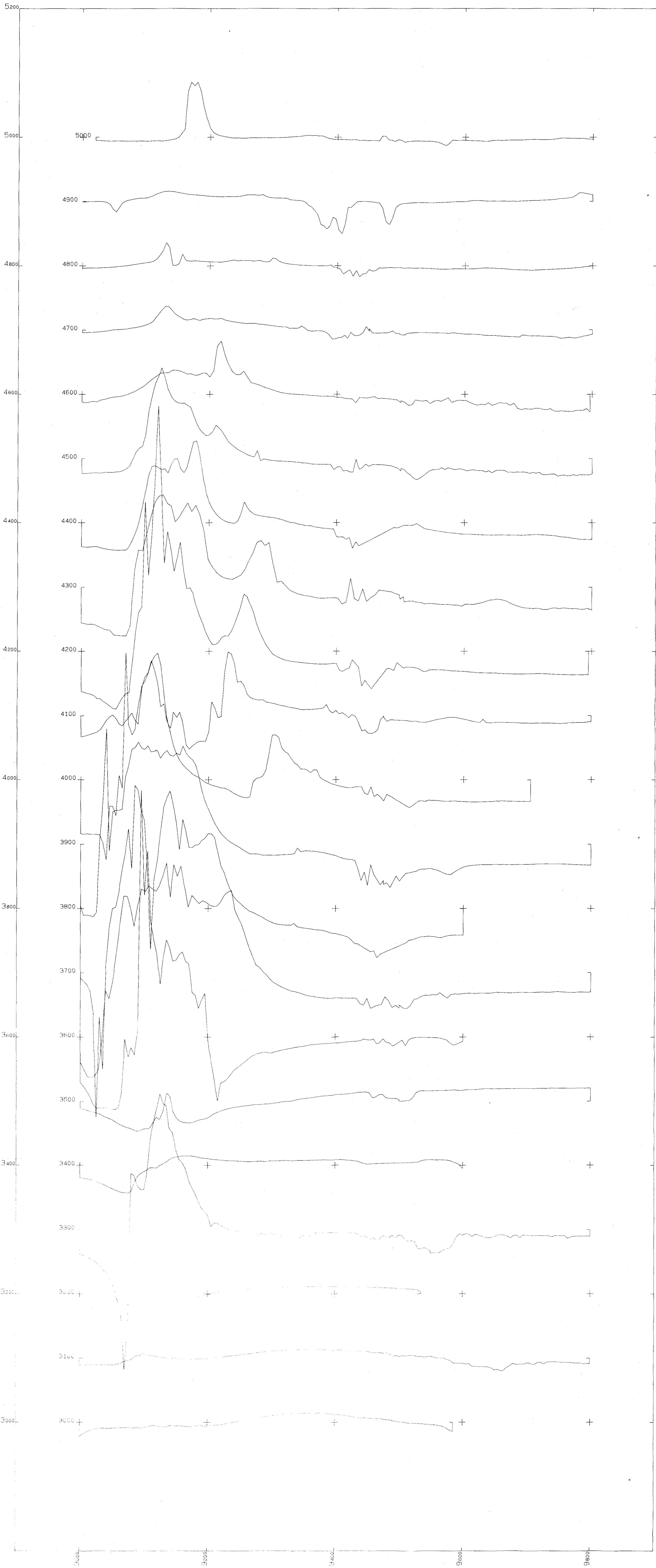
**SHEET LAYOUT**



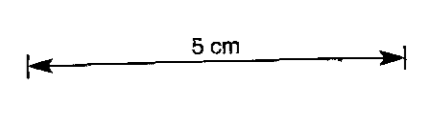
95-3721.

806235

|                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |                               |          |       |           |      |           |                      |          |              |  |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------|-------|-----------|------|-----------|----------------------|----------|--------------|--|-----------------------------------------------------|
| <b>RGC EXPLORATION PTY. LIMITED</b>                                                                                                                     |                                                                                                                                                                                                                                                                                                | PENGHANA PROSPECT E.L. 102/87 |          |       |           |      |           |                      |          |              |  |                                                     |
|                                                                                                                                                         | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>GEOLOGIST</td><td>M.VICARY</td></tr> <tr><td>DRAWN</td><td>M. WALTER</td></tr> <tr><td>DATE</td><td>NOV. 1994</td></tr> <tr><td>CHECKED</td><td>M.VICARY</td></tr> <tr><td>1:25000 REF.</td><td></td></tr> </table> | GEOLOGIST                     | M.VICARY | DRAWN | M. WALTER | DATE | NOV. 1994 | CHECKED              | M.VICARY | 1:25000 REF. |  | <p><b>GEOLOGICAL INTERPRETATION</b></p> <p>5 cm</p> |
| GEOLOGIST                                                                                                                                               | M.VICARY                                                                                                                                                                                                                                                                                       |                               |          |       |           |      |           |                      |          |              |  |                                                     |
| DRAWN                                                                                                                                                   | M. WALTER                                                                                                                                                                                                                                                                                      |                               |          |       |           |      |           |                      |          |              |  |                                                     |
| DATE                                                                                                                                                    | NOV. 1994                                                                                                                                                                                                                                                                                      |                               |          |       |           |      |           |                      |          |              |  |                                                     |
| CHECKED                                                                                                                                                 | M.VICARY                                                                                                                                                                                                                                                                                       |                               |          |       |           |      |           |                      |          |              |  |                                                     |
| 1:25000 REF.                                                                                                                                            |                                                                                                                                                                                                                                                                                                |                               |          |       |           |      |           |                      |          |              |  |                                                     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>0</td><td>10</td><td>20</td><td>40</td><td>60</td><td>80m</td></tr> </table> |                                                                                                                                                                                                                                                                                                | 0                             | 10       | 20    | 40        | 60   | 80m       | SCALE 1:2500 PLAN 10 |          |              |  |                                                     |
| 0                                                                                                                                                       | 10                                                                                                                                                                                                                                                                                             | 20                            | 40       | 60    | 80m       |      |           |                      |          |              |  |                                                     |
| <small>DRAWING ID: 5532/192<br/>FILENAME: PGANA25</small>                                                                                               |                                                                                                                                                                                                                                                                                                |                               |          |       |           |      |           |                      |          |              |  |                                                     |



**95-3721**



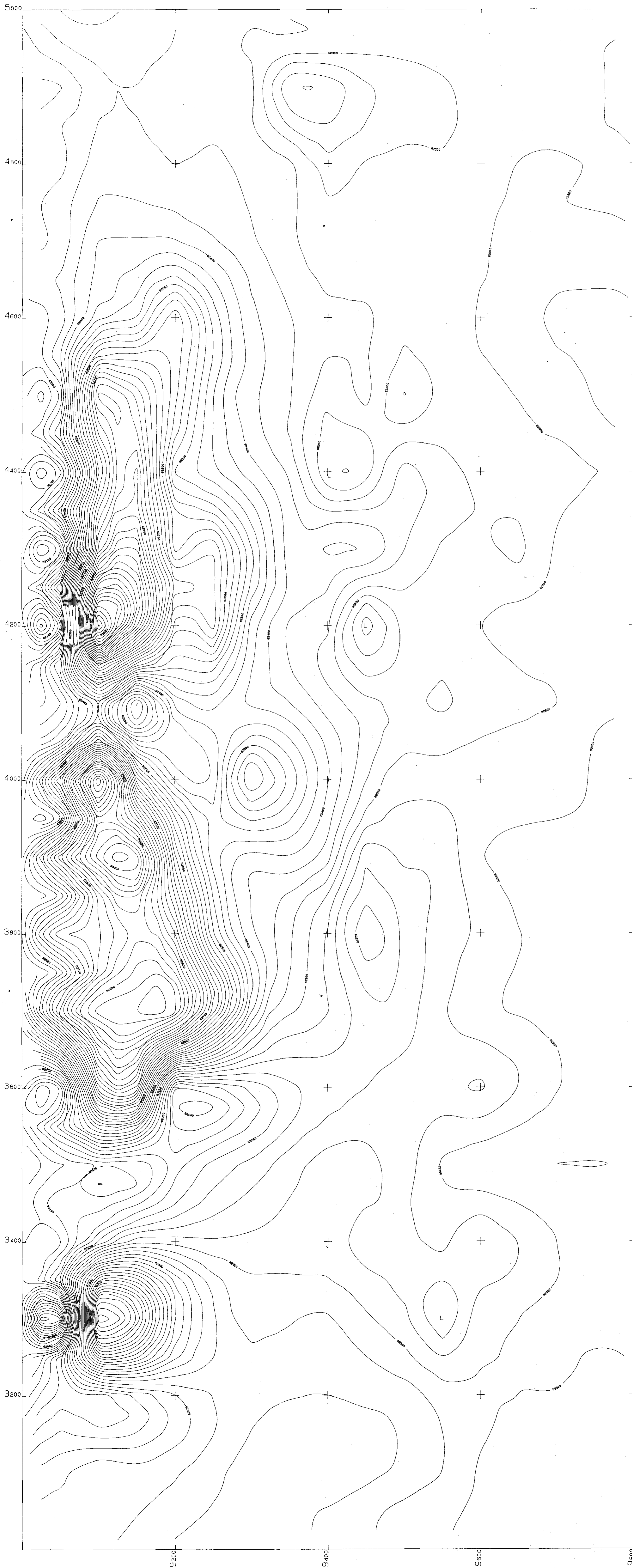
SCALE  
1:2500

806236

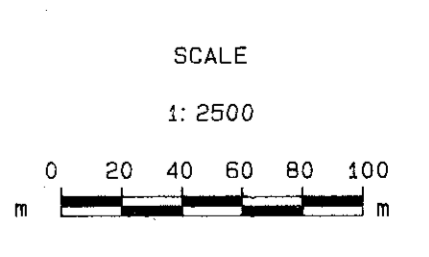
RGC EXPLORATION PTY LIMITED

PENGHANA PROSPECT, TASMANIA  
GROUND MAGNETICS DATA  
Stacked Profiles of  
TOTAL MAGNETIC INTENSITY  
Vertical Scale : 1cm = 100nT  
PLAN II

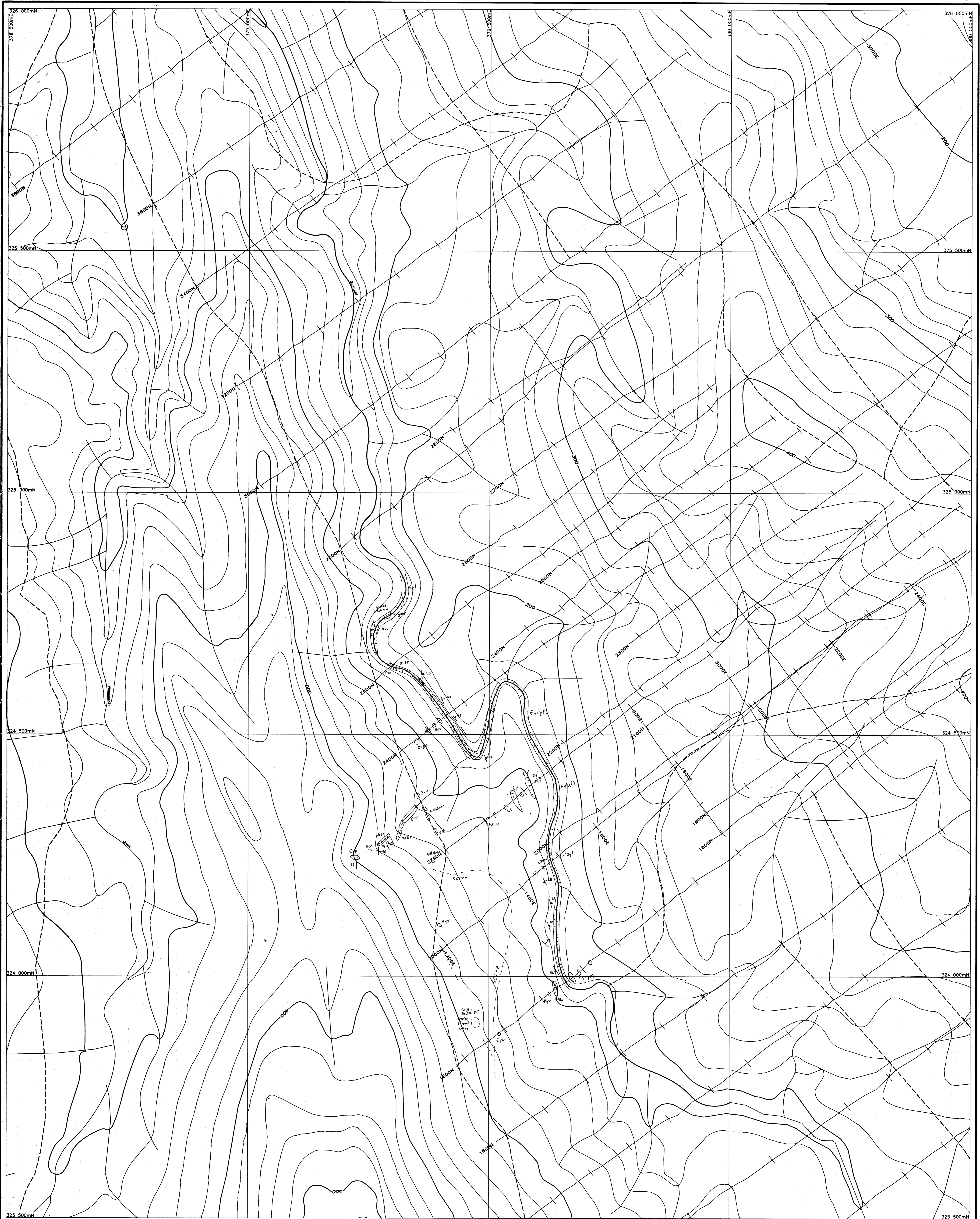
Compiled by: Date: 12 Apr 1994  
Drawn by: Drawing No.: 5532/95



**95-3721**

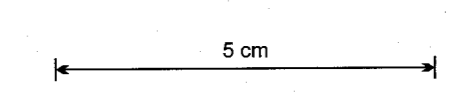


|                                                                                                                                                         |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 806237                                                                                                                                                  |                      |
| RGC EXPLORATION PTY LIMITED                                                                                                                             |                      |
| PENGHANA PROSPECT, TASMANIA<br>GROUND MAGNETICS DATA<br>Contours of<br>TOTAL MAGNETIC INTENSITY<br>Unlocated Data : Contour Int. 25nT<br><b>PLAN 12</b> |                      |
| Compiled by:                                                                                                                                            | Date: 12 Apr 1994    |
| Drawn by:                                                                                                                                               | Drawing No.: 5532/76 |

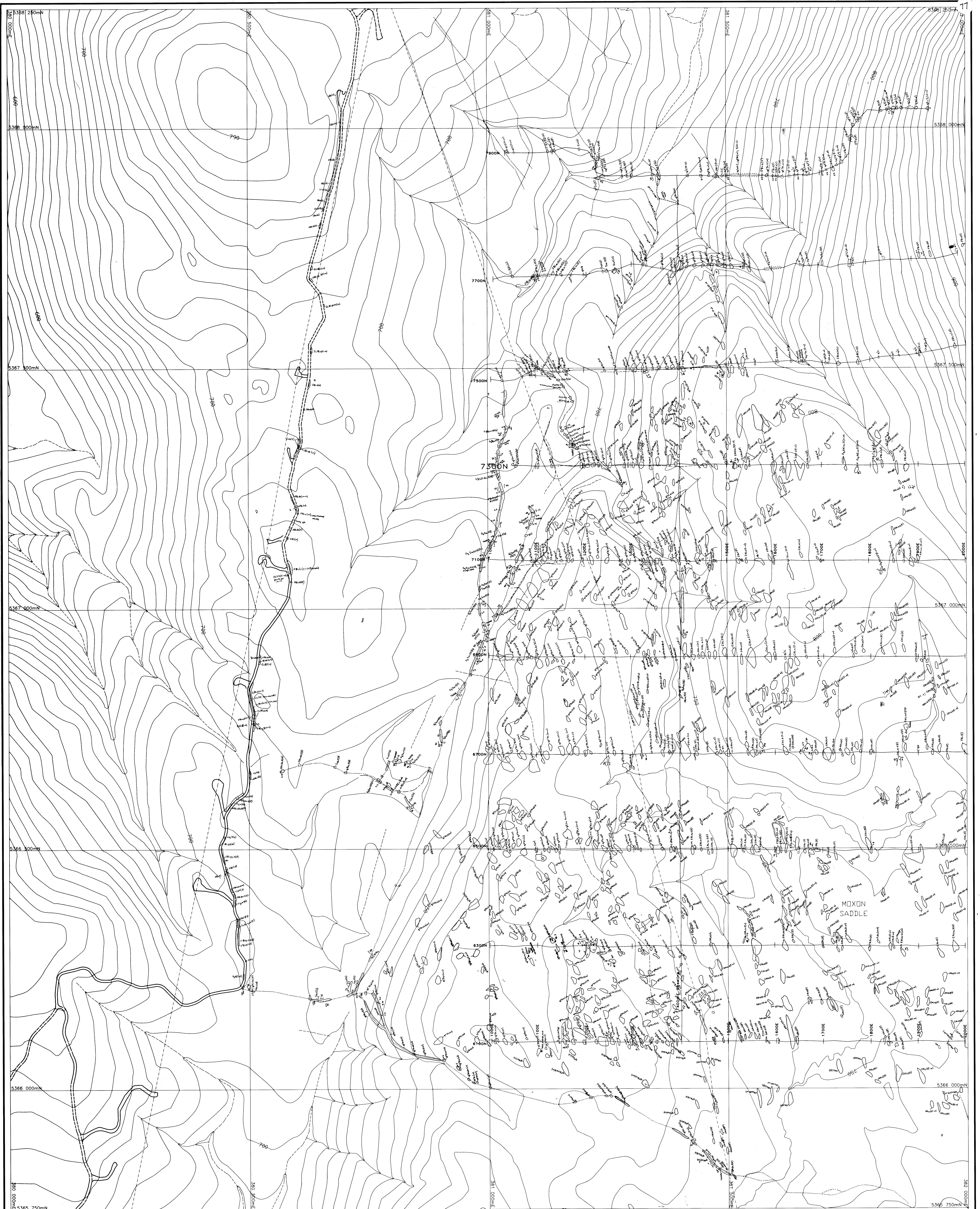


SHEET LAYOUT

|         |
|---------|
| SHEET 1 |
| SHEET 2 |
| SHEET 3 |
| SHEET 4 |
| SHEET 5 |



|                                            |                                       |
|--------------------------------------------|---------------------------------------|
| <b>RGC EXPLORATION PTY. LIMITED</b>        |                                       |
| GEOLOGIST S. HALLEY                        | GARFIELD PROSPECT E.L. 102/87 & 55/89 |
| DRAWN M. WALTER                            | <b>FACT. GEOLOGY</b>                  |
| DATE JUNE 1984                             |                                       |
| CHECKED                                    |                                       |
| 1:25000                                    |                                       |
| REF.                                       |                                       |
| DRAWING ID: 5532/185<br>FILENAME: GARF4-25 | SCALE 1:2500                          |

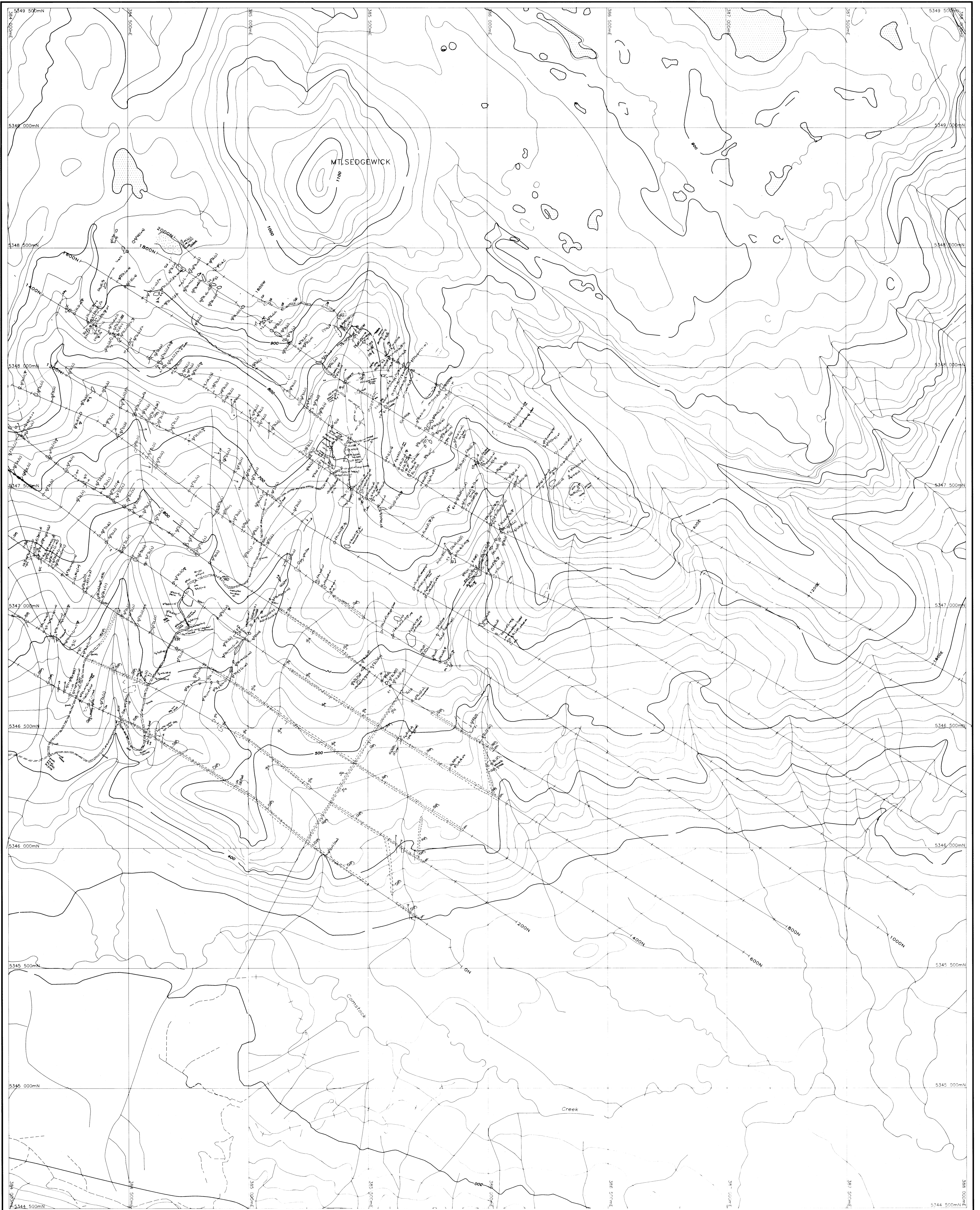


**Legend**

| minerals           | MODAL MINERALOGY COMPOSITION (M.C.S.) | quartz abundance | alteration                         | stages of alteration                               |
|--------------------|---------------------------------------|------------------|------------------------------------|----------------------------------------------------|
| quartz: q          | Q - rhyolitic                         | Q > 10%          | Alteration: 1. chloritized         | 1. moderately altered                              |
| f: feldspar        | D - dacitic                           | Q > 10%          | 2. chloritized                     | 2. slightly altered                                |
| l: lava clasts     | A - andesitic                         | Q 1-10%          | 3. kaolinized                      | 3. very altered                                    |
| b: biotite         | B - basaltic                          | Q 1-10%          | 4. kaolinized                      | 4. intensely altered                               |
| h: hornblende      |                                       | Q 0%             | 5. oxidized                        | 5. unaltered                                       |
| m: mica            |                                       |                  | 6. weakly foliated to S. schistose | 6. unaltered                                       |
| c: chlorite        |                                       |                  | Granitoid: (G) - fine, < 5mm       | 7. well sorted                                     |
| cl: chlorite clast |                                       |                  | (M) - medium, 5-10mm               | (M-2) - moderately well sorted                     |
| sk: sand clast     |                                       |                  | (C) - coarse, > 15mm               | (C-2) - poorly sorted                              |
|                    |                                       |                  | (S) - silty                        |                                                    |
|                    |                                       |                  | (V) - very fine (< 5mm)            | structure of rock: 1. thin & 2. poor @ old working |
|                    |                                       |                  | (U) - very coarse (pbb. clasts)    |                                                    |

50m

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>RGX EXPLORATION PTY. LIMITED</b> |                                   |
| GEOLOGIST: D. BOYD                  | E.L. 102/87 MOXON SADDLE PROSPECT |
| DRAWN: M. WALTER                    | <b>FACTORY GEOLOGY</b>            |
| DATE: MAR. 1994                     |                                   |
| CHECKED:                            |                                   |
| REP: 1:25000                        |                                   |
| DRAWING ID: 5532/173                |                                   |
| FILENAME: MOXON                     |                                   |
| SCALE: 1:2500                       | Plan 6                            |



**Legend**

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                            |                                                                                                                                                                                                 |                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <p><b>minerals:</b></p> <ul style="list-style-type: none"> <li>Q: quartz</li> <li>F: feldspar</li> <li>L: lava clasts</li> <li>W: white</li> <li>H: hornblende</li> <li>M: mica</li> <li>C: chlorite</li> <li>Cl: white clay</li> <li>Sh: shale clay</li> </ul> | <p><b>MODAL MINERALOGY COMPOSITION (E.U.G.S)</b></p> <ul style="list-style-type: none"> <li>Q: rhyolitic</li> <li>D: dacitic</li> <li>A: andesitic</li> <li>B: basaltic</li> </ul>                                                                              | <p><b>quartz abundance</b></p> <ul style="list-style-type: none"> <li>Q &gt; 10%</li> <li>Q 1-10%</li> <li>Q 0-1%</li> <li>Q 0%</li> </ul>                   | <p><b>alteration &amp; sericitised</b></p> <ul style="list-style-type: none"> <li>C: chloritised</li> <li>K: kaolinised</li> <li>F: Fe-oxidised</li> </ul> | <p><b>degree of alteration</b></p> <ul style="list-style-type: none"> <li>1: moderate alteration</li> <li>2: original altered</li> <li>3: very altered</li> <li>4: intensely altered</li> </ul> | <p><b>working status</b></p> <ul style="list-style-type: none"> <li>W: working</li> <li>U: unworked</li> </ul> |
| <p><b>METHOD OF EMPLACEMENT</b></p> <ul style="list-style-type: none"> <li>E: epiphytic</li> <li>V: volcanoclastic</li> <li>L: lava</li> <li>I: intrusive</li> <li>S: sedimentary</li> </ul>                                                                    | <p><b>Grain size</b></p> <ul style="list-style-type: none"> <li>(F): fine, &lt; 1mm</li> <li>(M): medium, 2-10mm</li> <li>(C): coarse, &gt; 5mm</li> <li>(S): silty</li> <li>(V): very fine (&lt; 5mm)</li> <li>(V2): very coarse (pebbles - coarse)</li> </ul> | <p><b>sorting (S)(M)(C) well sorted</b></p> <ul style="list-style-type: none"> <li>(S)(M)(C) moderately well sorted</li> <li>(S)(C) poorly sorted</li> </ul> | <p><b>Foliation:</b> 1: weakly foliated to S; schistose</p>                                                                                                |                                                                                                                                                                                                 |                                                                                                                |

|         |          |
|---------|----------|
| SHEET 1 | SHEET 10 |
| SHEET 2 |          |
| SHEET 3 |          |
| SHEET 4 |          |
| SHEET 5 |          |

50m

**RGC EXPLORATION PTY. LIMITED**

E.L. 102/87 BEATRICE PROSPECT

**FACT. GEOLOGY**

|                                                      |                                                                                                              |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                                                      | <p>GEOLYST: D. BRYD</p> <p>DRAWN: M. WALTER</p> <p>DATE: MARCH 94</p> <p>CHECKED: J. STENNIS</p> <p>REV:</p> |
| <p>DRAWING NO: 5532/174</p> <p>FILENAME: GART 18</p> | <p>0 50 100 200 300 400m</p> <p>SCALE 1:5000</p>                                                             |

5532/174

BEATRICE  
FACT G.E.G.