



97-3983

ANNUAL REPORT - ELS 102/87,55/89,12/92
RGC EXPL. - JOYCE,VICARY,GREGORY

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315001

ANNUAL REPORT 1990/97
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FICHE No. 014294-96

TASMANIAN BASE METALS

ELS 102/87, 55/89 AND 12/92

"Queenstown", "Mt Darwin" &
"Queenstown South"

Vol 1 of 1
Text and Appendices

MINERAL RESOURCES
5 - MAR 1997
TASMANIA

HELD BY: BHP Minerals

MANAGER & OPERATOR: RGC Exploration

97-3983

ANNUAL REPORT - ELS 102/87,55/89,12/92
RGC EXPL. - JOYCE,VICARY,GREGORY

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27 February, 1997

PROSPECTS: Garfield, Slate Spur, Beatrice, Moxon Saddle

MAP SHEETS: 1:100,000: Franklin, Sophia

GEOGRAPHIC COORDS Min East: 3750000mE Max East: 387000mE
 Min North: 5320000mN Max North: 5368000mN

COMMODITY(s): Cu, Pb, Zn, Au, Ag

KEY WORDS: Cu-Au Mineralization, Western Tasmania

Distribution:

- o RGC Exploration Information Centre Reference:
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- o BHP Minerals

MINERAL RESOURCES
- 5 MAR 1997

EL 55/89 See folio 61
EL 12/92 See folio 11
EL 102/87 See folio 43

SUMMARY

315002

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 Slate Spur. 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 is 130 sq kms.

An infill soil sampling was completed at Slate Spur where the target is the possible seafloor position equivalent to the top of the Garfield Cu-system. The survey failed to produce any anomalies worthy of additional followup.

At the Beatrice Prospect diamond drillhole MS6 was drilled to test a prospective shale horizon to the south of existing drilling and adjacent to interpreted synvolcanic structure. Based on poor assay results and the absence of encouraging alteration no further work is recommended for this portion of the Beatrice Prospect. A reinterpretation of the prospect geology was completed. The interpretation shows a broad asymmetric fold with a north-south trending axis. Interpretation shows the continuation of the prospective horizon on the western limb of the broad syncline which forms part of this fold.

A diamond drill hole is in progress at Moxon Saddle.

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315004

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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.

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 this area for Rosebery-style VMS mineralisation. The exploration approach which has been applied involves detailed geological mapping in an attempt to identify 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.

This report documents the work completed by RGC during the period March 1996 to February 1997.

2. LAND TENURE

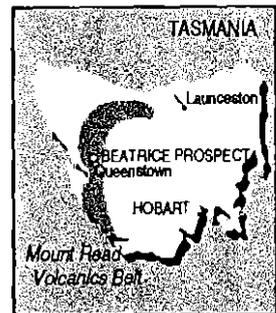
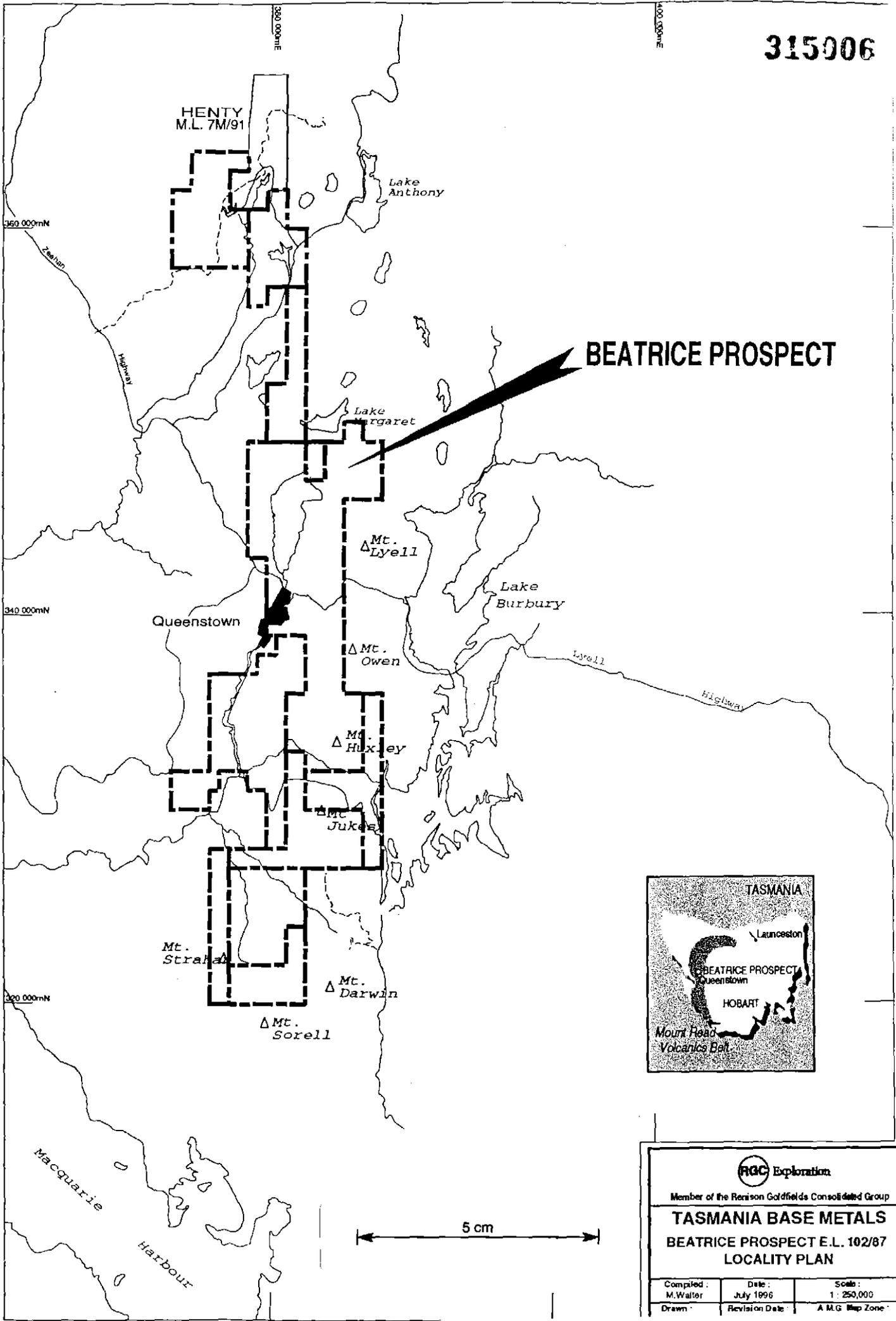
E.L. 102/87 - **Queenstown** was granted to BHPM on 22nd April, 1988. The tenement initially covered 95 sq kms in three separate parts (Figure 1)

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 currently covers 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 covers 78 sq kms and links Parts (i) and (ii) of E.L. 102/87 (Figure 1) resulting in a continuous

315006



RGC Exploration
Member of the Resicon Goldfields Consolidated Group

TASMANIA BASE METALS
BEATRICE PROSPECT E.L. 102/87
LOCALITY PLAN

Completed: M. Walter	Date: July 1996	Scale: 1 : 250,000
Drawn:	Revision Date:	A.M.G. Map Zone:

exposure of Mt Read Volcanics over a strike length of 14 sq 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).

E.L. 12/92 - **South Queenstown** was granted to RGC on 12th October 1992. This tenement formed 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.

Following the partial relinquishment in 1995 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 Previous Work

Previous exploration work completed by BHP is summarised by Cameron and Read (1991). The work completed by RGC since entering the joint venture is documented by Halley (1992), Halley (1993), Halley (1994), Halley, Vicary and Boyd (1995) and Halley, Vicary, Corlett and Wyman (1996). The most significant outcome of this work was the discovery of the Garfield Prospect, a Prince Lyell style of disseminated and veinlet Cu-Au mineralisation.

3.2 1996/97 Field Season

- | | |
|----------------------|--|
| a) Slate Spur area | A soil sampling program was completed. |
| b) Beatrice | A 287m diamond drill hole was completed and additional geological mapping at 1:5000 scale performed. |
| c) Moxon Saddle | A diamond drill hole MX001 is currently being drilled. |
| d) Garfield Prospect | Sam Duncan commenced an Honours Project on the Garfield Prospect at the University of Tasmania in February 1997. |

4. RESULTS AND DISCUSSION

4.1 Slate Spur Area

Figure 2 shows the Cu, Pb, and Zn distribution in the Garfield and Clarke Valley areas. The Garfield Prospect is quite obvious on the Cu map. Isotope studies at the Garfield Prospect show that the alteration system was sea water dominated and hence the seafloor position above the Cu-Au mineralisation should have the potential for Rosebery style Pb - Zn mineralisation. Two low order Pb and Zn anomalies are located along strike from the Garfield mineralisation at approximately 5326000 mN (Flannigans Flats) and 5321000 mN (Slate Spur). Both these anomalies occur in the hanging wall of the Garfield Prospect and may represent an associated phase of seafloor mineralisation. To investigate the Pb - Zn anomaly at Slate Spur an initial soil sampling program and mapping program was coordinated in late 1995 (Halley, Vicary, Corlett and Wyman (1996)). The soil sampling program was concluded in early 1996.

The results for the infill soil sampling program at Slate Spur are presented in Appendix 1. Sample locations are shown on Figure 3. In general the infill soil program reproduced the weak Pb - Zn anomalies but failed to highlight any zone worthy of additional exploration (Figures 4, 5 and 6). No further work at Slate Spur is warranted.

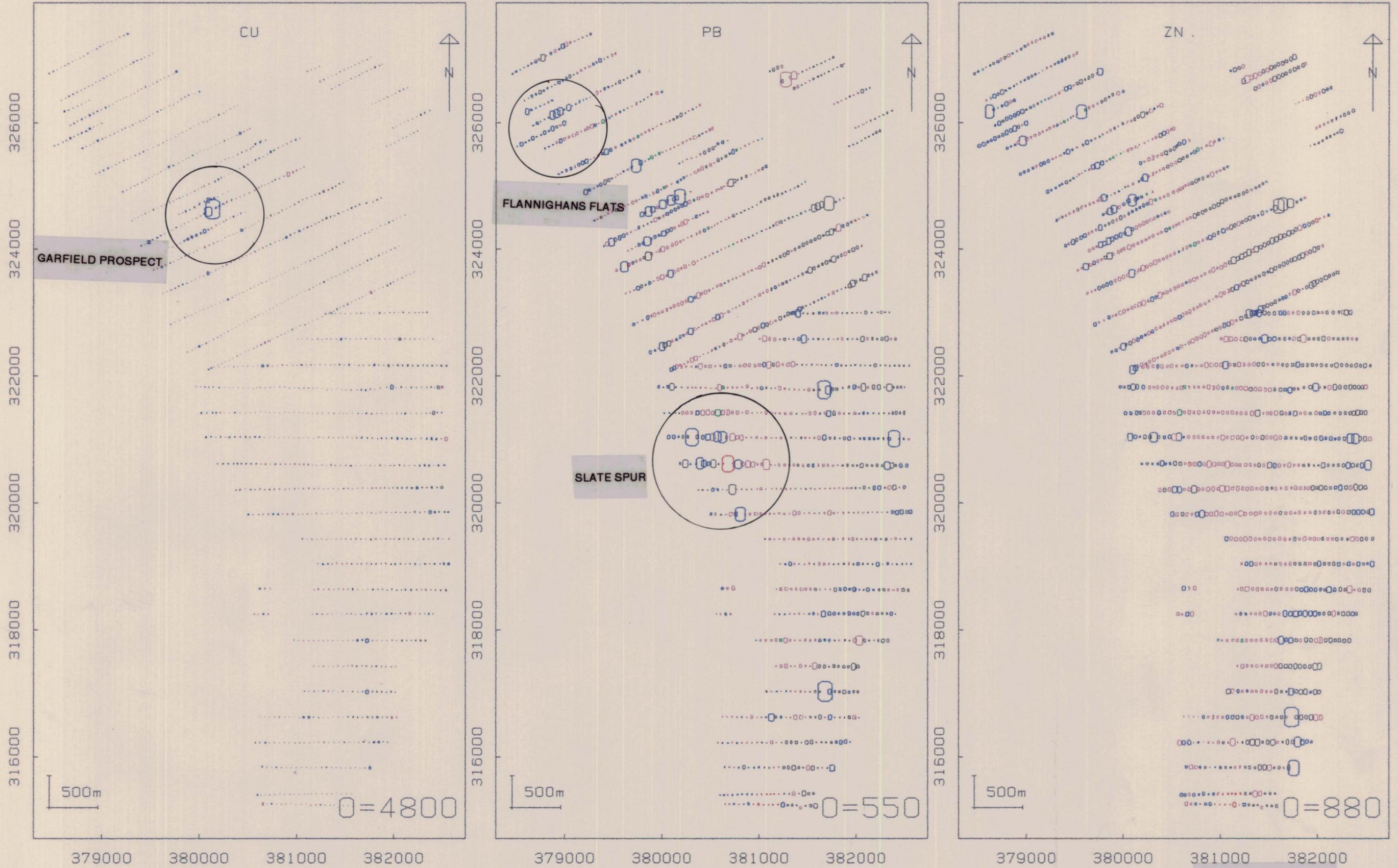


Figure 2

Cu,Pb,Zn distribution GARFIELD-CLARK VALLEY AREA

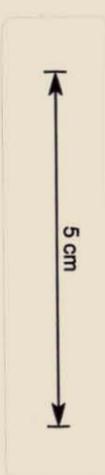
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5321500	381500								
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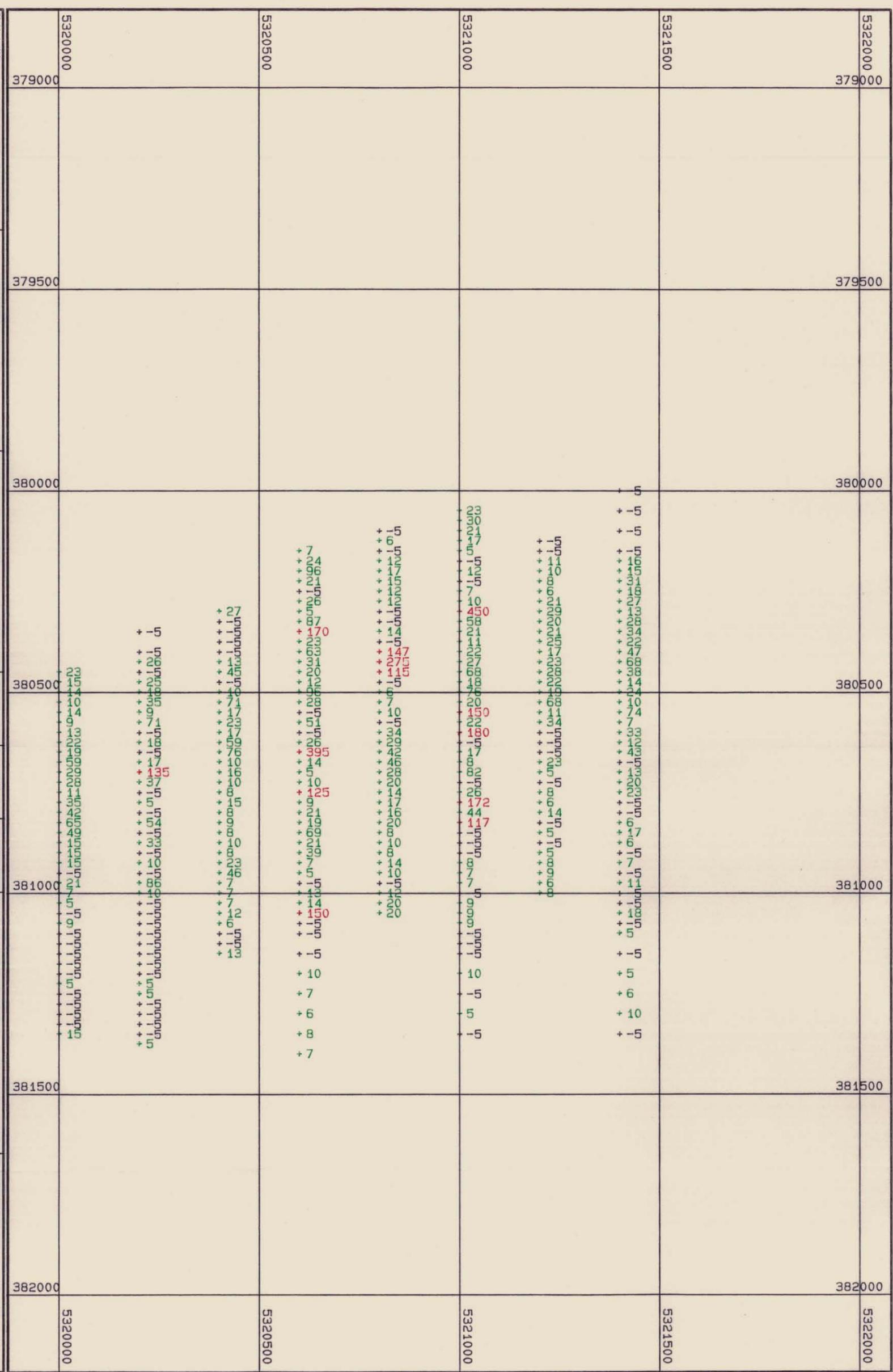
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SLATE SPUR INFILL SOILS
CU VALUES (PPM)

Figure 4



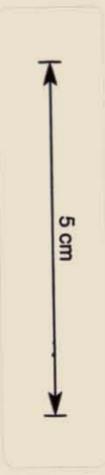



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SLATE SPUR INFILL SOILS
 PB VALUES (PPM)

Figure 5



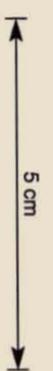
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5321500								5321500
5321000								5321000
5320500								5320500
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SLATE SPUR INFILL SOILS
 ZN VALUES (PPM)

Figure 6



4.2 Beatrice Prospect

At the Beatrice Prospect diamond drillhole MS6 was drilled to test a prospective shale horizon to the south of existing drilling and adjacent to interpreted synvolcanic structure. Based on poor assay results and the absence of encouraging alteration no further work is recommended for this portion of the Beatrice Prospect. A reinterpretation of the prospect geology was completed. The interpretation shows a broad asymmetric fold with a north-south trending axis. Interpretation shows the continuation of the prospective horizon on the western limb of the broad syncline which forms part of this fold.

The results of the drilling program at the Beatrice Prospect are presented in Appendix 2.

4.3 Moxon Saddle

Geophysical modelling of IP data conducted by BHP in 1990 over Moxon Saddle indicate a shallow steeply dipping conductor. A 450m deep diamond drill hole (MX001) has been planned with two aims in mind:-

- 1) to test the IP target near the surface, and
- 2) to gain information on Tyndall Group Stratigraphy north of Henty Gold Mine.

The hole is collared within Tyndall Group rocks on the western side of Moxon Saddle. Drilling is in progress.

5. CONCLUSION

A review of the exploration within EL's 102/87, 55/89 and 12/92 will be made within the next twelve months.

There is scope for further drilling on the Henty Horizon south of drill hole MX001, however future holes will be results dependent.

A DHEM Survey will be performed at Moxon Saddle.

6. REFERENCES

- Cameron, J. and Read J., 1991. Joint report on Exploration Licences 102/87 Queenstown and 55/89, Mt Darwin, N.W. Tasmania for the year ending 21st March 1991. BHP-UTAH.
- Halley, S.W., 1992. E.L.'s 102/87 & 55/89 Queenstown - Mt. Darwin area. Annual Report for the period April 1991 to March 1992.
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- Halley, S.W., Vicary, M.J., Corlett, S., and Wyman, B. 1996. E.L.'s 102/87, 55/89 & 12/92. "Queenstown", "Mt. Darwin" & "Queenstown South". Annual Report 1995/96

APPENDIX 1

Slate Spur Soil Geochemistry Results

Slate Spur Infill Soil Sampling Program												
(Note: Samples 39281 to 39922 from earlier program)												
Sample No.	Gnorth	Geast	Tnorth	Teast	Type	Project	Name	Cu	Pb	Zn	Ag	Au
36783	5312000	381350			SOIL	2310	GARFIELD	17	15	38	-2	-0.008
36784	5312000	381325			SOIL	2310	GARFIELD	-4	-5	24	-2	-0.008
36785	5312000	381300			SOIL	2310	GARFIELD	5	-5	28	-2	-0.008
36786	5312000	381275			SOIL	2310	GARFIELD	4	-5	26	-2	-0.008
36787	5312000	381250			SOIL	2310	GARFIELD	4	-5	20	-2	-0.008
36788	5312000	381225			SOIL	2310	GARFIELD	7	5	40	-2	-0.008
36789	5312000	381200			SOIL	2310	GARFIELD	7	-5	43	-2	-0.008
36790	5312000	381175			SOIL	2310	GARFIELD	6	-5	45	-2	-0.008
36791	5312000	381150			SOIL	2310	GARFIELD	4	-5	40	-2	-0.008
36792	5312000	381125			SOIL	2310	GARFIELD	8	-5	41	-2	-0.008
36793	5312000	381100			SOIL	2310	GARFIELD	6	-5	30	-2	-0.008
36794	5312000	381075			SOIL	2310	GARFIELD	6	9	47	-2	-0.008
36795	5312000	381050			SOIL	2310	GARFIELD	-4	-5	55	-2	-0.008
36796	5312000	381025			SOIL	2310	GARFIELD	4	5	33	-2	0.022
36797	5312000	381000			SOIL	2310	GARFIELD	13	7	25	-2	-0.008
36798	5312000	380975			SOIL	2310	GARFIELD	7	21	287	-2	-0.008
36799	5312000	380950			SOIL	2310	GARFIELD	65	-5	130	-2	-0.008
36800	5312000	380925			SOIL	2310	GARFIELD	6	15	46	-2	-0.008
39281	21400	81150	5321417	381173	SOIL	2310	GARFIELD	-4	-5	21	-2	
39282	21400	81100	5321425	381127	SOIL	2310	GARFIELD	-4	5	32	-2	
39283	21400	81050	5321426	381077	ROCKCHIP	2310	GARFIELD	-4	18	26	-2	
39284	21400	81000	5321428	381028	ROCKCHIP	2310	GARFIELD	-4	-5	38	-2	
39285	21400	80950	5321428	380982	ROCKCHIP	2310	GARFIELD	-4	-5	19	-2	
39286	21400	80900	5321426	380933	ROCKCHIP	2310	GARFIELD	-4	-5	22	-2	
39287	21400	80850	5321431	380881	ROCKCHIP	2310	GARFIELD	-4	17	30	-2	
39288	21400	80800	5321427	380833	ROCKCHIP	2310	GARFIELD	-4	-5	17	-2	
39289	21400	80750	5321426	380780	ROCKCHIP	2310	GARFIELD	-4	23	41	-2	
39290	21400	80700	5321425	380729	SOIL	2310	GARFIELD	-4	13	21	-2	
39291	21400	80650	5321428	380684	SOIL	2310	GARFIELD	-4	43	32	-2	
39292	21400	80600	5321428	380632	ROCKCHIP	2310	GARFIELD	-4	33	26	-2	
39293	21400	80550	5321425	380580	ROCKCHIP	2310	GARFIELD	-4	74	87	-2	
39294	21400	80500	5321420	380529	ROCKCHIP	2310	GARFIELD	-4	24	28	-2	
39295	21400	80450	5321426	380480	SOIL	2310	GARFIELD	-4	38	39	-2	
39296	21400	80400	5321425	380426	SOIL	2310	GARFIELD	-4	47	21	-2	
39297	21400	80350	5321423	380369	SOIL	2310	GARFIELD	8	34	46	-2	
39298	21400	80300	5321424	380313	ROCKCHIP	2310	GARFIELD	-4	13	26	-2	
39299	21400	80250	5321424	380263	ROCKCHIP	2310	GARFIELD	6	18	29	-2	
39364	21400	81200	5321415	381218	ROCKCHIP	2310	GARFIELD	6	5	25	-2	
39365	21400	81250	5321413	381269	SOIL	2310	GARFIELD	7	6	24	-2	
39366	21400	81300	5321414	381331	SOIL	2310	GARFIELD	7	10	58	-2	
39367	21400	81350	5321415	381387	SOIL	2310	GARFIELD	6	-5	110	-2	
39368	21400	81400	5321413	381447	ROCKCHIP	2310	GARFIELD	5	-5	9	-2	
39369	21400	81450	5321414	381487	ROCKCHIP	2310	GARFIELD	5	-5	27	-2	
39370	21400	81500	5321413	381525	SOIL	2310	GARFIELD	4	15	21	-2	
39371	21400	81550	5321415	381577	SOIL	2310	GARFIELD	5	21	57	-2	
39392	21000	81050	5321033	381075	ROCKCHIP	2310	GARFIELD	-4	9	20	-2	
39393	21000	81000	5321031	381027	ROCKCHIP	2310	GARFIELD	4	-5	62	-2	
39394	21000	80950	5321033	380979	ROCKCHIP	2310	GARFIELD	-4	7	17	-2	
39395	21000	80900	5321036	380925	ROCKCHIP	2310	GARFIELD	-4	-5	22	-2	
39396	21000	80850	5321035	380874	ROCKCHIP	2310	GARFIELD	-4	-5	19	-2	
39397	21000	80800	5321035	380825	ROCKCHIP	2310	GARFIELD	-4	44	22	-2	
39398	21000	80750	5321040	380778	SOIL	2310	GARFIELD	-4	26	20	-2	
39399	21000	80700	5321037	380733	SOIL	2310	GARFIELD	-4	82	21	-2	
39501	21000	80650	5321037	380672	SOIL	2310	GARFIELD	4	17	22	-2	
39502	21000	80600	5321040	380625	ROCKCHIP	2310	GARFIELD	8	180	10	-2	
39503	21000	80550	5321043	380576	SOIL	2310	GARFIELD	14	150	150	-2	
39504	21000	80500	5321038	380527	ROCKCHIP	2310	GARFIELD	10	76	110	-2	
39505	21000	80450	5321040	380480	SOIL	2310	GARFIELD	19	68	34	-2	
39506	21000	80400	5321039	380425	ROCKCHIP	2310	GARFIELD	12	22	29	-2	
39507	21000	80350	5321042	380368	SOIL	2310	GARFIELD	14	21	29	-2	
39508	21000	80300	5321038	380314	ROCKCHIP	2310	GARFIELD	18	450	260	-2	
39509	21000	80250	5321041	380272	ROCKCHIP	2310	GARFIELD	5	7	31	-2	
39510	21000	80200	5321044	380222	SOIL	2310	GARFIELD	7	12	43	-2	
39511	21000	80150	5321046	380173	ROCKCHIP	2310	GARFIELD	5	5	8	-2	
39512	21000	80100	5321044	380124	SOIL	2310	GARFIELD	15	21	37	-2	

Sample No.	Gnorth	Geast	Tnorth	Teast	Type	Project	Name	Cu	Pb	Zn	Ag	Au
39513	21000	80050	5321042	380072	SOIL	2310	GARFIELD	20	23	130	-2	
39514	20600	81200	5320598	381208	ROCKCHIP	2310	GARFIELD	5	10	27	-2	
39515	20600	81250	5320599	381266	ROCKCHIP	2310	GARFIELD	4	7	24	-2	
39516	20600	81300	5320598	381315	ROCKCHIP	2310	GARFIELD	4	6	20	-2	
39517	20600	81350	5320598	381360	SOIL	2310	GARFIELD	7	8	15	-2	
39518	20600	81400	5320597	381401	SOIL	2310	GARFIELD	5	7	40	-2	
39601	21400	80200	5321423	380219	SOIL	2310	GARFIELD	9	15	38	-2	
39602	21400	80150	5321422	380178	ROCKCHIP	2310	GARFIELD	9	-5	21	-2	
39603	21400	80100	5321422	380141	ROCKCHIP	2310	GARFIELD	9	-5	37	-2	
39604	21400	80050	5321418	380079	ROCKCHIP	2310	GARFIELD	7	-5	29	-2	
39605	21400	80000	5321419	380025	ROCKCHIP	2310	GARFIELD	7	-5	29	-2	
39606	21000	81100	5321033	381129	ROCKCHIP	2310	GARFIELD	6	-5	41	-2	
39607	21000	81150	5321029	381180	ROCKCHIP	2310	GARFIELD	6	-5	30	-2	
39608	21000	81200	5321032	381230	ROCKCHIP	2310	GARFIELD	7	10	56	-2	
39609	21000	81250	5321031	381279	ROCKCHIP	2310	GARFIELD	5	-5	16	-2	
39610	21000	81300	5321033	381331	SOIL	2310	GARFIELD	7	5	31	-2	
39611	21000	81350	5321032	381382	ROCKCHIP	2310	GARFIELD	6	-5	21	-2	
39636	20600	81150	5320602	381169	ROCKCHIP	2310	GARFIELD	7	-5	28	-2	
39637	20600	81100	5320608	381126	ROCKCHIP	2310	GARFIELD	7	-5	37	-2	
39638	20600	81050	5320606	381079	ROCKCHIP	2310	GARFIELD	7	150	100	-2	
39639	20600	81000	5320612	381033	ROCKCHIP	2310	GARFIELD	7	13	38	-2	
39641	20600	80950	5320613	380985	ROCKCHIP	2310	GARFIELD	7	5	24	-2	
39642	20600	80900	5320611	380940	ROCKCHIP	2310	GARFIELD	7	39	53	-2	
39643	20600	80850	5320611	380890	ROCKCHIP	2310	GARFIELD	8	69	100	-2	
39644	20600	80800	5320612	380839	ROCKCHIP	2310	GARFIELD	7	21	28	-2	
39645	20600	80750	5320613	380787	ROCKCHIP	2310	GARFIELD	9	125	51	-2	
39646	20600	80700	5320612	380737	ROCKCHIP	2310	GARFIELD	7	5	41	-2	
39647	20600	80650	5320613	380686	ROCKCHIP	2310	GARFIELD	7	395	32	-2	
39648	20600	80600	5320621	380639	ROCKCHIP	2310	GARFIELD	6	-5	11	-2	
39649	20600	80550	5320620	380590	ROCKCHIP	2310	GARFIELD	7	-5	34	-2	
39650	20600	80500	5320621	380535	SOIL	2310	GARFIELD	7	96	46	-2	
39651	20600	80450	5320620	380486	SOIL	2310	GARFIELD	7	20	13	-2	
39652	20600	80400	5320621	380437	SOIL	2310	GARFIELD	14	63	18	-2	
39653	20600	80350	5320622	380397	ROCKCHIP	2310	GARFIELD	7	170	61	-2	
39654	20600	80300	5320619	380358	SOIL	2310	GARFIELD	7	5	19	-2	
39655	20600	80250	5320618	380300	ROCKCHIP	2310	GARFIELD	8	-5	10	-2	
39656	20600	80200	5320621	380247	SOIL	2310	GARFIELD	13	96	18	-2	
39657	20600	80150	5320621	380190	SOIL	2310	GARFIELD	7	7	10	-2	
39777	20200	81200	5320228	381232	SOIL	2310	GARFIELD	7	-5	30	-2	
39778	20200	81250	5320225	381282	ROCKCHIP	2310	GARFIELD	6	5	34	-2	
39779	20200	81300	5320228	381329	ROCKCHIP	2310	GARFIELD	6	-5	30	-2	
39781	20200	81350	5320229	381380	ROCKCHIP	2310	GARFIELD	6	-5	19	-2	
39806	20200	81150	5320228	381183	SOIL	2310	GARFIELD	8	-5	47	-2	
39807	20200	81100	5320233	381131	ROCKCHIP	2310	GARFIELD	7	-5	27	-2	
39808	20200	81050	5320227	381075	ROCKCHIP	2310	GARFIELD	10	-5	75	-2	
39809	20200	81000	5320227	381024	ROCKCHIP	2310	GARFIELD	9	10	110	-2	
39810	20200	80950	5320224	380984	ROCKCHIP	2310	GARFIELD	7	-5	26	-2	
39811	20200	80900	5320222	380929	ROCKCHIP	2310	GARFIELD	7	-5	46	-2	
39812	20200	80850	5320218	380878	ROCKCHIP	2310	GARFIELD	8	-5	52	-2	
39813	20200	80800	5320220	380828	ROCKCHIP	2310	GARFIELD	7	-5	29	-2	
39814	20200	80750	5320215	380777	ROCKCHIP	2310	GARFIELD	7	-5	40	-2	
39815	20200	80700	5320215	380730	SOIL	2310	GARFIELD	12	135	130	-2	
39816	20200	80650	5320211	380679	SOIL	2310	GARFIELD	9	-5	32	-2	
39817	20200	80600	5320215	380632	ROCKCHIP	2310	GARFIELD	9	-5	19	-2	
39818	20200	80550	5320212	380582	ROCKCHIP	2310	GARFIELD	8	9	87	-2	
39819	20200	80500	5320212	380531	ROCKCHIP	2310	GARFIELD	12	18	110	-2	
39820	20200	80450	5320211	380477	ROCKCHIP	2310	GARFIELD	7	-5	36	-2	
39821	20200	80400	5320208	380424	ROCKCHIP	2310	GARFIELD	9	-5	34	-2	
39822	20200	80350	5320207	380382	ROCKCHIP	2310	GARFIELD	14	-5	35	-2	
46319	5321200	380375			SOIL	2310	SLATSPUR	6	25	16	-2	-0.008
46320	5321200	380350			SOIL	2310	SLATSPUR	70	21	17	-2	-0.008
46321	5321200	380325			SOIL	2310	SLATSPUR	15	20	19	-2	-0.008
46322	5321200	380300			SOIL	2310	SLATSPUR	14	29	18	-2	-0.008
46323	5321200	380275			SOIL	2310	SLATSPUR	9	21	23	-2	-0.008
46324	5321200	380250			SOIL	2310	SLATSPUR	7	6	27	-2	-0.008
46326	5321200	380225			SOIL	2310	SLATSPUR	8	8	9	-2	-0.008
46327	5321200	380200			SOIL	2310	SLATSPUR	10	10	19	-2	-0.008
46328	5321200	380175			SOIL	2310	SLATSPUR	7	11	33	-2	-0.008
46329	5321200	380150			SOIL	2310	SLATSPUR	6	-5	17	-2	-0.008

Sample No.	Gnorth	Geast	Tnorth	Teast	Type	Project	Name	Cu	Pb	Zn	Ag	Au
46330	5321200	380125			SOIL	2310	SLATSPUR	6	-5	21	-2	-0.008
46331	5321400	380475			SOIL	2310	SLATSPUR	6	14	39	-2	-0.008
46332	5321400	380425			SOIL	2310	SLATSPUR	5	68	24	-2	-0.008
46333	5321400	380375			SOIL	2310	SLATSPUR	7	22	19	-2	-0.008
46334	5321400	380325			SOIL	2310	SLATSPUR	13	28	27	-2	-0.008
46336	5321400	380275			SOIL	2310	SLATSPUR	9	27	23	-2	-0.008
46337	5321400	380225			SOIL	2310	SLATSPUR	10	31	37	-2	-0.008
46338	5321400	380175			SOIL	2310	SLATSPUR	9	16	22	-2	-0.008
46339	5320600	380675			SOIL	2310	SLATSPUR	15	14	37	-1	-0.008
46340	5320600	380625			SOIL	2310	SLATSPUR	34	26	24	-1	0.014
46341	5320600	380575			SOIL	2310	SLATSPUR	4	51	11	-1	-0.008
46343	5320600	380525			SOIL	2310	SLATSPUR	12	28	22	-1	-0.008
46344	5320600	380475			SOIL	2310	SLATSPUR	5	12	18	-1	-0.008
46345	5320600	380425			SOIL	2310	SLATSPUR	10	31	16	-1	-0.008
46346	5320600	380375			SOIL	2310	SLATSPUR	10	23	26	-1	-0.008
46347	5320600	380325			SOIL	2310	SLATSPUR	8	87	19	-1	-0.008
46348	5320600	380275			SOIL	2310	SLATSPUR	10	26	21	-1	-0.008
46349	5320600	380225			SOIL	2310	SLATSPUR	11	21	17	-1	-0.008
46350	5320600	380175			SOIL	2310	SLATSPUR	10	24	15	-1	-0.008
47209	5320000	380900			SOIL	2310	GARFIELD	7	15	71	-2	-0.008
47210	5320000	380875			SOIL	2310	GARFIELD	11	15	16	-2	-0.008
47211	5320000	380850			SOIL	2310	GARFIELD	36	49	31	-2	-0.008
47212	5320000	380825			SOIL	2310	GARFIELD	27	65	40	-2	-0.008
47214	5320200	381375			SOIL	2310	GARFIELD	7	5	24	-2	-0.008
47215	5320200	381325			SOIL	2310	GARFIELD	4	-5	45	-2	-0.008
47216	5320200	381275			SOIL	2310	GARFIELD	9	-5	39	-2	-0.008
47217	5320200	381225			SOIL	2310	GARFIELD	6	5	44	-2	-0.008
47218	5320200	381175			SOIL	2310	GARFIELD	5	-5	60	-2	-0.008
47219	5320200	381125			SOIL	2310	GARFIELD	4	-5	47	-2	-0.008
47220	5320200	381075			SOIL	2310	GARFIELD	5	-5	44	-2	-0.008
47221	5320200	381025			SOIL	2310	GARFIELD	5	-5	57	-2	-0.008
47222	5320200	380975			SOIL	2310	GARFIELD	4	86	296	-2	-0.008
47223	5320200	380925			SOIL	2310	GARFIELD	6	10	24	-2	-0.008
47224	5320200	380875			SOIL	2310	GARFIELD	6	33	17	-2	-0.008
47225	5320200	380825			SOIL	2310	GARFIELD	11	54	37	-2	-0.008
47226	5320200	380775			SOIL	2310	GARFIELD	5	5	21	-2	-0.008
47227	5320400	381150			SOIL	2310	GARFIELD	10	13	20	-2	-0.008
47228	5320400	381125			SOIL	2310	GARFIELD	-4	-5	73	-2	-0.008
47229	5320400	381100			SOIL	2310	GARFIELD	-4	-5	34	-2	-0.008
47230	5320400	381075			SOIL	2310	GARFIELD	5	6	44	-2	0.013
47231	5320400	381050			SOIL	2310	GARFIELD	-4	12	59	-2	-0.008
47232	5320400	381025			SOIL	2310	GARFIELD	5	7	27	-2	-0.008
47233	5320400	381000			SOIL	2310	GARFIELD	7	7	41	-2	-0.008
47234	5320400	380975			SOIL	2310	GARFIELD	6	7	34	-2	-0.008
47235	5320400	380950			SOIL	2310	GARFIELD	4	46	86	-2	-0.008
47236	5320400	380925			SOIL	2310	GARFIELD	6	23	35	-2	-0.008
47237	5320400	380900			SOIL	2310	GARFIELD	-4	8	55	-2	-0.008
47238	5320400	380875			SOIL	2310	GARFIELD	5	10	23	-2	-0.008
47239	5320400	380850			SOIL	2310	GARFIELD	-4	8	18	-2	-0.008
47240	5320400	380825			SOIL	2310	GARFIELD	5	9	12	-2	-0.008
47241	5320400	380800			SOIL	2310	GARFIELD	4	8	11	-2	-0.008
47242	5320400	380775			SOIL	2310	GARFIELD	7	15	21	-2	-0.008
47243	5320400	380750			SOIL	2310	GARFIELD	6	8	23	-2	-0.008
47244	5320400	380725			SOIL	2310	GARFIELD	7	10	15	-2	-0.008
47245	5320400	380700			SOIL	2310	GARFIELD	8	16	21	-2	-0.008
47246	5320600	381075			SOIL	2310	GARFIELD	-4	-5	36	-2	-0.008
47247	5320600	381025			SOIL	2310	GARFIELD	-4	14	102	-2	-0.008
47248	5320600	380975			SOIL	2310	GARFIELD	-4	-5	19	-2	-0.008
47249	5320600	380925			SOIL	2310	GARFIELD	-4	7	27	-2	-0.008
47250	5320600	380875			SOIL	2310	GARFIELD	6	21	41	-2	-0.008
47251	5320600	380825			SOIL	2310	GARFIELD	5	19	22	-2	-0.008
47252	5320600	380775			SOIL	2310	GARFIELD	4	9	17	-2	-0.008
47253	5320600	380725			SOIL	2310	GARFIELD	4	10	44	-2	-0.008
47255	5320800	381050			SOIL	2310	GARFIELD	8	20	62	-2	-0.008
47256	5320800	381025			SOIL	2310	GARFIELD	7	20	30	-2	-0.008
47257	5320800	381000			SOIL	2310	GARFIELD	7	12	19	-2	-0.008
47258	5320800	380975			SOIL	2310	GARFIELD	-4	-5	18	-2	-0.008
47259	5320800	380950			SOIL	2310	GARFIELD	7	10	22	-2	-0.008
47260	5320800	380925			SOIL	2310	GARFIELD	8	14	24	-2	-0.008

Sample No.	Gnorth	Geast	Tnorth	Teast	Type	Project	Name	Cu	Pb	Zn	Ag	Au
47261	5320800	380900			SOIL	2310	GARFIELD	5	8	30	-2	-0.008
47262	5320800	380875			SOIL	2310	GARFIELD	4	10	14	-2	-0.008
47263	5320800	380850			SOIL	2310	GARFIELD	-4	8	16	-2	-0.008
47264	5320800	380825			SOIL	2310	GARFIELD	5	20	43	-2	-0.008
47265	5320800	380800			SOIL	2310	GARFIELD	5	16	30	-2	-0.008
47266	5320800	380775			SOIL	2310	GARFIELD	4	17	40	-2	-0.008
47267	5320800	380750			SOIL	2310	GARFIELD	6	14	22	-2	-0.008
47268	5320800	380725			SOIL	2310	GARFIELD	7	20	15	-2	-0.008
47269	5320800	380700			SOIL	2310	GARFIELD	6	28	33	-2	-0.008
47270	5320800	380675			SOIL	2310	GARFIELD	11	46	28	-2	-0.008
47271	5320800	380650			SOIL	2310	GARFIELD	8	42	22	-2	-0.008
47272	5321000	381125			SOIL	2310	GARFIELD	6	-5	41	-2	-0.008
47273	5321000	381075			SOIL	2310	GARFIELD	7	9	24	-2	-0.008
47274	5321000	381025			SOIL	2310	GARFIELD	5	9	26	-2	-0.008
47275	5321000	380975			SOIL	2310	GARFIELD	7	7	22	-2	-0.008
47276	5321000	380925			SOIL	2310	GARFIELD	5	8	19	-2	-0.008
47277	5321000	380875			SOIL	2310	GARFIELD	-4	-5	16	-2	-0.008
47278	5321000	380825			SOIL	2310	GARFIELD	10	117	36	-2	-0.008
47279	5321000	380775			SOIL	2310	GARFIELD	15	172	21	-2	-0.008
47280	5321000	380725			SOIL	2310	GARFIELD	4	-5	11	-2	-0.008
47281	5321000	380675			SOIL	2310	GARFIELD	6	8	14	-2	-0.008
47282	5321200	381000			SOIL	2310	GARFIELD	6	8	41	-2	-0.008
47283	5321200	380975			SOIL	2310	GARFIELD	5	6	31	-2	-0.008
47284	5321200	380950			SOIL	2310	GARFIELD	7	9	26	-2	-0.008
47285	5321200	380925			SOIL	2310	GARFIELD	6	8	30	-2	-0.008
47286	5321200	380900			SOIL	2310	GARFIELD	6	5	26	-2	-0.008
47287	5321200	380875			SOIL	2310	GARFIELD	6	-5	35	-2	-0.008
47288	5321200	380850			SOIL	2310	GARFIELD	-4	5	25	-2	-0.008
47289	5321200	380825			SOIL	2310	GARFIELD	4	-5	21	-2	-0.008
47290	5321200	380800			SOIL	2310	GARFIELD	-4	14	28	-2	-0.008
47291	5321200	380775			SOIL	2310	GARFIELD	6	6	14	-2	-0.008
47292	5321200	380750			SOIL	2310	GARFIELD	5	8	20	-2	-0.008
47293	5321200	380725			SOIL	2310	GARFIELD	5	-5	19	-2	-0.008
47294	5321200	380700			SOIL	2310	GARFIELD	5	5	6	-2	-0.008
47295	5321200	380675			SOIL	2310	GARFIELD	-4	23	-4	-2	-0.008
47296	5321200	380650			SOIL	2310	GARFIELD	4	-5	-4	-2	-0.008
47297	5321200	380625			SOIL	2310	GARFIELD	4	-5	-4	-2	-0.008
47298	5321200	380600			SOIL	2310	GARFIELD	5	-5	5	-2	-0.008
47299	5321400	381075			SOIL	2310	GARFIELD	4	-5	16	-2	-0.008
47300	5321400	381025			SOIL	2310	GARFIELD	-4	-5	12	-2	-0.008
47401	5321400	380975			SOIL	2310	GARFIELD	-4	11	11	-2	-0.008
47402	5321400	380925			SOIL	2310	GARFIELD	5	7	20	-2	-0.008
47403	5321400	380875			SOIL	2310	GARFIELD	5	6	22	-2	-0.008
47404	5321400	380825			SOIL	2310	GARFIELD	4	6	15	-2	-0.008
47405	5321400	380775			SOIL	2310	GARFIELD	-4	-5	16	-2	-0.008
47406	5321400	380725			SOIL	2310	GARFIELD	7	20	31	-2	-0.008
47407	5321400	380675			SOIL	2310	GARFIELD	5	-5	6	-2	-0.008
47408	5321400	380625			SOIL	2310	GARFIELD	6	12	10	-2	0.034
47409	5321400	380575			SOIL	2310	GARFIELD	4	7	9	-2	-0.008
47410	5321400	380525			SOIL	2310	GARFIELD	4	10	6	-2	-0.008
47416	5320000	380800			SOIL	2310	SLATSPUR	14	42	40	-2	-0.008
47417	5320000	380775			SOIL	2310	SLATSPUR	14	35	17	-2	-0.008
47418	5320000	380750			SOIL	2310	SLATSPUR	11	11	33	-2	-0.008
47419	5320000	380725			SOIL	2310	SLATSPUR	8	28	24	-2	-0.008
47421	5320000	380700			SOIL	2310	SLATSPUR	12	29	17	-2	-0.008
47422	5320000	380675			SOIL	2310	SLATSPUR	10	59	39	-2	-0.008
47423	5320000	380650			SOIL	2310	SLATSPUR	8	19	32	-2	-0.008
47424	5320000	380625			SOIL	2310	SLATSPUR	10	22	22	-2	-0.008
47425	5320000	380600			SOIL	2310	SLATSPUR	8	13	17	-2	-0.008
47426	5320000	380575			SOIL	2310	SLATSPUR	9	9	11	-2	-0.008
47427	5320000	380550			SOIL	2310	SLATSPUR	6	14	22	-2	-0.008
47428	5320000	380525			SOIL	2310	SLATSPUR	6	10	18	-2	-0.008
47429	5320000	380500			SOIL	2310	SLATSPUR	6	14	18	-2	-0.008
47430	5320000	380475			SOIL	2310	SLATSPUR	6	15	10	-2	-0.008
47431	5320000	380450			SOIL	2310	SLATSPUR	9	23	17	-2	-0.008
47432	5320200	380725			SOIL	2310	SLATSPUR	9	37	112	-2	-0.008
47433	5320200	380675			SOIL	2310	SLATSPUR	5	17	42	-2	-0.008
47434	5320200	380625			SOIL	2310	SLATSPUR	8	18	22	-2	-0.008
47435	5320200	380575			SOIL	2310	SLATSPUR	11	71	47	-2	-0.008

Sample No.	Gnorth	Geast	Tnorth	Teast	Type	Project	Name	Cu	Pb	Zn	Ag	Au
47436	5320200	380525			SOIL	2310	SLATSPUR	8	35	94	-2	-0.008
47437	5320200	380475			SOIL	2310	SLATSPUR	14	25	23	-2	-0.008
47438	5320200	380425			SOIL	2310	SLATSPUR	11	26	43	-2	-0.008
47439	5320400	380675			SOIL	2310	SLATSPUR	6	10	22	-2	-0.008
47441	5320400	380650			SOIL	2310	SLATSPUR	31	76	52	-2	-0.008
47442	5320400	380625			SOIL	2310	SLATSPUR	19	59	45	-2	-0.008
47443	5320400	380600			SOIL	2310	SLATSPUR	10	17	32	-2	-0.008
47444	5320400	380575			SOIL	2310	SLATSPUR	7	23	25	-2	-0.008
47445	5320400	380550			SOIL	2310	SLATSPUR	7	17	22	-2	-0.008
47446	5320400	380525			SOIL	2310	SLATSPUR	9	71	28	-2	-0.008
47447	5320400	380500			SOIL	2310	SLATSPUR	9	10	21	-2	-0.008
47448	5320400	380475			SOIL	2310	SLATSPUR	7	-5	19	-2	-0.008
47449	5320400	380450			SOIL	2310	SLATSPUR	18	45	56	-2	-0.008
47450	5320400	380425			SOIL	2310	SLATSPUR	8	13	18	-2	-0.008
47451	5320400	380400			SOIL	2310	SLATSPUR	8	-5	24	-2	-0.008
47452	5320400	380375			SOIL	2310	SLATSPUR	4	-5	17	-2	0.016
47453	5320400	380350			SOIL	2310	SLATSPUR	4	-5	19	-2	-0.008
47454	5320400	380325			SOIL	2310	SLATSPUR	4	-5	15	-2	-0.008
47455	5320400	380300			SOIL	2310	SLATSPUR	5	27	13	-2	-0.008
47456	5320800	380625			SOIL	2310	SLATSPUR	8	29	51	-2	-0.008
47457	5320800	380600			SOIL	2310	SLATSPUR	8	34	22	-2	-0.008
47458	5320800	380575			SOIL	2310	SLATSPUR	7	-5	15	-2	-0.008
47459	5320800	380550			SOIL	2310	SLATSPUR	6	10	12	-2	-0.008
47461	5320800	380525			SOIL	2310	SLATSPUR	8	7	31	-2	-0.008
47462	5320800	380500			SOIL	2310	SLATSPUR	13	6	15	-2	-0.008
47463	5320800	380475			SOIL	2310	SLATSPUR	7	-5	33	-2	-0.008
47464	5320800	380450			SOIL	2310	SLATSPUR	8	115	27	-2	-0.008
47465	5320800	380425			SOIL	2310	SLATSPUR	5	275	18	-2	-0.008
47466	5320800	380400			SOIL	2310	SLATSPUR	9	147	20	-2	-0.008
47467	5320800	380375			SOIL	2310	SLATSPUR	-4	-5	12	-2	-0.008
47468	5320800	380350			SOIL	2310	SLATSPUR	6	14	13	-2	-0.008
47469	5320800	380325			SOIL	2310	SLATSPUR	7	-5	11	-2	-0.008
47470	5320800	380300			SOIL	2310	SLATSPUR	-4	-5	14	-2	-0.008
47471	5320800	380275			SOIL	2310	SLATSPUR	4	12	31	-2	-0.008
47472	5320800	380250			SOIL	2310	SLATSPUR	7	12	15	-2	-0.008
47473	5320800	380225			SOIL	2310	SLATSPUR	4	15	11	-2	-0.008
47474	5320800	380200			SOIL	2310	SLATSPUR	6	17	9	-2	-0.008
47475	5320800	380175			SOIL	2310	SLATSPUR	6	12	15	-2	-0.008
47476	5320800	380150			SOIL	2310	SLATSPUR	9	-5	17	-2	-0.008
47477	5320800	380125			SOIL	2310	SLATSPUR	11	6	19	-2	-0.008
47478	5320800	380100			SOIL	2310	SLATSPUR	10	-5	16	-2	-0.008
47479	5321000	380625			SOIL	2310	SLATSPUR	4	-5	17	-2	-0.008
47481	5321000	380575			SOIL	2310	SLATSPUR	9	22	24	-2	-0.008
47482	5321000	380525			SOIL	2310	SLATSPUR	6	20	18	-2	-0.008
47483	5321000	380475			SOIL	2310	SLATSPUR	7	18	18	-2	-0.008
47484	5321000	380425			SOIL	2310	SLATSPUR	12	27	35	-2	-0.008
47485	5321000	380375			SOIL	2310	SLATSPUR	11	11	35	-2	-0.008
47486	5321000	380325			SOIL	2310	SLATSPUR	17	58	27	-2	-0.008
47487	5321000	380275			SOIL	2310	SLATSPUR	8	10	26	-2	-0.008
47488	5321000	380225			SOIL	2310	SLATSPUR	8	-5	20	-2	-0.008
47489	5321000	380175			SOIL	2310	SLATSPUR	7	-5	28	-2	-0.008
47490	5321000	380125			SOIL	2310	SLATSPUR	5	17	16	-2	-0.008
47491	5321000	380075			SOIL	2310	SLATSPUR	4	30	20	-2	-0.008
47492	5321200	380575			SOIL	2310	SLATSPUR	16	34	24	-2	-0.008
47493	5321200	380550			SOIL	2310	SLATSPUR	7	11	29	-2	-0.008
47494	5321200	380525			SOIL	2310	SLATSPUR	8	68	32	-2	-0.008
47495	5321200	380500			SOIL	2310	SLATSPUR	19	19	28	-2	-0.008
47496	5321200	380475			SOIL	2310	SLATSPUR	7	22	29	-2	-0.008
47497	5321200	380450			SOIL	2310	SLATSPUR	11	28	28	-2	-0.008
47498	5321200	380425			SOIL	2310	SLATSPUR	8	23	20	-2	-0.008
47499	5321200	380400			SOIL	2310	SLATSPUR	6	17	20	-2	-0.008
							Laboratory Method	A/labs GA101	A/labs GA101	A/labs GA101	A/labs GA101	A/labs GG309
							Detection Limit	4	5	4	2	0.008
							Units	ppm	ppm	ppm	ppm	ppm

APPENDIX 2

Report on Exploration at the Beatrice Prospect

Kevin Joyce



EXPLORATION

315023

ACN 001 426 946

DRILLING REPORT

TASMANIAN BASE METAL EXPLORATION

EL 102/87

BEATRICE

Vol 1 of 1

HELD BY: BHP MINERALS

MANAGER & OPERATOR: RGC EXPLORATION

AUTHOR(s): KEVIN JOYCE

5 July, 1996

PROSPECTS: Beatrice

MAP SHEETS: 1:25,000: Queenstown

GEOGRAPHIC COORDS **Min East: 383000mE** **Max East: 387000mE**
Min North: 5345000mN **Max North: 5350000mN**

COMMODITY(s): Base metals, Au

KEY WORDS: Beatrice, Itat Creek, VMS, Tyndall Group

Distribution:

- o **RGC Exploration Information Centre Reference:**
- o **RGC Exploration - Zeehan**
- o

Summary

This report describes the exploration completed by RGC Exploration on EL 102/87 from April 1996 to April 1997. Work completed consisted of one diamond drillhole totaling 288.6 metres and follow-up 1:5000 scale mapping.

Diamond drillhole MS6 was drilled to test a prospective shale horizon to the south of existing drilling and adjacent to interpreted synvolcanic structure. Based on poor assay results and the absence of encouraging alteration no further work is recommended for this portion of the Beatrice prospect.

A reinterpretation of the prospect geology was completed. The interpretation shows a broad asymmetric fold with a north-south trending axis. Interpretation shows the continuation of the prospective horizon on the western limb of the broad syncline which forms part of this fold.

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5. Conclusions and Recommendations	-8-

References**Appendices**

Appendix 1	Graphic Log MS6
Appendix 2	Assay

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Figure 2	Geological Interpretation (1996)	../2
Table 1	Peak and average Cu, Pb, Zn, Au assays from drillhole MS6	-6-

in back pocket

		Scale	Drawing no
Plan 1	Geological Interpretation (1994)	1:5000	5532/172
Plan 2	Drillhole Section MS6	1:1000	2309/224
Plan 3	Drillhole Section MS6 : Cu-Au assay	1:1000	2309/225
Plan 4	Drillhole Section MS6 : Pb-Zn assay	1:1000	2309/226
Plan 5	Contoured Soil Geochemistry	1:5000	5532/172
Plan 6	Contoured Chargeabilities	1:5000	5532/172
Plan 7	Geological Sections 800N and 1800N	1:5000	2309/227

1. Introduction

315027

Beatrice Pb-Zn prospect is located within EL 102/87, approximately 5km NE of Queenstown, western Tasmania (Figure 1). EL 102/87 is held by a joint venture between RGC Exploration and BHP Minerals. Previous work has defined an basemetal anomalous black shale-volcaniclastic unit which was interpreted to represent a seafloor position and was therefore considered prospective for VHMS style mineralisation.

The Beatrice prospect was identified by the Mt Lyell Mining Co in 1976-77 during a reconnaissance stream sediment survey. The area was subsequently gridded, mapped, soil sampled, and IP surveyed. This work defined the Itat Creek anomaly zone in the centre of the grid.

Mt Lyell Mining Co (1979-80) drilled five diamond drillholes (MS1-5) to test the coincident soil and IP anomalies in the Itat Creek area. Holes MS 1-4 were drilled across the black shale-volcaniclastic unit in the central portion of the prospect. Hole MS 5 was drilled to test an IP anomaly in the north-west portion of the grid (Figure 2). Best results from this drilling included;

MS1 7m @ 1.1%Pb, 1.6%Zn, 0.3ppm Au
 2m @ 2.6%Pb, 5.05%Zn, 0.2ppm Au

MS2 7.5m @ 0.3%Pb, 0.7%Zn

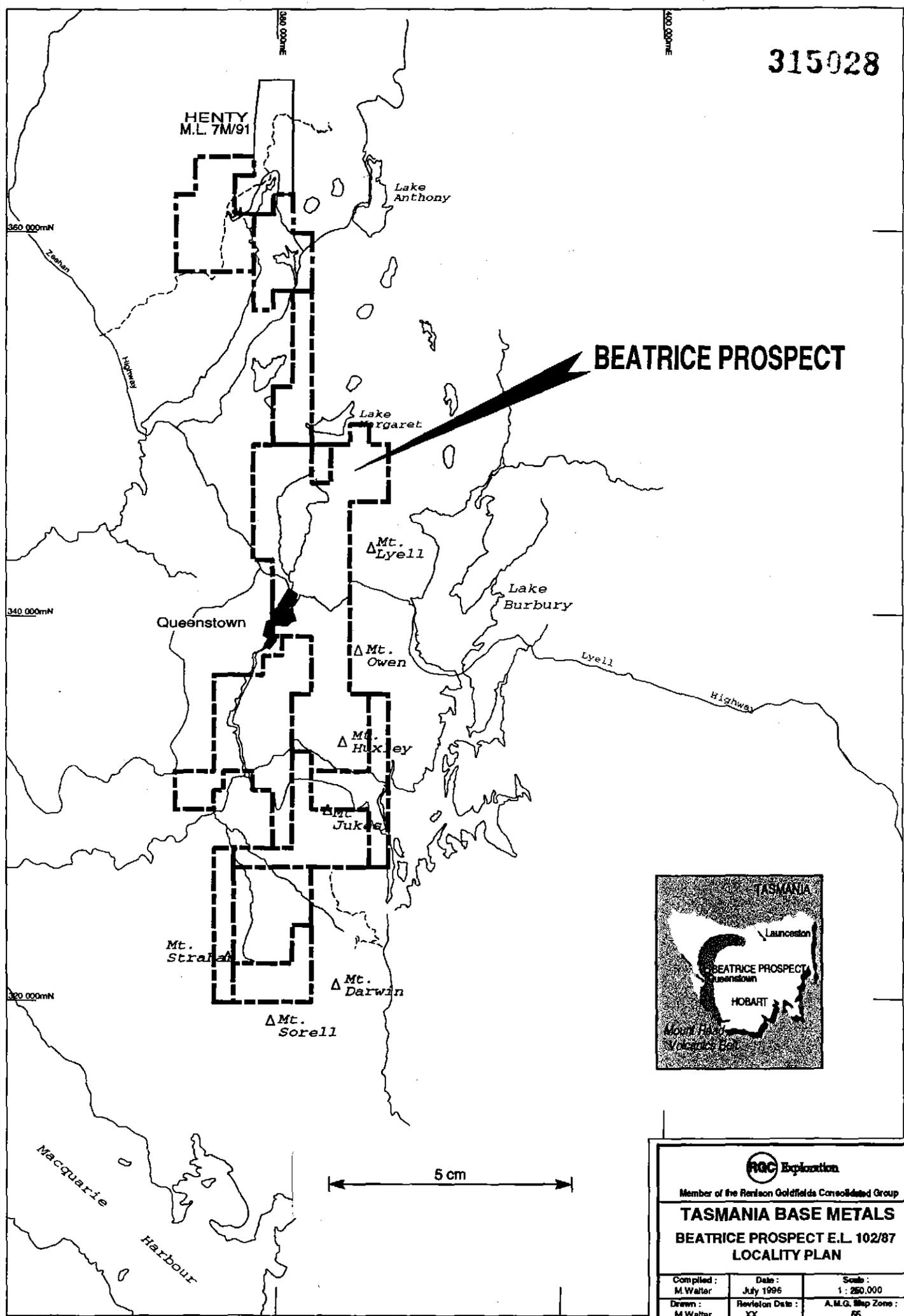
MS3 7m @ 0.4%Pb, 0.7%Zn. 44m @ 0.2%Zn

MS4 6m @ 0.3%Pb, 0.8%Zn

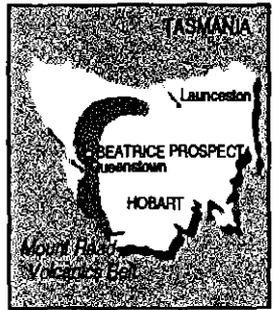
MS5 No significant assay

Inspection of the above holes found that there were some intervals with reported assays but there was no evidence that these intervals had been sampled i.e. no cutting or grinding of the core.

315028



BEATRICE PROSPECT



RQC Exploration
Member of the Perison Goldfields Consolidated Group

TASMANIA BASE METALS
BEATRICE PROSPECT E.L. 102/87
LOCALITY PLAN

Compiled: M. Walter	Date: July 1996	Scale: 1:250,000
Drawn: M. Walter	Revision Date: XX	A.M.G. Map Zone: 85

5 cm

315029

RGC Exploration

BEATRICE PROSPECT E.L. 102/87 GEOLOGICAL INTERPRETATION

LEGEND

- Owen conglomerate
- Upper Tyndall Gp.
- Lower Tyndall porphyry lava
- Black shale
- Dacite - rhyolite volcanics
- Dacite lava
- Shear zone
- Fault
- Fault inferred
- Drillhole

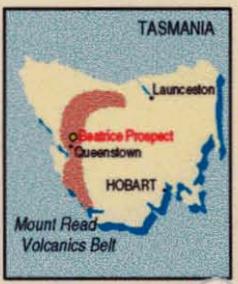
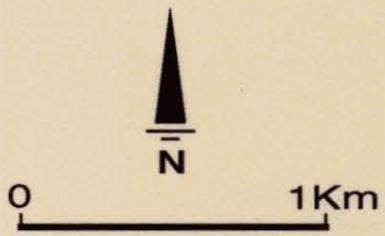
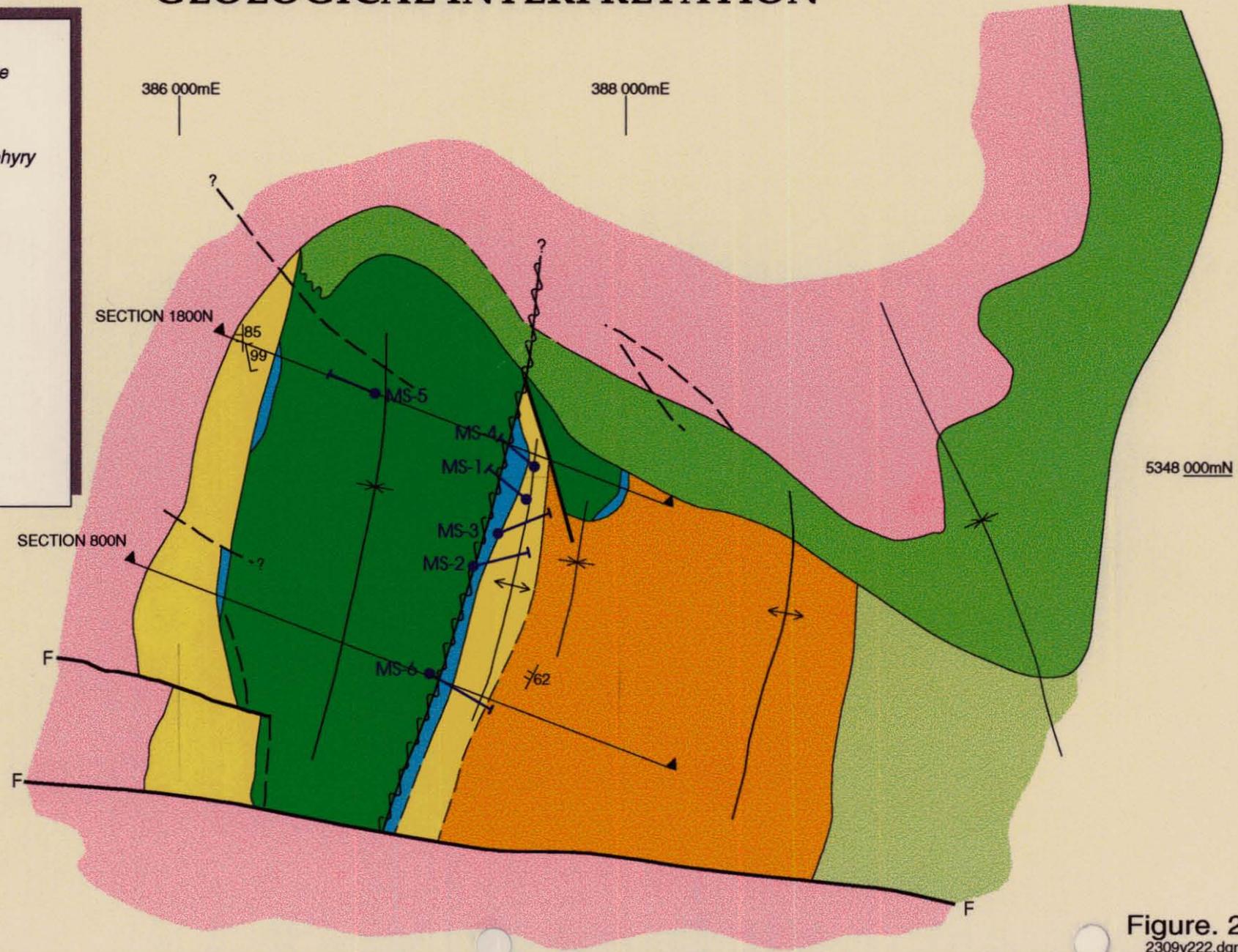


Figure. 2
2309v222.dgn

315030

2. Access

Access to the Beatrice prospect was originally established by Mt Lyell Mining Co during the 1970's. The access track passes through the Mt Lyell mine lease. Permission to enter EL 102/87 via the Mt Lyell mine lease was granted by Copper Mines of Tasmania. Tracks were repaired and the drill site prepared with minimal effort and disturbance of the area. A bulldozer was required to tow the drill rig and other equipment to the drillsite.

3. Work Completed

Exploration on EL 102/87 from April 1996 to April 1997 consisted of one diamond drillhole (288.6m) and follow-up 1:5000 scale mapping.

The mineralisation at Beatrice is confined to a shale-volcaniclastic unit at the base of Tyndall Group rocks; the interpreted stratigraphic position which hosts mineralisation at Henty.

Detailed mapping by Boyd (1994) (Plan 1) indicated the continuation of the prospective horizon south of previous drilling. The continuation of the prospective horizon was probably not mapped by earlier workers due to the extensive glacial scree in the area.

Based on additional mapping from this report, a possible east-west trending synvolcanic fault was recognised to the south of the prospect. This structure was interpreted to be a possible fluid conduit to the host horizon.

Drillhole MS6 was therefore proposed to test the southern extension of the shale horizon adjacent to interpreted synvolcanic structure.

3.1 Drilling

MS6 was collared on an existing track approximately 500m to the south of drillhole MS2 and approximately 500m north of interpreted synvolcanic structure.(Figure 2).

Hole details are as follows:

Hole No:	MS6	Start:	1-4-96
Northing:	5347100mN	End:	16-5-96
Easting:	584973mE		
RL:	620.0m		
Dip:	-50		
Azimuth:	144 AMG		

315032

A shear zone at 212.8m was difficult to penetrate because the unconsolidated ground kept collapsing around the rod string and stopping water returns. A number of attempts to cement and redrill the zone failed. The hole was eventually completed by sizing down from NQ to BQ equipment. This made it possible to keep the hole clear and maintain water returns.

It was originally planned to complete a down hole geophysical survey but an attempt to case the hole with PVC was abandoned when the casing broke off down the hole and could not be retrieved or rejoined.

4. Results

4.1 Geology

A summary of the drill hole is included below. A more detailed description is included in Appendix 1. Plan 2 is a cross-section of hole MS6.

0.0 - 3.0	Tricone, no core
3.0 - 150.8	Green-grey, quartz-feldspar phyric rhyolite.
150.8 - 151.6	Pale green, medium-grained rhyolite volcanoclastic.
151.6 - 152.2	Black-grey, matrix supported mass flow.
152.2 - 153.6	Green-grey, medium-grained rhyolite volcanoclastic.
153.6 - 165.2	Black-grey, laminated shale-siltstone.
165.2 - 173.2	Green-buff, coarse-grained volcanoclastic.
173.2 - 174.2	Broken black shale-siltstone.
174.2 - 186.1	Fine-grained rhyolite intrusive. Chilled contacts
186.1 - 210.7	Black-grey, laminated, calcareous shale-siltstone.
210.7 - 212.8	Strongly foliated, sericitised volcanoclastic rock.
212.8 - 213.8	Fault, pugh zone.
213.8 - 226.3	Foliated, pumiceous volcanoclastic grading up to fine-grained volcanoclastic. Strongly sericite altered.

- 226.3 - 234.9 Dark green, fine-grained volcanoclastic sandstone. Moderately sericite/chlorite altered.
- 234.9 - 261.0 Fine to coarse-grained volcanoclastic. Sericite altered
- 261.0 - 288.6 Feldspar phyric to aphyric dacite lava. EOH.

4.2 Assay

Fifty samples (including standards) were taken from the drillcore. Samples were sent to Analabs-Burnie to be analysed for Cu, Pb, Zn, Ag, Fe, Bi, As, Au. (Appendix 2). Peak and average assay results are tabulated below.

Table 1.

	RANGE		AVG.	COMMENT
	MIN	MAX		
Cu (ppm)	<2	93	27	
Pb (ppm)	<3	682	128	
Zn (ppm)	51	2533	469	
Au (ppm)	<0.008	0.028	--	One sample above detection

4.3 Interpretation

A re-interpretation of the Beatrice geology has been attempted. Interpretation is generally hindered by lack of outcrop and absence of structural measurements in massive volcanic rocks.

Figure 2 represents a geological interpretation based on Geological Survey mapping with the addition of data from both RGC (1994-1996) and earlier Mt Lyell (1978-81) geological mapping and drilling.

An interpreted synvolcanic fault occurs to the south of the prospect. Cambrian rocks are bounded to the south by Ordovician Owen Conglomerate along the east-west striking fault. This structural break can be seen on the regional magnetic image and probably outcrops on the flank of West Mt Sedgwick (S.Halley pers com.). This structure limits the southern strike extent of the prospective horizon.

In the southwest of the grid a black shale has been interpreted. This area has coincident soil and IP anomalies which are probably associated with the shale (Mt Lyell Mining Co surveys and mapping - Plans 5 and 6). Two days were spent trying to map the extent of the shale but glacial cover made mapping difficult.

The inferred position of the shale horizon is along strike from shale mapped to the north and broadly parallels the shale horizon in the central portion of the Beatrice grid. Interpretation from this report suggests that this shale is part of the western limb of a syncline with an approximately north-south trending axis.

Plan 7 shows cross-sections through the north of the prospect, and the southern area tested by drillhole MS6. Shown is a broad asymmetric fold. The attenuated limb of the fold is interpreted to have been sheared during the folding event. The sections shown are considered a fair estimate of the trend of the geology in the area, but probably oversimplify the complexity that must be associated with the felsic volcanic rocks in the area.

5. Conclusions and Recommendations

Based on the poor assay results from drillhole MS6, the absence of encouraging alteration, and the condition of the drillhole which prohibits any downhole geophysics, it is recommended that no further work be completed in the central portion of the Beatrice grid (Itat Creek area).

The restricted strike length of the prospective horizon further highlights the limited potential of the central area to host significant mineralisation.

Areas within the Beatrice grid which may require further work are:

- 1) The south-west portion of the grid. Reinterpretation from this report shows the continuation to surface of the prospective horizon on the western limb of a broad syncline. This area remains a potential target, however, soil and rock-chip data, whilst anomolous, are not of the same order as the Itat Creek anomaly.

- 2) The far northeastern corner of the grid. Mineralisation has been noted in volcanoclastics. Further mapping in this area may highlight areas requiring more detailed work.

- 3) Diamond drillhole MS5 (drilled by Mt Lyell Co). This hole was terminated in black shale before intersecting the shale-volcanoclastic contact. There remains a possibility that this hole did not fully test the horizon at this point. Extending this hole to more adequetly test the horizon may be considered. Access to the MS5 drillsite was limited and required full helicopter support.

315937

APPENDIX 1

315038

RGC EXPLORATION DRILL HOLE RECORD

HOLE NUMBER	MS-6	DRILLED BY	DDT - D.O'DONNELL
PROJECT	TAS BASE METAL	NORTHING	5347100 mN
PROSPECT	BEATRICE	EASTING	384973 mE
DESIGNED BY		RL	620.8 m
LOGGED BY	KJ	INCLINATION	-50°
COMMENCED	1-4-96	AZIMUTH	144° AMG (137° MAG)
FINISHED	10-5-96	EOH	288.6 m

PURPOSE

TO TEST FOR MINERALISATION SOUTH OF PREVIOUS
DRILLING COLLARED ~500M SOUTH OF MS-2 ADJACENT
TO INTERPRETED MT SEDGWICK FAULT

SURVEY DATA

DEPTH	INC.	AZL	DEPTH	INC.	AZL	DEPTH	INC.	AZL
30	-50	144	240	-45	146			
60	-49.5	143	270	-45	146			
90	-49	143						
120	-48	145						
150	-47	146						
180	-46	146						
210	-45.5	147						

DRILLING DATA

HOLE SIZE	DEPTH	COMMENTS
HQ	74.20	TRICONE 0-2m
NG	213.8	
BQ	EOH	

- PVC CASING BROKEN OFF DOWN HOLE

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
	flamme/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

315040

TYPE
U - Volcanic (general)
V - Volcaniclastic
E - Epiclastic
L - Lava
I - Intrusive
P - Porphyry

COMPOSITION

R - Rhyolite
Y - Rhyodacite
D - Dacite
A - Andesite
B - Basaltic
F - Felsic
M - Mafic
U - Ultramafic

CRYSTAL TYPE

X - Crystal rich
A - Aphyric
F - Feldspar phyric
< - Feldspar - quartz phyric
> - Quartz - feldspar phyric
Q - Quartz phyric
H - Hornblende phyric
P - Pyroxene phyric
B - Biotite phyric
V - Vitric/glassy
L - Lithic rich

alt
≡ pervasive
⋯ disseminated
→ veinlet
● massive

GRAINSIZE

B - Breccia
C - Coarse
M - Medium (Sandy)
F - Fine (Silty)
V - Very fine (Shaley)
A - Ashy
/- Undifferentiated

ALTERATION

P - Pyrite
\$ - Mineralised
Q - Quartz
O - Chlorite
C - Carbonate
H - Hematite
S - Sericite
K - K feldspar
A - Albite
E - Epidote
F - Fuchsite
M - Magnetite

N - Scale

1 - Very Weak
3 - Weak
5 - Moderate
7 - Strong
9 - Intense

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315041

SHEET 1 OF 11

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

PROJECT :
PROSPECT : <u>BEATRICE</u>
DATE : <u>17-4-96</u>
LOGGED BY : <u>KAT</u>

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CHL	CARB		ROCK	ALTERATION
0										0-3m <u>Tricone</u> Glacials	NC	
2												
4										3.0-17.8 <u>ferruginous, broken</u> <u>qtz-felds phytic rhyolite</u>		
6												
8												
10												
12												
14												
16												
18										17.8 - <u>green-grey</u> <u>qtz-felds phytic rhyolite</u>		
20												
22												
24												
26												
28												
30												
32												
34												
36												
38												
40												

← 1:2000

REMARKS

--- fractures + chl

L R Q F

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315042

SHEET 2 OF 11

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

PROJECT :	
PROSPECT :	BEATRICE
DATE :	17-4-96
LOGGED BY :	KAJ

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PT.	CHL	CARB		ROCK	ALTERATION
40												
42			25°							41.5-41.7 fg aphyric rhyolite band & to CA 25°		
44												
46										45.0-54.0 v. broken qtz-felds phyric rhyolite		
48												
50												
52												
54										54.0- 2-57 qtz-carb-chl veins / veinlets, vughy		
56												
58										57.0-57.5 green-pink alt'd phyric rhyolite, qtz-carb vning gn bleb / mnr py bleb		
60			75°									
62												
64			70°									
66												
68			80°									
70												
72			85°									
74												
76												
78												
80												

REMARKS

L-R&F

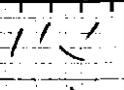
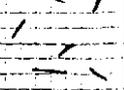
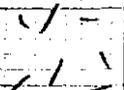
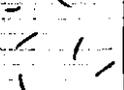
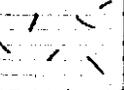
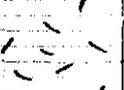
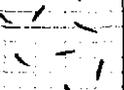
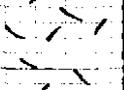
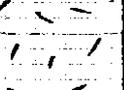
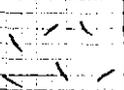
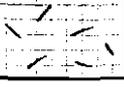
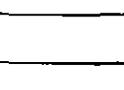
RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315043

SHEET 3 OF 11

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

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PY.	CHL		CARB	ROCK
82											
84											
86											
88											
90											
92									57.5 → 151.65 ftz. felds. phyr. rhyolite (q=21, f=10% of phyr.)		
94									phyr. abundance decreases downhole, phyr. g.s. decrease downhole.		
96											
98											
100											
102											
104											
106											
108											
110											
112											
114											
116											
118											
120											

LRGF

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315044

SHEET 4 OF 11

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

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG						ALTERATION			GEOLOGY NOTES	SUMMARY		
				1	2	3	4	5	6	SIL.	SER.	PT.		ROCK	ALTERATION	
120																
122																
124																
126																
128																
130																
132																
134																
136																
138																
140																
142																
144																
146																
148																
150																
152																
154																

→ 130-8 green-grey
g-f. phynic phyllite

LARGE

→ See over
Change Scale.

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315045

SHEET 5 OF 11

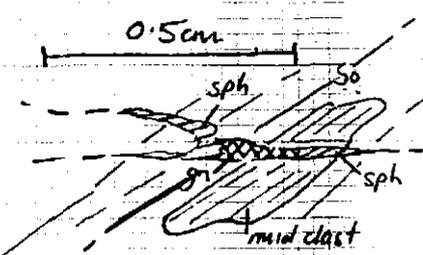
- Bedding
- └ Cleavage
- ▲ Foliation
- ~ Fault, Shear
- ⚡ Breccia
- ▨ Broken core
- ▤ Disseminated
- Massive
- ▩ Pervasive
- ⚡ Narrow vein
- * Visible gold

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

* CHANGE SCALE

1:1000

HOLE DEPTH	SAMPLE NO	ASSAY RESULTS (ppm)			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
		PREFIX	Cu	Pb			Zn	SIL.	SER.	PT.	CHRS		CHL	ROCK
151	400	17	25	137								→ 150.8 qf rhyolite porphyry faulted? basal contact, q-c vring		
152	401	14	27	272	95°							150.8 - 151.65 VR>M mg. volcanoclastic, q-felds clasts common	VR>M	
153	402	53	201	768	95°							151.65 - 152.2 mass. silt + chert + rhyolite clasts in silt supported matrix	VR>M	
154	403	15	18	95	95°							152.2 - 153.6 qf volcanoclastic faulted? top conformable base		
155	404	14	55	180								153.6 - 164.2 black-grey shale. silt, bedding flt carb py throughout		
157	405	16	79	176	50°									
159	406	12	180	469	45°									
161	407	34	233	525										
163	408	53	363	1164										
164	409	21	307	385										
166	410	34	181	1509										
168	* 411	5	79	96										
169	* 412													



165.2 - 173.2 volcanoclastic (rhyo) conglomerate (VR>C) silt, rhyolite clast fractured pumice, matrix supported sph-gn stringers & cutting foliation sph in qtz-carb veins

gn in vein qtz-carb-chl vn

rhyolite clasts φ 30cm

sph blob in vein

REMARKS

* Ann. - 9.029 2111

5 cm

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315046

SHEET 6 OF 11

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

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY		
		Cu	Pb	Zn			SIL.	SER.	PT.	CHL	CHL		ROCK	ALTERATION	
170															
171	412	10	13	51											
172	413	7	14	87											
173															
174	414	67	212	372									1732-1742 v. broken black shale-silt, qtz veining throughout		SILT
175															
176	415	26	276	1911									1742-186.1 fg. rhyolite intrusive chilled contacts. shale clasts near contacts.		
177															
178	416	7	85	231											
179															
180	417	2	50	126											
181															
182	418	4	53	144											
183															
184															
185	419	3	64	393											
186															
187	420	55	682	2131											
188															
189	421	93	89	143											
190															

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MSB 315047

SHEET 7 OF 11

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

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION					GEOLOGY NOTES	SUMMARY	
		Cu	Pb	Zn			SIL.	SER.	PT.	CLAY	CHL.		ROCK	ALTERATION
186												186.1-210.7 black shale silt		
191	422	61	77	100										
192														
193	423	98	92	125								mic. fold.		
194														
195	424	58	95	107										
196														
197	425	53	54	89										
198														
199	426	53	57	89										
200														
201	427	62	80	138										
202														
203	428	70	128	136										
204														
205	429	56	124	351										
206												206.1-206.2 high zone		
207	430	84	370	1007										
208														
209	431	70	363	2533										
210														
REMARKS														

RGC EXPLORATION PTY LTD

315049

DRILL HOLE No MS-6

SHEET 9 OF 11

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

PROJECT :	
PROSPECT :	
DATE :	
LOGGED BY :	

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS			STRUCT.	GRAPHIC LOG	ALTERATION				GEOLOGY NOTES	SUMMARY	
		Cu	Pb	Zn			SIL.	SER.	PK.	CHL		ROCK	ALTERATION
230													
231													
232													
233	438	4	49	844								VDM (s)	ser/chlorite
234													
235													
236													
237													
238	439	3	79	251								VRILQFC(S)	sericite/clasts
239													
240													
241													
242	440	<2	59	520								VRILQ(S)	sericite
243													
244													
245	441	<2	87	503									
246													
247													
248	442	4	123	328								VRQFLC(S)	sericite
249													
250													

REMARKS

134.9-240.3 volcaniclastic (trapp) conglomerate, aphyric lava clasts common, + silt clasts + q-f crystals ser/chl alt'd py blebs throughout ~2-3%.

240.3-243.7 f-mg volcaniclastic, qz crystals + silt clasts occasionally, matrix supported

243.7-257.8 co volcaniclastic (trapp) large pink clasts (albite alt'd lava clasts?) + qz-felds phenos + mud intraclasts, strongly altered (sericite)

RGC EXPLORATION PTY LTD

DRILL HOLE No

MS-6

315950

SHEET

10

OF

11

- 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	
		PREFIX	Cu	Pb			Zn	SIL.	SER.	PT.		CHL	ROCK
250													
251	243	K2	91	405							more qtz downhole		
252													
253													
254	244	K2	81	259									
255													
256													
257	245	2	64	198									
258											257.8 - 261.0 altered volcanic ash? silica-sericite throughout, clast crystals appear smeared into foliation [chert band] silification		
259													
260	246	4	127	169									
261													
262													
263	247	4	9	58									
264													
265													
266	248	3	38	114									
267													
268													
269													
270													

REMARKS

RGC EXPLORATION PTY LTD

DRILL HOLE No MS-6 315051

SHEET 11 OF 11

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

PROJECT :
PROSPECT :
DATE :
LOGGED BY :

HOLE DEPTH	SAMPLE NO PREFIX	ASSAY RESULTS	STRUCT.	GRAPHIC LOG	ALTERATION			GEOLOGY NOTES	SUMMARY	
					SIL.	SER.	PH.		ROCK	ALTERATION
270				1 1 1 1 16 22						
271				F						
272				F						
273				F						
274				F						
275				F						
276				F				qtz-carb vn		
277				F						
278				F						
279				F						
280				F						
281			58°	F						
282				F						
283				F						
284				F				qtz-carb-chl vn		
285				F						
286				F						
287				F						
288				F						
289				F						
290				F						

LDF

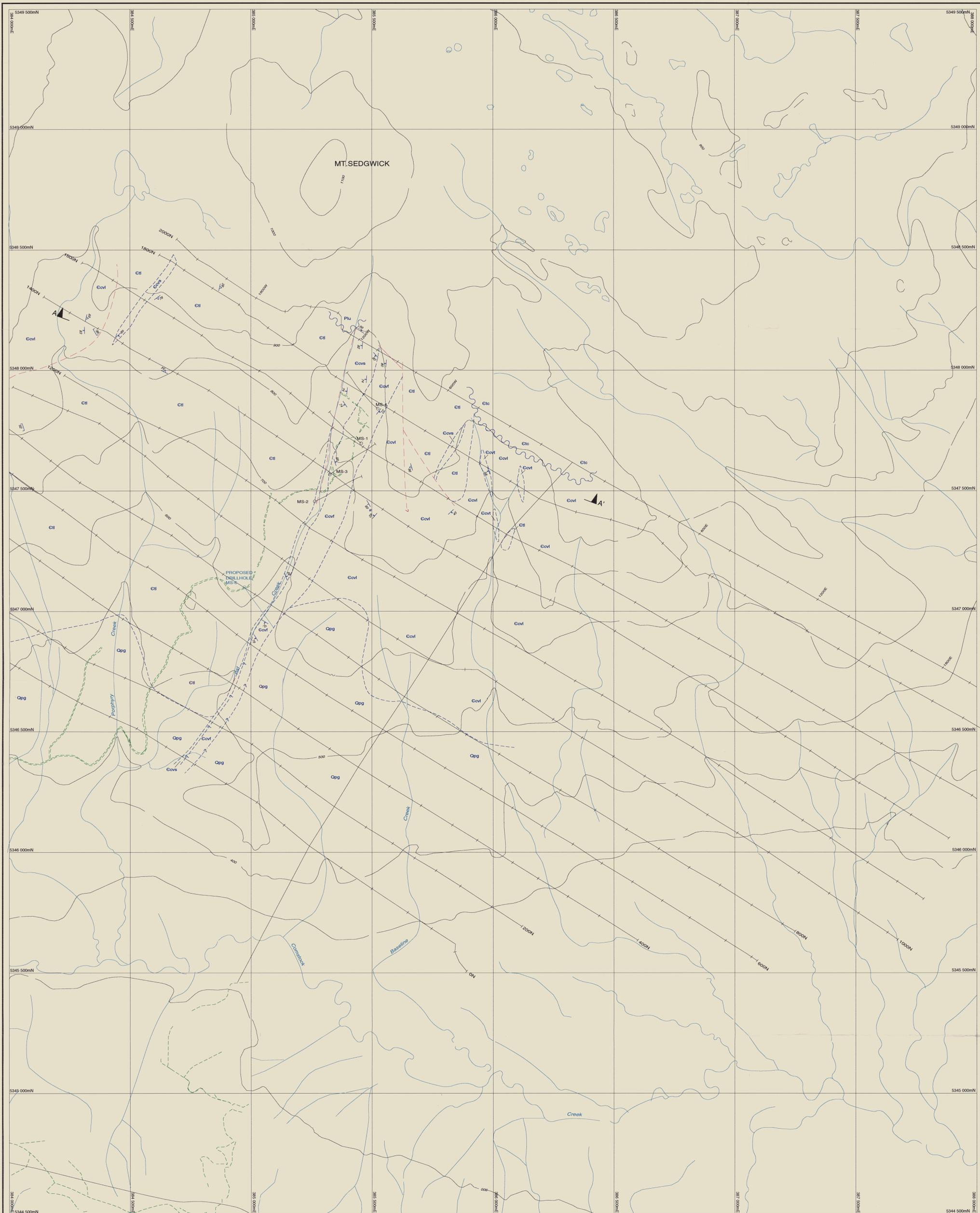
EOH

REMARKS

315952

APPENDIX 2

SAMPLE	AUppm	AGppm	CUppm	PBppm	ZNppm	ASppm	Blppm	FE%
42401	<0.008	<1	14	27	272	<50	<10	3.37
42402	<0.008	<1	53	201	768	<50	<10	4.39
42403	<0.008	<1	15	18	95	<50	<10	2.84
42404	<0.008	<1	14	55	180	<50	<10	1.39
42405	<0.008	<1	16	79	176	<50	<10	1.78
42406	<0.008	<1	12	180	469	<50	<10	1.64
42407	<0.008	<1	34	233	525	<50	<10	2.71
42408	<0.008	<1	53	363	1164	<50	<10	3.79
42409	<0.008	<1	21	307	385	<50	<10	2.47
42410	<0.008	<1	34	181	1509	110	<10	3.9
42411	0.028	<1	5	79	96	<50	<10	2.87
42412	<0.008	<1	10	-3	51	<50	<10	2.39
42413	<0.008	<1	7	14	87	122	<10	3.37
42414	<0.008	<1	67	212	372	108	<10	3.28
42415	<0.008	<1	26	276	1911	<50	<10	0.88
42416	<0.008	<1	7	85	231	<50	<10	1.02
42417	<0.008	<1	2	50	126	<50	<10	1.01
42418	<0.008	<1	4	53	144	<50	<10	0.96
42419	<0.008	<1	3	64	393	<50	<10	0.68
42420	<0.008	<1	55	682	2131	<50	<10	2.17
42421	<0.008	<1	93	89	143	51	<10	2.23
42422	<0.008	<1	61	77	100	60	<10	2.15
42423	<0.008	<1	98	92	125	92	<10	2.49
42424	<0.008	<1	58	95	107	<50	<10	2.31
42425	<0.008	<1	53	54	89	72	<10	2.25
42426	<0.008	<1	53	57	89	82	<10	2.32
42427	<0.008	<1	62	80	138	<50	<10	2.34
42428	<0.008	<1	70	128	136	56	<10	2.18
42429	<0.008	<1	56	144	351	<50	<10	2.41
42430	<0.008	<1	84	370	1002	154	<10	1.82
42431	<0.008	<1	70	363	2533	127	<10	2.18
42432	<0.008	<1	25	108	512	<50	<10	2.4
42433	<0.008	<1	5	81	323	<50	<10	1.89
42434	<0.008	<1	10	94	488	<50	<10	3.06
42435	<0.008	<1	8	110	476	<50	<10	3.33
42436	<0.008	<1	12	245	787	<50	<10	3.92
42437	<0.008	<1	5	106	731	<50	<10	3.46
42438	<0.008	<1	4	49	844	<50	<10	4.55
42439	<0.008	<1	3	79	251	<50	<10	2.64
42440	<0.008	<1	<2	59	520	<50	<10	2.55
42441	<0.008	<1	<2	87	503	<50	<10	2.48
42442	<0.008	<1	4	123	328	<50	<10	2.5
42443	<0.008	<1	<2	91	405	<50	<10	3.19
42444	<0.008	<1	<2	88	259	<50	<10	2.29
42445	<0.008	<1	2	64	198	<50	<10	2.05
42446	<0.008	<1	4	127	169	<50	<10	2.07
42447	<0.008	<1	4	9	58	<50	<10	1.5
42448	<0.008	<1	3	38	114	<50	26	2.64
42449	<0.008	<1	17	15	137	<50	13	3.36



- LITHOLOGICAL CONTACT, POSITION APPROXIMATE
- - - LITHOLOGICAL CONTACT, POSITION INFERRED
- ~ UNCONFORMITY
- FAULT, POSITION ACCURATE
- - - FAULT, POSITION APPROXIMATE
- ~ FAULT, POSITION INFERRED
- ↘ DIP & STRIKE OF BEDDING (FACING KNOWN)
- ↘ DIP & STRIKE OF BEDDING (FACING UNKNOWN)
- ↘ DIP & STRIKE OF FOLIATION
- ↘ DIP & STRIKE OF FLOW BANDING
- ⊕ PLUNGING MICROFOLD
- ⊕ FACING INDICATOR: GRADED BEDDING

QUATERNARY	Opg	PLEISTOCENE GLACIAL GRAVEL
	Plu	TILLITE
PERMIAN	Ctc	REWORKED EPICLASTIC
	Ctl	QUARTZ- AND FELDSPAR-PHYRIC RHYOLITE LAVA
	Ccvs	BLACK SHALE
	Ccvt	INTERBEDDED COARSE AND ASHY VOLCANICLASTIC
	Ccvt	SILTY VOLCANICLASTIC
CAMBRIAN	Ccvt	FELDSPAR-PHYRIC DACITE LAVA

SHEET LAYOUT

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

GEOLOGIST: D. BOYD	
DRAWN: M. WALTER	
DATE: JUNE 94	
CHECKED:	
1:25000	
REF:	

97-3983

ANNUAL REPORT - ELS 102/87 55/89 1292
RGC EXPL. - JOYCE, VICARY, GREGORY

RGC EXPLORATION PTY. LIMITED

E.L. 102/87 BEATRICE PROSPECT

GEOLOGICAL INTERPRETATION

315954

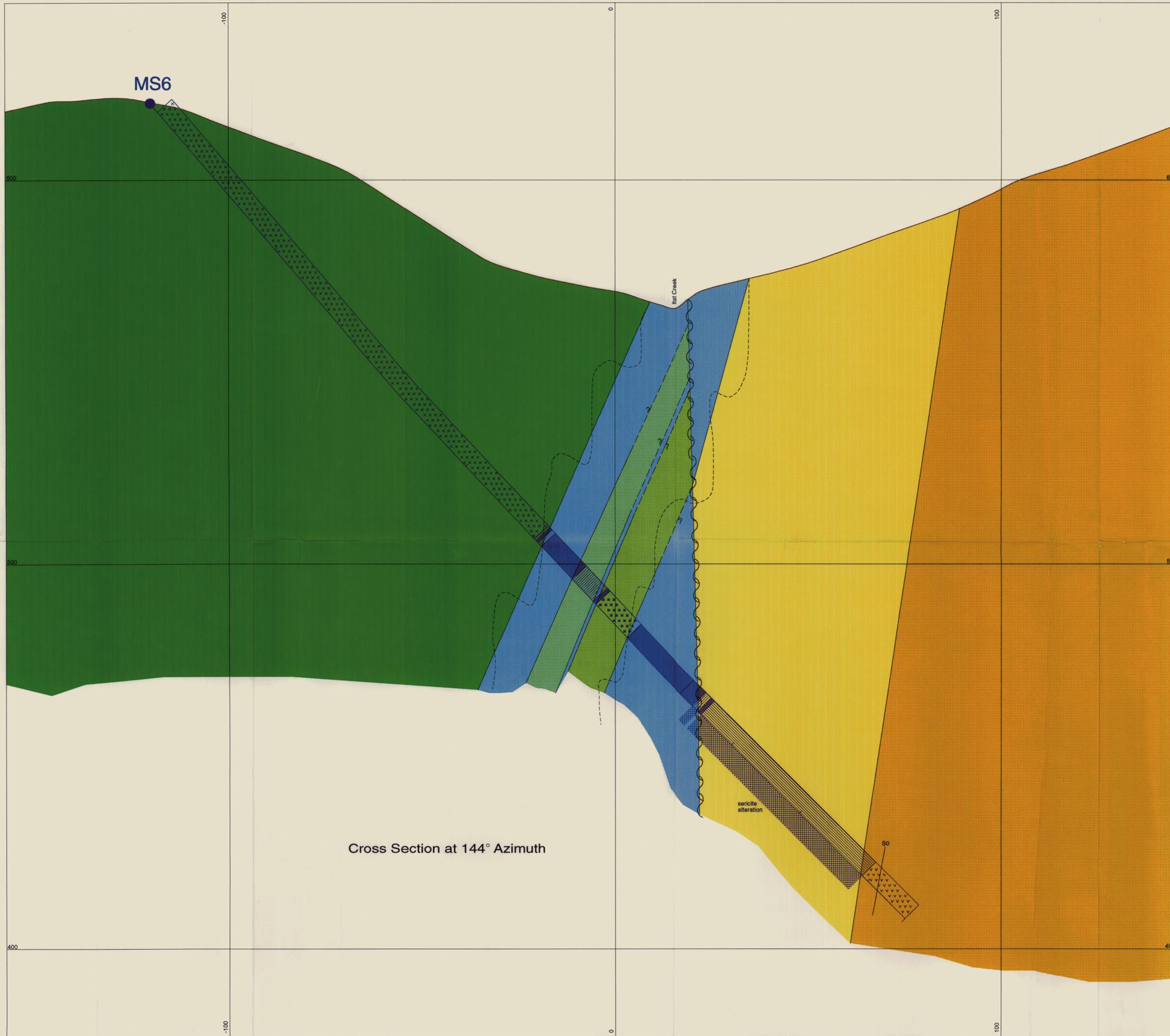
5 cm

0 50 100 200 300 400m

SCALE 1:5000

PLAN 1

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FILENAME: BEATRICE

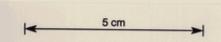


Cross Section at 144° Azimuth

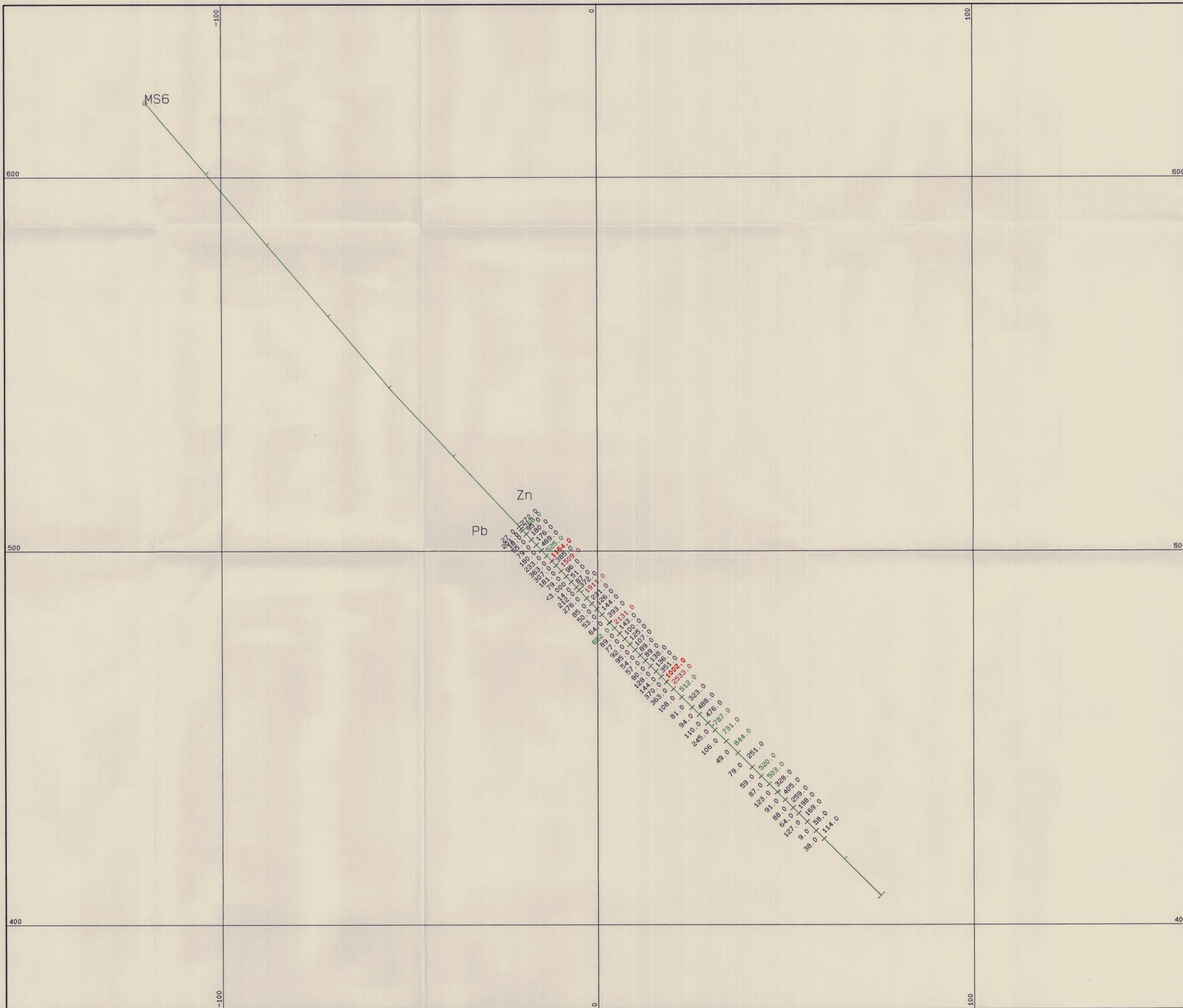
- GEOLOGY**
- QUATERNARY
 - Glacial talus
 - ORDOVICIAN
 - Owen conglomerate
 - TYNDALL GROUP
 - Qtz-feldspar phyric rhyolite lava + shale + volcanoclastics
 - Pale green, medium-coarse grained rhyolite volcanoclastic
qtz-felds crystal-rich + lithics. Rare gn-sph stringers.
 - Black-grey, laminated, pyritic shale-siltstone calcareous in part.
 - Fine-grained, pink, rhyolite intrusive
 - CENTRAL VOLCANIC SEQUENCE
 - Foliated, green, fine-coarse grained rhyolite-dacite volcanoclastic.
Pumiceous, variable qtz-felds crystals + lithics, sericite altered,
patchy albite alteration.
 - Feldspar phyric to aphyric dacite lava
 - Fault (inferred)
 - Shear zone

97-3983

ANNUAL REPORT - ELS 102/87.55/89.12/92
RGC EXPL. - JOYCE, VICARY, GREGORY



RGC Exploration			
			315055
Member of the Renison Goldfields Consolidated Group			
TASMANIA BASE METALS			
BEATRICE PROSPECT E.L. 102/87			
GEOLOGY CROSS SECTION DRILLHOLE MS6			
Reference Files :	Compiled :	Date :	Scale :
Topography : XX	K.Joyce	July 1996	1 : 500
Geology : XX	Drawn :	Revision Date :	A.M.G. Map Zone :
Aeromag : XX	M.Walter	July 1996	55
Tenement : XX	Drawing Path :	Drawing Name :	PLAN 2
	c:\ms-draft\garfield\sect	2309b224.dgn	



Plotted with

MICROMINE
 Resources Software
 Perth, Australia
 Tel +61 9 389 8722
 Fax +61 9 386 7462

RGC Exploration P/L

KEY

Pb - Zn (ppm)

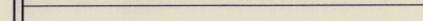
<500

500 - 1000

1000 - 1500

>1500

Scale 1: 500	DATE 21/06/96	SHEET 1 of 1
	REF No. 1	



BEATRICE DDH - MS6

Pb - Zn

(SECTION AT 144AMG)

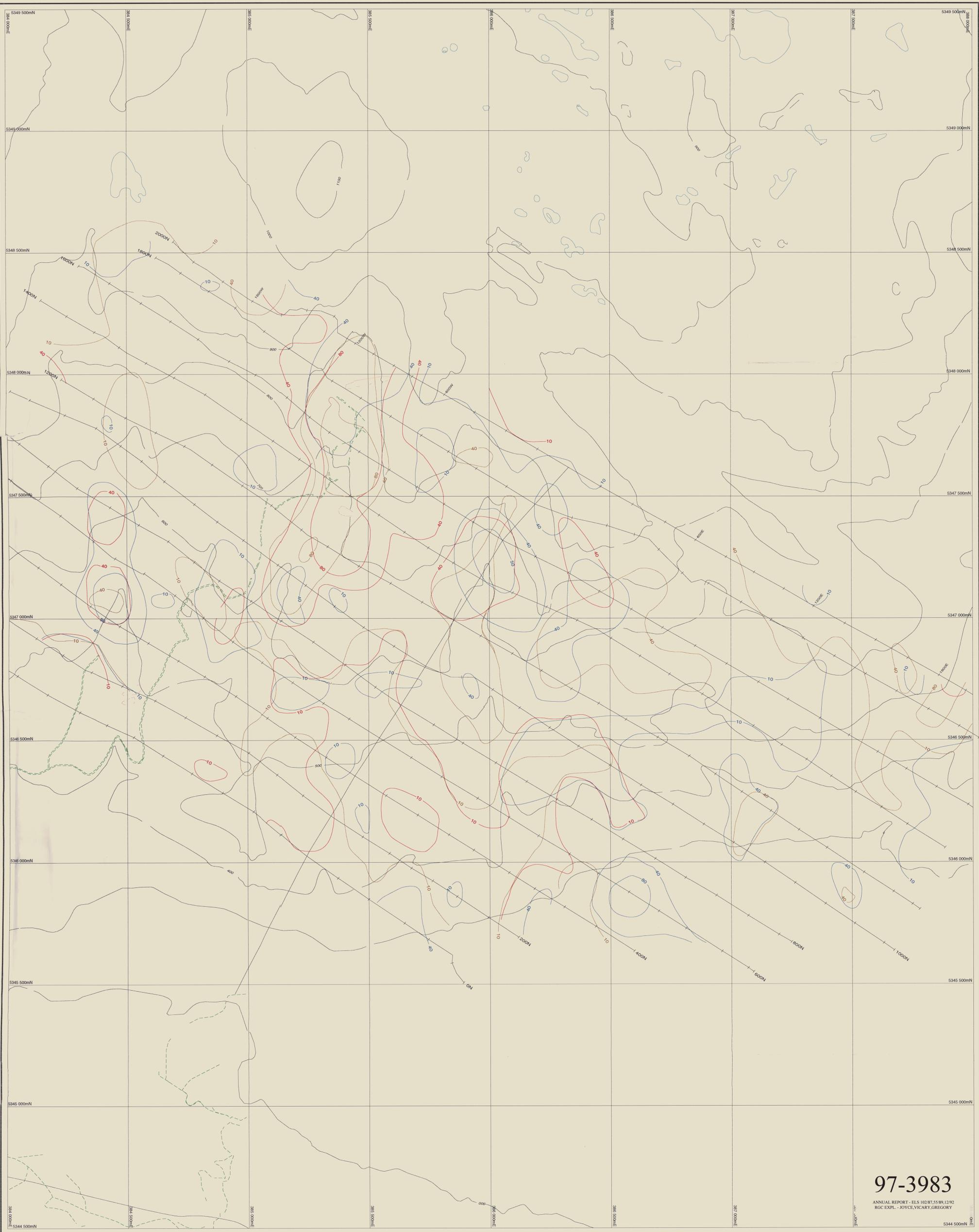
5 cm

PLAN 4

315057

97-3983

ANNUAL REPORT - ELS 102/87.55/89.12/92
 RGC EXPL. - JOYCE, VICARY, GREGORY



97-3983

ANNUAL REPORT - ELS 10287.55/89.12/92
 RGC EXPL. - JOYCE, VICARY, GREGORY

REFERENCE FROM: HUTTON, M.J. 1980. BEATRICE GRID IN K.O. READ, R.M.D. MEARES
 A.C. WALTER, M.J. HUTTON AND G.D. RAKE (AUTHORS)
 EXPLORATION LICENCE 986 ANNUAL REPORT
 1978/80 UNPIS. MOUNT LYELL MINING AND
 RAILWAY COMPANY LIMITED REPORT, DEC. 1980.

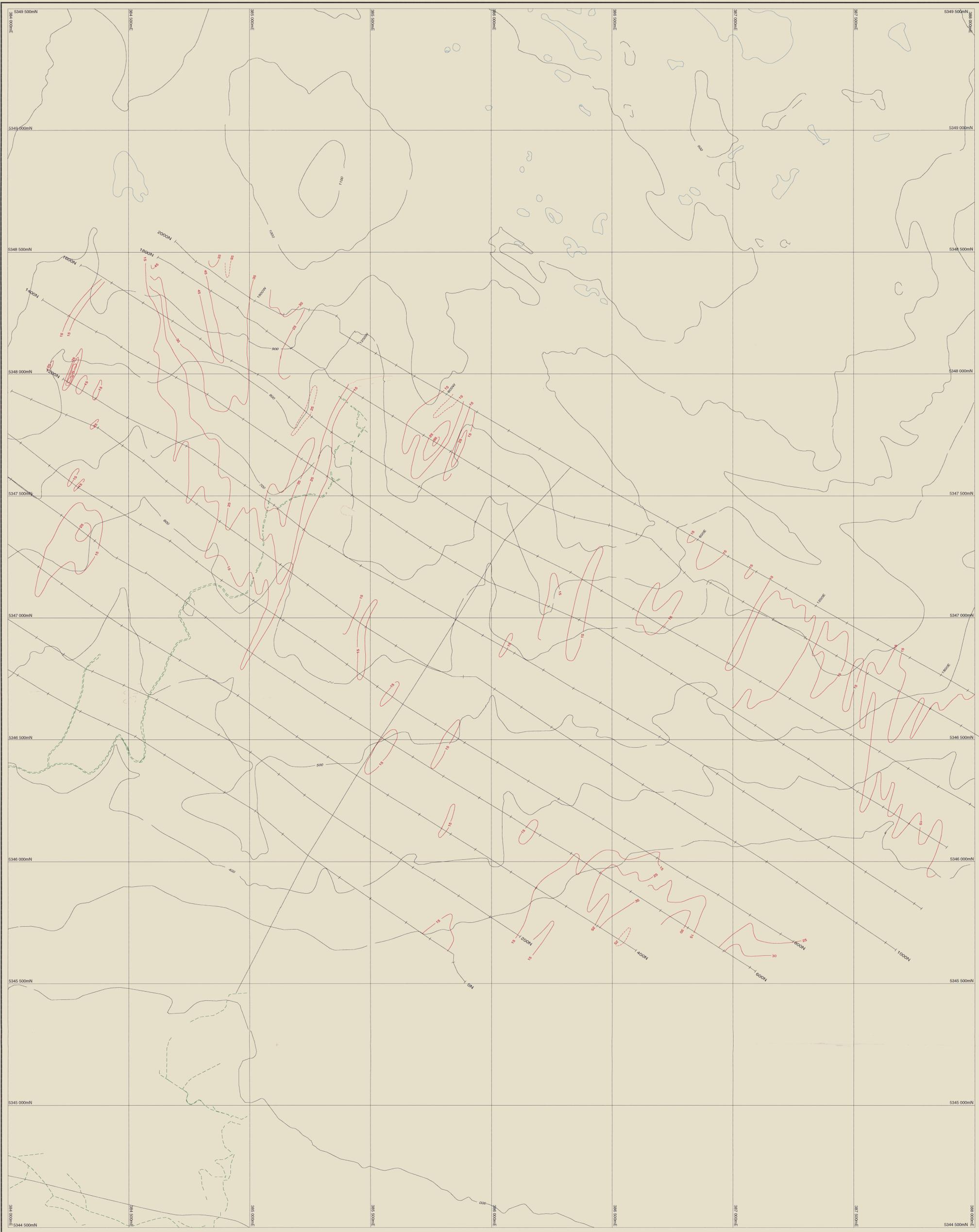
- ZINC GEOCHEMISTRY (ppm)
- LEAD GEOCHEMISTRY (ppm)
- COPPER GEOCHEMISTRY (ppm)

SHEET LAYOUT

SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5

	RGC EXPLORATION PTY. LIMITED		E.L. 10287.55/89.12/92 BEATRICE PROSPECT
	GEOLOGIST	D. BOYD	SOIL GEOCHEMISTRY Cu Pb Zn
	DRAWN	M. WALTER	
	DATE	JUNE 94	 SCALE 1:5000
CHECKED			
REF.		315053	PLAN 5

DRAWING ID: 6636172
 FILENAME: BEATRICE



REFERENCE FROM: HUTTON, M.J., 1980. BEATRICE GRID IN K.O. READ, P.M. A.C. WALTER, M.J. HUTTON AND G.D. RAKEAU THOMAS' EXPLORATION LICENCE 3155 ANNUAL REPORT 1979/80 UNPUBLISHED MOUNT LYELL MINING AND RAILWAY COMPANY LIMITED REPORT, DEC. 1980.

97-3983

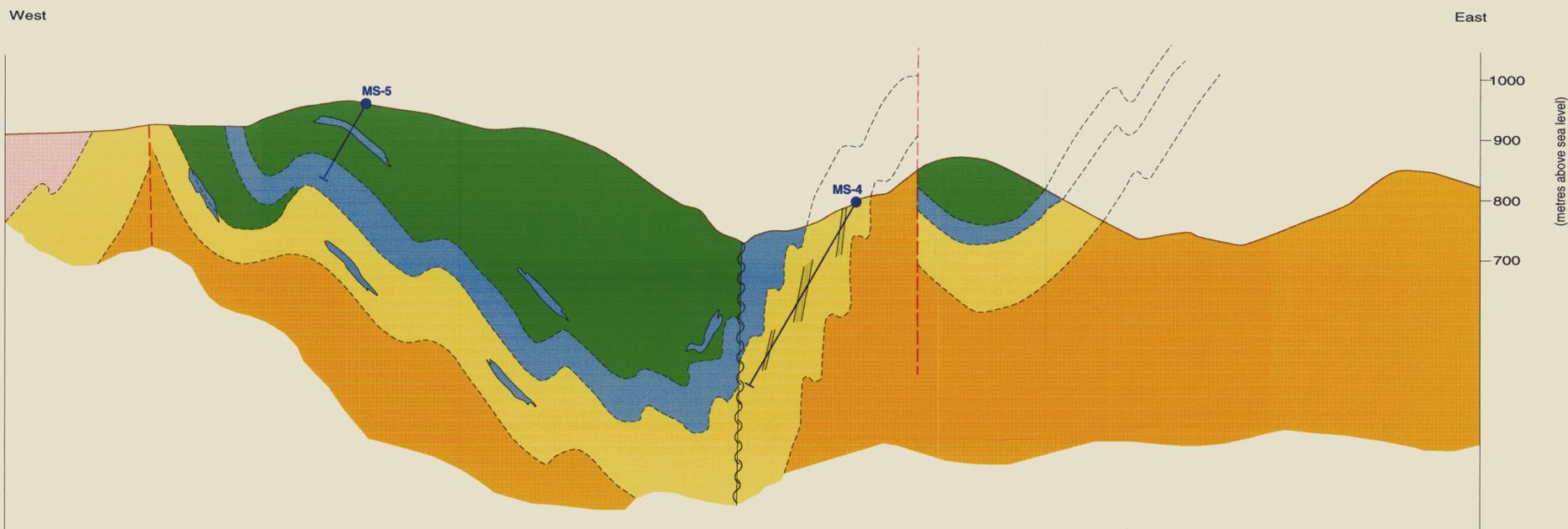
ANNUAL REPORT - ELS 102/87,55/89,12/92
RGC EXPL. - JOYCE, VICARY, GREGORY

SHEET LAYOUT

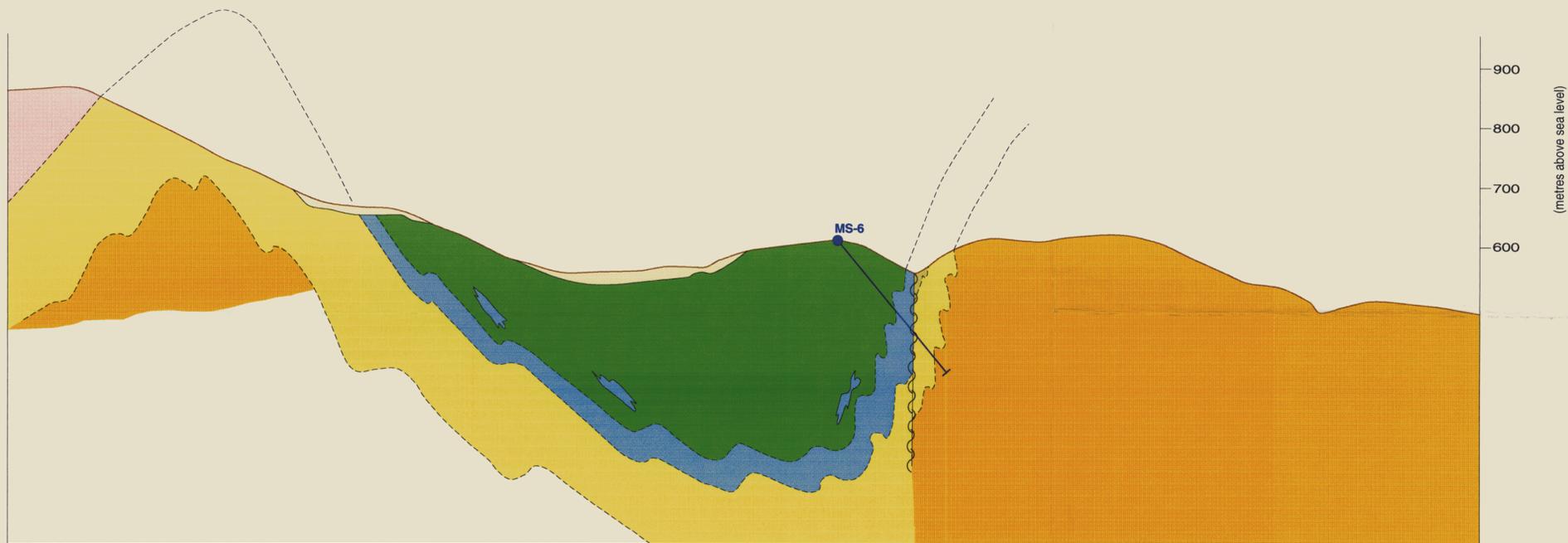
SHEET 1	SHEET 1B
SHEET 2	
SHEET 3	
SHEET 4	
SHEET 5	

— CHARGEABILITY CONTOUR (msecs)
- - - CHARGEABILITY CONTOUR - LOW (msecs)

RGC EXPLORATION PTY. LIMITED		E.L. 102/87 BEATRICE PROSPECT		
	GEOLOGIST: D. BOYD DRAWN: M. WALTER DATE: JUNE 94 CHECKED: REF.:	31509	CONTOURED CHARGEABILITY	
	 SCALE 1:5000		5 cm	
	DRAWINGS ID: 5539/172 FILENAME: BEATRICE		PLAN 6	



Section Line 1800N
Scale 1:5000, V=H



Section Line 800N
Scale 1:5000, V=H

- GEOLOGY**
- QUATERNARY
 - Glacial talus
 - ORDOVICIAN
 - Owen conglomerate
 - TYNDALL GROUP
 - Qtz-feldspar phyrlic rhyolite lava & shale? & volcanics?
 - Black shale-siltstone & rhyolite volcanics
 - CENTRAL VOLCANIC SEQUENCE
 - Dacite-rhyolite volcanics & shaley beds
 - Dacite lavas with volcanics
 - Fault (inferred)
 - Shear zone

315060

97-3983

ANNUAL REPORT - ELS 102/87,55/89,12/92
RGC EXPL. - JOYCE, VICARY, GREGORY



RGC Exploration			
Member of the Renison Goldfields Consolidated Group			
TASMANIA BASE METALS			
BEATRICE PROSPECT E.L. 102/87			
GEOLOGICAL INTERPRETATION CROSS SECTIONS			
Reference Files :	Compiled :	Date :	Scale :
Topography : XX	K.Joyce	July 1996	1 : 5000
Geology : XX	Drawn :	Revision Date :	A.M.G. Map Zone :
Aeromag : XX	M.Walter		55
Tenement : XX	Drawing Path :	Drawing Name :	PLAN
	c:\ms-draft\garfield\sect	2309b227.dgn	