

**OPEN FILE**EXPLORATION LICENCE NO.  
15/92

("Beulah")

ANNUAL REPORT  
AUGUST 1993 - JULY 1994(volume 1 of 1)  
**MICROFILMED**  
FICHE No. 013193-94*Magnetic tape held*

Compiled by:

MICHAEL J VICARY  
Contract Geologist

Endorsed by:

Dr S.W. HALLEY  
Senior Geologist (Tasmania)

28 July 1994

94-3588

Report No:

Distribution:

- Tasmanian Department of Mines
- RGC Exploration - Zeehan
- RGC Exploration - Perth

MINES		
FILE REF.		
21 JUL 1994		
DOC. REF.		
OFFICER	FOR ACTION	FOR INFO.
SEE COVERING		
LETTER FOLIO 61		

*764.*

## CONTENTS

	Page No.
SUMMARY	iii
1. INTRODUCTION	1
2. LAND TENURE	2
3. PREVIOUS EXPLORATION	2
4. WORK COMPLETED	
4.1 Gridding	4
4.2 Soil Survey	4
4.3 Ground Magnetic Survey	5
4.4 Additional Rock Chip Sampling	5
4.5 Reconnaissance Mapping in the Mersy River Area	5
5. RESULTS	
5.1 Soil Survey	6
5.2 Ground Magnetic Survey	6
5.3 Additional Rock Chip Sampling	6
5.4 Reconnaissance Mapping in the Mersy River Area	7
6. RECOMMENDATIONS	8
7. REFERENCES	9

## LIST OF PLANS AND FIGURES

		Drg. ID	Scale
FIGURE 1	Locality Map	5534/001	1:250 000
FIGURE 2	V v Ti and Sc Plots	5535/	
FIGURE 3	Ground Magnetic Trends (See Appendix 3)	5535/	1:25 000
PLAN 1	Geological Interpretation	5534/004	1:10 000
PLAN 2	Soil Sample Location Plan	5534/004	1:10 000
PLAN 3	Total Magnetic Intensity		1:10 000

## LIST OF APPENDICES

APPENDIX 1	Soil Geochemistry
APPENDIX 2	Ground Magnetism Survey
APPENDIX 3	Rock Chip Geochemistry

**SUMMARY**

E.L. 15/92 situated southeast of Sheffield in northern Tasmania was acquired for its potential to contain volcanic-hosted massive sulphide mineralisation within intermediate Cambrian volcanic rocks, the Beulah Formation. Previous exploration which concentrated on an old Barite Prospect within altered andesitic lavas and volcanoclastics, showed that mineralisation is related to a Cambrian Volcanogenic hydrothermal system.

Exploration in the period August 1993 - July 1994 centred on a previously untested area of Beulah Formation to the north of the Barite Prospect. A grid was established and soil sampling and a ground magnetic survey performed. Additional exploration included limited geological reconnaissance and rock chip sampling.

It is recommended that the Beulah Formation to the east of the Barite Prospect be explored in the following year. A ground magnetic and soil survey are planned.

## 1. INTRODUCTION

E.L. 15/92 - Beulah is held by Renison Ltd and explored by RGC Exploration (RGCE), both wholly owned subsidiaries of RGC Limited. The licence was granted in August 1992 as the result of a successful tender application. The tenement, situated south of Sheffield in northern Tasmania, currently covers 122 sq km (Fig. 1.).

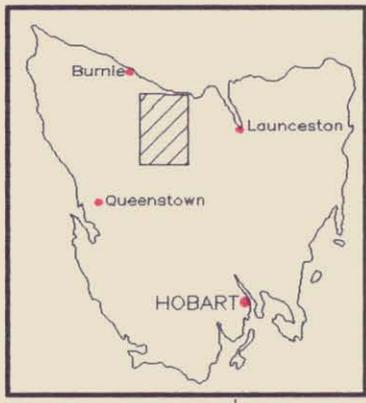
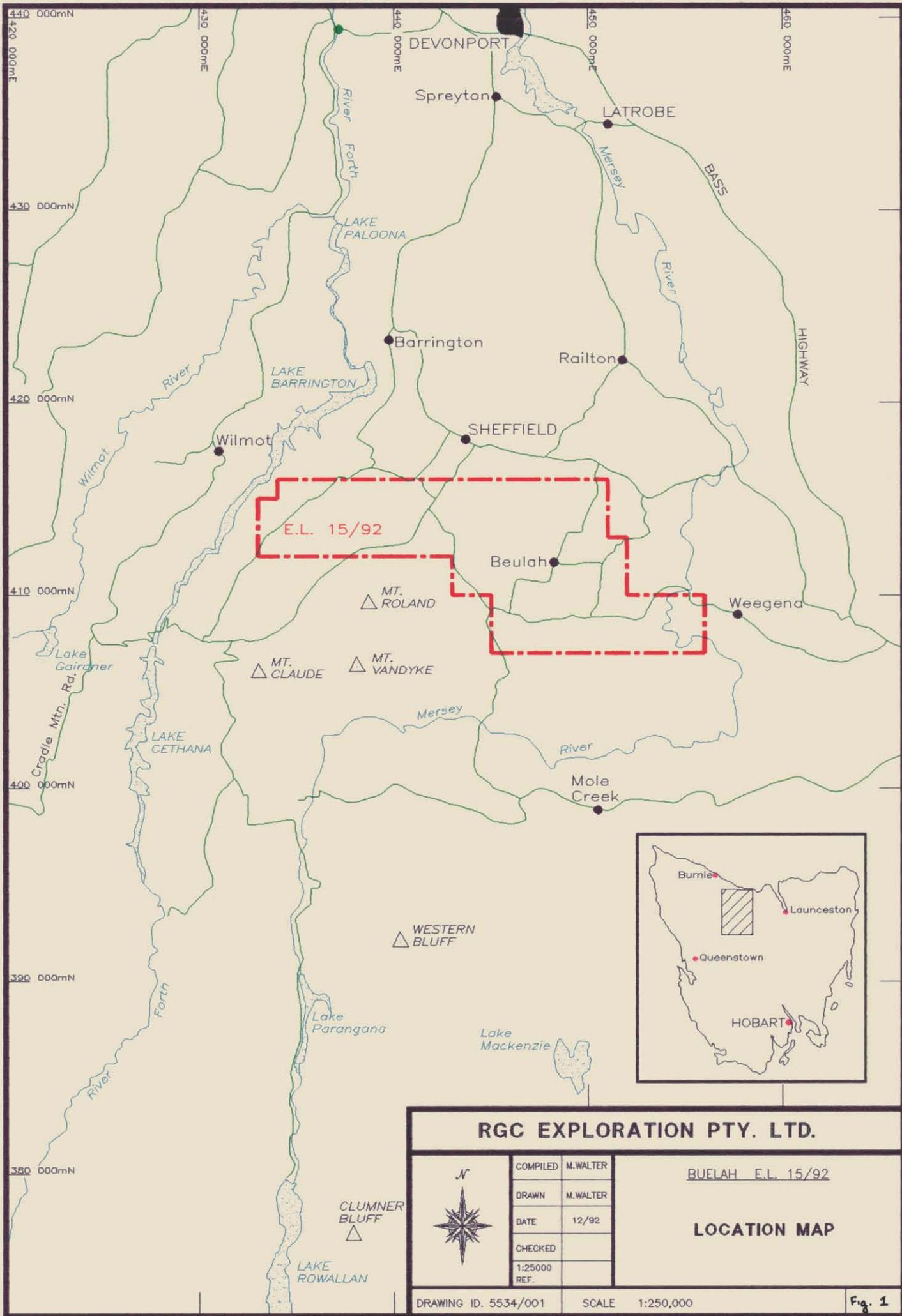
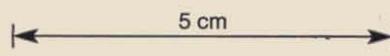
E.L. 15/92 was acquired for its potential to contain volcanic-hosted massive sulphide (VHMS) mineralisation within intermediate Cambrian volcanic rocks. The Cambrian Beulah Formation is part of the Calc-alkaline Mount Read Volcanics and in particular shows similarities to the Que-Hellyer Volcanics which host the Hellyer and Que River mines. Pb isotope characterisation undertaken on samples from the Barite Prospect, a vein system mined in the 1920's, suggest these samples were related to a Cambrian volcanogenic hydrothermal system. Samples of barite submitted by RGCE for Sr isotope analysis also confirm the similarity of the Beulah barite to those around Hellyer.

Much of the previous work by Aberfoyle Resources and CRA Exploration concentrated on the area surrounding the Barite Prospect. Detailed mapping, several geophysical and geochemical surveys and diamond drilling failed to detect a significant VHMS deposit close to the old mine. This small area has been adequately tested by previous exploration.

Aberfoyle also covered most of the prospective Beulah Formation with a grid based soil geochemical survey. A broad 2 x 1 km Zn anomaly was defined on the western margin of the Beulah Formation to the north of the Barite Prospect. A subsequent UTEM survey failed to return any responses attributable to massive sulphide mineralisation and the ground was relinquished.

Exploration by RGCE in its first year of tenure consisted of regional 1:10000 and 1:5000 mapping over the broad soil anomaly recognised by Aberfoyle. A detailed bedrock sampling air core program was conducted over areas with the most anomalous Zn values. This effectively reproduced and enhanced the magnitude of the base metal anomaly.

This report details work done by RGCE in its second year of tenure between August, 1993 and July, 1994. The prospective Beulah Formation to the north of the Zn soil anomaly has been tested by a detailed soil sampling program and by a ground magnetics survey.



**RGC EXPLORATION PTY. LTD.**

	COMPILED	M. WALTER	<p style="margin: 0;">BUELAH E.L. 15/92</p> <p style="margin: 0;"><b>LOCATION MAP</b></p>
	DRAWN	M. WALTER	
	DATE	12/92	
	CHECKED		
	1:25000 REF.		
DRAWING ID: 5534/001		SCALE 1:250,000	Fig. 1

## 2. LAND TENURE

E.L. 15/92 was granted to Renison Ltd on 28th August 1992. This was the result of a successful tender for E.T.A. 281 - Beulah (41 sq. km) and a subsequent application for a further 55 sq.km to make a single coherent block of land.

In May 1992 after the initial application was lodged, RGC tendered for a 17 sq km portion of E.T.A. 292 - Gowrie Park, adjacent to E.L. 15/92. In December 1992 that area (E.L. 31/92) was granted and incorporated into E.L.15/92 bringing the size of the tenement to 113 sq km.

In November 1993 and additional 3 sq km was granted and following minor boundary modification E.L. 15/92 had an area of 122 sq km. A 0.2 sq km Crown Reserve and a 2 ha Mining Lease are excluded from the lease.

The area comprises: State Forest (Multiple Use Forest Land and Deferred Forest Land), Private Property, Crown Land, Lake Barrington State Recreation Area, "Lizard Hill RAP" (Crown Land), and the Barrington North RAP (State Forest).

## 3. PREVIOUS EXPLORATION

The previous exploration in the Beulah - Lower Beulah area is summarised below:-

E.L. NUMBER	COMPANY	TENURE
15/65	BHP	1965-67
11/70	McClarm Prospecting Syndicate	1970-75
14/70	Scamander Mining Company	1970-75
7/73	CRA/ ASARCO	1973-87
49/82	AMAX/ AUSTAMAX	1982-85
43/85	Aberfoyle Resources	1985-91
11/88	Aberfoyle Resources	1988-91
15/92	RGC Exploration	1993-

Early exploration in the Beulah - Lower Beulah area was by BHP who conducted a regional aeromagnetic survey in 1966.

In 1970-75 the McClarm Prospecting and the Scamander Mining Company conducted preliminary exploration in the vicinity of the Beulah Barite Prospect. This included 1:1000 mapping, drainage and soil sampling. A gravity survey was conducted over the Barite Prospect by the Department of Mines.

Between 1973 to 1987 CRAE/ ASARCO conducted exploration in the Beulah - Lower Beulah area. This consisted of an initial regional stream sediment sampling program and a regional Dighem II airborne electromagnetic/resistivity and magnetic survey. This was proceeded by further detailed work in the vicinity of the Barite Prospect. Following gridding, soil, ground magnetic and UTEM surveys eight diamond drill holes were drilled.

Work done by AMAX/ AUSTAMAX between 1982 and 1985 consisted of initial ground follow up of anomalies identified by the Asarco regional surveys followed by a Dighem survey over the SE part of E.L. 15/92.

Aberfoyle Exploration conducted a detailed exploration program in the Beulah - Lower Beulah area between 1988 to 1991. This included extensive gridding, soil sampling, rock chip sampling, ground magnetics and UTEM surveys. One diamond drill hole was drilled at the Barite Prospect (Rand, 1990).

In the first year of tenure work done in E.L. 15/92 consisted of a detailed literature survey of previous exploration, 1:10000 and 1:5000 geological mapping and 59 rock chip samples were collected for AAS and Neutron Activation Analysis. 148 air core samples were collected from a basemetal anomalous zone previously detected by Aberfoyle Resources. The results of this program verified and enhanced the magnitude of the base metal anomaly and showed that C-horizon soil sampling is a useful, valid and cheap form of exploration over the deeply weathered area of Beulah Formation andesites. The previous exploration within EL 15/92 is discussed in more detail in Vicary and Jackson, 1993.

#### 4. WORK COMPLETED

##### 4.1 Gridding

A 44.5 line km grid was established in the Beulah area during August 1993 and covered a previously unexplored area of Beulah Formation. It is to the north of the area covered by the Aberfoyle Grid. Gridlines were oriented East - West and were 100 m apart with pegs every 25 m.

As the area covered by the grid was mainly over Private Land, Landowners were routinely contacted prior to any work and were informed of any subsequent movements. Since the grid traversed actively farmed land, the grid pegs were removed once exploration activities ceased.

##### 4.2 Soil Survey

804 soil samples were collected at 25 m intervals on every second grid line (Plan 2). They were subsequently analysed for a variety of elements by Analabs. Analysis details are tabulated below and sample locations and assays given in Appendix One.

Technique	Method	Elements	Digests
GA140	AAS	Cu, Pb, Zn, Mn, As	Aquaregia/Perchloric Acid
GA104	AAS	Cu, Pb, Zn, Mn	Aquaregia, Perchloric and Hydrofluoric Acid
HA140	Hydride Generation-AAS	As	Aquaregia/Perchloric Acid

#### **4.3 Ground Magnetism Survey**

A Ground Magnetism Survey was conducted over the complete grid in late August 1993. Survey specifications are given in Appendix 2 and data is supplied in the accompanying floppy disc.

#### **4.4 Additional Rock Chip Sampling**

Nine rock chip samples collected during regional mapping in early 1993 were analysed for a variety of elements by Analabs and Becquerel Laboratories in September 1994. Results and sample locations are given in Appendix 3 and on Plan 1.

#### **4.5 Reconnaissance Mapping in the Mersy River Area**

One day of reconnaissance geological mapping was made along the south bank of the Mersy River, upstream from Kellys Bridge (see Plan 1). The aim was to define the eastern and/or southern limit of the Beulah Formation prior to the proposed establishment of a grid in late 1994.

## 5. RESULTS

### 5.1 Soil Survey

The assay results from the soil sampling program are included in Appendix 1. In general only low level basemetal values were detected. Maximum values of 750 ppm Cu, 1235 ppm Pb and 466 ppm Zn were reported. Preliminary examination of the data shows that there is a distinct zone of high lead values at the western ends of Lines 1400N to 2000N. This corresponds to a region of Gog Range Greywacke. A zone of relatively high Cu values is evident within Beulah Andesites near the western contact with the Gog Range Greywacke between lines 2000N and 3200N.

### 5.2 Ground Magnetic Survey

The Ground Magnetics data is briefly discussed in Appendix 2. (See Plan 3.) In addition to the three trends recognised by the geophysicist there is a fourth lineament in the northeast of the grid (L4 - Fig. 3). This essentially corresponds to a linear contact between the Beulah Andesites, and Permian Tillite and Jurassic Dolerite. It most probably reflects a fault zone. Another feature worthy of note is the apparent variability of the magnetic character of the Beulah Andesites. In the north of the grid the andesite has a stronger magnetic response than the andesites in the south. These less magnetic andesites typically have higher basemetal contents.

### 5.3 Additional Rock Chip Samples

Nine rock chip samples collected during regional mapping in early 1993 were analysed by Analabs and Becquerel Laboratories in September 1993. Results are presented in Appendix 3. Six samples are of the Beulah Andesite and three are of the Beulah Granite. Five additional samples were not assayed. Sample locations are given on Plan 1.

Plots of Ti v V and V v Sc (Figure 2.) clearly show that the granite and the andesite plot on the same linear trend. This suggests a close genetic relationship, and a comagmatic origin between the granite and the andesite is likely. It is most probable that the Beulah Granite is the plutonic equivalent of the andesites. It should be noted that the

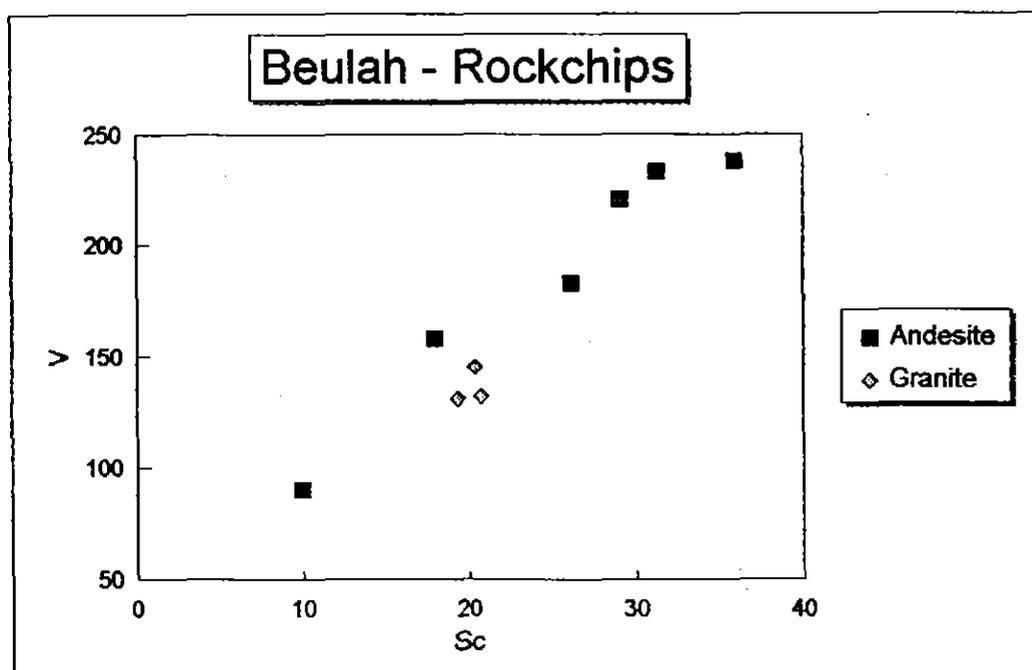
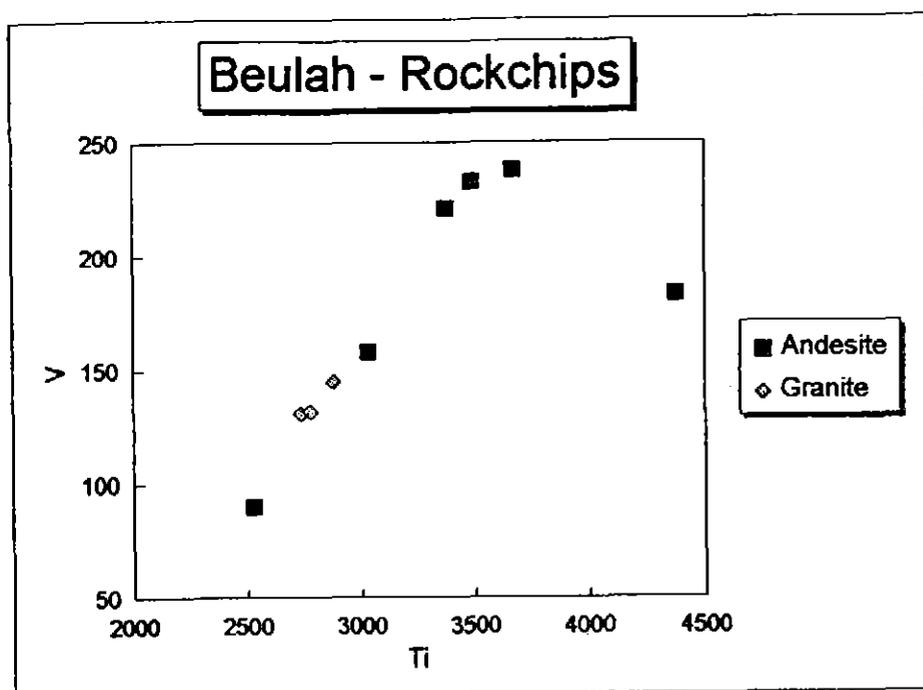


Figure 2. Plots of V v Ti and Sc for Beulah Andesite and Beulah Granite Rock Chip Samples.

term Beulah "Granite" is used loosely to describe the coarse grained interlocking plutonic texture of the rock. In hand specimen the rock rarely exceeds 5-10% modal quartz and is most likely granodioritic to dioritic in composition.

#### **5.4 Reconnaissance Mapping in the Mersy River area**

One day of reconnaissance was made along the south bank of the Mersy River upstream from Kellys Bridge. The aim was to determine the eastern/southern limit of the Beulah Andesite prior to establishment of a grid in late 1994. The mapping revealed a complex sequence of interbedded feldspar phyric dacitic to andesitic volcanoclastic sandstones, lithicwacke, greywacke and quartz-feldspar phyric volcanoclastic sandstones, possibly correlated with the Gog Range Greywacke and Minnow Keratophyre, although stratigraphic relationships are unclear. Fact mapping is shown on Plan 1. Samples T34978-T34985 have been sent for chemical analysis. Results are as yet unavailable.

## **6. RECOMMENDATIONS**

The Beulah Formation to the north of the Barite Prospect has now been tested by soil sampling and ground magnetic surveys. Although a zone of anomalous Zn has been located the exploration program to date has generated no targets worthy of follow up diamond drilling. It is recommended that further exploration should concentrate in the poorly known area of Beulah Formation to the east of the Barite prospect. A grid should be established to cover the Beulah Formation and Gog Range Greywacke contact in the Treloars Road - Mersy River area. The grid should consist of approximately 10 meridionally trending lines at 200m apart and soil sampling and ground magnetic surveys performed. The grid should be mapped at 1:2500 scale.

**REFERENCES**

Rand, S.W., 1990. EL 43/85 Beulah, Tasmania. Progress Report for the Year ended April 29, 1990. Aberfoyle Resources Limited.

Vicary, M.J., and Jackson, S. 1993. EL 15/92 Beulah, Tasmania. Annual Report August 1992 -July 1993. RGC Exploration Pty Ltd.

APPENDIX 1

Soil Geochemistry

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn 2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44001	5,411,337.0	448,057.0	CC	19/08/93	0.90	19.000	21.000	75.000		117.000	142.000	10.500
44002	5,411,334.0	448,079.0	CC	19/08/93	1.20	51.000	50.000	242.000	5900.000		423.000	25.000
44003	5,411,331.0	448,102.0	CC	19/08/93	1.20	19.000	513.000	220.000		3395.000	503.000	19.000
44004	5,411,328.0	448,124.0	CC	19/08/93	1.20	26.000	280.000	228.000		776.000	399.000	12.000
44005	5,411,325.0	448,147.0	CC	19/08/93	0.90	61.000	60.000	135.000	5700.000		389.000	12.000
44006	5,411,321.0	448,169.0	CC	19/08/93	1.20	19.000	47.000	148.000		487.000	601.000	14.500
44007	5,411,318.0	448,192.0	CC	19/08/93	1.20	29.000	106.000	139.000		526.000	309.000	15.000
44008	5,411,315.0	448,214.0	CC	19/08/93	1.20	25.000	151.000	205.000		2109.000	94.000	6.500
44009	5,411,312.0	448,237.0	CC	19/08/93	1.00	10.000	93.000	466.000		1212.000	103.000	15.500
44010	5,411,309.0	448,259.0	CC	19/08/93	1.20	31.000	162.000	267.000		1048.000	106.000	14.500
44011	5,411,305.0	448,282.0	CC	19/08/93	1.10	7.000	30.000	271.000		1306.000	89.000	5.500
44012	5,411,302.0	448,304.0	CC	19/08/93	1.20	16.000	120.000	274.000		2224.000	102.000	6.500
44013	5,411,301.0	448,329.0	CC	19/08/93	1.20	12.000	143.000	143.000		488.000	96.000	4.000
44014	5,411,300.0	448,353.0	CC	19/08/93	0.80	38.000	385.000	113.000		564.000	296.000	21.000
44015	5,411,299.0	448,378.0	CC	19/08/93	1.20	60.000	52.000	104.000		250.000	525.000	21.000
44016	5,411,301.0	448,406.0	CC	19/08/93	1.20	37.000	91.000	75.000		251.000	646.000	8.000
44017	5,411,304.0	448,434.0	CC	19/08/93	1.20	25.000	108.000	144.000	6200.000		274.000	10.000
44018	5,411,306.0	448,463.0	CC	19/08/93	1.20	26.000	117.000	156.000	8500.000		254.000	10.000
44019	5,411,308.0	448,491.0	CC	19/08/93	1.20	36.000	180.000	176.000	9800.000		308.000	15.000
44020	5,411,310.0	448,519.0	CC	19/08/93	1.20	46.000	171.000	187.000	20900.000		293.000	10.000
44021	5,411,310.0	448,546.0	CC	19/08/93	1.20	70.000	155.000	188.000	11300.000		396.000	10.000
44022	5,411,311.0	448,573.0	CC	19/08/93	1.20	72.000	128.000	178.000	17400.000		414.000	9.000
44023	5,411,311.0	448,600.0	CC	19/08/93	1.20	61.000	103.000	184.000	8100.000		385.000	11.000
44024	5,411,311.0	448,627.0	CC	19/08/93	1.20	59.000	111.000	210.000	11800.000		351.000	10.000
44025	5,411,311.0	448,654.0	CC	19/08/93	1.20	69.000	99.000	138.000	10500.000		414.000	13.000
44026	5,411,312.0	448,681.0	CC	19/08/93	1.20	69.000	62.000	116.000	6400.000		385.000	7.000
44027	5,411,312.0	448,708.0	CC	19/08/93	1.20	68.000	57.000	101.000	6900.000		384.000	6.500
Remarks: SOME QUARTZ PCS												
44028	5,411,312.0	448,735.0	CC	19/08/93	1.20	59.000	82.000	109.000	9600.000		340.000	7.000
44029	5,411,312.0	448,762.0	CC	19/08/93	1.20	67.000	87.000	165.000		926.000	337.000	11.500
44030	5,411,313.0	448,789.0	CC	19/08/93	1.20	43.000	36.000	89.000		337.000	258.000	9.500
44031	5,411,313.0	448,816.0	CC	19/08/93	1.20	41.000	35.000	109.000		587.000	242.000	7.500
44032	5,411,313.0	448,843.0	CC	19/08/93	1.20	42.000	55.000	159.000		2739.000	240.000	8.500
44033	5,411,314.0	448,870.0	CC	19/08/93	1.20	42.000	46.000	99.000		622.000	290.000	9.000
44034	5,411,314.0	448,896.0	CC	19/08/93	1.20	44.000	47.000	92.000		529.000	299.000	8.500
44035	5,411,315.0	448,923.0	CC	19/08/93	1.20	43.000	62.000	95.000		2965.000	310.000	7.000
44036	5,411,315.0	448,949.0	CC	19/08/93	1.20	39.000	49.000	102.000		2166.000	356.000	9.500
44037	5,411,316.0	448,976.0	CC	19/08/93	1.20	45.000	49.000	95.000		1414.000	351.000	9.000
44038	5,411,316.0	449,003.0	CC	19/08/93	1.20	15.000	44.000	91.000		370.000	368.000	9.000
44039	5,411,317.0	449,029.0	CC	19/08/93	1.70	12.000	21.000	87.000		324.000	378.000	8.000
44040	5,411,317.0	449,056.0	CC	19/08/93	0.70	14.000	29.000	128.000		498.000	304.000	4.500

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000 ANALAB 5.000 ANALAB 5.000 ANALAB 100.00 ANALAB 3.000 ANALAB 5.000 ANALAB 1.000  
 GA104 GA140 GA140

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44041	5,411,318.0	449,082.0	CC	19/08/93	0.90	38.000	33.000	87.000		191.000	383.000	5.500
44042	5,411,318.0	449,109.0	CC	19/08/93	1.00	22.000	8.000	94.000		156.000	465.000	3.500
44043	5,411,319.0	449,135.0	CC	19/08/93	0.70	15.000	-3.000	98.000		813.000	535.000	3.000
44044	5,411,319.0	449,162.0	CC	19/08/93	0.50	23.000	5.000	94.000		716.000	520.000	2.500
44045	5,411,319.0	449,188.0	CC	19/08/93	0.60	49.000	14.000	76.000		537.000	587.000	2.000
44046	5,411,320.0	449,214.0	CC	19/08/93	1.20	15.000	11.000	91.000		238.000	505.000	6.000
44047	5,411,320.0	449,241.0	CC	19/08/93	1.20	21.000	26.000	85.000		529.000	519.000	34.000
44048	5,411,321.0	449,267.0	CC	19/08/93	1.20	25.000	21.000	88.000		682.000	493.000	7.000
44049	5,411,321.0	449,293.0	CC	19/08/93	1.20	24.000	33.000	100.000		2310.000	428.000	8.000
44051	5,411,321.0	449,319.0	CC	19/08/93	1.20	19.000	31.000	77.000		241.000	258.000	15.000
44052	5,411,322.0	449,346.0	CC	19/08/93	1.20	16.000	44.000	102.000		345.000	339.000	12.500
44053	5,411,322.0	449,372.0	CC	19/08/93	0.60	10.000	60.000	115.000		520.000	246.000	7.500
44054	5,411,323.0	449,398.0	CC	19/08/93	0.70	48.000	78.000	145.000		1283.000	311.000	8.500
44055	5,411,323.0	449,425.0	CC	19/08/93	0.70	56.000	51.000	134.000		2114.000	349.000	7.000
44056	5,411,323.0	449,451.0	CC	19/08/93	0.90	29.000	77.000	182.000		1616.000	399.000	7.000
44057	5,411,324.0	449,477.0	CC	19/08/93	0.70	27.000	70.000	254.000		1324.000	316.000	10.000
44058	5,411,324.0	449,504.0	CC	19/08/93	1.20	34.000	139.000	151.000		381.000	363.000	9.500
44059	5,411,325.0	449,530.0	CC	19/08/93	1.20	29.000	197.000	251.000		1292.000	400.000	14.500
44060	5,411,325.0	449,556.0	CC	19/08/93	0.80	32.000	101.000	248.000		1045.000	384.000	8.000
44061	5,411,325.0	449,582.0	CC	19/08/93	1.00	38.000	319.000	145.000		2286.000	500.000	25.500
44062	5,411,326.0	449,609.0	CC	19/08/93	1.20	45.000	113.000	89.000		322.000	311.000	10.000
44063	5,411,326.0	449,635.0	CC	19/08/93	1.00	25.000	43.000	92.000		249.000	304.000	9.000
44064	5,411,327.0	449,661.0	CC	19/08/93	1.20	21.000	79.000	98.000		294.000	331.000	8.000
44065	5,411,329.0	449,686.0	CC	19/08/93	1.20	27.000	56.000	99.000		488.000	344.000	9.000
44066	5,411,330.0	449,712.0	CC	19/08/93	0.90	32.000	54.000	119.000		451.000	294.000	7.000
44067	5,411,331.0	449,738.0	CC	19/08/93	1.20	26.000	46.000	104.000		517.000	350.000	14.500
44068	5,411,332.0	449,763.0	CC	19/08/93	1.00	17.000	40.000	90.000		2538.000	355.000	7.000
44069	5,411,333.0	449,789.0	CC	19/08/93	1.20	29.000	67.000	120.000	8100.000		344.000	10.000
44070	5,411,333.0	449,814.0	CC	19/08/93	1.20	23.000	29.000	132.000		653.000	384.000	13.000
44071	5,411,334.0	449,840.0	CC	19/08/93	1.20	33.000	10.000	372.000	8700.000		386.000	23.000
44072	5,411,334.0	449,865.0	CC	19/08/93	0.70	10.000	8.000	207.000		1481.000	367.000	6.500
44073	5,411,334.0	449,890.0	CC	19/08/93	1.20	19.000	7.000	94.000		448.000	369.000	6.000
44074	5,411,334.0	449,915.0	CC	19/08/93	0.90	11.000	8.000	79.000		596.000	381.000	7.000
44075	5,411,334.0	449,941.0	CC	19/08/93	1.20	47.000	10.000	91.000		531.000	335.000	6.000
44076	5,411,335.0	449,966.0	CC	19/08/93	1.00	53.000	12.000	89.000		857.000	374.000	5.000
44077	5,411,335.0	449,991.0	CC	19/08/93	0.90	15.000	6.000	98.000		1198.000	486.000	6.000
44078	5,411,335.0	450,016.0	CC	19/08/93	1.20	57.000	-3.000	88.000		1769.000	426.000	4.500
44079	5,411,335.0	450,042.0	CC	19/08/93	1.20	34.000	23.000	86.000		388.000	395.000	4.500
44080	5,411,335.0	450,067.0	CC	19/08/93	0.80	31.000	35.000	99.000		1949.000	468.000	7.000
44081	5,411,335.0	450,092.0	CC	19/08/93	0.80	27.000	39.000	99.000		894.000	441.000	7.500
44082	5,411,334.0	450,117.0	CC	19/08/93	1.20	34.000	43.000	103.000		1792.000	428.000	8.000

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000    ANALAB 5.000    ANALAB 5.000    ANALAB 100.00 GA104    ANALAB 3.000 GA140    ANALAB 5.000 GA140    ANALAB 1.000

898018

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44083	5,411,334.0	450,142.0	CC	19/08/93	0.80	32.000	35.000	103.000		1389.000	435.000	7.500
44084	5,411,333.0	450,167.0	CC	19/08/93	1.20	32.000	28.000	86.000		699.000	285.000	6.000
44085	5,411,333.0	450,191.0	CC	19/08/93	1.20	30.000	23.000	101.000		414.000	300.000	6.500
44086	5,411,332.0	450,216.0	CC	19/08/93	0.80	26.000	27.000	72.000		413.000	192.000	5.500
44087	5,411,332.0	450,241.0	CC	19/08/93	1.20	23.000	19.000	77.000		197.000	153.000	5.000
44088	5,411,331.0	450,266.0	CC	19/08/93	1.20	10.000	6.000	77.000		175.000	146.000	4.000
44089	5,411,331.0	450,292.0	CC	19/08/93	0.80	6.000	5.000	68.000		277.000	160.000	4.000
44090	5,411,331.0	450,317.0	CC	19/08/93	1.20	69.000	55.000	118.000		301.000	195.000	7.000
44091	5,411,330.0	450,343.0	CC	19/08/93	1.20	43.000	11.000	94.000		610.000	213.000	9.000
44092	5,411,330.0	450,368.0	CC	19/08/93	1.20	64.000	1235.000	104.000	7000.000		269.000	8.000
44093	5,411,330.0	450,394.0	CC	19/08/93	0.90	26.000	30.000	69.000		283.000	233.000	5.000
44094	5,411,329.0	450,419.0	CC	19/08/93	1.20	29.000	68.000	86.000		1146.000	277.000	10.500
44095	5,411,329.0	450,445.0	CC	19/08/93	1.20	28.000	87.000	92.000		2652.000	263.000	10.500
44096	5,411,329.0	450,470.0	CC	19/08/93	1.20	42.000	26.000	85.000		382.000	240.000	6.500
44097	5,411,328.0	450,496.0	CC	19/08/93	1.20	38.000	22.000	55.000		599.000	262.000	9.500
44098	5,411,328.0	450,516.0	CC	19/08/93	1.90	41.000	22.000	55.000		1180.000	304.000	12.000
Remarks: SAMPLE CUTTING SIDE OF ROAD												
44099	5,411,327.0	450,548.0	CC	19/08/93	0.60	30.000	13.000	57.000		121.000	347.000	8.500
Remarks: SAMPLE CUTTING SIDE OF DAM												
44101	5,411,326.0	450,574.0	CC	19/08/93	1.20	26.000	8.000	36.000		99.000	224.000	4.500
44102	5,411,324.0	450,600.0	CC	19/08/93	0.80	35.000	9.000	51.000		823.000	242.000	7.000
44103	5,411,323.0	450,627.0	CC	19/08/93	1.20	44.000	30.000	64.000		1162.000	255.000	7.000
44104	5,411,322.0	450,653.0	CC	19/08/93	1.20	42.000	15.000	63.000		183.000	229.000	8.000
44105	5,411,321.0	450,680.0	CC	19/08/93	1.20	94.000	20.000	97.000		229.000	394.000	23.500
44106	5,411,320.0	450,706.0	CC	19/08/93	1.20	68.000	41.000	76.000		725.000	347.000	12.000
44107	5,411,319.0	450,732.0	CC	19/08/93	1.00	50.000	41.000	92.000		463.000	290.000	12.000
44108	5,411,317.0	450,759.0	CC	19/08/93	1.20	81.000	43.000	97.000		577.000	232.000	7.000
44109	5,411,316.0	450,785.0	CC	19/08/93	1.20	61.000	52.000	81.000		511.000	300.000	11.000
44110	5,411,315.0	450,847.0	CC	19/08/93	1.20	77.000	39.000	93.000		389.000	320.000	8.500
44111	5,411,315.0	450,872.0	CC	19/08/93	1.20	58.000	55.000	90.000		538.000	270.000	6.500
44112	5,411,315.0	450,897.0	CC	19/08/93	1.00	84.000	25.000	87.000		339.000	284.000	7.000
44113	5,411,530.0	450,850.0	CC	19/08/93	0.80	16.000	6.000	42.000		93.000	213.000	5.500
44114	5,411,530.0	450,827.0	CC	19/08/93	0.80	39.000	27.000	60.000		102.000	254.000	12.000
44115	5,411,530.0	450,803.0	CC	19/08/93	1.00	54.000	21.000	54.000		167.000	391.000	12.000
44116	5,411,530.0	450,779.0	CC	19/08/93	1.00	29.000	16.000	43.000		171.000	207.000	8.500
Remarks: SOME QUARTZ PC'S.												
44117	5,411,531.0	450,751.0	CC	19/08/93	1.20	26.000	17.000	34.000		107.000	450.000	13.000
44118	5,411,532.0	450,724.0	CC	19/08/93	1.20	131.000	48.000	62.000		140.000	464.000	14.000
44119	5,411,532.0	450,696.0	CC	19/08/93	1.20	68.000	6.000	41.000		188.000	346.000	6.000
44120	5,411,533.0	450,669.0	CC	19/08/93	1.20	77.000	13.000	66.000		137.000	292.000	6.000
44121	5,411,534.0	450,641.0	CC	19/08/93	1.20	130.000	43.000	83.000		170.000	416.000	11.500

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA104	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44122	5,411,534.0	450,614.0	CC	19/08/93	1.20	103.000	10.000	57.000		88.000	270.000	6.500
44123	5,411,535.0	450,586.0	CC	19/08/93	1.20	18.000	7.000	34.000		123.000	312.000	12.500
44124	5,411,536.0	450,559.0	CC	19/08/93	1.20	13.000	-3.000	33.000		100.000	220.000	4.500
44125	5,411,536.0	450,531.0	CC	19/08/93	1.20	20.000	-3.000	55.000		97.000	268.000	6.000
44126	5,411,537.0	450,507.0	CC	19/08/93	0.70	26.000	15.000	40.000		1882.000	503.000	18.000
44127	5,411,538.0	450,483.0	CC	19/08/93	1.20	23.000	11.000	52.000		117.000	157.000	4.000
44128	5,411,539.0	450,458.0	CC	19/08/93	1.20	15.000	25.000	73.000		812.000	185.000	5.500
44129	5,411,540.0	450,434.0	CC	19/08/93	1.20	18.000	24.000	47.000		407.000	169.000	3.000
44130	5,411,541.0	450,410.0	CC	19/08/93	1.20	36.000	13.000	36.000		129.000	198.000	5.500
44131	5,411,542.0	450,386.0	CC	19/08/93	1.20	16.000	21.000	94.000		266.000	164.000	6.000
44132	5,411,543.0	450,361.0	CC	19/08/93	1.20	12.000	9.000	53.000		124.000	229.000	4.500
44133	5,411,544.0	450,337.0	CC	19/08/93	1.20	13.000	-3.000	30.000		239.000	171.000	-0.500
44134	5,411,545.0	450,313.0	CC	19/08/93	1.20	9.000	9.000	82.000		126.000	183.000	5.000
44135	5,411,544.0	450,286.0	CC	19/08/93	1.20	16.000	5.000	58.000		134.000	200.000	3.500
44136	5,411,544.0	450,259.0	CC	19/08/93	1.20	17.000	9.000	52.000		151.000	199.000	2.500
44137	5,411,543.0	450,233.0	CC	19/08/93	0.80	23.000	8.000	64.000		174.000	272.000	5.500
44138	5,411,542.0	450,206.0	CC	19/08/93	1.20	8.000	7.000	57.000		133.000	212.000	1.500
44139	5,411,541.0	450,179.0	CC	19/08/93	1.20	32.000	6.000	53.000		170.000	200.000	4.000
44140	5,411,540.0	450,152.0	CC	19/08/93	1.20	115.000	8.000	65.000		392.000	149.000	7.500
44141	5,411,540.0	450,129.0	CC	19/08/93	1.20	35.000	8.000	80.000		609.000	167.000	4.000
44142	5,411,540.0	450,105.0	CC	19/08/93	1.20	42.000	10.000	60.000		332.000	202.000	6.000
44143	5,411,540.0	450,082.0	CC	19/08/93	1.20	69.000	18.000	100.000		499.000	206.000	11.500
44144	5,411,540.0	450,059.0	CC	19/08/93	1.20	36.000	8.000	88.000		306.000	181.000	3.500
44145	5,411,540.0	450,035.0	CC	19/08/93	1.20	45.000	11.000	77.000		546.000	191.000	5.500
44146	5,411,540.0	450,012.0	CC	19/08/93	1.00	68.000	16.000	91.000		2502.000	202.000	5.000
44147	5,411,540.0	449,989.0	CC	19/08/93	1.20	30.000	11.000	74.000		216.000	202.000	4.500
44148	5,411,540.0	449,965.0	CC	19/08/93	1.20	23.000	7.000	83.000		480.000	207.000	5.000
44149	5,411,540.0	449,942.0	CC	19/08/93	0.60	21.000	14.000	83.000		1217.000	230.000	4.500
44151	5,411,541.0	449,914.0	CC	19/08/93	1.20	17.000	13.000	98.000		292.000	339.000	46.500
44152	5,411,541.0	449,886.0	CC	19/08/93	0.90	37.000	9.000	80.000		528.000	272.000	5.000
44153	5,411,541.0	449,857.0	CC	19/08/93	1.20	29.000	47.000	88.000		1938.000	395.000	20.000
44154	5,411,542.0	449,829.0	CC	19/08/93	1.20	34.000	24.000	75.000		300.000	418.000	9.000
44155	5,411,542.0	449,801.0	CC	19/08/93	0.80	33.000	7.000	64.000		228.000	450.000	6.500
44156	5,411,542.0	449,776.0	CC	19/08/93	1.20	29.000	9.000	67.000		279.000	473.000	8.500
44157	5,411,542.0	449,750.0	CC	19/08/93	1.20	30.000	27.000	91.000		3092.000	441.000	16.500
44158	5,411,542.0	449,725.0	CC	19/08/93	1.20	36.000	27.000	100.000		2456.000	407.000	8.000
44159	5,411,542.0	449,699.0	CC	19/08/93	1.20	28.000	15.000	89.000		2183.000	404.000	8.000
44160	5,411,542.0	449,674.0	CC	19/08/93	0.80	29.000	49.000	97.000	7900.000		408.000	10.500
44161	5,411,543.0	449,648.0	CC	19/08/93	1.20	27.000	4.000	81.000		1293.000	449.000	8.500
44162	5,411,544.0	449,622.0	CC	19/08/93	1.20	23.000	18.000	89.000	7100.000		399.000	6.000
44163	5,411,545.0	449,595.0	CC	19/08/93	1.20	26.000	4.000	73.000		425.000	434.000	8.000

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000    ANALAB 5.000    ANALAB 5.000    ANALAB 100.00 GA104    ANALAB 3.000 GA140    ANALAB 5.000 GA140    ANALAB 1.000

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44164	5,411,545.0	449,569.0	CC	19/08/93	0.80	18.000	11.000	64.000		365.000	331.000	9.500
44165	5,411,546.0	449,543.0	CC	19/08/93	0.70	13.000	57.000	65.000		330.000	324.000	4.000
44166	5,411,547.0	449,517.0	CC	19/08/93	1.20	7.000	-3.000	57.000		324.000	324.000	7.000
44167	5,411,548.0	449,491.0	CC	19/08/93	0.80	12.000	9.000	67.000		269.000	415.000	8.500
44168	5,411,549.0	449,464.0	CC	19/08/93	1.20	10.000	3.000	123.000		141.000	346.000	6.000
44169	5,411,549.0	449,438.0	CC	19/08/93	0.90	18.000	11.000	103.000		2147.000	353.000	9.000
44170	5,411,550.0	449,412.0	CC	19/08/93	0.70	20.000	27.000	147.000		4986.000	393.000	17.000
44171	5,411,551.0	449,386.0	CC	19/08/93	1.20	27.000	13.000	105.000		285.000	380.000	7.000
44172	5,411,552.0	449,360.0	CC	19/08/93	1.60	14.000	43.000	179.000		304.000	204.000	5.000
44173	5,411,553.0	449,333.0	CC	19/08/93	0.80	14.000	128.000	193.000		331.000	169.000	4.000
44174	5,411,553.0	449,307.0	CC	19/08/93	1.20	13.000	97.000	181.000		489.000	176.000	22.000
44175	5,411,554.0	449,281.0	CC	19/08/93	1.80	19.000	68.000	124.000		430.000	188.000	3.500
44176	5,411,554.0	449,255.0	CC	19/08/93	1.20	45.000	117.000	110.000		2171.000	204.000	10.500
44177	5,411,554.0	449,228.0	CC	19/08/93	1.20	26.000	60.000	132.000		288.000	230.000	11.500
44178	5,411,554.0	449,202.0	CC	19/08/93	0.70	22.000	147.000	116.000		226.000	210.000	16.000
44179	5,411,554.0	449,149.0	CC	19/08/93	0.90	23.000	41.000	133.000		411.000	460.000	21.000
44180	5,411,554.0	449,123.0	CC	19/08/93	0.70	37.000	98.000	127.000		1576.000	433.000	35.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44181	5,411,554.0	449,097.0	CC	19/08/93	1.00	23.000	45.000	160.000		231.000	393.000	17.000
44182	5,411,554.0	449,070.0	CC	19/08/93	1.20	31.000	54.000	132.000		280.000	498.000	18.000
44183	5,411,554.0	449,044.0	CC	19/08/93	1.20	39.000	36.000	143.000		187.000	399.000	14.500
44184	5,411,554.0	449,018.0	CC	19/08/93	1.20	37.000	42.000	114.000		355.000	397.000	13.000
44185	5,411,554.0	448,991.0	CC	19/08/93	1.20	51.000	85.000	163.000		1389.000	337.000	12.000
44186	5,411,553.0	448,965.0	CC	19/08/93	1.20	47.000	122.000	172.000		3586.000	294.000	12.000
44187	5,411,541.0	448,940.0	CC	19/08/93	1.20	51.000	115.000	151.000		3783.000	335.000	13.500
44188	5,411,553.0	448,912.0	CC	19/08/93	1.20	40.000	101.000	135.000		2803.000	292.000	15.000
44189	5,411,553.0	448,886.0	CC	19/08/93	1.20	36.000	97.000	116.000		1569.000	287.000	19.500
44190	5,411,552.0	448,859.0	CC	19/08/93	1.20	32.000	103.000	143.000		1922.000	260.000	12.000
44191	5,411,550.0	448,832.0	CC	19/08/93	1.20	34.000	91.000	161.000		3048.000	268.000	12.000
44192	5,411,549.0	448,805.0	CC	19/08/93	1.20	40.000	88.000	152.000		4333.000	286.000	10.500
44193	5,411,547.0	448,777.0	CC	19/08/93	1.20	39.000	45.000	134.000		413.000	289.000	10.500
44194	5,411,546.0	448,750.0	CC	19/08/93	1.20	48.000	36.000	133.000		586.000	293.000	11.500
44195	5,411,544.0	448,723.0	CC	19/08/93	1.20	64.000	36.000	151.000		523.000	376.000	20.000
44196	5,411,544.0	448,696.0	CC	19/08/93	1.20	63.000	109.000	145.000		2825.000	435.000	15.500
44197	5,411,544.0	448,670.0	CC	19/08/93	1.20	66.000	80.000	147.000		542.000	425.000	18.500
44198	5,411,544.0	448,643.0	CC	19/08/93	1.20	56.000	59.000	123.000		531.000	434.000	21.500
44199	5,411,544.0	448,616.0	CC	19/08/93	1.20	104.000	67.000	124.000		3172.000	542.000	20.500
44201	5,411,544.0	448,590.0	CC	19/08/93	1.20	99.000	19.000	141.000		583.000	580.000	20.000
44202	5,411,544.0	448,563.0	CC	19/08/93	1.20	67.000	34.000	130.000		1712.000	536.000	10.500
44203	5,411,543.0	448,537.0	CC	19/08/93	1.20	44.000	28.000	114.000		346.000	432.000	5.000
44204	5,411,541.0	448,510.0	CC	19/08/93	1.20	57.000	55.000	120.000		571.000	639.000	6.500

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000 ANALAB 5.000 ANALAB 5.000 ANALAB 100.00  
 GA104  
 ANALAB 3.000 ANALAB 5.000 ANALAB 1.000  
 GA140 GA140

898021

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44205	5,411,539.0	448,484.0	CC	19/08/93	0.90	28.000	106.000	103.000		1336.000	404.000	8.500
44206	5,411,538.0	448,457.0	CC	19/08/93	1.20	51.000	62.000	136.000		299.000	555.000	11.000
44207	5,411,536.0	448,431.0	CC	19/08/93	1.20	44.000	828.000	258.000		3282.000	599.000	31.000
44208	5,411,535.0	448,405.0	CC	19/08/93	1.20	46.000	229.000	174.000		3119.000	506.000	18.500
44209	5,411,533.0	448,379.0	CC	19/08/93	1.20	34.000	100.000	162.000	7000.000		256.000	13.500
44210	5,411,532.0	448,354.0	CC	19/08/93	1.20	24.000	66.000	151.000	13900.000		171.000	9.500
44211	5,411,531.0	448,328.0	CC	19/08/93	1.20	20.000	59.000	135.000	7200.000		183.000	10.500
44212	5,411,529.0	448,302.0	CC	19/08/93	1.20	17.000	81.000	123.000		1703.000	172.000	9.500
44213	5,411,530.0	448,274.0	CC	19/08/93	1.20	18.000	54.000	132.000		367.000	193.000	11.000
44214	5,411,531.0	448,246.0	CC	19/08/93	1.20	25.000	123.000	157.000		595.000	150.000	7.000
44215	5,411,532.0	448,217.0	CC	19/08/93	1.20	25.000	58.000	101.000		314.000	231.000	8.500
44216	5,411,533.0	448,189.0	CC	19/08/93	1.20	13.000	39.000	80.000		619.000	153.000	6.000
44217	5,411,534.0	448,161.0	CC	19/08/93	1.20	17.000	60.000	94.000		2303.000	252.000	9.000
44218	5,411,536.0	448,141.0	CC	19/08/93	1.00	17.000	35.000	79.000		1259.000	365.000	9.500
44219	5,411,538.0	448,121.0	CC	19/08/93	1.00	18.000	36.000	96.000		342.000	376.000	10.000
44220	5,411,540.0	448,100.0	CC	19/08/93	1.00	24.000	35.000	55.000		279.000	209.000	9.000
44221	5,411,542.0	448,080.0	CC	19/08/93	1.20	23.000	111.000	94.000		665.000	309.000	13.000
44222	5,411,544.0	448,060.0	CC	19/08/93	1.20	26.000	818.000	236.000		3713.000	447.000	19.000
44223	5,411,748.0	448,073.0	CC	19/08/93	0.90	26.000	220.000	89.000		1983.000	196.000	14.000
44224	5,411,748.0	448,099.0	CC	19/08/93	1.10	19.000	56.000	105.000		444.000	188.000	10.500
44225	5,411,748.0	448,126.0	CC	19/08/93	1.20	24.000	101.000	99.000		683.000	231.000	10.500
44226	5,411,748.0	448,152.0	CC	19/08/93	1.00	23.000	355.000	109.000		2500.000	212.000	13.500
44227	5,411,748.0	448,178.0	CC	19/08/93	1.20	23.000	46.000	116.000		192.000	482.000	19.000
44228	5,411,748.0	448,204.0	CC	19/08/93	1.20	21.000	42.000	79.000		359.000	351.000	11.500
44229	5,411,748.0	448,231.0	CC	19/08/93	1.20	29.000	80.000	114.000		610.000	375.000	15.000
44230	5,411,748.0	448,257.0	CC	19/08/93	0.60	24.000	25.000	61.000		289.000	161.000	14.000
44231	5,411,748.0	448,283.0	CC	19/08/93	0.60	20.000	467.000	273.000		817.000	455.000	14.500
44232	5,411,748.0	448,309.0	CC	19/08/93	1.20	20.000	92.000	93.000		263.000	461.000	16.000
44233	5,411,747.0	448,336.0	CC	19/08/93	0.80	24.000	117.000	127.000		2803.000	373.000	13.500
44234	5,411,747.0	448,362.0	CC	19/08/93	1.20	25.000	88.000	101.000		2537.000	358.000	12.000
44235	5,411,747.0	448,388.0	CC	19/08/93	1.20	29.000	105.000	105.000	9400.000		387.000	11.000
44236	5,411,747.0	448,414.0	CC	19/08/93	1.20	29.000	89.000	118.000		4047.000	400.000	13.500
44237	5,411,747.0	448,441.0	CC	19/08/93	1.20	31.000	101.000	135.000		1827.000	483.000	15.500
44238	5,411,747.0	448,467.0	CC	19/08/93	1.20	30.000	111.000	146.000		2504.000	289.000	12.500
44239	5,411,747.0	448,493.0	CC	19/08/93	1.20	51.000	114.000	145.000		2166.000	477.000	13.500
44240	5,411,747.0	448,519.0	CC	19/08/93	1.20	54.000	186.000	161.000		3932.000	439.000	13.500
44241	5,411,747.0	448,546.0	CC	19/08/93	1.20	52.000	112.000	145.000		2151.000	393.000	12.000
44242	5,411,747.0	448,572.0	CC	19/08/93	1.20	45.000	103.000	138.000		2356.000	423.000	12.500
44243	5,411,747.0	448,598.0	CC	19/08/93	1.20	51.000	32.000	133.000		603.000	476.000	10.500
44244	5,411,747.0	448,625.0	CC	19/08/93	1.20	57.000	44.000	136.000		1547.000	537.000	10.500
44245	5,411,747.0	448,651.0	CC	19/08/93	1.20	80.000	24.000	109.000		267.000	667.000	12.000

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA10	GA140	GA140	

898022

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44246	5,411,746.0	448,677.0	CC	19/08/93	1.20	58.000	43.000	141.000		1273.000	480.000	10.500
44247	5,411,746.0	448,703.0	CC	19/08/93	1.20	54.000	26.000	95.000		316.000	600.000	11.000
44248	5,411,746.0	448,730.0	CC	19/08/93	1.20	48.000	35.000	89.000		169.000	519.000	14.000
44249	5,411,746.0	448,756.0	CC	19/08/93	1.20	55.000	43.000	97.000		698.000	349.000	8.500
44251	5,411,746.0	448,782.0	CC	19/08/93	1.20	59.000	67.000	136.000		4243.000	388.000	9.000
44252	5,411,746.0	448,808.0	CC	19/08/93	1.20	58.000	65.000	139.000		2746.000	414.000	9.000
44253	5,411,746.0	448,835.0	CC	19/08/93	1.20	56.000	79.000	129.000		2770.000	418.000	9.500
44254	5,411,746.0	448,861.0	CC	19/08/93	1.20	56.000	82.000	139.000		4074.000	421.000	8.500
44255	5,411,746.0	448,887.0	CC	19/08/93	1.20	51.000	75.000	132.000		4130.000	380.000	8.500
44256	5,411,746.0	448,913.0	CC	19/08/93	1.20	51.000	64.000	119.000		978.000	364.000	9.500
44257	5,411,746.0	448,940.0	CC	19/08/93	1.20	50.000	85.000	131.000		3639.000	354.000	10.000
44258	5,411,746.0	448,966.0	CC	19/08/93	1.20	48.000	66.000	129.000		1439.000	345.000	10.000
44259	5,411,745.0	448,992.0	CC	19/08/93	1.20	47.000	57.000	116.000		525.000	327.000	7.000
44260	5,411,745.0	449,018.0	CC	19/08/93	1.20	36.000	126.000	138.000		3065.000	286.000	13.500
Remarks: SAMPLE TAKEN DN DAM WALL.												
44261	5,411,745.0	449,045.0	CC	19/08/93	2.00	42.000	100.000	92.000		646.000	278.000	7.000
Remarks: SAMPLE TAKEN FROM CUTTING DN SIDE OF DAM.												
44262	5,411,745.0	449,071.0	CC	19/08/93	1.20	37.000	76.000	167.000		317.000	293.000	11.500
44263			CC	/ /								
44264			CC	/ /								
44265	5,411,736.0	449,174.0	CC	19/08/93	0.80	18.000	61.000	134.000		4182.000	315.000	10.500
44266	5,411,736.0	449,200.0	CC	19/08/93	1.20	35.000	64.000	174.000		610.000	411.000	8.000
44267	5,411,736.0	449,226.0	CC	19/08/93	1.20	26.000	51.000	136.000		222.000	429.000	12.500
44268	5,411,736.0	449,253.0	CC	19/08/93	1.20	49.000	32.000	127.000		128.000	421.000	7.500
44269	5,411,735.0	449,279.0	CC	19/08/93	1.20	13.000	68.000	81.000		405.000	299.000	6.500
44270	5,411,735.0	449,305.0	CC	19/08/93	1.20	14.000	45.000	87.000		245.000	289.000	7.000
44271	5,411,735.0	449,331.0	CC	19/08/93	1.20	10.000	24.000	85.000		126.000	352.000	7.500
44272	5,411,735.0	449,357.0	CC	19/08/93	1.20	11.000	27.000	82.000		133.000	400.000	7.500
44273	5,411,735.0	449,383.0	CC	19/08/93	1.20	15.000	80.000	83.000		129.000	362.000	8.000
44274	5,411,734.0	449,409.0	CC	19/08/93	1.20	12.000	68.000	79.000		160.000	413.000	8.000
44275	5,411,734.0	449,435.0	CC	19/08/93	1.20	25.000	46.000	103.000		318.000	400.000	8.500
44276	5,411,734.0	449,461.0	CC	19/08/93	1.20	26.000	76.000	193.000	11800.000		336.000	8.000
44277	5,411,734.0	449,487.0	CC	19/08/93	1.20	33.000	8.000	92.000		287.000	324.000	9.000
44278	5,411,734.0	449,513.0	CC	19/08/93	1.20	33.000	11.000	71.000		209.000	352.000	9.000
44279	5,411,733.0	449,539.0	CC	19/08/93	1.20	22.000	5.000	60.000		239.000	263.000	12.000
44280	5,411,733.0	449,565.0	CC	19/08/93	1.20	15.000	10.000	60.000		167.000	365.000	14.000
44281	5,411,733.0	449,591.0	CC	19/08/93	1.20	24.000	30.000	79.000		1151.000	312.000	8.000
44282	5,411,733.0	449,616.0	CC	19/08/93	1.20	27.000	22.000	83.000		4559.000	305.000	7.000
44283	5,411,732.0	449,642.0	CC	19/08/93	1.20	28.000	24.000	81.000		3206.000	294.000	7.000
44284	5,411,732.0	449,668.0	CC	19/08/93	1.20	28.000	22.000	78.000		1149.000	294.000	8.000
44285	5,411,732.0	449,693.0	CC	19/08/93	1.20	15.000	7.000	47.000		183.000	299.000	7.500
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA104	GA140	GA140	

898023

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44286	5,411,731.0	449,719.0	CC	19/08/93	1.20	27.000	4.000	38.000		171.000	221.000	4.500
44287	5,411,731.0	449,745.0	CC	19/08/93	1.20	65.000	3.000	48.000		757.000	218.000	6.500
44288	5,411,731.0	449,771.0	CC	19/08/93	1.20	43.000	7.000	70.000		3147.000	222.000	6.000
44289	5,411,730.0	449,796.0	CC	19/08/93	1.20	23.000	7.000	56.000		277.000	253.000	5.000
44290	5,411,730.0	449,822.0	CC	19/08/93	1.20	22.000	14.000	51.000		249.000	230.000	6.500
44291	5,411,730.0	449,848.0	CC	19/08/93	0.70	55.000	20.000	113.000		760.000	284.000	8.500
44292	5,411,730.0	449,873.0	CC	19/08/93	1.20	40.000	51.000	104.000		728.000	199.000	6.000
44293	5,411,729.0	449,899.0	CC	19/08/93	1.20	30.000	23.000	86.000		757.000	210.000	5.500
44294	5,411,724.0	449,925.0	CC	19/08/93	1.20	31.000	23.000	172.000		1149.000	319.000	7.000
44295	5,411,719.0	449,950.0	CC	19/08/93	1.20	27.000	11.000	67.000		887.000	186.000	5.000
44296	5,411,714.0	449,976.0	CC	19/08/93	0.80	53.000	8.000	63.000		333.000	167.000	5.500
44297	5,411,709.0	450,002.0	CC	19/08/93	1.50	104.000	11.000	59.000		229.000	220.000	7.000
44298	5,411,703.0	450,027.0	CC	19/08/93	1.20	25.000	8.000	63.000		160.000	271.000	6.500
44299	5,411,698.0	450,053.0	CC	19/08/93	1.20	30.000	5.000	64.000		315.000	312.000	5.500
44301	5,411,697.0	450,076.0	CC	19/08/93	1.20	51.000	8.000	72.000		179.000	282.000	5.000
44302	5,411,697.0	450,099.0	CC	19/08/93	1.20	148.000	3.000	67.000		302.000	282.000	5.000
44303	5,411,696.0	450,123.0	CC	19/08/93	1.20	47.000	7.000	70.000		370.000	310.000	6.000
44304	5,411,695.0	450,146.0	CC	19/08/93	1.20	21.000	5.000	82.000		2050.000	248.000	3.500
44305	5,411,694.0	450,169.0	CC	19/08/93	1.20	147.000	5.000	48.000		290.000	178.000	3.000
44306	5,411,695.0	450,195.0	CC	19/08/93	1.20	53.000	9.000	68.000		191.000	382.000	3.500
44307	5,411,697.0	450,221.0	CC	19/08/93	1.20	21.000	5.000	77.000		168.000	247.000	3.000
44308	5,411,698.0	450,247.0	CC	19/08/93	1.20	20.000	6.000	121.000		161.000	283.000	3.500
44309	5,411,699.0	450,272.0	CC	19/08/93	1.20	46.000	7.000	61.000		276.000	232.000	3.500
44310	5,411,700.0	450,298.0	CC	19/08/93	1.20	10.000	-3.000	60.000		156.000	209.000	3.500
44311	5,411,701.0	450,324.0	CC	19/08/93	1.20	29.000	4.000	58.000		119.000	210.000	4.000
44312	5,411,702.0	450,350.0	CC	19/08/93	2.00	34.000	14.000	74.000		125.000	252.000	5.500
44313	5,411,703.0	450,378.0	CC	19/08/93	1.00	27.000	15.000	44.000		156.000	374.000	5.000
44314	5,411,705.0	450,405.0	CC	19/08/93	1.20	27.000	9.000	43.000		114.000	266.000	6.000
44315	5,411,706.0	450,433.0	CC	19/08/93	1.20	20.000	8.000	55.000		130.000	221.000	3.000
44316	5,411,707.0	450,460.0	CC	19/08/93	1.20	19.000	5.000	50.000		100.000	268.000	4.500
44317	5,411,708.0	450,488.0	CC	19/08/93	1.20	19.000	18.000	56.000		114.000	269.000	8.500
44318	5,411,710.0	450,515.0	CC	19/08/93	1.20	18.000	7.000	49.000		121.000	239.000	6.000
44319	5,411,711.0	450,543.0	CC	19/08/93	1.20	36.000	14.000	51.000		132.000	283.000	7.000
44320	5,411,712.0	450,570.0	CC	19/08/93	1.20	37.000	11.000	56.000		141.000	318.000	6.500
44321	5,411,713.0	450,598.0	CC	19/08/93	1.20	37.000	15.000	55.000		136.000	357.000	8.500
44322	5,411,715.0	450,625.0	CC	19/08/93	1.20	28.000	17.000	51.000		177.000	327.000	10.000
44323	5,411,716.0	450,653.0	CC	19/08/93	0.90	31.000	10.000	45.000		192.000	444.000	12.000
44324	5,411,717.0	450,680.0	CC	19/08/93	1.00	98.000	8.000	69.000		213.000	610.000	15.000
44325	5,411,718.0	450,708.0	CC	19/08/93	1.20	43.000	12.000	46.000		105.000	346.000	11.000
44326	5,411,718.0	450,735.0	CC	19/08/93	1.20	39.000	8.000	35.000		99.000	329.000	12.500
44327	5,411,719.0	450,763.0	CC	19/08/93	0.70	9.000	9.000	19.000		90.000	111.000	5.500

Remarks: WORN QUARTZ PC'S

Laboratory:  
 Detection Limit:  
 Method:

ANALAB						
5.000	5.000	5.000	100.00	3.000	5.000	1.000
			GA1D4	GA140	GA140	

898024

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44328	5,411,720.0	450,790.0	CC	19/08/93	1.20	20.000	14.000	38.000		103.000	206.000	10.500
44329	5,411,720.0	450,818.0	CC	19/08/93	1.20	8.000	14.000	28.000		57.000	143.000	6.500
44330	5,411,721.0	450,845.0	CC	19/08/93	1.20	6.000	9.000	22.000		68.000	86.000	4.000
44331	5,411,722.0	450,873.0	CC	19/08/93	1.20	11.000	15.000	29.000		67.000	169.000	8.000
44332	5,411,722.0	450,900.0	CC	19/08/93	0.70	6.000	-3.000	15.000		54.000	61.000	3.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE GRAVELS. WORN QUARTZ PC'S.												
44333	5,411,943.0	450,672.0	CC	19/08/93	1.20	23.000	14.000	64.000		468.000	206.000	9.500
44334	5,411,944.0	450,646.0	CC	19/08/93	1.20	27.000	35.000	70.000		1710.000	328.000	17.000
44335	5,411,944.0	450,620.0	CC	19/08/93	1.20	35.000	52.000	100.000		3818.000	263.000	8.000
44336	5,411,944.0	450,594.0	CC	19/08/93	1.20	35.000	33.000	106.000		269.000	290.000	9.000
44337	5,411,945.0	450,567.0	CC	19/08/93	1.20	35.000	45.000	93.000		1052.000	277.000	9.000
44338	5,411,945.0	450,541.0	CC	19/08/93	1.20	29.000	26.000	93.000		411.000	281.000	7.500
44339	5,411,946.0	450,515.0	CC	19/08/93	0.90	39.000	63.000	104.000		1014.000	322.000	11.000
44340	5,411,946.0	450,489.0	CC	19/08/93	1.20	27.000	22.000	107.000		337.000	250.000	6.000
44341	5,411,947.0	450,463.0	CC	19/08/93	1.20	31.000	26.000	108.000		464.000	235.000	6.500
44342	5,411,947.0	450,437.0	CC	19/08/93	1.20	34.000	35.000	106.000		513.000	254.000	7.500
44343	5,411,947.0	450,410.0	CC	19/08/93	1.20	34.000	32.000	85.000		215.000	249.000	5.000
44344	5,411,948.0	450,384.0	CC	19/08/93	1.20	39.000	37.000	99.000		480.000	263.000	8.000
44345	5,411,948.0	450,358.0	CC	19/08/93	1.20	31.000	33.000	103.000		687.000	241.000	6.500
44346	5,411,948.0	450,333.0	CC	19/08/93	1.20	30.000	26.000	109.000		290.000	240.000	11.500
44347	5,411,948.0	450,308.0	CC	19/08/93	1.20	35.000	24.000	96.000		232.000	232.000	6.500
44348	5,411,948.0	450,283.0	CC	19/08/93	1.20	35.000	35.000	93.000		246.000	245.000	7.500
44349	5,411,948.0	450,258.0	CC	19/08/93	1.20	36.000	38.000	92.000		208.000	254.000	8.000
44351	5,411,948.0	450,233.0	CC	19/08/93	1.20	38.000	28.000	96.000		425.000	235.000	7.500
44352	5,411,948.0	450,208.0	CC	19/08/93	1.20	34.000	17.000	86.000		325.000	218.000	6.500
44353	5,411,948.0	450,183.0	CC	19/08/93	1.20	31.000	19.000	82.000		388.000	221.000	5.000
44354	5,411,948.0	450,158.0	CC	19/08/93	1.20	34.000	18.000	70.000		326.000	218.000	6.500
44355	5,411,948.0	450,133.0	CC	19/08/93	1.20	19.000	19.000	60.000		290.000	207.000	5.500
44356	5,411,948.0	450,108.0	CC	19/08/93	1.20	20.000	12.000	61.000		145.000	204.000	4.500
44357	5,411,948.0	450,083.0	CC	19/08/93	1.20	37.000	26.000	72.000		415.000	228.000	5.500
44358	5,411,948.0	450,057.0	CC	19/08/93	1.20	36.000	25.000	72.000		264.000	218.000	5.000
44359	5,411,948.0	450,032.0	CC	19/08/93	1.20	36.000	28.000	72.000		316.000	230.000	7.000
44360	5,411,948.0	450,007.0	CC	19/08/93	1.20	17.000	33.000	56.000		153.000	182.000	4.500
44361	5,411,949.0	449,982.0	CC	19/08/93	1.20	43.000	20.000	62.000		208.000	255.000	7.000
44362	5,411,949.0	449,956.0	CC	19/08/93	1.20	38.000	13.000	71.000		197.000	230.000	12.000
44363	5,411,949.0	449,931.0	CC	19/08/93	1.20	41.000	40.000	93.000		1664.000	261.000	6.500
44364	5,411,949.0	449,906.0	CC	19/08/93	1.20	31.000	43.000	80.000		208.000	228.000	5.000
44365	5,411,949.0	449,881.0	CC	19/08/93	1.20	32.000	41.000	90.000		263.000	259.000	9.000
44366	5,411,949.0	449,855.0	CC	19/08/93	1.20	35.000	35.000	90.000		288.000	220.000	7.500
44367	5,411,949.0	449,830.0	CC	19/08/93	1.20	35.000	30.000	93.000		296.000	257.000	8.500

Laboratory:  
 Detection Limit:  
 Method:

ANALAB  
5.000

ANALAB  
5.000

ANALAB  
5.000

ANALAB  
100.00  
GA104

ANALAB  
3.000  
GA140

ANALAB  
5.000  
GA140

ANALAB  
1.000

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn 2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44368	5,411,949.0	449,805.0	CC	19/08/93	1.20	35.000	35.000	95.000		222.000	230.000	5.000
44369	5,411,949.0	449,780.0	CC	19/08/93	1.20	32.000	41.000	107.000		389.000	242.000	7.500
44370	5,411,949.0	449,754.0	CC	19/08/93	1.20	29.000	52.000	111.000		295.000	254.000	10.000
44371	5,411,949.0	449,729.0	CC	19/08/93	1.20	35.000	22.000	81.000		266.000	231.000	7.500
44372	5,411,949.0	449,704.0	CC	19/08/93	1.20	34.000	20.000	71.000		581.000	203.000	6.500
44373	5,411,949.0	449,679.0	CC	19/08/93	1.20	33.000	36.000	80.000		800.000	216.000	5.000
44374	5,411,949.0	449,653.0	CC	19/08/93	1.20	31.000	27.000	78.000		344.000	213.000	5.000
44375	5,411,949.0	449,628.0	CC	19/08/93	1.20	33.000	41.000	84.000		1070.000	221.000	6.000
44376	5,411,949.0	449,603.0	CC	19/08/93	1.20	35.000	34.000	90.000		510.000	245.000	7.500
44377	5,411,950.0	449,577.0	CC	19/08/93	1.20	34.000	39.000	90.000		603.000	276.000	11.500
44378	5,411,950.0	449,551.0	CC	19/08/93	1.20	44.000	31.000	85.000		734.000	248.000	5.500
44379	5,411,951.0	449,526.0	CC	19/08/93	1.20	39.000	28.000	78.000		983.000	240.000	5.000
44380	5,411,952.0	449,500.0	CC	19/08/93	1.20	36.000	34.000	96.000		370.000	229.000	7.500
Remarks: SAMPLE TAKEN BANK ON SIDE.												
44381	5,411,952.0	449,474.0	CC	19/08/93	1.20	38.000	27.000	61.000		134.000	287.000	8.000
44382	5,411,953.0	449,448.0	CC	19/08/93	1.20	41.000	29.000	79.000		1111.000	250.000	6.500
44383	5,411,953.0	449,422.0	CC	19/08/93	1.20	37.000	21.000	93.000		2264.000	235.000	13.500
44384	5,411,954.0	449,396.0	CC	19/08/93	1.20	38.000	26.000	97.000		222.000	274.000	5.000
44385	5,411,954.0	449,371.0	CC	19/08/93	1.20	42.000	25.000	105.000		504.000	323.000	8.500
44386	5,411,955.0	449,345.0	CC	19/08/93	1.20	34.000	30.000	105.000		247.000	283.000	7.000
44387	5,411,956.0	449,319.0	CC	19/08/93	1.20	37.000	30.000	102.000		714.000	330.000	8.000
44388	5,411,956.0	449,293.0	CC	19/08/93	1.20	34.000	29.000	104.000		380.000	333.000	8.000
44389	5,411,957.0	449,267.0	CC	19/08/93	1.20	37.000	18.000	96.000		461.000	322.000	7.000
44390	5,411,957.0	449,241.0	CC	19/08/93	1.20	37.000	19.000	92.000		447.000	308.000	8.000
44391	5,411,958.0	449,216.0	CC	19/08/93	1.20	37.000	18.000	74.000		282.000	272.000	5.000
44392	5,411,959.0	449,190.0	CC	19/08/93	1.20	41.000	20.000	75.000		570.000	275.000	7.000
44393	5,411,959.0	449,164.0	CC	19/08/93	1.20	38.000	17.000	77.000		438.000	261.000	6.000
44394	5,411,960.0	449,138.0	CC	19/08/93	1.20	40.000	20.000	68.000		506.000	214.000	7.000
44395	5,411,960.0	449,112.0	CC	19/08/93	1.20	33.000	18.000	84.000		755.000	257.000	7.000
44396	5,411,961.0	449,086.0	CC	19/08/93	1.20	25.000	34.000	140.000		227.000	309.000	9.000
44397	5,411,961.0	449,061.0	CC	19/08/93	1.20	17.000	13.000	120.000		419.000	302.000	10.500
44398	5,411,962.0	449,035.0	CC	19/08/93	1.20	34.000	93.000	148.000		1712.000	273.000	12.500
44399	5,411,963.0	449,009.0	CC	19/08/93	1.20	34.000	96.000	143.000		2299.000	265.000	12.500
44501	5,412,161.0	450,152.0	CC	19/08/93	1.20	31.000	17.000	60.000		282.000	209.000	7.000
44502	5,412,161.0	450,178.0	CC	19/08/93	1.20	28.000	17.000	56.000		268.000	199.000	6.000
44503	5,412,160.0	450,204.0	CC	19/08/93	1.20	30.000	14.000	65.000		676.000	222.000	7.000
44504	5,412,159.0	450,231.0	CC	19/08/93	1.20	34.000	20.000	79.000		630.000	231.000	6.000
44505	5,412,159.0	450,257.0	CC	19/08/93	1.20	30.000	15.000	56.000		289.000	195.000	6.000
44506	5,412,158.0	450,283.0	CC	19/08/93	1.20	28.000	17.000	52.000		459.000	179.000	6.500
44507	5,412,158.0	450,309.0	CC	19/08/93	1.20	27.000	18.000	51.000		427.000	177.000	7.500
44508	5,412,158.0	450,335.0	CC	19/08/93	1.20	29.000	21.000	66.000		491.000	196.000	11.000

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA104	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44509	5,412,158.0	450,361.0	CC	19/08/93	1.20	31.000	29.000	88.000		1264.000	207.000	8.000
44510	5,412,158.0	450,388.0	CC	19/08/93	0.80	32.000	31.000	70.000		1450.000	174.000	8.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
44511	5,412,158.0	450,414.0	CC	19/08/93	1.20	20.000	22.000	53.000		282.000	141.000	8.500
44512	5,412,157.0	450,440.0	CC	19/08/93	1.20	28.000	26.000	64.000		565.000	190.000	10.000
44513	5,412,157.0	450,466.0	CC	19/08/93	1.20	40.000	20.000	50.000		200.000	231.000	6.500
44514	5,412,158.0	450,494.0	CC	19/08/93	1.20	80.000	33.000	59.000		1092.000	293.000	12.000
44515	5,412,158.0	450,522.0	CC	19/08/93	1.20	57.000	19.000	74.000		737.000	297.000	10.500
44516	5,412,159.0	450,549.0	CC	19/08/93	1.20	66.000	26.000	77.000		419.000	333.000	12.000
44517	5,412,159.0	450,577.0	CC	19/08/93	1.20	750.000	535.000	71.000		1113.000	749.000	12.500
44518	5,412,322.0	450,500.0	CC	19/08/93	1.20	101.000	24.000	69.000		397.000	401.000	6.000
44519	5,412,323.0	450,479.0	CC	19/08/93	0.80	44.000	21.000	70.000		417.000	388.000	7.500
44520	5,412,323.0	450,446.0	CC	19/08/93	1.20	57.000	27.000	66.000		399.000	413.000	11.000
44521	5,412,324.0	450,420.0	CC	19/08/93	0.80	27.000	6.000	61.000		452.000	163.000	6.500
44522	5,412,325.0	450,399.0	CC	19/08/93	1.20	249.000	26.000	102.000		554.000	448.000	11.500
44523	5,412,325.0	450,366.0	CC	19/08/93	0.90	22.000	32.000	158.000		1395.000	277.000	19.000
44524	5,412,326.0	450,339.0	CC	19/08/93	1.00	34.000	25.000	78.000		2080.000	207.000	9.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
44525	5,412,326.0	450,312.0	CC	19/08/93	0.70	79.000	18.000	71.000		1294.000	194.000	6.000
44526	5,412,327.0	450,286.0	CC	19/08/93	1.20	33.000	16.000	69.000		754.000	382.000	12.000
44527	5,412,328.0	450,259.0	CC	19/08/93	1.20	70.000	13.000	69.000		458.000	319.000	6.000
44528	5,412,328.0	450,232.0	CC	19/08/93	1.00	25.000	10.000	88.000		1004.000	240.000	5.500
44529	5,412,329.0	450,206.0	CC	19/08/93	0.70	86.000	31.000	91.000		1154.000	285.000	3.500
44530	5,412,330.0	450,180.0	CC	19/08/93	1.20	23.000	10.000	51.000		227.000	180.000	4.000
44531	5,412,330.0	450,154.0	CC	19/08/93	0.60	24.000	11.000	49.000		657.000	179.000	4.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
44532	5,412,331.0	450,128.0	CC	19/08/93	0.70	21.000	11.000	51.000		1295.000	179.000	3.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
44533	5,412,332.0	450,102.0	CC	19/08/93	1.20	26.000	5.000	53.000		199.000	209.000	4.500
44534	5,412,332.0	450,076.0	CC	19/08/93	1.20	31.000	17.000	69.000		243.000	200.000	5.500
44535	5,412,333.0	450,050.0	CC	19/08/93	1.20	37.000	17.000	75.000		958.000	189.000	4.500
44536	5,412,334.0	450,024.0	CC	19/08/93	1.20	34.000	13.000	72.000		314.000	231.000	4.500
44537	5,412,335.0	449,999.0	CC	19/08/93	1.20	32.000	13.000	68.000		349.000	205.000	3.500
44538	5,412,335.0	449,973.0	CC	19/08/93	1.20	36.000	9.000	71.000		305.000	218.000	5.500
44539	5,412,336.0	449,947.0	CC	19/08/93	1.20	37.000	10.000	71.000		301.000	222.000	7.000
44540	5,412,337.0	449,921.0	CC	19/08/93	1.20	35.000	16.000	64.000		216.000	237.000	5.500
44541	5,412,337.0	449,895.0	CC	19/08/93	1.20	35.000	18.000	69.000		1258.000	212.000	6.000
44542	5,412,338.0	449,869.0	CC	19/08/93	1.20	54.000	7.000	62.000		218.000	289.000	8.000
44543	5,412,339.0	449,843.0	CC	19/08/93	1.20	35.000	17.000	66.000		2189.000	293.000	8.000
44544	5,412,340.0	449,817.0	CC	19/08/93	1.20	82.000	10.000	56.000		242.000	393.000	12.000
44545	5,412,340.0	449,791.0	CC	19/08/93	1.20	53.000	6.000	70.000		342.000	275.000	9.000
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA1D4	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44546	5,412,339.0	449,766.0	CC	19/08/93	1.20	39.000	22.000	89.000	9400.000		213.000	8.500
44547	5,412,337.0	449,740.0	CC	19/08/93	1.20	41.000	11.000	81.000	5900.000		220.000	19.000
44548	5,412,336.0	449,715.0	CC	19/08/93	1.20	44.000	15.000	80.000	7400.000		231.000	9.000
44549	5,412,334.0	449,689.0	CC	19/08/93	1.20	35.000	4.000	60.000		586.000	238.000	10.000
44551	5,412,333.0	449,664.0	CC	19/08/93	1.20	46.000	15.000	77.000		4141.000	244.000	6.000
44552	5,412,331.0	449,638.0	CC	19/08/93	1.20	51.000	17.000	85.000	8500.000		245.000	11.000
44553	5,412,330.0	449,613.0	CC	19/08/93	1.20	48.000	18.000	86.000		4207.000	251.000	13.500
44554	5,412,328.0	449,587.0	CC	19/08/93	1.20	33.000	7.000	63.000		492.000	248.000	11.000
44555	5,412,326.0	449,562.0	CC	19/08/93	1.00	48.000	31.000	79.000	8100.000		259.000	10.000
44556	5,412,325.0	449,536.0	CC	19/08/93	1.20	60.000	9.000	86.000		1128.000	251.000	8.000
44557	5,412,323.0	449,511.0	CC	19/08/93	1.20	65.000	9.000	92.000		339.000	239.000	14.000
44558	5,412,322.0	449,485.0	CC	19/08/93	1.20	22.000	28.000	118.000		487.000	212.000	13.500
44559	5,412,320.0	449,460.0	CC	19/08/93	1.20	43.000	33.000	149.000		470.000	206.000	18.500
44560	5,412,319.0	449,434.0	CC	19/08/93	1.20	33.000	18.000	113.000		349.000	253.000	26.000
44561	5,412,317.0	449,409.0	CC	19/08/93	1.20	41.000	6.000	89.000		298.000	162.000	11.000
44562	5,412,319.0	449,382.0	CC	19/08/93	1.20	13.000	13.000	110.000		345.000	206.000	10.000
44563	5,412,321.0	449,355.0	CC	19/08/93	0.80	15.000	18.000	96.000		482.000	195.000	11.500
44564	5,412,323.0	449,329.0	CC	19/08/93	0.80	7.000	19.000	93.000		371.000	185.000	7.000
44565	5,412,324.0	449,302.0	CC	19/08/93	1.20	24.000	16.000	90.000		228.000	154.000	14.000
44566	5,412,326.0	449,275.0	CC	19/08/93	1.20	16.000	15.000	78.000		168.000	231.000	18.500
44567	5,412,328.0	449,248.0	CC	19/08/93	1.20	35.000	42.000	129.000		318.000	284.000	18.000
44568	5,412,330.0	449,222.0	CC	19/08/93	1.20	57.000	49.000	160.000		656.000	261.000	17.000
44569	5,412,331.0	449,195.0	CC	19/08/93	1.20	36.000	31.000	116.000		691.000	227.000	7.000
Remarks: SAMPLE TAKEN IN BANK EAST SIDE CREEK.												
44570	5,412,333.0	449,168.0	CC	19/08/93	0.80	39.000	46.000	64.000	7800.000		238.000	6.000
Remarks: SAMPLE TAKEN IN BANK EAST SIDE CREEK.												
44571	5,412,333.0	449,141.0	CC	19/08/93	1.20	49.000	17.000	64.000	13600.000		293.000	13.000
44572	5,412,333.0	449,113.0	CC	19/08/93	1.20	28.000	50.000	94.000		2349.000	271.000	9.000
44573	5,412,333.0	449,086.0	CC	19/08/93	1.20	26.000	23.000	71.000		292.000	330.000	13.000
44574	5,412,333.0	449,059.0	CC	19/08/93	1.20	24.000	15.000	86.000		511.000	278.000	8.000
44575	5,412,333.0	449,031.0	CC	19/08/93	0.80	19.000	15.000	68.000		302.000	259.000	8.000
44576	5,412,333.0	449,004.0	CC	19/08/93	1.20	21.000	17.000	69.000		185.000	250.000	11.000
44577	5,412,333.0	448,977.0	CC	19/08/93	1.20	28.000	23.000	99.000		566.000	233.000	10.500
44578	5,412,333.0	448,949.0	CC	19/08/93	1.20	32.000	29.000	92.000		1075.000	210.000	10.000
44579	5,412,333.0	448,922.0	CC	19/08/93	1.20	39.000	36.000	102.000		576.000	243.000	11.000
44580	5,412,333.0	448,894.0	CC	19/08/93	1.20	37.000	25.000	88.000		291.000	296.000	15.500
44581	5,412,332.0	448,867.0	CC	19/08/93	1.20	50.000	38.000	97.000		286.000	261.000	10.000
44582	5,412,332.0	448,840.0	CC	19/08/93	1.20	43.000	18.000	54.000		226.000	210.000	7.000
44583	5,412,332.0	448,812.0	CC	19/08/93	1.00	48.000	7.000	50.000		152.000	205.000	7.000
44584	5,412,332.0	448,785.0	CC	19/08/93	1.20	63.000	4.000	77.000		288.000	356.000	6.000
44585	5,412,334.0	448,760.0	CC	19/08/93	0.80	171.000	-3.000	117.000		1595.000	317.000	6.500
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA104	GA140	GA140	

898028

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44586	5,412,335.0	448,734.0	CC	19/08/93	1.20	43.000	-3.000	88.000		1476.000	309.000	3.000
44587	5,412,337.0	448,709.0	CC	19/08/93	1.20	52.000	-3.000	86.000		1365.000	322.000	5.000
44588	5,412,338.0	448,684.0	CC	19/08/93	0.70	23.000	-3.000	76.000		1357.000	326.000	2.500
44589	5,412,340.0	448,658.0	CC	19/08/93	1.20	22.000	-3.000	95.000		1032.000	324.000	2.500
44590	5,412,341.0	448,633.0	CC	19/08/93	0.90	10.000	-3.000	76.000		1219.000	207.000	3.000
44591	5,412,343.0	448,607.0	CC	19/08/93	1.20	13.000	-3.000	81.000		1080.000	280.000	2.500
44592	5,412,344.0	448,582.0	CC	19/08/93	1.20	34.000	-3.000	70.000		1073.000	238.000	3.500
44593	5,412,346.0	448,557.0	CC	19/08/93	1.20	17.000	4.000	67.000		740.000	241.000	6.000
44594	5,412,347.0	448,531.0	CC	19/08/93	1.20	16.000	6.000	57.000		213.000	147.000	4.500
44595	5,412,349.0	448,506.0	CC	19/08/93	1.20	11.000	37.000	50.000		134.000	159.000	6.500
44596	5,412,350.0	448,481.0	CC	19/08/93	0.80	43.000	9.000	52.000		121.000	175.000	8.000
44597	5,412,352.0	448,455.0	CC	19/08/93	0.80	30.000	13.000	52.000		396.000	139.000	6.500
44598	5,412,353.0	448,430.0	CC	19/08/93	1.20	24.000	4.000	58.000		365.000	269.000	9.500
44599	5,412,355.0	448,404.0	CC	19/08/93	1.20	44.000	12.000	63.000		121.000	258.000	8.000
44600	5,412,356.0	448,379.0	CC	19/08/93	0.80	34.000	12.000	53.000		115.000	123.000	8.500
44601	5,412,354.0	448,399.0	CC	/ /	1.20	45.000	20.000	79.000		1116.000	229.000	7.000
44602	5,412,354.0	448,424.0	CC	/ /	1.20	46.000	12.000	72.000		646.000	315.000	5.500
44603	5,412,354.0	448,477.0	CC	/ /	1.20	55.000	6.000	51.000		96.000	222.000	8.000
44604	5,412,353.0	448,503.0	CC	/ /	0.80	54.000	12.000	40.000		89.000	152.000	5.500
44605	5,412,353.0	448,529.0	CC	/ /	0.60	16.000	6.000	41.000		203.000	121.000	3.000
44606	5,412,353.0	448,556.0	CC	/ /	1.20	7.000	10.000	52.000		179.000	206.000	4.000
44607	5,412,353.0	448,582.0	CC	/ /	0.90	11.000	13.000	52.000		137.000	293.000	1.000
44608	5,412,352.0	448,609.0	CC	/ /	1.20	29.000	6.000	55.000		168.000	283.000	1.000
44609	5,412,352.0	448,635.0	CC	/ /	1.20	87.000	11.000	76.000		1336.000	409.000	2.000
44610	5,412,352.0	448,661.0	CC	/ /	1.20	81.000	32.000	143.000		453.000	392.000	1.500
44611	5,412,352.0	448,688.0	CC	/ /	1.20	52.000	5.000	67.000		617.000	357.000	1.500
44612	5,412,351.0	448,714.0	CC	/ /	1.20	73.000	3.000	101.000		841.000	450.000	2.000
44613	5,412,351.0	448,740.0	CC	/ /	1.20	89.000	3.000	77.000		342.000	467.000	2.000
44614	5,412,351.0	448,767.0	CC	/ /	1.20	69.000	12.000	64.000		1868.000	385.000	43.000
44615	5,412,351.0	448,793.0	CC	/ /	1.20	71.000	17.000	77.000	8400.000		363.000	8.000
44616	5,412,350.0	448,820.0	CC	/ /	1.20	71.000	12.000	73.000		3441.000	401.000	7.000
44617	5,412,350.0	448,846.0	CC	/ /	1.20	83.000	11.000	82.000	7700.000		381.000	6.500
44618	5,412,350.0	448,872.0	CC	/ /	1.20	82.000	8.000	83.000		3568.000	411.000	4.000
44619	5,412,350.0	448,899.0	CC	/ /	1.20	76.000	26.000	74.000		1348.000	390.000	9.000
44620	5,412,349.0	448,951.0	CC	/ /	1.00	30.000	28.000	65.000		878.000	231.000	11.000
44621	5,412,349.0	448,978.0	CC	/ /	1.00	20.000	14.000	90.000		461.000	254.000	8.000
44622	5,412,348.0	449,031.0	CC	/ /	1.20	21.000	13.000	82.000		260.000	288.000	9.000
44623	5,412,348.0	449,057.0	CC	/ /	1.20	30.000	35.000	71.000		176.000	258.000	10.000
44624	5,412,348.0	449,083.0	CC	/ /	1.20	34.000	17.000	59.000		2218.000	263.000	8.000
44625	5,412,348.0	449,110.0	CC	/ /	1.20	45.000	14.000	71.000		283.000	295.000	8.000
44626	5,412,347.0	449,136.0	CC	/ /	1.20	29.000	10.000	63.000		167.000	307.000	8.000

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA104	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44627	5,412,549.0	448,925.0	CC	/ /	1.20	82.000	14.000	86.000		955.000	380.000	13.500
44628	5,412,549.0	449,004.0	CC	/ /	1.20	15.000	12.000	118.000		780.000	212.000	5.500
44629	5,412,546.0	449,162.0	CC	/ /	1.20	49.000	21.000	57.000		210.000	230.000	6.000
44630	5,412,545.0	449,188.0	CC	/ /	1.20	31.000	6.000	60.000		152.000	223.000	7.000
44631	5,412,543.0	449,215.0	CC	/ /	1.20	87.000	6.000	57.000		338.000	267.000	9.000
44632	5,412,542.0	449,241.0	CC	/ /	1.20	42.000	6.000	71.000		457.000	249.000	6.000
44633	5,412,541.0	449,267.0	CC	/ /	1.00	35.000	11.000	91.000		223.000	228.000	1.000
44634	5,412,539.0	449,293.0	CC	/ /	1.20	30.000	14.000	60.000		272.000	196.000	10.000
44635	5,412,538.0	449,319.0	CC	/ /	1.20	27.000	23.000	75.000		276.000	182.000	5.500
44636	5,412,537.0	449,345.0	CC	/ /	1.20	31.000	19.000	93.000		312.000	208.000	6.000
44637	5,412,535.0	449,372.0	CC	/ /	1.00	39.000	42.000	92.000		323.000	200.000	7.500
44638	5,412,534.0	449,398.0	CC	/ /	1.20	28.000	76.000	180.000		361.000	151.000	43.000
44639	5,412,533.0	449,424.0	CC	/ /	1.20	29.000	31.000	81.000		238.000	185.000	15.500
44640	5,412,531.0	449,450.0	CC	/ /	1.20	23.000	59.000	72.000	7900.000		143.000	9.000
44641	5,412,531.0	449,477.0	CC	/ /	1.20	27.000	26.000	86.000		462.000	210.000	6.500
44642	5,412,531.0	449,494.0	CC	/ /	1.20	29.000	39.000	83.000	5300.000		174.000	11.000
44643	5,412,530.0	449,516.0	CC	/ /	1.20	33.000	51.000	97.000	10100.000		199.000	9.500
44644	5,412,530.0	449,538.0	CC	/ /	1.20	32.000	16.000	82.000		519.000	239.000	14.500
44645	5,412,530.0	449,560.0	CC	/ /	1.20	34.000	16.000	87.000		402.000	248.000	12.000
44646	5,412,530.0	449,582.0	CC	/ /	1.20	35.000	21.000	97.000		349.000	209.000	11.000
44647	5,412,529.0	449,604.0	CC	/ /	1.20	35.000	58.000	103.000	6300.000		197.000	8.500
44648	5,412,529.0	449,626.0	CC	/ /	1.20	37.000	35.000	90.000		3563.000	205.000	7.000
44649	5,412,529.0	449,648.0	CC	/ /	1.20	31.000	20.000	91.000		1016.000	234.000	8.500
44651	5,412,529.0	449,670.0	CC	/ /	1.20	31.000	49.000	99.000		2906.000	236.000	9.000
44652	5,412,528.0	449,692.0	CC	/ /	0.80	33.000	39.000	107.000		2800.000	225.000	9.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44653	5,412,527.0	449,732.0	CC	/ /	1.00	29.000	29.000	88.000		1989.000	219.000	7.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44654	5,412,527.0	449,772.0	CC	/ /	1.20	26.000	20.000	81.000		740.000	252.000	7.000
44655	5,412,526.0	449,811.0	CC	/ /	1.20	33.000	33.000	95.000		455.000	235.000	8.500
44656	5,412,525.0	449,851.0	CC	/ /	1.20	35.000	14.000	68.000		264.000	250.000	7.000
44657	5,412,526.0	449,879.0	CC	/ /	1.20	30.000	14.000	66.000		616.000	206.000	4.000
44658	5,412,526.0	449,908.0	CC	/ /	1.20	35.000	13.000	87.000		365.000	211.000	4.500
44659	5,412,527.0	449,936.0	CC	/ /	1.20	40.000	9.000	115.000		346.000	220.000	4.000
44660	5,412,527.0	449,965.0	CC	/ /	1.20	22.000	9.000	74.000		226.000	189.000	4.000
44661	5,412,528.0	449,993.0	CC	/ /	1.20	26.000	11.000	74.000		205.000	185.000	2.500
44662	5,412,732.0	449,885.0	CC	/ /	0.60	21.000	25.000	117.000		125.000	176.000	18.500
44663	5,412,732.0	449,860.0	CC	/ /	1.20	20.000	26.000	62.000		85.000	155.000	11.000
44664	5,412,732.0	449,835.0	CC	/ /	0.70	32.000	23.000	91.000		191.000	188.000	14.000
44665	5,412,732.0	449,810.0	CC	/ /	0.70	20.000	20.000	116.000		333.000	158.000	5.500
44666	5,412,731.0	449,782.0	CC	/ /	1.20	15.000	22.000	91.000		1224.000	137.000	3.000

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA104	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44667	5,412,731.0	449,754.0	CC	/ /	1.20	22.000	22.000	88.000		162.000	126.000	3.500
44668	5,412,730.0	449,726.0	CC	/ /	1.20	48.000	13.000	48.000		183.000	281.000	5.000
44669	5,412,729.0	449,697.0	CC	/ /	1.20	31.000	7.000	100.000		564.000	209.000	5.000
44670	5,412,728.0	449,669.0	CC	/ /	0.90	23.000	32.000	68.000		469.000	196.000	5.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44671	5,412,727.0	449,641.0	CC	/ /	1.20	32.000	15.000	59.000		423.000	241.000	7.000
44672	5,412,728.0	449,614.0	CC	/ /	1.20	39.000	34.000	98.000	5400.000	200.000	200.000	7.000
44673	5,412,728.0	449,587.0	CC	/ /	1.20	56.000	83.000	181.000		1126.000	211.000	9.000
44674	5,412,728.0	449,561.0	CC	/ /	1.20	65.000	69.000	120.000		2180.000	207.000	9.000
44675	5,412,729.0	449,534.0	CC	/ /	1.20	28.000	19.000	67.000		1382.000	199.000	7.000
44676	5,412,729.0	449,507.0	CC	/ /	1.20	25.000	18.000	75.000		418.000	235.000	9.000
44677	5,412,729.0	449,480.0	CC	/ /	1.20	24.000	30.000	63.000		3731.000	196.000	6.000
44678	5,412,730.0	449,453.0	CC	/ /	1.20	24.000	25.000	66.000		3630.000	197.000	5.000
44679	5,412,730.0	449,427.0	CC	/ /	1.20	31.000	13.000	57.000		287.000	241.000	6.000
44680	5,412,731.0	449,400.0	CC	/ /	1.20	36.000	13.000	64.000		167.000	305.000	9.000
44681	5,412,731.0	449,373.0	CC	/ /	1.20	18.000	19.000	62.000		2452.000	154.000	6.000
44682	5,412,731.0	449,346.0	CC	/ /	1.20	24.000	38.000	122.000		275.000	237.000	7.000
44683	5,412,732.0	449,320.0	CC	/ /	1.20	20.000	22.000	72.000		172.000	201.000	6.000
44684	5,412,732.0	449,293.0	CC	/ /	1.20	29.000	13.000	74.000		154.000	240.000	7.000
44685	5,412,732.0	449,266.0	CC	/ /	1.20	25.000	11.000	53.000		164.000	216.000	45.000
44686	5,412,733.0	449,239.0	CC	/ /	1.20	24.000	12.000	48.000		117.000	236.000	5.000
44687	5,412,733.0	449,212.0	CC	/ /	1.00	29.000	10.000	53.000		279.000	237.000	4.000
44688	5,412,734.0	449,186.0	CC	/ /	1.20	73.000	12.000	44.000		225.000	248.000	5.000
44689	5,412,734.0	449,159.0	CC	/ /	1.20	50.000	29.000	46.000		136.000	261.000	4.000
44690	5,412,734.0	449,132.0	CC	/ /	1.20	42.000	10.000	53.000		179.000	303.000	5.000
44691	5,412,734.0	449,106.0	CC	/ /	1.00	26.000	11.000	56.000		201.000	305.000	5.000
44692	5,412,735.0	449,079.0	CC	/ /	1.20	39.000	7.000	79.000		2694.000	313.000	5.500
44693	5,412,735.0	449,053.0	CC	/ /	1.20	43.000	8.000	61.000		823.000	332.000	9.000
44694	5,412,735.0	449,026.0	CC	/ /	1.20	60.000	4.000	63.000		452.000	368.000	6.000
44695	5,412,735.0	449,000.0	CC	/ /	1.20	56.000	15.000	77.000	6600.000		305.000	7.000
44696	5,412,735.0	448,974.0	CC	/ /	1.20	53.000	24.000	80.000	8800.000		290.000	6.000
44697	5,412,735.0	448,947.0	CC	/ /	1.20	74.000	8.000	66.000		2363.000	448.000	7.000
44698	5,412,736.0	448,921.0	CC	/ /	1.20	66.000	7.000	68.000		1890.000	372.000	5.500
44699	5,412,736.0	448,894.0	CC	/ /	1.20	69.000	7.000	69.000		1297.000	356.000	11.000
44701	5,412,736.0	448,868.0	CC	/ /	1.20	88.000	13.000	101.000		1216.000	434.000	13.000
44702	5,412,736.0	448,842.0	CC	/ /	1.20	75.000	11.000	87.000		547.000	455.000	14.000
44703	5,412,736.0	448,815.0	CC	/ /	1.20	167.000	8.000	49.000		295.000	754.000	4.500
44704	5,412,737.0	448,789.0	CC	/ /	1.20	82.000	9.000	52.000		269.000	495.000	3.000
44705	5,412,737.0	448,763.0	CC	/ /	1.20	125.000	13.000	60.000		232.000	507.000	3.500
Remarks: SOME QUARTZ PC'S.												
44706	5,412,737.0	448,736.0	CC	/ /	0.90	71.000	7.000	74.000		385.000	483.000	5.500
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA104	GA140	GA140	

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44707	5,412,737.0	448,710.0	CC	/ /	1.20	59.000	7.000	58.000		219.000	670.000	4.000
44708	5,412,737.0	448,683.0	CC	/ /	0.60	57.000	13.000	80.000		704.000	400.000	2.500
44709	5,412,737.0	448,657.0	CC	/ /	0.60	57.000	10.000	66.000		303.000	249.000	3.500
44710	5,412,738.0	448,631.0	CC	/ /	0.60	17.000	10.000	50.000		362.000	239.000	4.000
44711	5,412,738.0	448,604.0	CC	/ /	0.80	25.000	11.000	64.000		334.000	250.000	4.000
44712	5,412,738.0	448,578.0	CC	/ /	1.20	11.000	44.000	42.000		99.000	125.000	3.500
44713	5,412,738.0	448,551.0	CC	/ /	0.80	68.000	14.000	37.000		82.000	191.000	12.000
44714	5,412,738.0	448,525.0	CC	/ /	0.90	45.000	17.000	60.000		316.000	219.000	8.000
44715	5,412,958.0	448,588.0	CC	/ /	0.40	27.000	16.000	54.000		154.000	120.000	5.000
44716	5,412,958.0	448,616.0	CC	/ /	1.20	23.000	8.000	65.000		217.000	156.000	2.000
44717	5,412,957.0	448,643.0	CC	/ /	1.20	46.000	8.000	50.000		307.000	321.000	5.000
44718	5,412,960.0	448,657.0	CC	/ /	0.80	96.000	-3.000	71.000		1172.000	499.000	14.000
44719	5,412,956.0	448,699.0	CC	/ /	0.80	117.000	4.000	42.000		343.000	507.000	5.500
44720	5,412,962.0	448,720.0	CC	/ /	1.20	68.000	-3.000	53.000		241.000	745.000	3.500
44721	5,412,955.0	448,754.0	CC	/ /	1.20	132.000	3.000	52.000		280.000	447.000	4.500
44722	5,412,954.0	448,782.0	CC	/ /	1.20	115.000	3.000	46.000		268.000	488.000	3.000
44723	5,412,953.0	448,810.0	CC	/ /	1.20	113.000	3.000	54.000		412.000	435.000	6.500
44724	5,412,953.0	448,837.0	CC	/ /	1.20	68.000	3.000	84.000		274.000	474.000	6.500
44725	5,412,952.0	448,865.0	CC	/ /	1.20	94.000	7.000	57.000		489.000	373.000	4.500
44726	5,412,952.0	448,892.0	CC	/ /	1.20	79.000	10.000	59.000		1651.000	354.000	5.000
44727	5,412,952.0	448,920.0	CC	/ /	1.20	66.000	16.000	60.000	6500.000		287.000	4.500
44728	5,412,951.0	448,947.0	CC	/ /	1.20	42.000	11.000	61.000		677.000	247.000	6.000
44729	5,412,951.0	448,975.0	CC	/ /	1.20	33.000	17.000	59.000		301.000	198.000	5.500
44730	5,412,951.0	449,002.0	CC	/ /	1.20	36.000	13.000	74.000		2288.000	243.000	6.000
44731	5,412,950.0	449,029.0	CC	/ /	1.20	35.000	10.000	53.000		220.000	321.000	6.500
44732	5,412,950.0	449,057.0	CC	/ /	1.20	16.000	11.000	53.000		176.000	309.000	5.500
44733	5,412,950.0	449,084.0	CC	/ /	0.80	62.000	17.000	61.000		146.000	289.000	5.500
44734	5,412,950.0	449,112.0	CC	/ /	1.20	20.000	30.000	50.000		365.000	325.000	5.000
44735	5,412,949.0	449,139.0	CC	/ /	1.20	32.000	34.000	70.000		172.000	315.000	6.000
44736	5,412,948.0	449,163.0	CC	/ /	1.20	61.000	15.000	78.000		356.000	250.000	4.000
44737	5,412,947.0	449,187.0	CC	/ /	1.20	17.000	9.000	44.000		342.000	118.000	4.000
44738	5,412,946.0	449,212.0	CC	/ /	1.20	66.000	8.000	56.000		172.000	267.000	6.500
44739	5,412,945.0	449,236.0	CC	/ /	1.20	60.000	92.000	67.000		196.000	301.000	6.500
44740	5,412,944.0	449,260.0	CC	/ /	1.20	52.000	13.000	42.000		134.000	148.000	4.500
44741	5,412,943.0	449,290.0	CC	/ /	0.60	32.000	11.000	51.000		1313.000	192.000	4.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44742	5,412,943.0	449,320.0	CC	/ /	1.20	34.000	11.000	46.000		176.000	239.000	5.500
44743	5,412,942.0	449,349.0	CC	/ /	1.20	39.000	14.000	48.000		199.000	250.000	11.000
44744	5,412,941.0	449,379.0	CC	/ /	1.20	47.000	15.000	47.000		340.000	213.000	6.500
44745	5,412,940.0	449,409.0	CC	/ /	1.20	35.000	19.000	59.000		2446.000	238.000	9.000
44746	5,412,949.0	449,436.0	CC	/ /	1.20	29.000	12.000	55.000		299.000	199.000	6.000
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA104	GA140	GA140	

898032

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
44747	5,412,958.0	449,462.0	CC	/ /	1.20	26.000	10.000	55.000		200.000	211.000	9.000
44748	5,412,948.0	449,487.0	CC	/ /	1.20	25.000	11.000	49.000		146.000	199.000	2.000
44749	5,412,938.0	449,511.0	CC	/ /	1.00	37.000	15.000	87.000		511.000	270.000	10.500
44751	5,412,938.0	449,539.0	CC	/ /	1.20	42.000	10.000	55.000		297.000	214.000	4.000
44752	5,412,939.0	449,567.0	CC	/ /	1.20	34.000	13.000	53.000		3352.000	205.000	14.000
44753	5,412,939.0	449,594.0	CC	/ /	0.60	57.000	14.000	99.000		1704.000	215.000	4.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44754	5,412,939.0	449,622.0	CC	/ /	1.20	67.000	9.000	78.000		399.000	211.000	4.000
44755	5,412,939.0	449,650.0	CC	/ /	1.20	72.000	10.000	133.000		979.000	253.000	7.000
44756	5,412,940.0	449,678.0	CC	/ /	1.20	26.000	11.000	78.000		1295.000	236.000	3.500
44757	5,412,940.0	449,706.0	CC	/ /	1.00	100.000	14.000	69.000	6500.000		176.000	4.000
44758	5,412,940.0	449,734.0	CC	/ /	1.20	68.000	6.000	59.000		227.000	285.000	6.000
44759	5,412,940.0	449,761.0	CC	/ /	1.20	68.000	9.000	63.000		384.000	278.000	5.000
44760	5,412,941.0	449,789.0	CC	/ /	1.20	50.000	8.000	53.000		333.000	206.000	1.500
44761	5,412,941.0	449,817.0	CC	/ /	1.20	78.000	10.000	56.000		395.000	245.000	3.000
44762	5,412,941.0	449,845.0	CC	/ /	1.20	93.000	8.000	53.000		353.000	292.000	8.000
44763	5,413,126.0	449,779.0	CC	/ /	1.20	23.000	9.000	31.000		220.000	65.000	1.500
44764	5,413,126.0	449,751.0	CC	/ /	1.20	69.000	10.000	52.000		253.000	270.000	2.000
44765	5,413,126.0	449,724.0	CC	/ /	1.20	60.000	14.000	44.000		253.000	213.000	2.000
44766	5,413,125.0	449,696.0	CC	/ /	1.20	55.000	21.000	35.000		313.000	231.000	3.000
44767	5,413,125.0	449,668.0	CC	/ /	1.20	47.000	9.000	44.000		163.000	255.000	7.000
44768	5,413,125.0	449,640.0	CC	/ /	1.20	23.000	6.000	45.000		146.000	195.000	2.500
44769	5,413,125.0	449,613.0	CC	/ /	1.20	103.000	13.000	106.000		113.000	220.000	13.000
44770	5,413,124.0	449,585.0	CC	/ /	1.20	43.000	19.000	67.000		448.000	272.000	5.000
44771	5,413,124.0	449,557.0	CC	/ /	0.60	14.000	5.000	37.000		752.000	108.000	2.000
44772	5,413,126.0	449,530.0	CC	/ /	1.20	42.000	7.000	54.000		187.000	227.000	4.500
44773	5,413,127.0	449,503.0	CC	/ /	1.20	50.000	10.000	64.000		165.000	211.000	4.000
44774	5,413,129.0	449,475.0	CC	/ /	1.00	56.000	10.000	43.000		621.000	220.000	5.000
44775	5,413,130.0	449,448.0	CC	/ /	1.20	32.000	21.000	61.000		4130.000	254.000	10.000
44776	5,413,132.0	449,421.0	CC	/ /	1.20	35.000	9.000	71.000		461.000	248.000	4.000
44777	5,413,133.0	449,394.0	CC	/ /	1.20	38.000	15.000	64.000		1902.000	211.000	7.000
44778	5,413,135.0	449,366.0	CC	/ /	1.20	41.000	9.000	65.000		386.000	278.000	24.500
44779	5,413,136.0	449,339.0	CC	/ /	1.20	14.000	12.000	55.000		236.000	201.000	6.000
44780	5,413,138.0	449,312.0	CC	/ /	1.20	18.000	4.000	33.000		351.000	205.000	2.500
44781	5,413,139.0	449,285.0	CC	/ /	0.80	38.000	5.000	85.000		504.000	169.000	2.500
44782	5,413,141.0	449,257.0	CC	/ /	1.20	51.000	15.000	70.000		916.000	234.000	9.000
44783	5,413,142.0	449,230.0	CC	/ /	0.90	28.000	6.000	77.000		1098.000	221.000	4.500
44784	5,413,143.0	449,203.0	CC	/ /	1.20	84.000	8.000	51.000		413.000	232.000	9.000
44785	5,413,145.0	449,176.0	CC	/ /	1.20	34.000	42.000	68.000		861.000	285.000	7.000
44786	5,413,146.0	449,148.0	CC	/ /	1.20	28.000	12.000	61.000		806.000	264.000	5.500
44787	5,413,148.0	449,121.0	CC	/ /	1.20	27.000	11.000	60.000		461.000	275.000	6.000

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000    ANALAB 5.000    ANALAB 5.000    ANALAB 100.00 GA104    ANALAB 3.000 GA140    ANALAB 5.000 GA140    ANALAB 1.000

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
44788	5,413,149.0	449,094.0	CC	/ /	1.20	33.000	10.000	90.000		482.000	290.000	5.000
44789	5,413,151.0	449,067.0	CC	/ /	1.20	26.000	7.000	81.000		420.000	246.000	4.500
44790	5,413,152.0	449,039.0	CC	/ /	1.20	24.000	8.000	208.000		1462.000	275.000	6.500
44791	5,413,154.0	449,012.0	CC	/ /	1.20	5.000	6.000	77.000		262.000	213.000	4.000
44792	5,413,155.0	448,985.0	CC	/ /	0.70	15.000	5.000	63.000		345.000	193.000	4.000
44793	5,413,157.0	448,958.0	CC	/ /	1.20	12.000	3.000	36.000		231.000	153.000	2.000
44794	5,413,158.0	448,930.0	CC	/ /	0.90	45.000	13.000	84.000		1010.000	265.000	8.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44795	5,413,160.0	448,903.0	CC	/ /	0.80	41.000	10.000	77.000		541.000	234.000	5.000
Remarks: SEVERAL ATTEMPTS UNABLE TO PENETRATE ROCKS.												
44796	5,413,161.0	448,876.0	CC	/ /	1.20	80.000	8.000	66.000		210.000	253.000	6.000
44797	5,413,162.0	448,849.0	CC	/ /	1.20	92.000	3.000	73.000		384.000	472.000	3.500
44798	5,413,162.0	448,822.0	CC	/ /	1.20	165.000	4.000	101.000		377.000	466.000	6.000
44799	5,413,162.0	448,795.0	CC	/ /	1.20	145.000	6.000	76.000		220.000	720.000	3.000
44801	5,413,162.0	448,767.0	CC	/ /	1.20	104.000	13.000	48.000		199.000	404.000	2.500
44802	5,413,163.0	448,740.0	CC	/ /	1.20	92.000	7.000	67.000		251.000	495.000	2.000
44803	5,413,163.0	448,713.0	CC	/ /	1.20	41.000	6.000	33.000		90.000	321.000	5.000
44804	5,413,163.0	448,686.0	CC	/ /	1.20	60.000	11.000	45.000		265.000	768.000	4.000
45101	5,411,963.0	448,983.0	CC	19/08/93	1.20	40.000	101.000	137.000		4032.000	268.000	10.500
45102	5,411,963.0	448,956.0	CC	19/08/93	0.90	65.000	33.000	81.000		170.000	147.000	5.500
45103	5,411,963.0	448,929.0	CC	19/08/93	1.20	53.000	69.000	107.000		472.000	287.000	6.000
45104	5,411,963.0	448,903.0	CC	19/08/93	1.20	28.000	89.000	106.000		327.000	246.000	18.500
45105	5,411,963.0	448,876.0	CC	19/08/93	1.20	34.000	98.000	193.000		937.000	278.000	7.000
45106	5,411,963.0	448,849.0	CC	19/08/93	1.20	70.000	263.000	145.000		1680.000	331.000	6.500
45107	5,411,963.0	448,822.0	CC	19/08/93	1.20	43.000	22.000	106.000		544.000	181.000	5.500
45108	5,411,962.0	448,795.0	CC	19/08/93	1.20	104.000	18.000	132.000		500.000	375.000	8.000
45109	5,411,962.0	448,768.0	CC	19/08/93	1.20	87.000	13.000	85.000		848.000	486.000	9.000
45110	5,411,962.0	448,742.0	CC	19/08/93	1.20	90.000	13.000	155.000		1196.000	478.000	8.500
45111	5,411,962.0	448,715.0	CC	19/08/93	1.20	33.000	10.000	127.000		552.000	415.000	5.000
45112	5,411,962.0	448,688.0	CC	19/08/93	1.20	87.000	14.000	155.000		838.000	451.000	4.000
45113	5,411,962.0	448,661.0	CC	19/08/93	1.20	61.000	16.000	66.000		689.000	459.000	3.500
45114	5,411,962.0	448,634.0	CC	19/08/93	1.20	79.000	18.000	71.000		687.000	453.000	4.000
45115	5,411,962.0	448,607.0	CC	19/08/93	1.20	67.000	22.000	70.000		391.000	400.000	5.000
45116	5,411,962.0	448,580.0	CC	19/08/93	1.20	49.000	56.000	88.000		270.000	413.000	7.000
45117	5,411,962.0	448,554.0	CC	19/08/93	1.20	22.000	14.000	70.000		174.000	273.000	6.000
45118	5,411,961.0	448,527.0	CC	19/08/93	1.20	16.000	17.000	51.000		184.000	181.000	5.000
45119	5,411,961.0	448,500.0	CC	19/08/93	0.90	37.000	19.000	72.000		439.000	302.000	6.000
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
45120	5,411,961.0	448,473.0	CC	19/08/93	1.20	42.000	29.000	60.000		234.000	233.000	6.000
45121	5,411,961.0	448,446.0	CC	19/08/93	1.20	25.000	104.000	74.000		216.000	189.000	8.500
Remarks: SAMPLED BANK ON IN SIDE OF CREEK.												

Laboratory:  
 Detection Limit:  
 Method:

ANALAB 5.000  
 ANALAB 5.000  
 ANALAB 5.000  
 ANALAB 100.00  
 ANALAB 3.000  
 ANALAB 5.000  
 ANALAB 1.000  
 GA104  
 GA140  
 GA140

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
45122	5,411,961.0	448,419.0	CC	19/08/93	1.20	29.000	105.000	82.000		516.000	188.000	13.500
45123	5,411,961.0	448,393.0	CC	19/08/93	1.20	23.000	50.000	75.000		271.000	300.000	13.500
45124	5,411,961.0	448,366.0	CC	19/08/93	1.20	20.000	31.000	82.000		154.000	370.000	15.000
45125	5,411,961.0	448,339.0	CC	19/08/93	1.20	26.000	50.000	81.000		169.000	416.000	15.000
45126	5,411,961.0	448,312.0	CC	19/08/93	1.20	25.000	67.000	68.000		194.000	131.000	6.500
45127	5,411,960.0	448,285.0	CC	19/08/93	1.20	22.000	82.000	62.000		216.000	116.000	12.500
45128	5,411,960.0	448,258.0	CC	19/08/93	1.10	17.000	126.000	81.000		806.000	196.000	18.000
45129	5,411,960.0	448,232.0	CC	19/08/93	1.20	31.000	851.000	93.000		3120.000	83.000	25.000
45130	5,412,153.0	448,356.0	CC	19/08/93	1.20	32.000	33.000	48.000		307.000	168.000	9.000
45131	5,412,151.0	448,382.0	CC	19/08/93	1.20	34.000	27.000	45.000		276.000	169.000	8.500
45132	5,412,149.0	448,408.0	CC	19/08/93	1.20	41.000	34.000	57.000		392.000	225.000	8.000
45133	5,412,147.0	448,433.0	CC	19/08/93	0.90	79.000	21.000	54.000		233.000	200.000	26.000
45134	5,412,145.0	448,459.0	CC	19/08/93	1.00	99.000	14.000	40.000		64.000	243.000	14.500
45135	5,412,143.0	448,485.0	CC	19/08/93	1.20	26.000	15.000	24.000		111.000	78.000	4.000
45136	5,412,140.0	448,511.0	CC	19/08/93	1.20	39.000	14.000	39.000		147.000	172.000	6.500
45137	5,412,138.0	448,537.0	CC	19/08/93	1.20	16.000	14.000	40.000		143.000	165.000	4.500
45138	5,412,136.0	448,563.0	CC	19/08/93	0.80	44.000	4.000	45.000		207.000	257.000	5.500
45139	5,412,134.0	448,589.0	CC	19/08/93	1.20	26.000	12.000	56.000		246.000	228.000	5.000
45140	5,412,132.0	448,615.0	CC	19/08/93	1.20	81.000	9.000	51.000		399.000	371.000	4.000
45141	5,412,129.0	448,641.0	CC	19/08/93	1.20	86.000	5.000	60.000		506.000	434.000	3.500
45142	5,412,127.0	448,666.0	CC	19/08/93	1.20	112.000	-3.000	77.000		954.000	479.000	2.000
45143	5,412,125.0	448,692.0	CC	19/08/93	1.20	190.000	9.000	57.000		1807.000	982.000	6.000
45144	5,412,123.0	448,718.0	CC	19/08/93	1.20	79.000	5.000	61.000		289.000	743.000	3.000
45145	5,412,120.0	448,744.0	CC	19/08/93	0.80	66.000	16.000	65.000		572.000	425.000	5.000
Remarks: SEVERAL ATTEMPTS, ROCKY OUTCROP.												
45146	5,412,118.0	448,770.0	CC	19/08/93	0.60	68.000	13.000	71.000		3329.000	446.000	4.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE LARGE ROCKS.												
45147	5,412,118.0	448,797.0	CC	19/08/93	1.00	79.000	25.000	78.000		2183.000	468.000	6.000
45148	5,412,118.0	448,823.0	CC	19/08/93	1.20	77.000	47.000	100.000	6200.000		433.000	6.000
45149	5,412,117.0	448,850.0	CC	19/08/93	1.20	76.000	35.000	109.000	6700.000		400.000	6.000
45151	5,412,117.0	448,877.0	CC	19/08/93	1.20	60.000	32.000	104.000		3480.000	359.000	6.000
45152	5,412,117.0	448,903.0	CC	19/08/93	1.20	29.000	21.000	109.000		1007.000	268.000	10.500
45153	5,412,117.0	448,930.0	CC	19/08/93	1.20	28.000	37.000	119.000		627.000	255.000	7.000
45154	5,412,116.0	448,957.0	CC	19/08/93	1.20	29.000	20.000	173.000		422.000	327.000	11.500
45155	5,412,116.0	448,983.0	CC	19/08/93	1.20	91.000	8.000	95.000		920.000	333.000	10.500
45156	5,412,116.0	449,010.0	CC	19/08/93	1.20	26.000	7.000	99.000		305.000	337.000	8.000
45157	5,412,115.0	449,036.0	CC	19/08/93	1.20	24.000	11.000	77.000		290.000	348.000	8.000
45158	5,412,115.0	449,063.0	CC	19/08/93	1.20	35.000	12.000	107.000		461.000	382.000	8.000
45159	5,412,115.0	449,090.0	CC	19/08/93	1.20	32.000	28.000	220.000		600.000	371.000	9.000
45160	5,412,115.0	449,116.0	CC	19/08/93	1.20	21.000	19.000	158.000		498.000	342.000	11.000
45161	5,412,114.0	449,143.0	CC	19/08/93	1.20	34.000	37.000	137.000		1624.000	301.000	9.500
Laboratory:						ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:						5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:									GA104	GA140	GA140	

898035

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm	Pb ppm	Zn ppm	ANALAB	ANALAB Mn	ANALAB V	As ppm
						ANALAB GA140	ANALAB GA140	ANALAB GA140	Mn_2 ppm GA10	ppm GA140	ppm GA140	ANALAB GA140
45162	5,412,116.0	449,169.0	CC	19/08/93	1.20	30.000	53.000	130.000		1255.000	281.000	13.500
45163	5,412,118.0	449,196.0	CC	19/08/93	1.20	27.000	40.000	183.000		366.000	282.000	10.500
45164	5,412,120.0	449,222.0	CC	19/08/93	1.20	38.000	36.000	102.000		627.000	271.000	10.500
45165	5,412,122.0	449,248.0	CC	19/08/93	1.20	43.000	34.000	78.000		327.000	297.000	5.500
45166	5,412,125.0	449,274.0	CC	19/08/93	1.20	46.000	33.000	76.000		437.000	280.000	6.500
45167	5,412,127.0	449,301.0	CC	19/08/93	1.20	45.000	37.000	113.000		388.000	263.000	6.000
45168	5,412,129.0	449,327.0	CC	19/08/93	1.00	67.000	26.000	89.000		379.000	285.000	9.000
45169	5,412,131.0	449,353.0	CC	19/08/93	1.20	30.000	28.000	105.000		549.000	287.000	7.000
45170	5,412,133.0	449,379.0	CC	19/08/93	0.80	24.000	45.000	95.000		644.000	303.000	8.000
45171	5,412,135.0	449,406.0	CC	19/08/93	1.20	48.000	23.000	81.000		195.000	226.000	7.000
45172	5,412,137.0	449,432.0	CC	19/08/93	1.20	37.000	15.000	76.000		499.000	260.000	5.000
45173	5,412,139.0	449,458.0	CC	19/08/93	1.20	40.000	17.000	83.000		300.000	234.000	10.000
45174	5,412,141.0	449,484.0	CC	19/08/93	0.40	40.000	15.000	85.000		1794.000	165.000	38.000
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
45175	5,412,143.0	449,511.0	CC	19/08/93	0.80	35.000	16.000	76.000		2107.000	220.000	10.000
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
45176	5,412,145.0	449,537.0	CC	19/08/93	1.20	14.000	10.000	60.000		872.000	227.000	11.500
45177	5,412,147.0	449,563.0	CC	19/08/93	0.80	25.000	14.000	78.000		1888.000	247.000	10.500
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
45178	5,412,149.0	449,589.0	CC	19/08/93	0.60	48.000	15.000	134.000		2307.000	266.000	9.000
Remarks: SEVERAL ATTEMPTS, UNABLE TO PENETRATE ROCKS.												
45179	5,412,151.0	449,616.0	CC	19/08/93	1.20	39.000	17.000	91.000		1070.000	302.000	14.500
45180	5,412,153.0	449,642.0	CC	19/08/93	1.20	22.000	6.000	84.000		256.000	265.000	9.000
45181	5,412,154.0	449,667.0	CC	19/08/93	1.00	43.000	7.000	119.000		818.000	267.000	6.000
45182	5,412,156.0	449,692.0	CC	19/08/93	0.80	35.000	3.000	100.000		510.000	260.000	6.000
45183	5,412,157.0	449,717.0	CC	19/08/93	1.20	60.000	4.000	71.000		207.000	255.000	6.000
45184	5,412,158.0	449,742.0	CC	19/08/93	0.80	49.000	4.000	75.000		364.000	193.000	2.500
45185	5,412,159.0	449,767.0	CC	19/08/93	0.80	44.000	11.000	66.000		412.000	261.000	6.000
45186	5,412,160.0	449,791.0	CC	19/08/93	1.20	53.000	5.000	58.000		296.000	289.000	6.500
45187	5,412,162.0	449,816.0	CC	19/08/93	1.20	62.000	-3.000	62.000		187.000	313.000	8.500
45188	5,412,163.0	449,841.0	CC	19/08/93	1.20	50.000	3.000	70.000		246.000	264.000	7.500
45189	5,412,164.0	449,866.0	CC	19/08/93	1.20	43.000	13.000	75.000		1875.000	242.000	6.000
45190	5,412,165.0	449,891.0	CC	19/08/93	1.20	62.000	15.000	76.000		493.000	272.000	13.000
45191	5,412,166.0	449,916.0	CC	19/08/93	1.20	53.000	44.000	80.000		4137.000	208.000	8.000
45192	5,412,166.0	449,942.0	CC	19/08/93	1.20	50.000	24.000	76.000		558.000	210.000	8.500
45193	5,412,165.0	449,968.0	CC	19/08/93	1.20	51.000	53.000	80.000		1027.000	211.000	9.500
45194	5,412,165.0	449,995.0	CC	19/08/93	1.20	50.000	30.000	76.000		635.000	220.000	10.500
45195	5,412,164.0	450,021.0	CC	19/08/93	1.20	40.000	18.000	68.000		2288.000	204.000	4.000
45196	5,412,163.0	450,047.0	CC	19/08/93	1.20	37.000	13.000	73.000		389.000	201.000	4.000
45197	5,412,163.0	450,073.0	CC	19/08/93	1.20	41.000	9.000	75.000		498.000	202.000	6.000
45198	5,412,162.0	450,100.0	CC	19/08/93	1.20	30.000	11.000	68.000		240.000	174.000	5.500

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000
Method:				GA104	GA140	GA140

008036

Sample	TNorth	TEast	Sampler(s)	Date collected	To depth	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	ANALAB Mn_2 ppm GA10	ANALAB Mn ppm GA140	ANALAB V ppm GA140	As ppm ANALAB GA140
45199	5,412,162.0	450,126.0	CC	19/08/93	1.20	34.000	37.000	76.000		1007.000	218.000	9.000

Laboratory:	ANALAB						
Detection Limit:	5.000	5.000	5.000	100.00	3.000	5.000	1.000
Method:				GA104	GA140	GA140	

898037

APPENDIX 2

Ground Magnetic Survey

**RGC** EXPLORATION DIVISION**MEMORANDUM**

**To:** Scott Halley  
**From:** Steve Mudge  
**Subject:** BEULAH GROUND MAGNETICS, TASMANIA  
**Date:** 28 September 1993  
SM:mb, memos\beulah.gm-1

---

A ground magnetometer survey was conducted at Beulah in northern Tasmania during late August, 1993. The survey is a northern extension to a survey conducted by Aberfoyle Resources in 1992.<sup>1989</sup> Details of the surveys and the interpretation of the data are presented below.

### Survey Specifications

The RGC survey was conducted along a series of east-west lines spaced 100 metres apart with measurements made at 5 metre intervals. The survey extended from line 1200N to line 3200N 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 Aberfoyle survey was conducted along a series of north-south lines spaced 200 metres apart with measurements made at 10 metre intervals. The survey extended from line 47600E to 51800E. It is located south of the RGC survey which was designed so that lines 1200N and 1300N overlap the northern part of the Aberfoyle survey. It is apparent that some data editing has been done by Aberfoyle.

The two data sets were merged by RGC and are shown as profiles and contours at 1:10,000 scale.

### Interpretation

A diagrammatic interpretation of the data is shown in the accompanying plan at 1:10,000 scale. This analysis serves to show the magnetic lineaments and magnetic boundaries observed in the data.

The magnetic zone west of about 447900E is attributed to the magnetic Beulah granite.

The non-magnetic zone between 447800E and 4484000E is due to the non-magnetic Gog Range Greywacke.

The magnetic boundary extending from 448400E south-east to about 450900E 5408700N is clearly marking the southern extent of the magnetic Beulah Formation which contains andesite.

Other magnetic boundaries shown might be reflecting variations in the thickness of magnetic andesite in the Beulah Formation or alternatively, they might be showing the boundaries of deeper magnetic rocks, for example a possible eastly extension of the Beulah granite.

The parallel lineaments L1 and L2 which are orientated approximately  $45^\circ$  show clearly in the imaged data. Lineament L3, orientated approximately  $310^\circ$ , is not clear in either the contours or imaged data however a structure appears to be evident in both presentations of the data. L3 may be related to a broader and much deeper structure.

Two prominent magnetic lows ML1 and ML2, can be seen at 449300E 5410500N and at 450200E 5410150N. Both are located in the magnetic Beulah Formation and may be indicative of magnetite destructive alteration.

### Conclusions

The magnetic surveys have be very successful in mapping in detail the contacts between the various major rock units. Magnetic subdivisions have been identified within the Beulah Formation and several magnetic lineaments have also been delineated.

In addition, two magnetic low zones were detected within the magnetic Beulah Formation.

### Recommendations

The two magnetic lows ML1 and ML2 ought to be subject to detailed geological and geochemical investigations in order to explain their sources and to identify possible mineralised alteration zones.

A handwritten signature in black ink, appearing to read "Stephen Mudge", is written over a long, thin horizontal line that extends across the width of the signature.

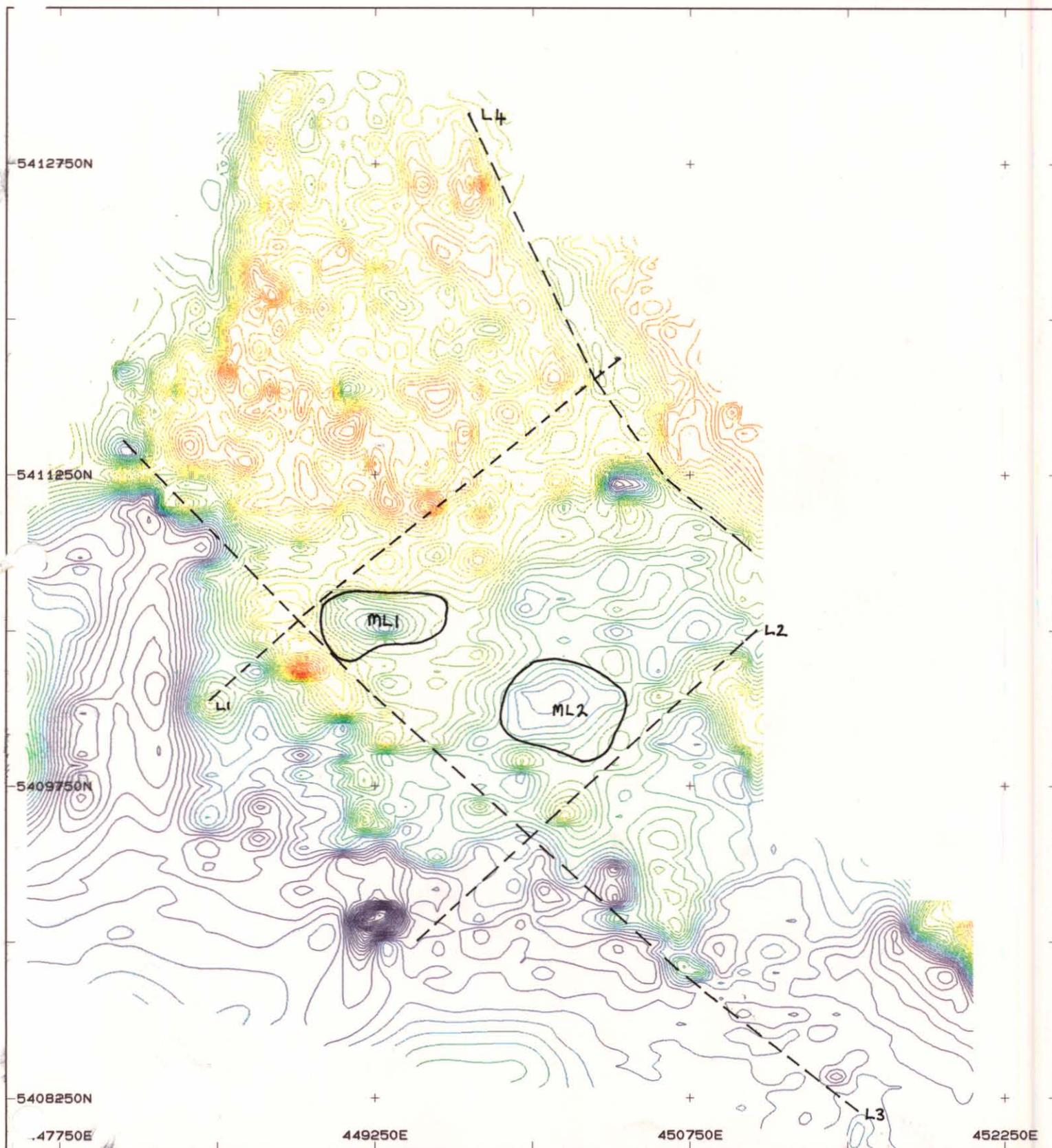


Figure 3. Major Magnetic trends in the Beulah Area.  
1:25 000

5 cm

APPENDIX 3

Additional Rock Chip Geochemistry

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	Sample kind	Rock type
34933	408,715.0	453,970.0	01/04/93	MV	5534	AMG	RC	LAHF
	Remarks: Hbl-feld phyric andesite (sample A).							
34934	408,880.0	454,320.0	01/04/93	MV	5534	AMG	RC	LAH
	Remarks: Hbl phyric andesite (sample B)							
34935	408,420.0	454,350.0	01/04/93	MV	5534	AMG	RC	LA
	Remarks: Ser-epid? altered andesite (sample C)							
34936	408,070.0	454,750.0	01/04/93	MV	5534	AMG	RC	LAH
	Remarks: Chl-pyr altered ferromag phyric andesite (sample D)							
34937	409,215.0	447,915.0	01/04/93	MV	5534	AMG	RC	
	Remarks: (sample E)							
34938	414,005.0	449,205.0	01/04/93	MV	5534	AMG	RC	LA
	Remarks: Either trachytic tertiary Basalt or trachytic andesite, minor pyrite and the rock is amygdaloidal. (sample F)							
34939	410,755.0	447,730.0	01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B1) Pink Mgr mafic granite/granodiorite. Abundant pink feldspar + 10-15% ferromag, only about 5% Qtz, chl-epid in interstices.							
34940					5534		STD	
34941			01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B2) from near margin of granite, yellow (ser-lim altered) Mgr mafic granite/granodiorite.							
34942	410,230.0	447,855.0	01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B3) Grey-black Mgr mafic granite/granodiorite (rare pyrite).							
34943			01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B4) Mgr pink mafic granite/granodiorite, very little Qtz. similar to B1							
34944			01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B5) Mgr equigranular mafic granite/granodiorite, consists of interlocking pink and green feldspars and some ferromag.							
34945			01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B6) Mgr grey mafic granite/granodiorite with scattered pink feldspars. Has very distinct knotted texture in oic, knotts up to 2-3mm. Joint 265/N60 very similar to B5.							
34946	412,415.0	446,740.0	01/04/93	MV	5534	AMG	RC	GRAN
	Remarks: (B7) Mgr grey mafic granite/granodiorite.							

Laboratory:  
 Detection Limit:  
 Method:

Sample	Cu ppm ANALAB GA140	Pb ppm ANALAB GA140	Zn ppm ANALAB GA140	Ti ppm ANALAB GX401	V ppm ANALAB SX401	Sb_n ppm BECQUE INAA	As_n ppm BECQUE INAA	Ba_n ppm BECQUE INAA	Br_n ppm BECQUE INAA	Ce_n ppm BECQUE INAA	Cs_n ppm BECQUE INAA	Cr_n ppm BECQUE INAA	Co_n ppm BECQUE INAA	Eu_n ppm BECQUE INAA	Au_n ppb BECQUE INAA	Hf_n ppm BECQUE INAA
34933	16.000	6.000	93.000	3379.000	221.000	0.430	8.350	1670.000	-2.000	93.000	3.690	27.700	27.800	1.930	-5.000	2.910
34934	56.000		113.000	3493.000	233.000	-0.200	2.870	534.000	-2.000	115.000	4.480	52.300	37.700	2.410	-5.000	3.320
34935	5.000	17.000	22.000	3030.000	158.000	1.860	7.120	-100.000	-2.000	64.500	10.300	55.000	7.580	1.250	-5.000	4.290
34936	16.000		110.000	4374.000	183.000	0.340	8.180	549.000	-2.000	80.500	1.940	81.900	28.900	1.780	-5.000	4.610
34937	6.000		47.000	2527.000	90.000	-0.200	2.660	1420.000	-2.000	49.400	16.700	6.000	13.400	1.000	-5.000	3.040
34938	146.000		83.000	3673.000	238.000	-0.200	3.480	245.000	-2.000	19.500	-1.000	53.400	50.100	0.710	-5.000	1.460
34939	21.000		68.000	2732.000	131.000	0.950	3.410	1270.000	-2.000	121.000	1.070	47.200	17.200	1.990	-5.000	5.250
34940																
34941																
34942	4.000		51.000	2876.000	145.000	0.440	1.870	1480.000	-2.000	141.000	3.090	27.100	13.000	2.230	-5.000	4.970
34943																
34944																
34945																
34946	13.000		53.000	2773.000	132.000	0.280	1.300	1070.000	-2.000	67.800	2.290	25.900	19.500	1.280	-5.000	3.880

Laboratory:	ANALAB	ANALAB	ANALAB	ANALAB	ANALAB	BECQUE										
Detection Limit:	5.000	5.000	5.000	1.000	5.000	0.200	2.000	100.00	2.000	2.000	1.000	5.000	1.000	0.500	5.000	1.000
Method:																

Sample	Ir_n ppb BECQUE INAA	Fe_n % BECQUE INAA30	La_n ppm BECQUE INAA	Lu_n ppm BECQUE INAA	Mo_n ppm BECQUE INAA	K_n % BECQUE INAA30	Rb_n ppm BECQUE INAA	Sm_n ppm BECQUE INAA	Sc_n ppm BECQUE INAA	Se_n ppm BECQUE INAA	Ag_n ppm BECQUE INAA	Na_n % BECQUE INAA30	Ta_n ppm BECQUE INAA	Th_n ppm BECQUE INAA	Sn_n ppm BECQUE INAA	W_n ppm BECQUE INAA3
34933	-20.000	6.280	49.800	0.260	-5.000	2.450	67.500	8.490	29.100	-5.000	-5.000	3.660	1.660	16.300	-500.000	-2.000
34934	-20.000	6.510	55.900	0.350	-5.000	1.410	76.200	11.300	31.200	-5.000	-5.000	3.340	-1.000	22.500	-500.000	-2.000
34935	-20.000	6.650	34.700	0.470	-5.000	0.320	26.800	5.050	18.000	-5.000	-5.000	0.060	-1.000	12.400	-500.000	-2.000
34936	-20.000	6.070	42.900	0.620	-5.000	0.760	37.000	7.480	26.200	-5.000	-5.000	2.470	3.280	9.680	-500.000	-2.000
34937	-20.000	5.300	24.500	0.420	-5.000	4.400	132.000	4.550	9.900	-5.000	-5.000	3.190	1.480	7.370	-500.000	-2.000
34938	-20.000	9.110	8.840	0.270	-5.000	-0.200	-20.000	3.370	35.900	-5.000	-5.000	3.040	1.740	1.250	-500.000	-2.000
34939	-20.000	4.560	60.700	0.370	-5.000	3.740	194.000	10.900	19.400	-5.000	-5.000	2.210	1.130	25.600	-500.000	3.610
34940																
34941																
34942	-20.000	4.950	72.900	0.420	-5.000	3.810	138.000	12.100	20.400	-5.000	-5.000	2.030	2.660	25.700	-500.000	-2.000
34943																
34944																
34945																
34946	-20.000	4.880	46.000	0.380	-5.000	2.430	122.000	7.360	20.800	-5.000	-5.000	1.440	1.310	16.400	-500.000	-2.000

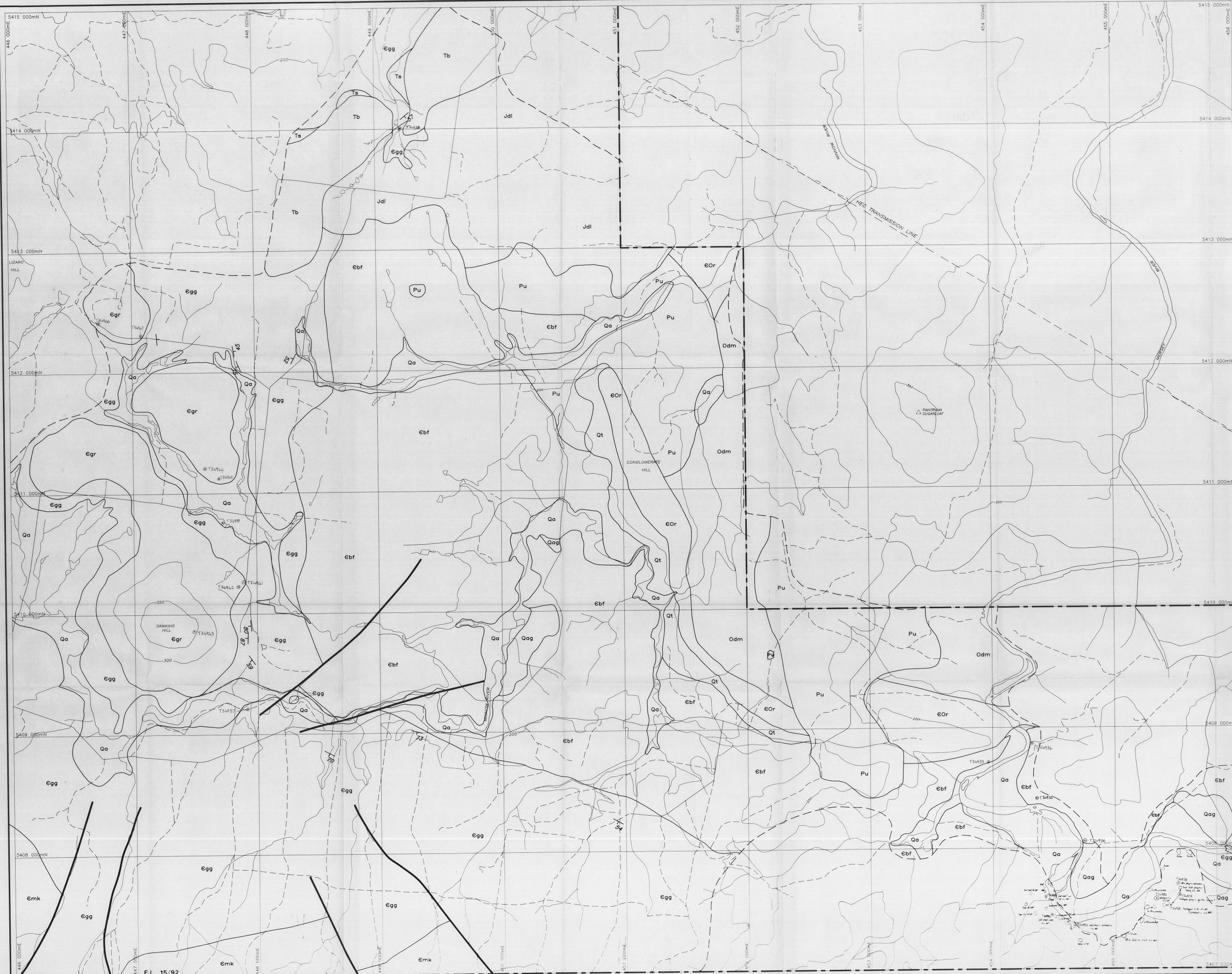
Laboratory:	BECQUE															
Detection Limit:	0.000	0.050	0.500	0.200	5.000	0.200	0.000	0.200	5.000	5.000	5.000	0.050	1.000	0.500	500.00	2.000
Method:																

898045

Sample	U_n ppm BECQUE INAA3	Yb_n ppm BECQUE INAA	Zn_n ppm BECQUE INAA	BECQUE Zr ppm INAA30
34933	5.080	1.790	184.000	-500.000
34934	3.590	2.260	205.000	-500.000
34935	3.980	3.070	-100.000	-500.000
34936	-2.000	3.740	141.000	-500.000
34937	-2.000	2.520	110.000	-500.000
34938	-2.000	1.970	154.000	-500.000
34939	3.860	2.360	134.000	-500.000
34940				
34941				
34942	4.910	2.770	120.000	-500.000
34943				
34944				
34945				
34946	4.300	2.440	119.000	-500.000

Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	2.000	0.500	100.00	100.00
Method:				INAA30

898046



- LEGEND**
- Qa RECENT ALLUVIALS
  - Qt TALUS AND SLOPE DEPOSITS
  - Qag OLDER ALLUVIAL GRAVELS
  - Tb TERTIARY BASALT
  - Ts TERTIARY SEDIMENTS - UNCONSOLIDATED SILICICLASTIC MATERIAL UNDERLYING Tb
  - Jdl JURASSIC DOLERITE
  - Pu UNDIFFERENTIATED PERMAN - MAINLY GRITTY sst TO PEBBLY CONGLOMERATE DETRITUS OF MIXED PROVENANCE
  - Odm MOINA Sst. GREY SILICICLASTIC Sst
  - eOr ROLAND CONGLOMERATE PEBBLE CONGLOMERATE
  - Emk MINNOW KERATOPHYRE - QTZ PHYRIC DACITE LAVAS AND EPICLASTICS
  - egr GRANITE
  - ebf BEULAH FORMATION - ANDESITIC LAVAS AND VOLCANICLASTICS
  - egg GOG RANGE GREYWACKE - MICACEOUS GREYWACKE AND SILTSTONE
- BEDDING  
 FAULT  
 GEOLOGICAL CONTACT  
 LIMIT OF MAPPING  
 ROCK CHIP SAMPLE LOCATION

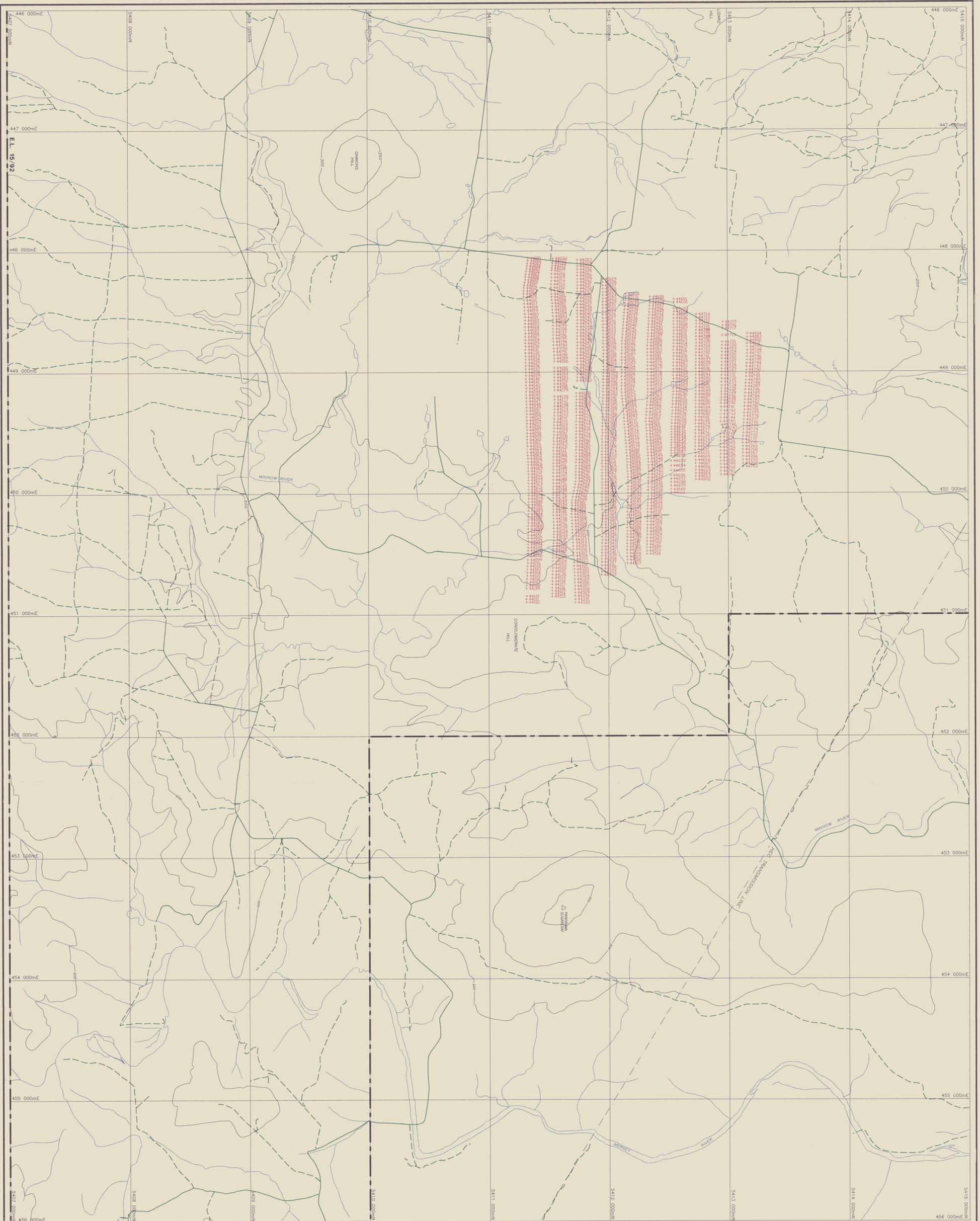
898047

5m

**RGC EXPLORATION PTY. LTD**

COMPILED	M. VIGARY	BEULAH AREA E.L. 15/92
DRAWN	M. WALTER	
DATE	JUNE 93	<b>GEOLOGICAL INTERPRETATION</b>
CHECKED	S. JACKSON	<b>94-3588</b>
SCALE	1:10,000	
DRAWING ID	5234/054	PLAN 1.
FILENAME	BEULAH1.D	

E.L. 15/92



5415 000mE  
5414 000mE  
5413 000mE  
5412 000mE  
5411 000mE  
5410 000mE

446 000mE  
447 000mE  
448 000mE  
449 000mE  
450 000mE  
451 000mE  
452 000mE  
453 000mE  
454 000mE  
455 000mE  
456 000mE

MINNOW RIVER  
MERSLEY RIVER  
CONCOMBERNE HILL  
HESS TRANSDUCTION LINE  
THE STUMPS HILL

5407 000mE  
5408 000mE  
5409 000mE  
5410 000mE  
5411 000mE  
5412 000mE  
5413 000mE  
5414 000mE  
5415 000mE

E.L. 15/92

5m

S98048

RGC EXPLORATION PTY. LTD

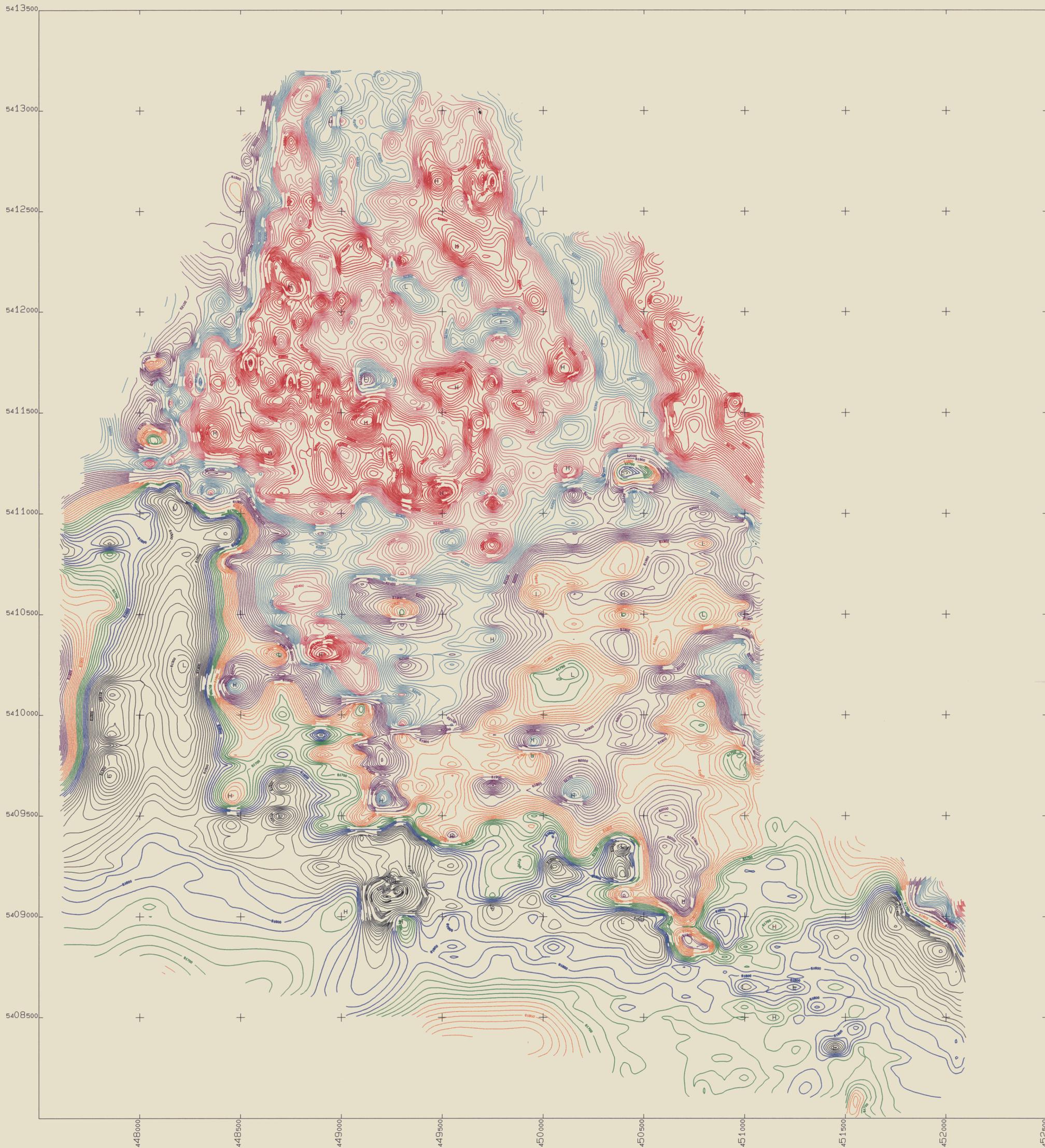
COMPILED BY: M. VOGAN  
DRAWN BY: M. WALTERS  
DATE: JUNE 93  
CHECKED BY:  
SCALE: 1:10,000  
DRAWING ID: S534/004  
FILENAME: BELUANTO

BELUANTO AREA, E.L. 15/92

SOIL SAMPLE LOCATION PLAN

**94-3588**

PLAN 2



898049

SCALE  
1:10000



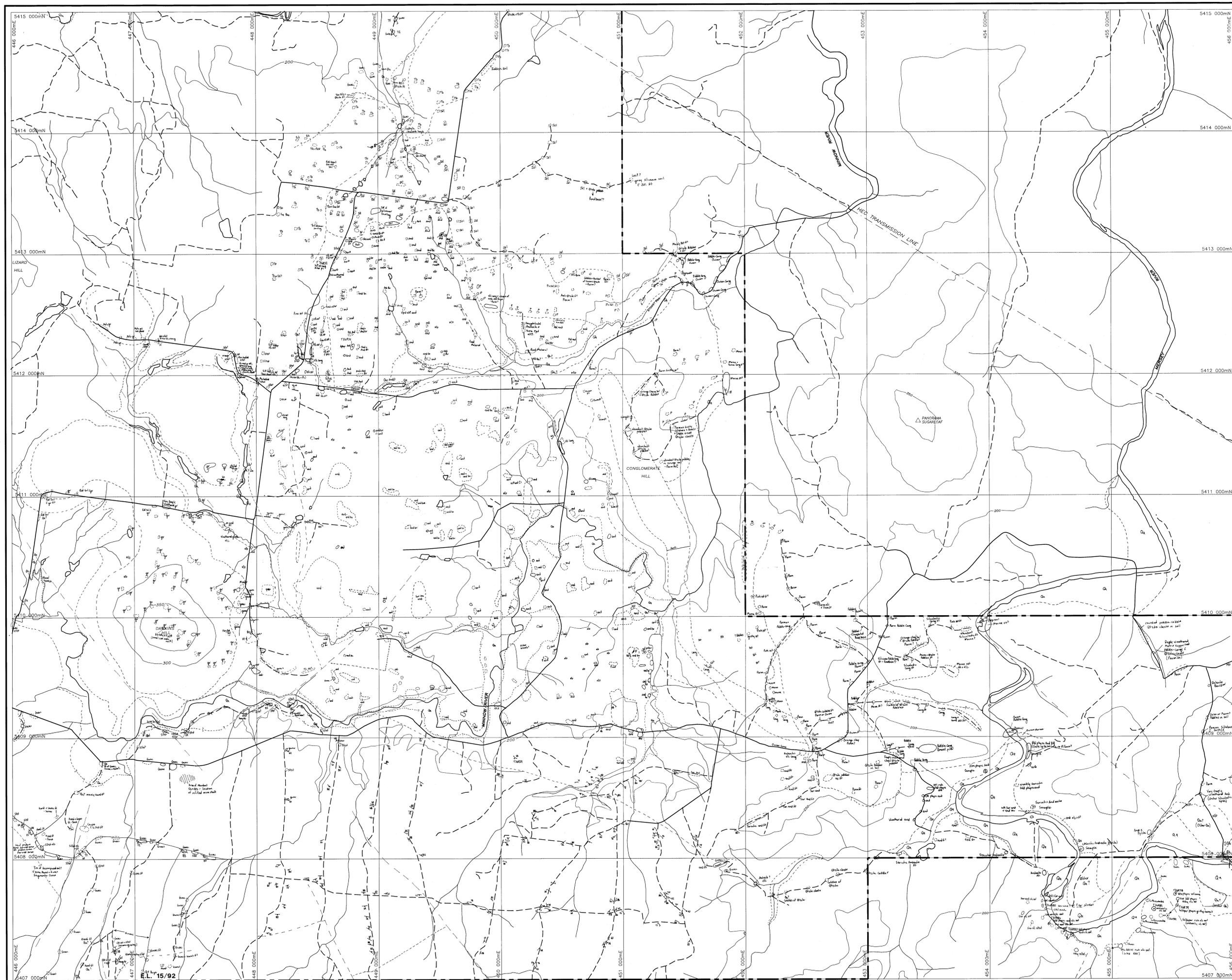
**94-3588**

RGC EXPLORATION PTY LIMITED

Beulah Prospect Tasmania  
Contours of  
TOTAL MAGNETIC INTENSITY  
Located Ground Magnetic Data  
Contour Interval : 20 nT

Compiled by:	Date: 12 Jul 1994
Drawn by: S.R.	Drawing No.: PLAN 3





**RGC EXPLORATION PTY. LTD**

COMPILED		BEULAH AREA E.L. 15/92
DRAWN	M. WALTER	
DATE	2/93	
CHECKED		
SCALE 1:10,000	UPDATED BY	W. NEWMAN 3/26/1992
		DRAWING ID: 5534/004
		FILENAME: BEULAH10

5534-004