RGC EXPLORATION PTY. LIMITED
(on behalf of Renison Ltd)

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EXPLORATION LICENCE NO. 15/92

("Beulah")

ANNUAL REPORT
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Volume 1 of 1

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SUMMARY

E.L. 15/92-Beulah situated south of Sheffield in northern Tasmania was acquired for its potential to contain volcanic-hosted massive sulphide mineralisation within intermediate Cambrian volcanic rocks. Previous exploration which concentrated on a barite occurrence within altered andesitic lavas and volcaniclastics, showed that mineralisation is related to a Cambrian volcanogenic hydrothermal system.

Work completed by RGCE in the first year of tenure involved 1:5,000 mapping and rock chip sampling the poorly exposed Beulah Formation and surrounding rocks in the Beulah - Lower Beulah areas. A detailed literature survey and study of previous drilling at the Barite Prospect was undertaken to gain a better understanding of the alteration and mineralisation which could be applied to the entire Beulah Formation. In February, a bedrock air core drilling programme was undertaken to investigate a broad 2x1km Zn anomaly defined (and untested) by Aberfoyle Resources. The results showed the drilling verified and enhanced the magnitude of the base metals anomaly.

In the following year a soil survey is planned to cover the remaining untested Beulah Formation. Deep drilling will be undertaken if targets are generated.

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 113 sq km.

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 Mt Read Volcanics and in particular shows similarities to the Que-Hellyer Volcanics package 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 and CRAE 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 1km Zn anomaly was defined on the western margin of the Beulah Formation. A subsequent UTEM survey failed to return any responses attributable to massive sulphide mineralisation and the ground was relinquished.

The exploration approach applied at Beulah by RGCE involves detailed mapping of available outcrop in an attempt to identify altered or mineralised zones. Bedrock drilling, soil and rock chip multi-element geochemistry is then used to aid interpretation in poorly exposed areas. Significant alteration zones will be tested by deep drilling and down-hole geophysics.

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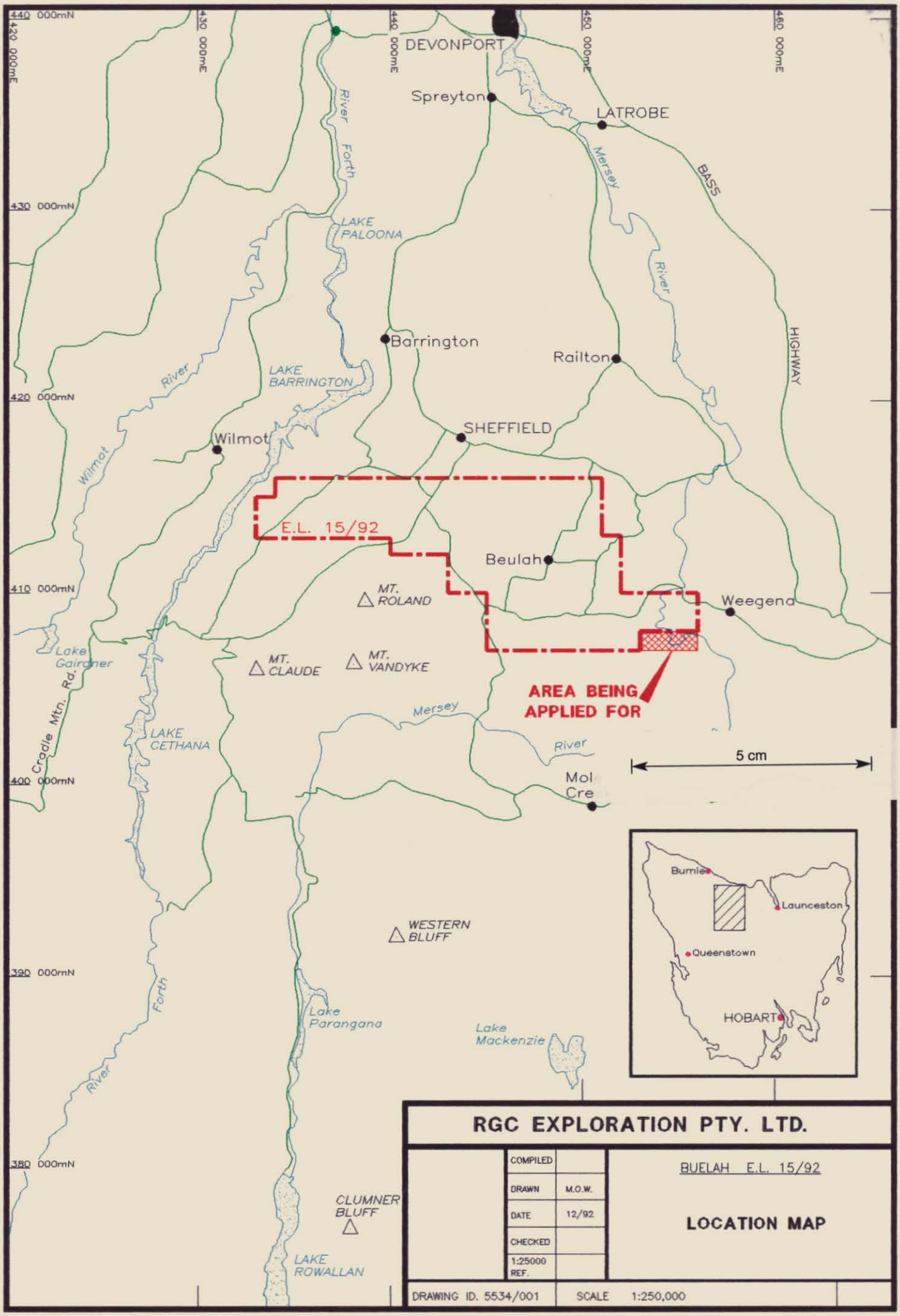

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BUELAH E.L. 15/92

LOCATION MAP

DRAWING ID. 5534/001 SCALE 1:250,000

This report details the work done by RGCE during its first year of tenure between August 1992 and July 1993. The prospective Beulah Formation andesites and surrounding rocks have been mapped and rock chip sampled. A programme of bedrock air core drilling was completed in February 1993.

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 kms) and a subsequent application for a further 55 sq km to make a single coherent block of land. The tenement excluded a 0.2 sq km Crown Reserve and a 2 ha mining lease.

Further to this, in May 1992, after the initial application was lodged, RGCE 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 (see Figure 1).

An additional 3 sq km directly south of the E.L. is currently being applied for. If the application is successful this will also be incorporated into E.L. 15/92.

3. PREVIOUS EXPLORATION

3.1 BHP 1965-1967 - E.L. 15/65

Early exploration in the Beulah area was by BHP who conducted a regional aeromagnetic survey over E.L. 15/65 in 1966.

Following reinterpretation of data from Ameg Pty Ltd (Chestnut,1967) seven magnetic anomalies and one distinct linear trend were recognised within the Beulah E.L. Minimal ground follow-up showed that most of the anomalies are due to either Tertiary Basalt, magnetic intermediate-granitoids and magnetic Beulah Formation andesites, although interpretations are generally ambiguous. No further exploration was performed within the Beulah E.L. by BHP.

3.2 McClarm Prospecting Syndicate 1970-1973, E.L. 11/70, Scamander Mining Co 1970-1975, E.L. 14/70

E.L. 11/70 encompassed the Barite Prospect area. There is no reported exploration by the McClarm Prospecting Syndicate within the E.L.

Scamander Mining Corporation N.L. held E.L. 14/70, which encompassed the Lower Beulah-Sheffield area. E.L. 11/70 was wholly enclosed within E.L. 14/70. Only minimal exploration, consisting of assessment of Ameg's Geophysical data and minor geochemical stream sediment sampling was performed by Scamander Mining. 32 stream sediment samples were collected and analysed for Cu, Pb, Zn, Fe, Cd, Sn, Bi, Ag, Au and Ba. Maximum values of up to 130ppm Cu, 110ppm Pb and 680ppm Zn were reported. Sampling was concentrated within the Barite Prospect area, with additional sampling in the Minnow River - Star of the West area (Wood 1970).

In 1973 CRA Exploration were invited by the McClarm Syndicate to examine the Barite Prospect. This produced the first detailed study of the prospect, and 1:1,000 mapping, drainage sampling and soil sampling on four grid lines was performed. The Barite Prospect was described as occurring within a shear-banded wedge of interbedded sheared andesites, ferruginous schists, muscovite schists and minor sediments separating unaltered Beulah Formation andesites and interbedded shales and feldspathic sandstones of the Gog Range Greywacke. Mineralisation was confined to 1cm-1.3m wide sulphide bearing barite veins trending parallel to schistosity. Minor galena, sphalerite, chalcopyrite and tetrahedrite was reported. The veins closest to the southern most, or Sweetwater Creek shear, carried the most sulphide (Porter, 1973).

A gravity survey was conducted by the Department of Mines, Tasmania (Leaman, 1975) over the Barite Prospect in 1973. Although the survey was limited, a maximum ore mass of 37,000 tonnes was determined.

3.3 CRA/Asarco - 1973-1987, E.L. 7/73

E.L. 7/73 was granted to Asarco Pty Ltd on March 15, 1973. It originally had an area of 743sq km and was reduced to 429 sq km in March 1974. An additional 275 sq km to the east of the E.L. was then granted but subsequently dropped.

Initial work by Asarco Pty Ltd consisted of a regional stream sediment survey, with Cu, Pb, Zn, Ag and Mo being analysed. This survey encompassed the entire Beulah E.L. and extended as far west as the Winterbrook Area. Several anomalous zones were recognised within E.L. 7/73 although none were located within the Beulah E.L. Three anomalies, the Mt Roland, the Gog Range and East Gog Range are located just to the south of the southern lease boundary (Barker, 1975).

In July 1976 CRA Exploration entered a joint venture with Asarco and in 1977 the title was transferred to CRAE. In 1979 the licence was reduced to 199 sq km with only the south-eastern portion and 25 sq km in the Promised Land area remaining in E.L. 7/73. In June 1980 Asarco transferred its interest in the joint venture to Carpentaria Exploration.

No further work was completed within the Beulah Lease until January 1981 when CRAE conducted regional Dighem II airborne electromagnetic/ resistivity and magnetic survey (Drovak and Vergos 1982). A large number of anomalies were detected by the survey but subsequent ground follow-up (Clementson and Flis, 1983) showed few to be significant. The more encouraging anomalies were followed up by VLF-EM and ground magnetic surveys, soil geochemistry and geological mapping.

3.3.1 Promised Land Prospect

This occurs at the far northeast corner of the Beulah E.L. It was defined by two geophysical anomalies (EM anomaly 47xA and Aeromagnetic Anomaly 47-176G7) and was of immediate interest due to close proximity to the Lake Barrington Cu Prospect. Ground follow-up consisted of gridding, soil sampling (Zn up to 390ppm, Cu up to 69ppm and Pb up to 166ppm recorded) and a ground VLF-EM

survey. Although minor barite float was located during geological mapping, the prospect was downgraded on the basis of soil geochemistry and geophysics.

3.3.2 Garden of Eden Prospect

Two Dighem anomalies (143xA, 146xB) existed along strike to the east of the Barite Prospect. A ground EM survey confirmed these anomalies and they were subsequently gridded and additional VLF-EM and ground magnetic and soil geochemical surveys performed. Soil analyses indicated up to 230ppm Cu, 360ppm Pb and 290ppm Zn. Percussion drilling was recommended.

3.3.3 Star of the West Gold Prospect

Limited reconnaissance was made in the vicinity of the Star of the West prospect which was worked for gold in the late 1800's. Exploration consisted of one line soil samples and rock chip sampling. Soils generally contained between 15-56ppb gold while rock samples collected over the same grid line contained 16-80ppb. A shale sample from one of the adits had 380ppb gold. No further work was programmed.

3.3.4 Beulah Barite Prospect

Following four lines of ground magnetic survey (presumably) over the 1973 grid at the prospect in 1979, an additional two lines, together with a soil geochemistry survey, were surveyed in 1982. This survey confirmed the high Pb and slightly high Zn contents near the prospect. The ground magnetic survey recognised a distinct 130°N magnetic trend which was considered to relate to shearing along the Beulah Formation/Gog Range Greywacke boundary. A VLF-EM survey recognised two major conductive zones.

Additional geological work throughout E.L. 7/73 in 1982 was the production of 1:25,000 geological maps of the area. This significantly increased the known extent of the Beulah Formation in the Promised Land-

downgraded after ground follow-up. The remainder were untested.

E.L. 49/82 was relinquished in 1985.

3.5 Aberfoyle Resources Ltd 1985-1991, E.L. 43/85

E.L. 43/85 was granted on May 29, 1986 to Aberfoyle Resources Ltd. It essentially covers much the same area as RGC's E.L. 15/92 and includes the Beulah-Promised Land area.

Aberfoyle took up E.L. 43/85 after a literature search and regional geological interpretation revealed a similarity in the stratigraphy between the Beulah and Que-Hellyer area ie. correlation between the Beulah Formation and the Que-Hellyer Volcanics. The occurrence of barite with minor base metal sulphides was also an encouraging indicator.

Initial exploration was largely of a reconnaissance nature. 18 samples were collected for geochemical analysis and petrology from the Anomaly 1 area. Maximum values of 80ppm Cu, 725ppm Pb and 280ppm Zn were obtained which were considerably less than those reported by Amax. Additional rock chip samples were collected for a geochemical and Pb isotopic signature study (Sise, 1987).

Follow-up in the Anomaly 1 area continued in 1988 (Jack, 1988) with an unsuccessful UTEM survey. Petrological descriptions of Beulah Formation andesites by Mr T Crawford and Mr D Cowan revealed many similarities to the Que-Hellyer volcanics and a calc-alkaline Mount Read Volcanic signature was evident from rock geochemistry. Unpublished data from Doug Jack showed that the Beulah Formation andesites plot within a field for the Que-Hellyer footwall andesites and hanging wall andesites-basalts. The isotope study confirmed a Cambrian massive sulphide signature.

In 1988 Aberfoyle was granted E.L. 11/88 Gowrie Park, which included the Beulah Barite Prospect. This enabled simultaneous exploration in two adjacent E.L.'s. Work done in E.L. 11/88 is discussed elsewhere in section 3.6.

Claude Road area. The geological interpretation varies considerably from that of Jennings (1979).

From 1983 exploration by CRAE within the Beulah E.L. centred in the Barite Prospect area. A UTEM survey was performed in 1983 and a number of weak anomalies detected (Flis, 1983). The most promising UTEM anomaly (Anomaly A) was subsequently drilled (DD83 BB1). A sequence of unmineralised dark grey quartzites and argillites (part of the Gog Range Greywacke) was intersected. Chemical analysis of the core revealed only low base metal values (up to 70ppm Cu, 20ppm Pb and 120ppm Zn) (Webster, 1984).

In 1984 re-evaluation of 1983 UTEM survey led to the recognition of two new drill targets, one of which was confirmed by a gravity survey. Four drill holes were undertaken with DD84 BB2 and BB3 testing geophysical anomalies, and DD84 BB4 and BB5 to test combined UTEM, geochemical and gravity targets. Holes BB2 and BB3 were assayed, with no anomalous results and downhole geophysics detected no conductors. Additional geological mapping near BB2 and BB3 reported that as the geological sequence dips steeply to the south both drillholes may have missed their targets. Holes BB4 and BB5 intersected a fining upwards sequence of coarse volcaniclastic breccias overlain by interbedded sandy and vitric tuff and minor shales grading up to a dominantly sandstone-siltstone sequence at top. Carbonate-pyrite and galena veins were reported in BB5 (Temby, 1985).

Four grids were established by CRA in the Lower Beulah area by February 1986 (Beulah, Beulah Extended, Simonds and Garden of Eden). Work reported by von Strokirch (1986) consisted of a soil survey, and a UTEM and ground magnetic survey over the grids. Two anomalous zones were recognised by the soil survey with values up to 300ppm Cu, 780ppm Pb and 410ppm Zn reported. Maximum Pb values were from the Garden of Eden grid. The UTEM survey resulted in the detection of a significant anomaly on Simonds grid which was confirmed with a GENIE survey and was located 100m from a major soil anomaly. A regional drainage survey aimed at detecting fine gold as an indicator for base metal mineralisation was also conducted in 1986. A number of anomalies were detected throughout E.L. 7/73.

The Simonds grid and the Garden of Eden grid anomalies were tested by diamond drilling in 1987 (Caithness and von Strokirch, 1987). At the Simonds grid, two holes DD86SM1 and DD86SM2 were drilled and weakly pyritic interbedded black shales and greywackes were intersected. Core assays and downhole Sirotem showed little encouragement.

One diamond drill hole (DD86GE1) was drilled to test the UTEM anomaly on the Garden of Eden grid. A sequence of hematite altered andesites, intermediate tuffs, acid ignimbrites and agglomerates was indicated. Only low order base metal values reported, and no further work was recommended. No further work at the Barite Prospect was performed by CRAE after February 1987 and the E.L. was later relinquished.

3.4 Amax (later Austamax) 1982-1985, E.L. 49/82

E.L. 49/82 (243 sq km) was granted to Amax (later Austamax Operations Pty Ltd) on August 29, 1983. The E.L. covered most of RGC's E.L. 15/92 and was bounded to the south by CRA's E.L. 7/73.

Exploration from 30/8/83 to 29/8/84 consisted of reinterpretation of Asarco's regional stream sediment data and seven anomalies that warranted further followup were recognised. Of these, only Anomaly 1 (GR495115) and Anomaly 5 (GR497106) are within E.L. 15/92. Anomaly 4 may also be in E.L. 15/92 although the grid reference (540130) seems erroneous (Vivian 1984), it is most likely located ½km west of Lizard Hill at GR454130.

Anomaly 1 is located approximately 500m north of Sharmans Road and was defined by a 1st order Zn, Pb anomaly. It occurs in a structurally controlled drainage on unaltered cleaved augite phyric andesites with minor base metal bearing veins. Anomaly 5 occurs just to the west of the main Beulah Granite body. Follow-up geochemical sampling was unencouraging.

In January 1984 a Dighem Survey of 360 line km's was flown over the SE part of the E.L. 82 EM anomalies were recognised, fifty of which were

Work done with E.L. 43/85 in 1988/89 consisted predominantly of gridding, soil surveying, rock chip sampling and 1:2,500 mapping in the Lower Beulah area, with minor mapping in the northern part of the Stonebridge Grid. The soil geochemistry in the Beulah area recognised several anomalous zones, the most significant being a strong base metal anomaly recognised to the west of the Anomaly 1 area. Maximum values of 165ppm Cu, 1050ppm Pb and 920ppm Zn were reported (Rand, 1989).

A ground magnetic and UTEM survey was performed during 1989/90, although no anomalies attributable to massive sulphide mineralisation were detected the magnetic results suggested good correlation with geological mapping and a number of fault and lithological contacts could be inferred (Rand 1990a).

In May 1991 E.L. 43/85 underwent a 50% reduction and only minor exploration was performed in 1990/91 (Wallace, 1991). This consisted of followup stream sediment sample over the C-horizon Pb anomalies to the west of anomaly 1. The stream sediment sampling did not reproduce the anomalies. A brief reconnaissance mapping visit was made to the Promised Land Prospect (Temby 1985). E.L. 43/85 was relinquished in November 1991.

3.6 Aberfoyle Resources Ltd 1988-1991, E.L. 11/88

Aberfoyle Resources acquired E.L. 11/88, which included the Barite Prospect area, in 1987 upon relinquishment of E.L. 7/73 by CRA. This enabled concurrent exploration in two adjacent E.L.'s (43/85 and 11/88). All exploration by Aberfoyle in E.L. 11/88 centred at the Barite Prospect.

Initial exploration by Aberfoyle involved reassessment of CRA's previous work and subsequent detailed exploration was based only in the most prospective areas. Only limited regional exploration was undertaken. Exploration at the Barite Prospect included soil geochemistry, rock chip sampling, 1:2,500 geological mapping and ground magnetic surveys over a newly established grid, which extended into adjacent E.L. 43/85 further north. Reinterpretation of CRA drill hole data led to recognition of a

calcite-fuchsite alteration zone, similar to Hangwall style alteration at Hellyer Mine. Soil geochemistry recognised several anomalous zones over the Barite Prospect with maximum values of up to 980ppm Pb and 535ppm Zn. A diamond drill hole (BB6) was drilled to test a UTEM anomaly following re-evaluation of CRA's UTEM data. The hole failed to intersect the target but intersected a sequence of strongly altered, interbedded andesitic and basaltic lavas/breccias and polymictic volcaniclastics. Minor barite-pyrite veining and disseminated pyrite was observed (Rand and Noonan, 1989).

Detailed work continued at the Barite Prospect in 1989/90. This included 1:1,000 mapping of the prospect area, mapping and channel sampling of an old adit and geochemical sampling and a DHEM survey of drill hole BB6. Geochemical assays of the drill hole were unencouraging, however, a rock chip sample from the adit reported 1.07% Pb, 6.16% Zn and 26ppm Ag. The downhole EM survey failed to locate any conductor to warrant further work (Rand, 1990b).

A further Pb isotope study (Carr, in Rand, 1990b) revealed Pb isotopic differences between barite samples and host Beulah Formation andesites and suggested that it is unlikely that the two formed in the same Cambrian metallogenic event. This was considered to significantly downgrande the prospectivity in terms of VHMS deposits at the Barite Prospect.

Only minimal work was undertaken at the Barite Prospect in 1990/91 (Hicks and Richardson, 1991) before the area was subsequently relinquished.

4. WORK COMPLETED

4.1 Landowner Notification

Most of the land covered by E.L. 15/92 is privately owned agricultural land. After the licence was granted all landowners/occupiers were notified of RGC's tenure and intention to explore. Most landowners are agreeable to the current exploration activities.

4.2 Mapping

During the 1992/93 field season a 1:5,000 scale sheet centred over the majority of the Beulah Formation was mapped using blown-up black and white aerial photographs as a base (Plan 1). For areas outside this sheet, 1:10,000 mapping was undertaken to help define the extent of the exposed Beulah Formation to the north and east (Plan 2).

4.3 Rock Chip Geochemistry

Fifty nine (59) rock chip samples were collected during the mapping programme and analysed for a broad range of elements by AAS and neutron activation. An evaluation of the geochemical results was made using RGC's Geochemical Analysis System (GAS) software.

4.4 Drilling

A short bedrock drilling programme was completed in February 1993. A track-mounted air core rig owned and operated by Wallis Drilling Pty Ltd was used to drill to fresh, or at least identifiable, bedrock. A total of 148 holes were drilled for 1908m, with the average hole depth less than 13m. Two samples were taken from the bottom of each hole, one for geochemical analysis, the other, usually pieces of core, kept for reference. All except 11 holes (no.'s 112-122) were drilled on private land. Owners were contacted prior to drilling and all allowed access.

Drilling focussed on the base metal anomalous zone detected by Aberfoyle Resources with a C-horizon soil survey. The aim was to confirm the anomaly and possibly aid focussing exploration on a particular area.

4.5 Geological Interpretation

A geological interpretation of the areas studied so far was compiled from surface geology, bedrock drilling geology and the lithogeochemical maps generated from the GAS program (Plan 3).

5. RESULTS AND DISCUSSION

The Geochemical Analysis System (GAS) is a PC operated program for analysing and evaluating multielement geochemistry. The programme uses statistical methods, particularly principle component analysis and discriminant analysis to recognise domains or chemically similar populations within a geochemical dataset. Once a particular group has been identified it can be colour coded to distinguish it from the other chemical groups. In this way, litho-geochemical maps can be built up from a multi-element database. GAS has a range of other options, for example, each sample can be represented on a map as a symbol of the determined colour code, with the symbol size proportional to the assay value for a particular metal. In this way, for example, a map of the distribution of lead could be produced with colours representing litho-geochemical units.

The following suite of elements were measured for both the rock chip and bedrock samples from Beulah.

LAB	METHOD	ELEMENTS
ANALABS	AAS	Cu, Pb, Zn, Ag
BECQUEREL	NAA	Sb, As, Ba, Br, Ce, Cs, Cr, Co, Eu, Au, Hf, Ir, Fe, La, Lu, Mo, K, Rb, Sm, Sc, Se, Ag, Na, Ta, Th, Sn, W, U, Yb, Zn

5.1 Rock Chip and Bedrock Geochemistry

For discussion purposes rock chip samples and bedrock drilling samples will be considered together. Samples were split into 4 litho-geochemical groups. One group correlates with the Gog Range Greywacke, with the other three lying within the bounds of the Beulah Formation. Some of the element associations that define these groupings and a colour-coded litho-geochemical map are shown in plans 4, 7 and 8.

Distributions of Zn, Pb, Cu, Ba, As and Sb relative to colour groupings are shown in plans 5 and 6. There is a broad zone of zinc anomalism on the western half of the Beulah Formation covered to date. Anomalous rock chip and drill samples generally assayed between 400 and 2100ppm Zn. Pb levels are also highly anomalous in places although the overall zone is

not as broad as the Zn anomaly. Except for the eastern edge of the Beulah Formation, Cu values are generally lower than the Gog Range Greywacke.

Two distinct alteration zones are apparent in plan 9 where K vs Na is plotted for each sample on a locality map. Altered samples are relatively high in K and low in Na compared to unaltered rocks. Plan 9 shows a strong alteration zone around the Barite Prospect and another about 2km northwest of the renamed the Jedyn zone.

5.2 Soil Geochemistry

As discussed earlier, previous explorer, Aberfoyle, conducted a grid based C-horizon soil geochemical survey over much of the Beulah Formation. Samples were taken at 25m intervals on 200m-spaced, N-S lines. The most interesting result of the survey was a 2 x 1 km broad zinc anomaly on the western side of the Beulah Formation andesites. Zn assays of 500-600ppm were common.

RGCE's air core drilling programme was aimed at investigating that base metals anomalous zones. Although sample density was much lower, the drilling not only verified the soil anomaly but also increased the magnitude. This effectively concludes that soil sampling is a useful, valid and cheap exploration tool when exploring the poorly exposed Beulah Formation.

5.3 Geology

The regional geology of the Beulah-Roland areas has been previously described by Jennings et al., (1959) and Jennings (1979). The oldest rocks within E.L. 15/92 are Cambrian volcanics and sediments which have been assigned to three mappable formations. They are

(1) the Gog Range Greywacke

(2) the Beulah Formation (andesitic lavas); and

(3) the Minnow Keratophyre (interbedded felsic lavas and sediments).

Although Jennings and co-workers considered that the Beulah Formation underlies the Gog Range Greywacke which, in turn is overlain by the

Minnow Keratophyre the stratigraphic relationships between the three Cambrian Formations are poorly known and highly debatable.

Mafic Granitoids of Cambrian age intrude both the Gog Range Greywacke and the Minnow Keratophyre. There has been no reported granitoid bodies intruding the Beulah Formation. Ordovician siliciclastic sediments unconformably overlie the Cambrian sequences in the Lower Beulah area. Younger cover includes Permian Tillites, Jurassic dolerite, Tertiary basalt and sediments and Quaternary alluvials.

5.3.1 Beulah Formation

Andesitic lavas, lava breccias and associated volcaniclastic sediments which comprise the Beulah Formation crop out poorly in the Lower Beulah-Beulah area. The andesites are commonly massive to vesicular feldspar ± ferromagnesium pseudomorph-rich lavas and display many textural and mineralogical varieties. Despite these variations, mapping of internal units with in the Formation is extremely difficult due to lack of outcrop on the heavily farmed land. Often float occurrences can be unrepresentative of the bedrock geology. Lava breccias consist of locally derived andesite lava clasts (commonly pebble grade) and vary from monolithic breccias (possibly hyaloclastites), to polymictic breccias with a wide range in textural and mineralogically distinct andesite lava types. The origin of these breccias is uncertain but some epiclastic reworking is likely. Both breccia types are common throughout the andesite sequence.

In the vicinity of the Barite Prospect the Beulah Formation consists of interbedded andesite lavas and breccias and andesitic to felsic derived volcaniclastic sediments. This sequence is dissimilar, and more altered, to those away from the prospect, and may tentatively correlate with a thin meridonally trending epiclastic horizon that occurs at the contact between the greywacke and andesites north of the Minnow River. Alteration at the Barite Prospect is quite intense and sericite-carbonate-limonite-quartz assemblages have been observed. Barite veins

carrying minor sulphide are common and are generally parallel to dominant schistosity.

5.3.2 Gog Range Greywacke

The Gog Range Greywacke consists of interbedded micaceous siltstones and minor micaceous sandstones and granule-pebble conglomerate. Its stratigraphic relationship to the Beulah Formation is problematical and was considered by Jennings (1979) to overlie the Beulah Formation. Other workers, eg. Aberfoyle, suggested it may correlate with the Animal Creek Greywacke and thus underlie the Beulah Formation which correlates with the Que-Hellyer Volcanics.

Mapping performed during this study to the north of the Minnow River has shown that a thin quartz bearing volcaniclastic sandstone and conglomerate unit separates the greywacke sequence from the andesite sequence. Structural measurements from the greywacke near this epiclastic horizon show that the contacts between the two are conformable and generally steeply bedded. In the absence of good facing evidence the variable dip direction in the greywacke is uninformative with regard to stratigraphic relationship.

South of the Minnow River in the Barite Prospect area the greywacke sequence is consistently facing to the south. Although a fault has been inferred at the contact between the greywacke and andesite, the andesite sequence contains interbedded volcaniclastic sandstones which may tentatively correlate with the felsic epiclastic recognised to the north of the Minnow River.

In the extreme south of E.L. 15/92 the Gog Range Greywacke underlies the Minnow Keratophyre.

5.3.3 Minnow Keratophyre

The Minnow Keratophyre crops out along the southern edge of the E.L. where it overlies the Gog Range Greywacke. The formation consists of interbedded quartz-feldspar phyric lavas and volcaniclastic sandstones and ashy siltstones. The nature of the contact with the Gog Range Greywacke is unclear but in places is most likely conformable and locally interbedded.

5.3.4 Cambrian Granites

Medium grained quartz poor granitoids have been mapped to intrude the Gog Range Greywacke although they are known regionally to intrude the Minnow Keratophyre. In handspecimen they consist of an interlocking aggregate of white to pink feldspar and ferromagnesium minerals. Quartz rarely exceeds 5-10% modally and suggests that they are likely to be granodioritic to dioritic in composition.

5.3.5 Late Cambrian-Early Ordovician Denison Group Correlates

Denison Group correlates crop out as a SE trending ridge from Conglomerate Hill to a gravel pit at DQ521092. Reconnaissance mapping has indicated a two-fold stratigraphy with a basal pebble-cobble conglomerate overlain by a white-pink fine to medium grained quartz sandstone (a possible correlate of the Moina Sandstone).

The Denison Group is unconformable on andesites of the Beulah Formation and the contact is well exposed in a gravel pit at DQ521092. At this location a 5-10m thick pebble-boulder conglomerate of mixed Precambrian-Cambrian (dominantly quartz phyric lava, andesite, siltstone greywacke and maybe granite) provenance occurs at the base and grades up into dominantly Precambrian derived siliciclastic conglomerate.

5.3.6 Permian

Permian pebble-boulder conglomerate (tillite?) crops out in the Harts Hill - Beulah Plantation area. It is very poorly exposed with outcrop confined to a few roadside ditches. The conglomerate consists of abundant, well-rounded Precambrian quartzite, Ordovician sandstones and conglomerate, Cambrian andesite, shales and quartz phyric rhyolite clasts set in a fine grained, orange weathering, silty matrix. These clasts generally form a lag deposit which can be used to map out the boundaries of this unit, and as a result boundaries with other units are only approximate. Marine fossils, mainly fenestella sp, were observed in a few locations.

Jennings (1979) correlated these rocks with the Basal Beds of the Permian Sequence.

5.3.7 Jurassic Dolerite

Medium to coarse grained Jurassic dolerite was mapped in the Beulah Heights area (DQ495134) where it occurs as a sill-like body intruding Permian and Cambrian (Beulah Formation) rocks. Outcrop is very variable and generally better in areas cleared for farming. Columnar jointing was observed at one location.

Recent mapping has modified the previous interpretation of Jennings et al. (1959) who mapped two discrete bodies of Jurassic dolerite separated by a belt of andesite. The interpretation presented here shows that there is only one dolerite body and that it has a greater distribution that previously thought.

5.3.8 Tertiary

Three areas of Tertiary Basalt were mapped in the Golden Gate Road - Beulah Road area in the north of the E.L. In general, they occur as sub-horizontal to horizontal capping on low, flat-topped hills. Mapping has shown that they may be underlain by an unconsolidated(?)/poorly consolidated scree of siliciclastic

derived material and minor silcrete (silicified conglomerate). Such deposits have been interpreted as Tertiary Sediments rather than Qt as shown on the Sheffield map.

5.3.9 Quaternary

Extensive alluvial deposits were mapped along the Minnow and Mersey Rivers and their tributaries.

In the Lower Beulah area a possible older-higher level alluvial deposit was mapped. The alluvial deposits along the Minnow River have been worked for gold (Thureau 1881).

5.4 Discussion

Early geological mapping in the Beulah-Sheffield area (Jennings et al., 1959) recognised three Cambrian sequences, the Beulah Formation, the Gog Range Greywacke and the Minnow Keratophyre. Subsequent mineral exploration at Beulah by CRA and Aberfoyle has characterised these rock types as correlates of the highly prospective Mount Read Volcanics and the Beulah Formation, a pile of andesitic lavas and associated volcaniclastics has been shown to be chemically equivalent to the Que-Hellyer Volcanics, host to massive deposits at Hellyer and Que River.

As mentioned in a previous section, the Cambrian stratigraphy in the Beulah-Sheffied area is poorly known. Jennings (1979) considers that the Beulah Formation underlies the Gog Range Greywacke despite contradictory structural evidence suggesting a reverse relationship being presented on the Sheffield map. He correlated the Beulah Formation with the Motton Spillite which overlies the Barrington Chert in the Preston area. Chemical data presented in Burrett and Martin (1989) (see pages 53 and 157) has established a tholeiitic character for the Motton Spillite whereas a calc-alkaline signature for the Beulah Formation was reported by Aberfoyle workers. A regional correlation on this basis is unlikely and based on limited structural data (eg. Jennings et al., (1959), Clementson and Flis (1983) and this study) it is more likely that the Beulah Formation is underlain by the Gog Range Greywacke.

Jennings (1979) also proposed an alternate possibility that the Beulah Formation is coeval with the basal units of the Gog Range Greywacke in certain areas. In the absence of older Cambrian or Precambrian rocks in the Beulah area this proposal is hard to test but correlation of the Beulah Formation with some parts of the Gog Range Greywacke may be likely.

Mapping by CRA (Clementson and Flis, 1983) in the Roland area developed the following stratigraphy:-

1. Nietta Group (youngest) - acid volcanics and sediments
2. Beulah Formation
3. Cateena Group (oldest) - interbedded siltstone, sandstones and tuffs.

The three-fold subdivision can be broadly correlated with the regional stratigraphy with the Cateena Group equivalent to the Gog Range Greywacke and the Nietta Group, the Minnow Keratophyre. Their mapping indicates that the Beulah Formation is overlain by a range of lithologies from the Nietta Group, whether this is due to an inherent complex internal stratigraphy within the group, or a possible unconformity between the two sequences is not clear.

A possible interpretation that explains many of the facies and stratigraphic relationships in the Roland - Beulah area is given in figure 2. It should be noted that the andesites at Roland may not be stratigraphic equivalents of the Beulah andesites as each area may relate to a separate depocentre, possibly in a graben or half graben structure. As discussed in the geochemical section an area of more felsic rocks was detected to the west of Conglomerate Hill. These rocks could represent a previously unrecognised dacitic-rhyolitic part of the Beulah Formation or part of the Minnow Keratophyre.

Crawford (in Rand, 1990a) suggests that the mafic granites or diorites may be feeders for the Beulah andesites and that they may be equivalent to the Crown Hill andesites. Their position on the diagram is only speculative. Jennings et al., (1959) reports granitic intrusives within the Minnow Keratophyre. It is unclear how these bodies relate to the granites described by Crawford which only intrude the Gog Range Greywacke. If all the granite bodies are from the one magmatic event

then the favoured stratigraphic sequence may be in error. Another explanation is that all the Cambrian formations are diachronous in nature and that intrusive relationships may not necessarily be of stratigraphic importance.

The presence of acid volcanic detritus within the Gog Range Greywacke has been recognised by previous workers (Burns, 1957 and Rand, 1990a,b). This may indicate a phase of acid volcanism prior to the deposition of Minnow Keratophyre or that the Greywacke and Keratophyre may be contemporaneous.

The stratigraphic position of the Beulah Barite andesite-volcaniclastic sequence is speculative. Rand (1990a,b) describes in detail the geology exposed in the western-most adit of the Barite Prospect where the Beulah Formation (consisting of interbedded andesitic lavas and dacitic-rhyolitic volcaniclastics) is in contact with the Gog Range Greywacke. Minor andesitic intrusive bodies occur within the greywacke sequence close to the andesite contact. The contact was interpreted to be deconformable and spite of structural evidence (ie. everything dips to the south), the Beulah Formation was considered to overlie the greywacke.

Contrasting deformation and alteration styles recognised across the Beulah Formation - Gog Range Greywacke contact has been interpreted as a fault zone by many workers (Jennings et al. (1959), Porter (1973) and this study). To the north of the inferred fault the Beulah Formation has intense sericite-quartz alteration which grades in intensity to the south where the rocks have a pronounced "phyllitic" sheen and minor quartz-sericite schists occur. South of the fault (called the Clearwater fault by some workers), the greywacke is only weakly altered and minor small scale tight folding is observed near the contact. Despite this, the existence of a major structure separating the two Formations is conjecturable as examination of CRA drillhole DD84BB4 drilled through the contact failed to reveal any major structural break. The presence of andesitic dykes in the greywacke sequence close to the inferred fault position may suggest that if the structure does exist the amount of vertical movement may not be great.

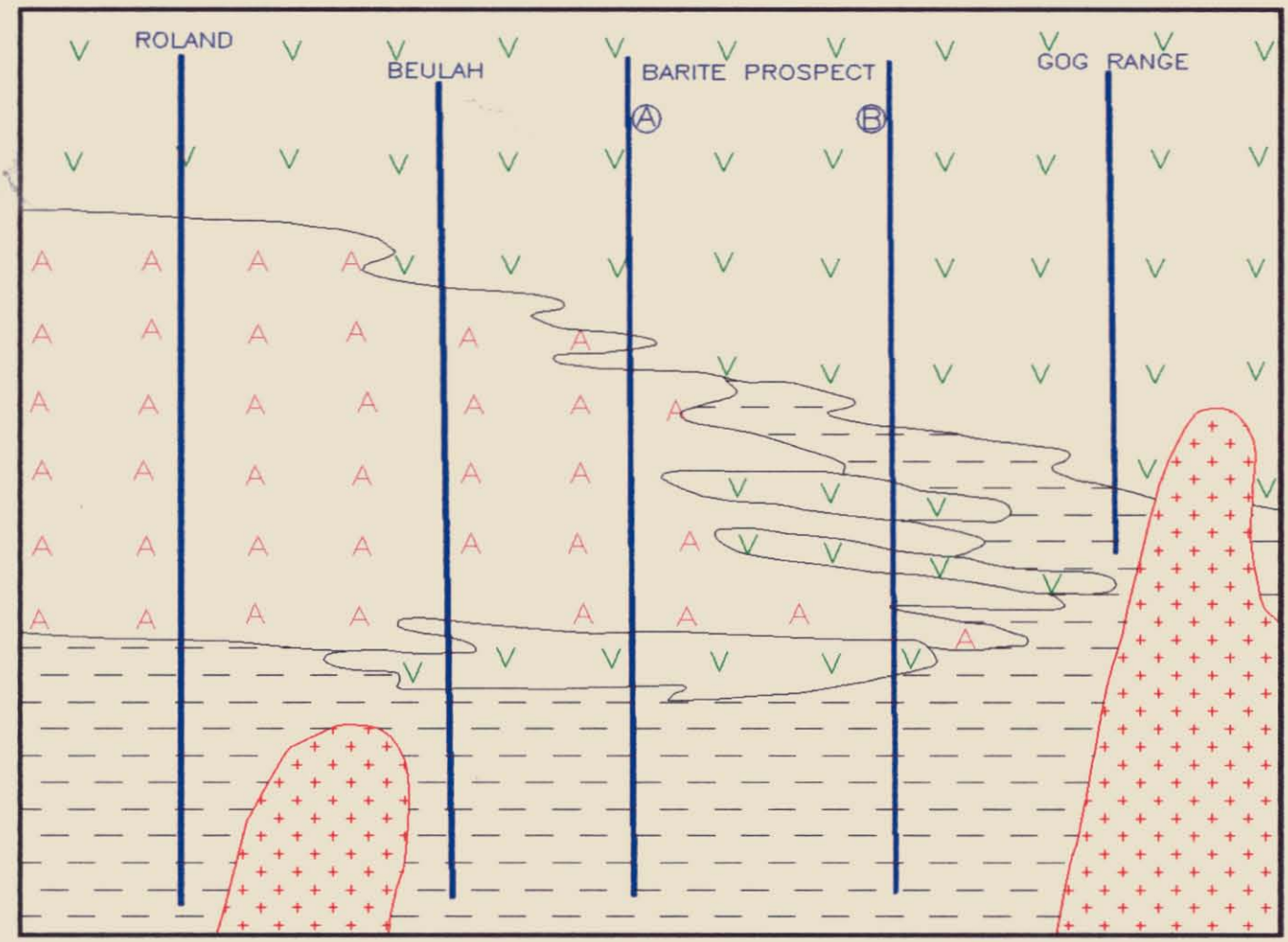
Two possible interpretations for the stratigraphy at the Barite Prospect are presented in figure 2. Interpretation A is that the interbedded andesitic lavas and rhyolitic-dacitic volcaniclastics occur towards the top of the Beulah Formation where possible interbedding with the Minnow Keratophyre occurs. In this case the Gog Range Greywacke to the south of the Barite Prospect would be faulted against the Beulah Formation. Interpretation B suggests that the Barite Prospect is located in an interfingered sequence of andesitic lavas, felsic volcaniclastics and minor greywackes. This requires that the sequence south from the Barite Prospect is south facing and that the andesite is locally older than the greywackes. It is hoped that further mapping in the Beulah-Roland areas will resolve these problems.

In an attempt to further refine the geological interpretation, RGCE analysed the rock chip and air core samples for a suite of elements with the aim of geochemically mapping different units within the Beulah Formation and defining the contact with the Gog Range Greywacke. Examining drill samples aided interpretation to some extent but alteration and deep weathering often made rock identification difficult. It was hoped that analysis of the multielement data using RGCE's GAS software would resolve some of these problems.

The Gog Range Greywacke is easily defined geochemically. Detrital chromite in the siltstones and greywackes gives this unit a distinct high Cr signature. Multielement soil geochemistry could easily define this contact in future programmes.

Subdividing the Beulah Formation is more difficult due to low sample density. Of the three lithogeochemical groups defined within the Beulah Formation the most distinct is an extremely rare earth element (REE) enriched group. In hand specimen they appear to be weathered, weakly altered andesites, however, geochemically they are much different. The most extreme example is sample T40650, logged (suspiciously) as weathered andesitic lava, which contains 742pp La, 61.4ppm Eu, 8.2ppm Lu and 50.8ppm Yb. these values are much higher than those reported in other MRV geochemical studies. Another peculiarity is the Ce concentration. Normally the Ce:La ratio is about 2:1. In these rocks it is about 1:12 showing a massive Ce depletion highlighted on a chondrite normalised

986028



V FELSIC VOLCANICS AND VOLCANICLASTICS

A ANDESITIC LAVAS AND BRECCIAS

GREYWACKE

INTRUSIVE MAFIC GRANITOIDS

SCHEMATIC STRATIGRAPHIC COLUMNS

RGC EXPLORATION PTY. LIMITED

COMPILED	S.JACKSON	BEULAH E.L. 15/92
DRAWN	M.WALTER	
DATE	8/93	**SCHEMATIC CAMBRIAN STRATIGRAPHIC RELATIONSHIPS IN BEULAH - ROLAND AREA**
CHECKED		
1:25000 REF.		

DRAWING ID: 5534/006
FILENAME: ROLAND

FIG. 2

plot. Although this group is not obviously related to mineralisation, further work may prove useful.

A second more subtle subdivision of the Beulah Formation was made based on higher Th and K levels. This group forms a coherent unit along the eastern edge of the Beulah Formation just west of Conglomerate Hill. This litho-geochemical group is interpreted to be dacite. Notably these rocks have low but anomalous Cu concentration.

Multielement geochemistry overall has proved useful, however, for it to be more effective a greater sampling density is required which at this stage of exploration is not feasible.

6. RECOMMENDATIONS

Exploration activities for the next year of tenure are as follows:

- acquire 3 sq km south of present E.L. to incorporate remaining Beulah Formation not presently in 15/92.
- undertake a C-horizon soil geochemical survey over Beulah Formation not tested by Aberfoyle.
- undertake a ground magnetics survey over the same area.
- reconnaissance map the Beulah Formation that crops out in the Roland area.
- possible deep drilling of targets generated by soil survey and previous air core drilling.

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APPENDIX 1

Beulah Air Core Geochemistry

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	High graded	Sample kind	Hole number	From depth	To depth	Rock spare field	Rock type	Alteration Ore /weatherin minerals	Vein minerals
40601	5,410,827.2	448,205.7	18/02/93	SJ	5534	AMG		AC	BAC001	24.00	25.00	25	GWAC		
40602	5,410,820.8	448,250.9	18/02/93	SJ	5534	AMG		AC	BAC002	18.00	19.00	19	LA		QZ
40603	5,410,814.1	448,298.8	18/02/93	SJ	5534	AMG		AC	BAC003	14.00	15.00	15	GWAC		
40604	5,410,882.2	448,342.2	18/02/93	SJ	5534	AMG		AC	BAC004	18.00	21.00	21	VAXF		
40605	5,410,929.4	448,355.3	18/02/93	SJ	5534	AMG		AC	BAC005		20.00	20	VAXF		
40606	5,410,976.8	448,369.0	18/02/93	SJ	5534	AMG		AC	BAC006	2.00	3.00	3	VABR		
40607	5,411,027.4	448,382.5	18/02/93	SJ	5534	AMG		AC	BAC007	2.00	3.00	3	LAXF		
40608	5,411,074.4	448,393.6	18/02/93	SJ	5534	AMG		AC	BAC008	13.00	14.00	14	LAX		
40609	5,411,123.4	448,408.9	18/02/93	SJ	5534	AMG		AC	BAC009	8.00	9.00	9	LAX		
40610	5,411,196.4	448,361.2	18/02/93	SJ	5534	AMG		AC	BAC010	5.00	6.00	6	LA		
40611	5,411,245.4	448,375.2	18/02/93	SJ	5534	AMG		AC	BAC011	4.00	5.00	5	LA		
40612	5,411,293.3	448,389.8	18/02/93	SJ	5534	AMG		AC	BAC012			4	VA		
40613	5,410,616.8	448,446.3	18/02/93	SJ	5534	AMG		AC	BAC013			13	LAXF		
40614	5,410,626.1	448,397.1	18/02/93	SJ	5534	AMG		AC	BAC014			21	VXQF		
40615	5,410,635.0	448,348.6	18/02/93	SJ	5534	AMG		AC	BAC015			21	LAXF	EP	QZ
40616	5,410,641.7	448,299.4	18/02/93	SJ	5534	AMG		AC	BAC016			23	CGPM		
40617	5,410,647.7	448,248.7	18/02/93	SJ	5534	AMG		AC	BAC017			12	GWAC		
40618	5,410,504.0	448,329.6	18/02/93	SJ	5534	AMG		AC	BAC018			25	VAXF		
40619	5,410,403.6	448,317.2	18/02/93	SJ	5534	AMG		AC	BAC019			18	V/		
40620	5,410,303.7	448,306.9	18/02/93	SJ	5534	AMG		AC	BAC020			15	VAX		
40621	5,409,709.3	448,234.6	18/02/93	SJ	5534	AMG		AC	BAC021			5	SILT		
40622	5,409,807.9	448,248.0	18/02/93	SJ	5534	AMG		AC	BAC022			6	SILT		
40623	5,409,908.4	448,260.0	18/02/93	SJ	5534	AMG		AC	BAC023			20	LAXF		
40624	5,409,856.8	448,253.5	18/02/93	SJ	5534	AMG		AC	BAC024			14	EAF		
40625	5,409,951.6	448,299.7	18/02/93	SJ	5534	AMG		AC	BAC025			18	LAXF		
40626	5,410,069.7	448,270.0	18/02/93	SJ	5534	AMG		AC	BAC026			30	LAXF		
40627	5,410,160.3	448,278.5	18/02/93	SJ	5534	AMG		AC	BAC027			19	LA	EP	
40628	5,409,583.5	448,462.1	18/02/93	SJ	5534	AMG		AC	BAC028			21	LAX		
40629	5,409,555.5	448,421.2	18/02/93	SJ	5534	AMG		AC	BAC029			7	LAXF		
40630	5,409,541.7	448,375.2	18/02/93	SJ	5534	AMG		AC	BAC030			15	EFLQ		
40631	5,409,544.4	448,323.8	18/02/93	SJ	5534	AMG		AC	BAC031			3	SILT		
40632	5,409,549.8	448,272.4	18/02/93	SJ	5534	AMG		AC	BAC032			3	SILT		
40633	5,409,558.9	448,619.9	18/02/93	SJ	5534	AMG		AC	BAC033			12	LA	MS	
40634	5,409,519.3	448,641.8	18/02/93	SJ	5534	AMG		AC	BAC034			12	LA		
40635	5,409,463.3	448,664.5	18/02/93	SJ	5534	AMG		AC	BAC035			8	LA		
40636	5,409,413.8	448,613.3	18/02/93	SJ	5534	AMG		AC	BAC036			9	LA		
40637	5,409,377.3	448,646.9	18/02/93	SJ	5534	AMG		AC	BAC037			9	LA		
40638	5,409,642.4	448,616.3	18/02/93	SJ	5534	AMG		AC	BAC038			22	LAHP		
40639	5,409,746.3	448,632.5	18/02/93	SJ	5534	AMG		AC	BAC039			7	LAHP		
40640			/ /				STD	STD							
40641	5,409,567.6	449,047.8	18/02/93	SJ	5534	AMG		AC	BAC040			9	LA		
40642	5,409,618.3	449,056.0	18/02/93	SJ	5534	AMG		AC	BAC041			14	LAHP		
40643	5,409,666.4	449,065.8	18/02/93	SJ	5534	AMG		AC	BAC042			12	LAXF		
40644	5,409,717.2	449,073.8	18/02/93	SJ	5534	AMG		AC	BAC043			9	LAXF		
40645	5,409,766.1	449,081.8	18/02/93	SJ	5534	AMG		AC	BAC044			9	LAX		

Laboratory:
Detection Limit:
Method:

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	High graded	Sample kind	Hole number	From depth	To depth	Rock spare field	Rock type	Alteration Ore /weatherin minerals	Vein minerals
40646	5,409,817.3	449,091.1	18/02/93	SJ	5534	AMG		AC	BAC045			10	LAX		
40647	5,409,869.4	449,102.1	18/02/93	SJ	5534	AMG		AC	BAC046			6	LAX		
40648	5,409,975.5	449,120.1	18/02/93	SJ	5534	AMG		AC	BAC047			6	LAX	HE	
40649	5,410,026.9	449,132.7	18/02/93	SJ	5534	AMG		AC	BAC048			7	LAXF		
40650	5,410,075.2	449,138.0	18/02/93	SJ	5534	AMG		AC	BAC049			4	LAX		
40651	5,410,124.9	449,146.9	18/02/93	SJ	5534	AMG		AC	BAC050			13	LA		
40652	5,410,181.4	449,172.3	18/02/93	SJ	5534	AMG		AC	BAC051			17	LAX		
40653	5,410,173.2	449,223.5	18/02/93	SJ	5534	AMG		AC	BAC052			15	LA	HEMS	
40654	5,410,187.4	449,262.0	18/02/93	SJ	5534	AMG		AC	BAC053			9	LAX		
40655	5,410,160.0	449,314.1	18/02/93	SJ	5534	AMG		AC	BAC054			3	LA	HEMS	
40656	5,410,153.1	449,361.3	18/02/93	SJ	5534	AMG		AC	BAC055			6	LA	HEMS	
40657	5,410,144.9	449,409.9	18/02/93	SJ	5534	AMG		AC	BAC056			14	LAX		
40658	5,410,216.1	449,142.0	18/02/93	SJ	5534	AMG		AC	BAC057			11	LAX	HEMS	
40659	5,410,266.6	449,146.7	18/02/93	SJ	5534	AMG		AC	BAC058			18	LAXF		
40660	5,410,318.7	449,152.4	18/02/93	SJ	5534	AMG		AC	BAC059			15	LAXF		
40661	5,410,365.9	449,156.2	18/02/93	SJ	5534	AMG		AC	BAC060			21	LAXF		
40662	5,410,416.2	449,161.1	18/02/93	SJ	5534	AMG		AC	BAC061			24	LAXF		
40663	5,410,719.0	449,200.7	18/02/93	SJ	5534	AMG		AC	BAC062			12	LAX		
40664	5,410,768.7	449,207.6	18/02/93	SJ	5534	AMG		AC	BAC063			14	LAXF		
40665	5,410,817.4	449,212.7	18/02/93	SJ	5534	AMG		AC	BAC064			25	LAX		QZ
40666	5,410,915.3	449,224.5	18/02/93	SJ	5534	AMG		AC	BAC065			12	LAXF		
40667	5,411,019.0	449,234.1	18/02/93	SJ	5534	AMG		AC	BAC066			11	LAXF		
40668	5,411,115.8	449,247.0	18/02/93	SJ	5534	AMG		AC	BAC067			9	LABR		
40669	5,411,165.7	449,252.5	18/02/93	SJ	5534	AMG		AC	BAC068			12	LA?		
40670	5,411,217.5	449,260.3	18/02/93	SJ	5534	AMG		AC	BAC069			18	LABR		
40671	5,411,251.5	449,267.2	18/02/93	SJ	5534	AMG		AC	BAC070			30	LAXF		
40672	5,411,231.5	448,841.3	18/02/93	SJ	5534	AMG		AC	BAC071			18	LAX		
40673	5,411,131.4	448,823.6	18/02/93	SJ	5534	AMG		AC	BAC072			23	LAX		
40674	5,411,032.8	448,810.9	18/02/93	SJ	5534	AMG		AC	BAC073			12	LA		
40675	5,410,932.2	448,795.2	18/02/93	SJ	5534	AMG		AC	BAC074			13	LAX		
40676	5,410,883.9	448,789.2	18/02/93	SJ	5534	AMG		AC	BAC075			9	LAXF		
40677	5,410,834.9	448,782.0	18/02/93	SJ	5534	AMG		AC	BAC076			8	LAX		
40678	5,410,784.4	448,774.5	18/02/93	SJ	5534	AMG		AC	BAC077			12	LAXF		
40679	5,410,731.7	448,770.0	18/02/93	SJ	5534	AMG		AC	BAC078			18	LABR	HEMS	
40680			/ /				STD	STD							
40681	5,410,682.1	448,762.7	18/02/93	SJ	5534	AMG		AC	BAC079			17	LAXF		
40682	5,410,583.7	448,750.9	18/02/93	SJ	5534	AMG		AC	BAC080			27	LAXF	HEMS	
40683	5,410,533.4	448,739.2	18/02/93	SJ	5534	AMG		AC	BAC081			18	LAX		
40684	5,410,436.3	448,724.3	18/02/93	SJ	5534	AMG		AC	BAC082			13	LFL		
40685	5,410,387.3	448,716.7	18/02/93	SJ	5534	AMG		AC	BAC083			12	LA?		
40686	5,410,338.8	448,709.6	18/02/93	SJ	5534	AMG		AC	BAC084			1	LA?		
40687	5,410,289.8	448,702.1	18/02/93	SJ	5534	AMG		AC	BAC085			6	LA		
40688	5,410,236.2	448,694.3	18/02/93	SJ	5534	AMG		AC	BAC086			3	LA		
40689	5,410,189.7	448,686.5	18/02/93	SJ	5534	AMG		AC	BAC087			9	LAX		
40690	5,410,000.0	448,661.8	18/02/93	SJ	5534	AMG		AC	BAC088			15	LAX		

Laboratory:
Detection Limit:
Method:

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	High graded	Sample kind	Hole number	From depth	To depth	Rock spare field	Rock type	Alteration /weatherin	Ore minerals	Vein minerals
40691	5,409,946.4	448,656.5	18/02/93	SJ	5534	AMG		AC	BAC089			6	LAX			
40692	5,409,890.3	448,648.1	18/02/93	SJ	5534	AMG		AC	BAC090			12	LAX			
40693	5,409,837.6	448,643.2	18/02/93	SJ	5534	AMG		AC	BAC091			11	LA			
40694	5,408,970.2	449,614.0	18/02/93	SJ	5534	AMG		AC	BAC092			4	LA			
40695	5,408,920.9	449,649.5	18/02/93	SJ	5534	AMG		AC	BAC093			24	LA			
40696	5,408,861.1	449,685.8	18/02/93	SJ	5534	AMG		AC	BAC094			7	LAX			
40697	5,408,810.8	449,678.7	18/02/93	SJ	5534	AMG		AC	BAC095			11	SILT			
40698	5,408,763.1	449,671.4	18/02/93	SJ	5534	AMG		AC	BAC096			3	VO			
40699	5,408,701.9	449,681.1	18/02/93	SJ	5534	AMG		AC	BAC097			12	GWAC			
40700	5,408,663.4	449,707.5	18/02/93	SJ	5534	AMG		AC	BAC098			5	SILT			
40701	5,409,034.5	450,181.3	22/02/93	SJ	5534	AMG		AC	BAC099	2.00	3.00	3	LA			
40702	5,408,995.2	450,220.7	22/02/93	SJ	5534	AMG		AC	BAC100	3.00		3	LA	HEMS		
40703	5,408,902.4	450,284.8	22/02/93	SJ	5534	AMG		AC	BAC101			21	LABR			
40704	5,408,870.9	450,366.9	22/02/93	SJ	5534	AMG		AC	BAC102			14	LAXF			
40705	5,408,819.6	450,451.5	22/02/93	SJ	5534	AMG		AC	BAC103			18	LAX			
40706	5,408,763.2	450,530.2	22/02/93	SJ	5534	AMG		AC	BAC104			30	LAX	HEMS		
40707	5,408,772.8	450,626.9	22/02/93	SJ	5534	AMG		AC	BAC105			12	LAX			
40708	5,408,696.7	450,632.7	22/02/93	SJ	5534	AMG		AC	BAC106			3	LA			
40709	5,408,852.9	450,278.3	22/02/93	SJ	5534	AMG		AC	BAC107			14	LA			
40710	5,408,806.2	450,263.3	22/02/93	SJ	5534	AMG		AC	BAC108			2	SILT			
40711	5,408,762.4	450,288.8	22/02/93	SJ	5534	AMG		AC	BAC109			10	LA	HE		QZ
40712	5,408,721.9	450,316.2	22/02/93	SJ	5534	AMG		AC	BAC110			19	LAXF			
40713	5,408,668.3	450,312.0	22/02/93	SJ	5534	AMG		AC	BAC111			6	GWAC			
40714	5,408,340.4	450,948.5	22/02/93	SJ	5534	AMG		AC	BAC112			6	GWAC			
40715	5,408,438.0	450,942.3	22/02/93	SJ	5534	AMG		AC	BAC113			3	SILT			
40716	5,408,530.5	450,910.9	22/02/93	SJ	5534	AMG		AC	BAC114			5	LA	SI		
40717	5,408,526.6	450,860.6	22/02/93	SJ	5534	AMG		AC	BAC115			4	GWAC			
40718	5,408,523.6	450,810.6	22/02/93	SJ	5534	AMG		AC	BAC116			6	GWAC			
40719	5,408,521.9	450,762.9	22/02/93	SJ	5534	AMG		AC	BAC117			2	LA	SI		
40720			/ /				STD	STD								
40721	5,408,517.3	450,711.6	22/02/93	SJ	5534	AMG		AC	BAC118			3	SILT			
40722	5,408,511.4	450,661.3	22/02/93	SJ	5534	AMG		AC	BAC119			3	SILT			
40723	5,408,498.6	450,609.8	22/02/93	SJ	5534	AMG		AC	BAC120			3	SILT			
40724	5,408,549.1	450,602.3	22/02/93	SJ	5534	AMG		AC	BAC121			4	SILT	SI	PY	
40725	5,408,486.6	450,562.9	22/02/93	SJ	5534	AMG		AC	BAC122			12	SILT			
40726	5,409,567.4	449,508.6	23/02/93	SJ	5534	AMG		AC	BAC123			20	LA			
40727	5,409,603.2	449,473.2	23/02/93	SJ	5534	AMG		AC	BAC124			23	LAX	EP		
40728	5,409,626.6	449,434.6	23/02/93	SJ	5534	AMG		AC	BAC125			30	LA	EP		QZ
40729	5,409,642.8	449,389.7	23/02/93	SJ	5534	AMG		AC	BAC126			21	LAX	HEMS		
40730	5,409,662.5	449,342.7	23/02/93	SJ	5534	AMG		AC	BAC127			24	LA	EPHEMS		
40731	5,409,681.3	449,295.5	23/02/93	SJ	5534	AMG		AC	BAC128			29	LAXF			
40732	5,409,552.5	449,864.3	23/02/93	SJ	5534	AMG		AC	BAC129			9	LA			
40733	5,409,600.1	449,869.0	23/02/93	SJ	5534	AMG		AC	BAC130			5	LAXF	HE		
40734	5,409,650.2	449,872.1	23/02/93	SJ	5534	AMG		AC	BAC131			3	LA	HE		
40735	5,409,708.5	449,789.7	23/02/93	SJ	5534	AMG		AC	BAC132			2	LA			

Laboratory:
Detection Limit:
Method:

986036

RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	Ag n ppm BECQUE INAA	As n ppm BECQUE INAA	Au n ppb BECQUE INAA	Ba n ppm BECQUE INAA	Br n ppm BECQUE INAA	Ce n ppm BECQUE INAA	Co n ppm BECQUE INAA	Cr n ppm BECQUE INAA	Cs n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu n ppm BECQUE INAA	Fe n % BECQUE INAA30	Hf n ppm BECQUE INAA	Ir n ppb BECQUE INAA	K n % BECQUE INAA30	La n ppm BECQUE INAA
40601	-5.600	3.680	-5.200	298.000	-0.880	68.620	27.020	393.900	5.430	68.000	1.900	5.430	4.700	-10.600	1.120	44.320
40602	-3.800	5.980	-2.900	105.000	-0.600	91.830	4.150	19.700	2.250	32.000	1.390	4.370	6.340	-7.300	0.270	41.720
40603	-5.600	7.340	-5.000	560.500	-0.870	63.200	40.930	316.200	6.430	91.000	1.560	5.840	4.140	-10.300	1.340	35.410
40604	-6.400	10.450	-4.600	2030.800	-1.000	41.490	30.020	28.600	11.530	19.000	1.670	8.320	3.470	-11.600	1.950	25.980
40605	-6.500	10.690	-4.700	1641.200	-1.010	51.430	23.450	51.500	13.090	78.000	1.170	8.760	4.090	-11.800	2.320	24.790
40606	-6.900	7.760	-7.500	1045.900	-1.190	80.280	21.080	39.500	17.410	28.000	5.660	7.510	4.540	-13.800	3.450	129.090
40607	-7.700	22.820	-7.500	644.500	3.280	99.070	64.810	59.100	3.910	33.000	2.170	8.030	5.060	-15.100	0.700	40.110
40608	-4.400	6.500	-4.500	1090.100	-0.730	104.630	16.230	4.400	19.020	29.000	3.480	6.920	6.100	-8.600	2.380	58.580
40609	-5.200	5.680	-5.200	1219.500	0.920	89.900	20.120	-4.800	8.200	5.000	2.030	6.590	5.950	-10.300	2.030	54.760
40610	-4.700	5.500	-5.000	548.200	-0.800	97.820	21.980	-4.400	35.550	8.000	3.270	9.730	4.870	-9.500	2.700	72.420
40611	-4.800	4.620	-5.400	1567.100	-0.880	120.000	19.050	-3.600	12.480	56.000	4.620	6.000	5.200	13.900	4.000	89.160
40612	-4.200	7.730	-3.300	1155.700	-0.700	92.340	13.450	-2.100	25.910	26.000	1.070	7.550	5.180	-8.000	4.430	39.720
40613	-5.600	9.560	-4.300	873.200	-0.910	47.780	14.470	26.100	5.530	10.000	1.050	5.480	3.570	-10.500	1.710	24.150
40614	-5.500	5.890	-5.000	798.700	-0.900	60.520	24.770	44.100	11.290	65.000	1.390	7.920	5.060	-10.000	1.860	25.980
40615	-5.900	6.360	-4.500	1042.000	-0.980	58.790	42.210	55.300	3.750	25.000	1.240	5.680	4.510	-11.200	1.760	26.870
40616	-6.800	3.990	-5.100	896.900	1.380	59.540	18.670	42.600	2.250	11.000	1.640	6.990	4.030	-12.600	0.700	32.190
40617	-4.900	15.880	-5.000	1284.000	-0.880	88.330	28.370	86.100	16.590	31.000	2.490	5.070	5.950	-9.700	3.270	64.100
40618	-4.800	5.250	-3.800	642.700	1.220	60.260	17.630	31.400	4.970	18.000	1.310	4.160	4.210	-9.200	1.170	25.690
40619	-6.200	5.990	-5.900	2008.200	-1.060	132.960	50.540	48.700	6.210	38.000	2.300	6.720	4.480	-11.600	2.100	48.670
40620	-5.800	2.800	-4.400	1222.900	-0.980	70.630	26.170	31.100	5.670	115.000	1.750	7.380	4.660	-10.600	2.220	36.410
40621	-5.000	3.500	-4.700	783.600	-0.860	107.470	22.300	118.700	14.450	51.000	0.920	4.480	6.090	-9.200	3.630	28.280
40622	-5.300	4.680	-5.500	794.000	-0.970	100.750	14.350	127.600	14.660	30.000	2.410	4.540	5.940	-10.600	3.610	80.090
40623	-5.500	5.340	-4.400	1677.400	1.760	76.580	9.860	12.100	3.780	7.000	1.330	4.060	5.680	-10.600	1.290	30.380
40624	-5.000	1.940	-4.000	440.700	1.380	65.910	7.470	33.200	7.080	4.000	1.530	3.970	5.840	-9.500	0.870	32.730
40625	-6.200	1.510	-4.700	171.600	-1.060	40.140	27.950	31.500	3.480	4.000	0.860	9.240	3.820	-11.100	0.530	18.390
40626	-4.600	2.760	-4.900	1014.200	-0.880	122.510	7.570	14.400	12.170	6.000	2.230	3.060	9.170	-9.300	2.730	58.940
40627	-9.000	-2.360	-11.300	649.300	-2.240	44.430	574.790	67.700	3.340	17.000	1.320	7.770	-1.640	-25.400	0.560	18.030
40628	-6.000	1.330	-4.800	1310.700	1.250	86.170	18.500	16.800	13.450	4.000	1.680	5.250	5.590	-11.400	2.140	37.710
40629	-6.400	1.990	-6.500	1537.300	-1.160	85.580	30.630	29.900	1.660	22.000	1.720	6.010	6.850	-12.100	1.920	52.090
40630	-4.900	2.030	-5.500	1827.600	-0.940	101.940	9.700	8.600	6.800	7.000	4.300	4.940	8.180	-9.800	1.820	85.820
40631	-4.700	-0.900	-3.700	841.400	1.310	176.330	17.820	126.700	14.100	56.000	0.660	4.590	6.320	-8.600	3.600	21.340
40632	-8.200	-1.640	-8.400	376.100	-1.550	193.110	146.540	443.800	4.500	185.000	3.830	8.490	3.890	-15.700	1.160	111.990
40633	-4.300	1.800	-3.800	1203.100	-0.850	106.920	18.410	-4.000	18.980	20.000	1.860	5.560	5.000	9.200	4.760	67.070
40634	-4.400	-0.900	-5.000	1052.700	-0.860	110.560	15.850	-4.200	31.310	7.000	3.390	5.590	5.220	-9.100	3.830	73.390
40635	-4.600	1.640	-3.100	770.200	1.030	72.760	12.730	-2.900	20.280	7.000	1.160	4.920	5.190	-8.900	3.550	66.590
40636	-4.900	2.560	-3.200	1333.800	0.950	76.290	15.140	-4.200	22.790	50.000	2.100	5.570	5.360	-9.300	3.810	61.930
40637	-5.000	0.600	-4.200	1607.300	-0.600	54.900	15.810	-4.300	18.890	5.000	3.070	5.720	5.590	-9.300	4.190	54.240
40638	-6.600	6.950	-3.800	1426.400	-0.720	48.870	19.330	42.800	6.790	14.000	1.430	6.380	4.170	-11.000	2.530	30.360
40639	-7.800	4.370	-5.400	1848.100	-0.840	42.100	42.730	57.600	6.890	42.000	2.020	7.840	4.000	-12.700	3.480	33.270
40640	495.100	4637.380	479.700	10639.300	17.520	24.120	21.090	-9.000	-2.020	3980.000	0.470	10.080	-0.720	-30.200	4.190	26.180
40641	-7.700	6.870	-4.300	1026.600	-0.830	250.390	302.280	69.000	36.060	51.000	0.750	7.020	1.910	-12.400	4.100	10.610
40642	-7.800	5.870	-4.300	770.400	-0.830	30.450	35.330	23.300	5.550	7.000	1.600	7.930	2.560	-12.500	1.190	23.480
40643	-7.000	10.280	-4.900	1183.600	-0.770	33.880	29.300	19.600	16.920	17.000	0.980	7.020	2.780	-11.600	1.730	18.050
40644	-7.000	19.880	-5.400	1312.300	0.990	49.960	26.940	18.400	16.810	16.000	4.210	7.900	3.540	-12.100	2.200	52.320
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500
Method:																

Sample	Ag n ppm BECQUE INAA	As n ppm BECQUE INAA	Au n ppb BECQUE INAA	Ba n ppm BECQUE INAA	Br n ppm BECQUE INAA	Ce n ppm BECQUE INAA	Co n ppm BECQUE INAA	Cr n ppm BECQUE INAA	Cs n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu n ppm BECQUE INAA	Fe n % BECQUE INAA30	Hf n ppm BECQUE INAA	Ir n ppb BECQUE INAA	K n % BECQUE INAA30	La n ppm BECQUE INAA
40645	-8.000	9.380	-4.400	2751.600	-0.860	20.740	35.460	35.100	17.500	24.000	1.670	7.110	1.320	-12.700	3.290	15.040
40646	-7.400	25.390	-4.400	1968.200	1.330	39.240	65.190	31.500	6.610	84.000	1.650	9.800	3.030	-12.600	2.360	20.670
40647	-8.200	13.410	-5.500	1351.500	0.950	21.990	57.710	127.700	25.730	145.000	1.120	10.260	1.560	14.700	2.970	15.150
40648	-8.400	30.060	-4.800	1572.900	-0.910	36.740	37.280	-5.700	7.370	200.000	1.720	8.520	3.150	-13.500	1.770	22.130
40649	-9.700	11.520	-8.700	1940.200	-1.550	30.480	94.820	78.500	3.390	115.000	6.480	9.610	3.210	-15.900	2.110	128.930
40650	-15.200	29.430	-31.500	1026.100	5.130	59.620	110.010	95.200	3.500	45.000	61.430	9.600	7.300	-30.700	2.890	741.570
40651	-11.500	10.190	-6.200	699.000	-1.210	28.720	52.780	87.100	4.280	67.000	1.960	8.050	2.760	-17.500	0.870	25.350
40652	-8.800	8.300	-5.000	1335.000	-0.960	24.980	36.880	52.700	7.380	32.000	1.320	7.080	2.180	-13.900	1.940	18.630
40653	-8.700	5.760	-4.800	1082.700	-0.950	23.470	41.740	69.300	16.860	62.000	1.320	7.930	1.610	-13.400	2.500	19.410
40654	-10.700	11.120	-7.100	1073.100	-1.150	35.660	55.960	68.100	4.800	45.000	2.310	9.090	4.220	-16.200	1.780	36.820
40655	-5.300	12.320	-4.000	428.900	1.120	41.310	8.180	11.200	11.420	25.000	0.900	6.430	4.240	-8.900	4.160	20.160
40656	-6.300	4.430	-5.200	359.700	-0.830	176.440	10.450	15.700	21.410	25.000	2.330	4.990	4.760	-11.700	3.840	88.900
40657	-7.000	10.940	-5.500	1543.900	0.930	87.730	28.650	33.500	54.800	29.000	3.120	6.070	4.380	-12.300	4.160	54.420
40658	-7.000	10.170	-4.200	1269.000	-0.850	48.680	37.870	48.600	29.100	125.000	1.270	9.320	2.430	-11.500	3.870	27.460
40659	-9.000	4.620	-5.100	927.800	-1.030	39.010	35.220	34.000	6.660	16.000	1.170	7.250	2.980	-14.200	1.400	22.230
40660	-6.700	2.960	-4.100	599.300	-0.830	47.630	42.250	70.400	30.880	17.000	1.490	7.750	2.890	-11.100	2.550	22.430
40661	-6.600	7.790	-5.000	1297.000	-0.820	56.830	15.300	23.800	11.670	28.000	1.700	6.070	6.130	-11.200	2.430	39.670
40662	-6.400	8.570	-4.900	1233.000	1.590	69.350	24.260	18.900	21.250	17.000	1.360	6.920	5.240	-10.900	2.750	30.660
40663	-10.700	6.360	-14.300	-184.100	-2.060	77.750	24.590	56.800	10.120	17.000	21.720	7.300	6.360	-20.600	-0.990	309.880
40664	-12.300	8.830	-17.100	657.600	-2.520	70.460	21.400	34.500	22.680	29.000	27.160	7.390	9.140	-25.500	2.490	509.560
40665	-6.800	17.840	-4.100	596.600	1.900	56.260	25.250	41.900	13.060	29.000	1.410	7.170	3.840	-10.900	1.030	32.740
40666	-10.200	16.130	-8.800	345.200	-1.320	43.720	33.970	41.100	16.600	29.000	9.050	7.950	7.230	-17.500	0.590	171.760
40667	-8.900	9.710	-5.300	1621.300	-1.070	44.380	45.530	38.400	17.140	17.000	2.100	7.550	4.840	-14.200	2.550	43.860
40668	-6.500	5.750	-4.000	322.600	2.080	49.230	40.520	31.500	13.360	30.000	0.940	7.780	3.260	-10.700	3.000	20.970
40669	-6.200	4.880	-3.700	85.800	-0.780	73.850	37.630	27.000	13.340	29.000	0.720	9.980	4.460	-10.000	2.910	13.260
40670	-8.500	5.690	-7.700	504.800	-1.190	48.450	14.870	28.800	27.840	10.000	7.660	6.780	5.770	-19.200	3.800	166.760
40671	-7.900	10.390	-4.800	1100.900	1.180	55.020	26.930	36.000	5.160	21.000	1.570	7.130	4.750	-12.700	2.190	31.560
40672	-9.800	-1.420	-9.700	911.400	-1.450	65.370	22.900	-9.200	16.570	45.000	12.150	7.160	8.440	-18.900	2.020	243.780
40673	-8.900	2.870	-11.800	921.900	-1.900	63.440	304.950	23.100	4.450	66.000	6.370	6.010	3.630	-21.200	1.870	127.480
40674	-6.100	8.780	-3.800	602.100	-0.790	75.820	28.470	29.000	19.050	64.000	1.230	11.490	5.150	-10.100	3.760	14.340
40675	-9.700	20.600	-7.700	1591.400	-1.250	32.330	41.320	25.900	20.900	63.000	5.350	8.450	4.280	-16.000	2.230	79.600
40676	-12.800	7.280	-23.200	-240.900	-2.780	64.350	73.460	18.100	2.410	67.000	45.060	7.790	6.970	-27.200	-1.840	720.510
40677	-11.000	-2.390	-15.100	1670.200	-2.220	87.120	70.050	20.100	13.590	57.000	23.520	7.680	4.670	-22.000	3.120	362.490
40678	-8.800	2.520	-6.500	2428.800	-1.130	28.780	55.570	52.500	16.220	24.000	1.440	9.560	2.150	-13.800	3.810	23.590
40679	-8.800	3.920	-5.300	491.300	1.650	27.160	40.800	23.000	12.430	70.000	1.150	7.900	2.170	-13.800	1.970	16.180
40680	-8.300	35.860	430.700	6621.200	-1.370	345.200	130.560	-6.300	-1.080	34700.000	3.390	10.640	7.490	-17.600	2.870	282.360
40681	-6.800	2.890	-5.500	1064.400	-0.930	40.930	31.640	18.500	19.460	56.000	2.260	7.000	2.440	-11.500	2.810	29.850
40682	-6.400	8.650	-4.100	1152.100	-0.860	24.320	39.320	11.400	31.730	47.000	1.170	9.940	1.140	-10.500	3.990	12.430
40683	-7.800	10.000	-4.900	966.600	1.090	28.480	45.950	11.300	25.370	145.000	2.050	10.310	1.700	-12.500	2.020	20.990
40684	-6.800	7.990	-5.400	134.000	-0.940	108.280	64.250	11.900	1.950	105.000	3.030	10.190	2.030	-11.200	-0.190	20.950
40685	-6.500	6.630	-5.200	294.300	1.070	47.790	26.410	36.200	1.810	9.000	2.640	7.790	2.190	-10.800	-0.190	18.470
40686	-6.400	5.830	-5.000	-93.400	1.030	22.120	26.480	39.300	0.990	27.000	1.990	8.400	1.680	-10.600	-0.200	21.070
40687	-7.100	4.800	-5.700	851.700	-0.990	36.510	55.150	16.300	9.350	9.000	1.490	7.670	2.780	-11.800	1.900	22.360
40688	-8.000	5.810	-6.300	907.400	1.130	28.770	32.500	180.100	20.190	24.000	1.830	13.120	1.720	-12.800	2.320	27.380
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500
Method:																

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RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	Ag_n ppm BECQUE INAA	As_n ppm BECQUE INAA	Au_n ppb BECQUE INAA	Ba_n ppm BECQUE INAA	Br_n ppm BECQUE INAA	Ce_n ppm BECQUE INAA	Co_n ppm BECQUE INAA	Cr_n ppm BECQUE INAA	Cs_n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu_n ppm BECQUE INAA	Fe_n % BECQUE INAA30	Hf_n ppm BECQUE INAA	Ir_n ppb BECQUE INAA	K_n % BECQUE INAA30	La_n ppm BECQUE INAA
40689	-5.800	2.230	-4.000	404.700	1.140	48.330	14.910	14.300	4.400	5.000	1.080	4.590	3.180	-10.100	0.880	24.080
40690	-7.200	5.690	-5.800	1017.400	2.410	37.940	27.160	15.600	5.410	9.000	1.500	7.020	2.720	-12.000	1.430	19.980
40691	-5.800	1.470	-4.200	1272.800	-0.890	78.490	23.150	15.600	31.930	11.000	2.070	6.100	5.420	-10.300	5.790	51.730
40692	-5.500	6.130	-4.900	1471.200	-0.860	52.400	17.710	13.400	31.540	17.000	2.250	6.950	4.080	-9.900	6.000	42.510
40693	-7.900	4.080	-6.600	1495.000	1.170	55.640	30.410	34.600	3.350	26.000	2.340	8.220	5.160	-13.500	2.560	66.940
40694	-5.400	4.200	-5.000	1915.900	1.600	108.850	12.410	53.000	11.240	16.000	2.190	3.240	7.480	-10.000	3.200	57.700
40695	-7.700	2.560	-5.000	2122.000	-1.100	34.520	31.140	66.300	14.570	52.000	1.640	7.390	2.380	14.000	2.240	23.210
40696	-10.300	4.810	-11.200	1059.600	-1.870	97.980	50.950	31.100	7.370	23.000	12.220	6.010	8.710	-19.100	1.750	267.680
40697	-7.900	9.610	-5.200	1335.100	-1.170	37.840	52.540	364.800	5.550	125.000	1.420	6.890	2.790	-13.000	1.500	27.490
40698	-6.200	4.500	-4.100	245.900	2.410	26.560	50.260	1049.600	2.230	49.000	0.840	4.990	1.910	-10.200	-0.310	18.130
40699	-6.300	4.510	-5.100	710.200	-0.940	48.580	41.770	379.000	4.210	91.000	1.310	6.160	3.030	-10.400	1.190	22.710
40700	-7.400	5.940	-6.200	246.700	1.620	102.020	91.540	621.200	4.360	98.000	1.870	6.630	3.790	-12.300	1.100	60.450
40701	-7.100	12.430	-5.800	234.500	-1.060	54.360	29.060	101.200	12.980	110.000	1.660	14.490	2.820	-11.400	1.860	21.040
40702	-6.400	16.700	-4.400	458.100	1.390	53.660	16.270	77.900	16.860	37.000	1.060	9.170	3.380	-10.700	3.460	22.510
40703	-6.600	5.560	-6.000	660.300	1.510	33.200	16.670	91.500	19.030	28.000	3.870	7.780	3.410	-11.600	3.200	69.280
40704	-6.200	9.730	-4.300	580.800	1.790	67.100	49.180	93.000	23.180	22.000	1.330	6.460	3.120	-10.500	4.000	27.390
40705	-6.400	4.200	-4.500	775.600	-1.010	71.890	74.560	98.000	26.690	19.000	1.700	7.130	2.900	-11.000	3.420	34.280
40706	-7.100	5.350	-6.100	620.000	-1.120	47.500	33.610	126.400	36.250	19.000	1.870	7.860	3.180	-11.900	2.650	33.980
40707	-7.600	6.400	-5.200	1624.000	-1.180	53.580	118.610	60.900	35.530	10.000	0.990	11.780	2.400	-12.500	3.050	18.570
40708	-9.400	6.030	-6.300	3836.600	1.630	36.210	68.790	69.700	16.340	58.000	1.100	14.190	2.000	-15.200	1.820	18.900
40709	-6.400	3.780	-4.400	722.900	-1.010	63.420	57.240	96.700	23.680	39.000	1.390	7.850	2.970	-10.600	3.350	32.040
40710	-6.600	7.290	-4.600	290.400	5.750	25.840	11.420	94.600	33.790	13.000	0.650	9.370	3.630	-10.900	1.970	14.710
40711	-8.600	19.570	-5.600	539.700	-1.300	57.100	82.210	111.200	29.330	41.000	1.360	19.820	1.480	-13.400	1.060	26.310
40712	-7.000	1.990	-5.900	772.200	-1.120	45.590	22.790	130.300	34.370	9.000	0.970	7.420	2.660	-11.500	2.310	20.310
40713	-6.000	4.910	-4.100	125.300	-0.960	22.110	60.720	1475.100	2.470	56.000	0.560	5.840	1.810	-9.800	0.490	12.990
40714	-6.700	25.910	-4.600	1166.300	3.310	54.420	3.250	80.500	20.890	43.000	0.810	6.290	3.010	-11.500	2.580	27.740
40715	-10.400	5.130	-8.500	379.200	-1.420	94.970	203.200	836.700	1.860	105.000	4.980	7.260	4.070	-17.800	0.450	161.960
40716	-7.000	4.470	-5.600	1085.600	1.590	54.260	14.330	71.100	13.400	10.000	2.240	5.860	3.160	-11.700	2.980	29.500
40717	-7.900	13.640	-6.700	1164.600	-1.070	104.420	57.190	56.400	12.920	60.000	4.430	7.440	3.270	-13.700	2.170	78.080
40718	-7.900	2.600	-5.900	1303.900	-0.990	60.930	64.210	370.300	13.970	55.000	1.820	7.260	3.050	-13.000	2.810	33.200
40719	-5.900	2.740	-5.100	1709.800	-0.810	99.740	33.760	30.200	15.790	59.000	2.200	6.620	5.370	-11.200	2.959	67.990
40720	454.400	4462.030	457.800	9762.700	11.520	17.010	22.540	-9.600	-2.100	4050.000	0.720	9.610	-0.770	-32.300	2.060	24.690
40721	-6.700	-0.730	-4.100	675.900	-0.790	27.640	47.840	235.200	10.060	139.000	0.430	7.370	1.960	-11.900	1.830	13.030
40722	-6.800	-0.740	-4.100	292.500	-0.800	25.490	45.470	255.700	6.690	141.000	0.590	6.750	2.260	-12.100	1.100	11.230
40723	-8.100	5.530	-5.200	1056.100	-0.990	29.380	43.880	150.300	14.330	23.000	0.780	6.440	1.550	-15.000	1.300	12.980
40724	-2.800	16.830	-2.300	3152.600	-0.420	111.950	5.070	15.100	7.220	8.000	0.750	0.980	4.260	-6.600	1.740	53.020
40725	-5.100	12.340	-4.100	767.800	-0.620	43.470	34.790	315.300	5.350	90.000	1.030	4.830	2.560	-9.300	1.070	19.600
40726	-7.400	9.700	-4.700	971.200	1.300	56.530	39.460	103.100	7.810	17.000	1.680	7.710	3.310	-13.600	1.190	27.930
40727	-6.200	9.510	-4.000	1084.200	0.920	38.250	23.940	119.300	5.930	32.000	1.020	6.380	3.070	-11.400	1.290	21.700
40728	-6.200	10.630	-4.000	1265.700	0.950	50.750	23.440	59.400	4.890	19.000	1.150	7.250	3.250	-11.300	2.250	20.800
40729	-5.300	6.050	-4.200	1557.200	-0.660	49.320	23.090	33.500	39.740	28.000	1.320	9.510	3.610	-9.700	4.420	22.720
40730	-5.600	12.230	-3.600	645.200	1.020	27.240	35.080	85.400	18.250	115.000	0.950	7.440	1.340	10.300	1.240	11.820
40731	-5.800	8.510	-3.700	815.200	-0.730	27.980	39.250	37.900	32.080	185.000	2.240	9.230	1.430	-10.500	2.390	27.710
40732	-7.100	11.530	-4.700	1127.900	-0.900	47.920	37.180	54.600	5.500	15.000	1.030	6.630	2.890	-13.100	2.870	21.150
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500
Method:																

Sample	Ag_n ppm BECQUE INAA	As_n ppm BECQUE INAA	Au_n ppb BECQUE INAA	Ba_n ppm BECQUE INAA	Br_n ppm BECQUE INAA	Ce_n ppm BECQUE INAA	Co_n ppm BECQUE INAA	Cr_n ppm BECQUE INAA	Cs_n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu_n ppm BECQUE INAA	Fe_n % BECQUE INAA30	Hf_n ppm BECQUE INAA	Ir_n ppb BECQUE INAA	K_n % BECQUE INAA30	La_n ppm BECQUE INAA
40733	-5.900	5.470	-4.100	870.000	1.160	56.140	20.580	33.300	12.290	45.000	1.260	4.940	3.380	-11.300	2.200	24.470
40734	-4.900	10.360	-4.100	1051.000	-0.650	67.080	15.010	4.800	17.000	66.000	1.990	8.530	3.400	-9.300	3.790	42.210
40735	-5.500	7.930	-4.800	582.100	0.830	89.830	55.700	17.200	11.010	30.000	3.180	7.940	3.440	-10.500	3.530	61.800
40736	-5.800	9.130	-4.900	1631.300	1.420	89.580	66.590	70.700	9.600	125.000	2.870	8.270	3.390	11.700	2.100	51.150
40737	-9.200	4.140	-12.600	762.500	4.740	79.680	45.670	134.900	17.350	115.000	18.170	8.970	3.120	-19.800	1.310	290.490
40738	-5.300	2.770	-4.900	446.400	1.520	116.670	26.350	82.600	13.730	14.000	2.940	5.900	4.540	-10.600	2.710	73.130
40739	-6.100	5.330	-3.800	1187.700	1.480	97.450	15.730	55.600	16.930	15.000	1.910	5.170	4.910	-10.900	3.810	52.650
40740	-6.300	6.070	-4.200	712.200	4.010	61.130	50.020	71.800	9.940	14.000	0.910	5.160	4.030	-12.000	1.560	37.690
40741	-7.800	4.850	-5.900	1061.200	1.580	158.300	42.930	126.800	15.250	110.000	2.700	8.140	5.160	-13.100	2.850	85.600
40742	-8.500	7.230	-5.000	1950.900	1.510	143.900	28.080	173.700	7.050	260.000	2.440	5.110	6.170	-14.200	5.310	79.240
40743	-8.500	8.040	-6.500	2202.700	3.040	173.550	28.960	147.800	8.420	240.000	2.910	6.190	7.250	20.900	5.590	97.460
40744	-7.400	10.720	-4.500	1922.100	1.750	153.600	36.900	184.200	11.300	34.000	2.850	6.000	5.270	-12.800	5.020	79.790
40745	-8.000	15.530	-6.300	1840.900	2.850	165.580	27.090	59.000	15.420	181.000	3.130	7.540	7.250	-14.100	6.250	92.820
40746	-8.700	12.900	-6.300	1721.900	1.710	134.540	28.970	190.000	2.900	30.000	2.690	6.970	6.080	-14.400	4.340	76.480
40747	-6.000	8.490	-4.600	1064.300	1.060	79.400	37.640	173.200	23.050	30.000	1.530	6.770	3.660	-10.500	4.980	41.100
40748	-5.900	6.860	10.200	619.600	3.600	117.050	14.150	125.700	1.300	23.000	2.430	5.460	3.530	-10.700	2.120	61.710
40749	-8.900	8.110	-5.300	1774.200	2.910	159.530	27.980	205.800	1.410	98.000	2.630	6.400	6.460	-15.000	4.660	87.840
40750	-5.600	6.720	-3.400	375.500	0.870	43.620	35.210	71.400	10.070	225.000	1.410	6.200	3.300	-9.300	0.600	28.650
40751	-6.400	9.310	-3.900	492.500	1.290	53.210	14.260	35.300	16.370	10.000	1.270	5.530	3.720	-10.900	1.130	28.180
40752	-11.600	5.910	-15.400	1258.300	-2.780	45.730	1097.190	43.700	26.710	170.000	1.110	4.080	-2.420	-37.100	3.580	34.100
40753	-6.500	5.360	-5.000	1091.700	-0.810	65.540	29.240	54.400	22.800	31.000	3.410	5.320	3.700	-11.200	2.680	39.700
40754	-4.900	30.200	354.200	1437.800	-0.650	105.010	49.110	9.400	2.160	12100.000	2.420	7.150	6.130	-9.400	2.360	59.490
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500
Method:																

RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	Lu_n ppm BECQUE INAA	Mo_n ppm BECQUE INAA	Pb ppm ANALAB GA140	Rb_n ppm BECQUE INAA	Sb_n ppm BECQUE INAA	Sc_n ppm BECQUE INAA	Se_n ppm BECQUE INAA	Sm_n ppm BECQUE INAA	Sn_n ppm BECQUE INAA	Ta_n ppm BECQUE INAA	Tb_n ppm BECQUE INAA	U_n ppm BECQUE INAA3	W_n ppm BECQUE INAA3	Yb_n ppm BECQUE INAA
40601	0.500	-4.200	7.000	68.400	-0.260	23.750	-3.800	9.630	-355.600	0.830	9.380	-1.500	-2.030	3.720
40602	0.590	-5.100	790.000	16.800	2.060	10.500	-2.700	7.220	-250.500	0.840	13.720	2.730	-1.640	3.880
40603	0.540	-4.000	350.000	72.800	0.850	29.090	-3.600	7.670	358.000	0.650	8.520	2.650	-2.540	3.850
40604	0.290	-4.200	6.000	123.100	0.560	40.140	-4.000	5.550	-389.100	-0.530	3.440	-1.570	-2.390	2.310
40605	0.400	-4.500	1090.000	92.200	1.290	29.280	-4.200	5.670	-401.100	-0.810	7.120	-1.690	-2.320	2.980
40606	0.930	-5.600	1000.000	219.500	2.660	33.700	-5.200	28.780	-472.600	-0.940	8.900	-2.070	-2.650	6.310
40607	0.520	-5.500	125.000	35.700	2.780	43.650	-5.300	10.810	-508.500	2.840	10.370	-2.140	341.920	3.550
40608	1.360	-4.000	350.000	220.200	1.410	8.860	-3.300	14.240	-301.800	1.720	13.270	-1.360	-1.590	8.690
40609	0.770	-7.200	12.000	123.300	1.720	7.300	-3.900	9.960	442.700	1.210	12.190	-1.590	-2.280	5.300
40610	1.290	-4.300	15.000	230.700	3.520	7.250	-3.600	13.990	-330.100	-0.670	11.160	-1.490	-1.710	8.530
40611	1.700	-4.700	74.000	248.700	2.130	7.320	-4.000	20.250	-356.700	1.340	11.920	-1.650	-2.280	11.500
40612	0.480	-3.700	12.000	311.400	4.190	7.360	-3.000	5.330	-278.800	1.150	11.470	-1.240	-1.510	3.150
40613	0.400	-4.200	-5.000	47.500	1.570	17.650	-3.800	5.090	-358.300	1.490	7.340	-1.560	-2.090	2.760
40614	0.470	-4.000	20.000	170.400	1.570	26.550	-3.500	6.320	378.100	0.930	9.940	-1.450	-2.150	3.220
40615	0.380	-4.400	35.000	73.900	1.100	27.960	-3.900	5.870	-374.800	1.550	9.210	-1.630	145.470	2.900
40616	0.480	-4.800	145.000	62.200	0.680	37.190	-4.400	8.180	-424.800	1.920	5.370	-1.830	-2.740	3.460
40617	0.680	-6.200	5.000	250.400	0.600	20.870	-3.600	11.910	-332.200	1.130	13.920	-1.500	-2.060	4.350
40618	0.330	-3.700	115.000	62.300	1.520	16.510	-3.300	5.410	-313.300	0.900	7.860	-1.370	-1.950	2.400
40619	0.620	-4.600	160.000	127.000	0.800	32.310	-4.100	11.430	-391.300	1.000	8.520	-1.720	-2.580	4.510
40620	0.600	-4.200	235.000	173.100	1.170	30.050	-3.700	7.430	-356.900	0.670	8.790	-1.560	-2.400	4.370
40621	0.520	-8.000	22.000	177.000	0.990	23.170	-3.200	5.330	-309.000	1.220	15.860	4.350	-2.110	3.610
40622	0.760	-6.100	11.000	195.300	0.930	22.120	-3.900	15.000	-358.600	-0.680	14.530	-1.660	-2.290	5.200
40623	0.410	-4.100	105.000	79.000	0.380	18.790	-3.800	7.480	-355.900	0.930	10.300	2.160	-2.310	3.200
40624	0.460	-4.300	-5.000	71.400	0.340	19.470	-3.400	6.900	-323.600	1.090	11.810	-1.460	-2.130	2.960
40625	0.350	-4.300	10.000	38.000	1.030	27.840	-3.800	4.150	-372.100	1.770	7.390	-1.640	-2.570	2.790
40626	0.710	-4.800	-5.000	193.000	0.790	15.530	-3.500	11.650	-316.500	1.790	20.360	2.580	-2.040	4.860
40627	0.480	-9.900	151.000	19.400	4.200	30.480	-9.000	4.810	-838.400	1.330	4.550	-4.030	5499.530	2.390
40628	0.490	-4.600	-5.000	133.400	1.710	23.940	-4.100	7.990	-384.700	1.360	11.450	-1.750	-2.620	3.360
40629	0.500	6.900	17.000	62.600	0.740	27.110	-4.300	9.310	-406.000	1.460	12.320	-1.890	61.650	3.450
40630	0.760	-4.500	20.000	128.000	0.650	17.530	-3.700	17.030	-331.300	1.060	11.770	-1.600	-2.220	5.210
40631	0.350	-3.700	56.000	179.500	0.790	23.710	-3.000	3.730	-291.200	1.470	16.560	4.770	4.300	2.540
40632	1.180	-6.400	9.000	61.900	-0.240	53.770	-5.600	21.750	-527.300	1.800	7.620	-2.450	-3.840	8.460
40633	0.420	-4.000	9.000	257.500	3.890	13.260	-3.200	9.200	-294.200	1.520	11.200	1.710	8.360	2.760
40634	0.930	-4.200	-5.000	211.100	1.800	13.390	-3.400	16.880	-315.100	1.460	11.430	-1.470	-1.970	6.320
40635	0.490	-3.500	-5.000	237.000	2.170	11.660	-3.300	7.310	-306.700	1.140	9.840	-1.120	9.670	2.620
40636	0.560	-3.700	8.000	241.600	2.150	13.150	-3.400	9.840	-321.000	1.890	10.630	1.940	-1.380	3.370
40637	1.250	-3.800	-5.000	259.800	1.700	13.000	-3.500	14.830	-323.800	1.720	10.490	-1.180	4.520	7.640
40638	0.500	-3.900	8.000	102.500	3.180	19.510	-3.900	6.140	-380.400	1.350	7.710	1.830	-1.420	2.970
40639	0.630	-4.300	36.000	178.400	0.850	33.590	-4.300	7.960	-427.300	1.720	6.040	-1.480	-1.740	4.170
40640	-0.080	18.300	166000.000	-21.800	718.680	1.030	-12.300	0.650	-1251.900	-1.180	2.730	-5.470	23.080	-0.380
40641	0.320	-4.500	297.000	272.400	5.070	32.950	-4.100	3.770	-421.800	1.110	4.800	-1.400	-1.720	2.120
40642	0.550	-4.100	83.000	65.600	1.070	28.150	-4.300	5.850	-424.100	-0.900	3.640	-1.460	4.350	3.880
40643	0.430	-3.900	58.000	119.400	0.550	22.600	-3.900	4.680	-393.900	0.970	4.730	-1.360	-1.570	2.930
40644	1.360	-4.600	35.000	208.200	4.510	19.290	-4.400	15.000	-427.900	-0.920	5.450	-1.520	-1.620	8.950
Laboratory:	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	0.200	5.000	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500
Method:														

Sample	Lu n ppm BECQUE INAA	Mo n ppm BECQUE INAA	Pb ppm ANALAB GA140	Rb n ppm BECQUE INAA	Sb n ppm BECQUE INAA	Sc n ppm BECQUE INAA	Se n ppm BECQUE INAA	Sm n ppm BECQUE INAA	Sn n ppm BECQUE INAA	Ta n ppm BECQUE INAA	Th n ppm BECQUE INAA	U n ppm BECQUE INAA3	W n ppm BECQUE INAA3	Yb n ppm BECQUE INAA
40645	0.660	-4.200	8.000	203.600	1.390	26.680	-4.400	5.310	-434.900	2.350	1.670	-1.510	-1.750	4.180
40646	0.610	-4.200	197.000	116.500	7.330	33.290	-4.200	5.780	-427.200	1.390	4.410	1.640	190.310	3.780
40647	0.330	-4.100	53.000	200.900	5.430	41.080	-4.200	4.050	-432.100	-0.640	2.730	-1.480	-1.880	2.300
40648	0.700	-4.600	800.000	55.800	3.820	24.400	-4.700	6.820	-463.600	1.990	4.490	-1.650	11.640	4.530
40649	1.310	-6.600	36.000	95.700	6.740	30.300	-5.700	24.640	-545.600	2.480	2.610	-2.470	-3.730	8.350
40650	8.170	-14.400	36.000	55.100	2.160	39.240	-12.000	203.500	-1117.700	6.160	1.890	-5.500	-7.120	50.810
40651	0.610	-5.700	7.000	38.000	0.880	35.250	-6.100	7.060	-598.700	2.220	3.670	-2.150	-2.500	3.970
40652	0.470	-4.600	9.000	96.200	1.540	29.140	-4.800	4.490	-473.600	2.320	4.080	-1.690	-2.020	3.200
40653	0.450	-4.400	39.000	178.600	1.990	35.290	-4.600	4.790	-456.000	-0.930	3.390	-1.610	-2.030	3.170
40654	1.020	-5.500	6.000	72.500	1.350	41.740	-5.600	8.540	-555.800	-1.210	4.520	-2.000	-2.450	6.770
40655	0.460	-3.300	13.000	319.900	8.210	23.670	-3.000	3.730	-307.700	1.020	8.340	1.790	-1.390	2.770
40656	0.540	-4.800	21.000	262.900	5.340	24.230	-4.200	12.580	-398.800	1.790	8.400	-1.530	5.750	3.120
40657	0.800	-4.600	9.000	301.100	3.560	30.490	-4.300	14.410	-421.600	0.750	8.940	-1.550	-1.860	5.100
40658	0.550	-4.100	26.000	263.200	8.730	31.400	-3.900	5.630	-393.200	1.000	5.500	-1.410	-2.260	3.580
40659	0.500	-4.700	-5.000	64.500	0.450	32.310	-4.800	5.150	-478.900	1.330	5.610	-1.750	-2.200	3.220
40660	0.500	-3.900	-5.000	204.400	1.110	30.480	-3.700	5.880	-376.800	-0.580	5.040	-1.360	-1.810	3.510
40661	0.600	-4.200	57.000	184.200	1.280	20.170	-3.900	7.220	-383.200	1.940	10.900	2.050	-1.720	3.910
40662	0.640	-4.100	-5.000	253.600	1.270	22.300	-3.800	7.150	-370.800	1.490	10.630	-1.400	-2.120	4.200
40663	4.820	-9.700	6.000	106.100	-0.390	34.010	-8.000	98.790	-732.600	2.690	11.150	-3.600	-4.790	30.370
40664	3.840	-12.100	10.000	148.600	-0.400	30.440	-10.100	137.650	-906.700	4.980	10.130	-4.540	-6.950	23.430
40665	0.480	-4.100	79.000	111.600	2.340	28.520	-3.800	6.730	-372.700	1.790	6.760	-1.390	-1.820	3.200
40666	2.540	-7.100	70.000	57.500	0.610	36.250	-6.500	41.340	-612.400	3.190	9.990	-2.400	-2.750	14.810
40667	0.570	-5.100	6.000	87.300	0.670	34.770	-4.900	9.830	-484.700	1.540	8.020	-1.830	-2.360	4.280
40668	0.390	-3.800	-5.000	224.100	5.570	32.100	-3.500	3.950	-359.200	0.500	4.460	-1.330	-1.880	2.720
40669	0.470	-3.800	16.000	230.600	6.420	26.350	-3.300	3.250	-338.800	0.760	8.810	-1.260	-2.180	3.120
40670	1.720	-6.400	110.000	389.500	4.330	27.290	-5.800	34.160	-550.300	1.800	8.990	-2.200	-2.490	10.580
40671	0.510	-4.700	18.000	93.800	-0.300	28.120	-4.400	6.460	-432.200	1.240	8.090	2.370	-2.150	3.560
40672	3.230	-8.300	14.000	207.700	-0.260	24.900	-9.000	54.720	-672.800	1.680	11.370	-2.750	-2.910	19.480
40673	1.650	-8.500	13.000	73.700	0.720	22.360	-7.500	27.760	-714.800	1.350	9.760	-3.440	2577.990	10.690
40674	0.600	-3.900	-5.000	296.700	7.450	23.750	-3.400	4.800	-341.600	1.040	10.010	-1.290	-1.790	4.160
40675	2.020	-6.100	207.000	141.200	3.400	30.570	-5.700	17.600	-563.000	2.010	5.300	-2.180	-2.730	12.960
40676	9.350	-12.900	37.000	-31.300	-0.520	29.050	-10.700	148.450	-995.700	3.610	1.740	-4.930	-6.280	58.470
40677	10.370	-11.000	-5.000	180.700	-0.420	28.330	-8.800	72.230	-813.500	2.240	4.060	-3.930	-5.090	62.200
40678	0.660	-4.800	-5.000	160.900	-0.340	42.530	-4.600	5.520	-464.600	1.810	3.330	-1.770	-2.590	4.400
40679	0.370	-4.800	26.000	116.600	0.500	29.310	-4.600	4.110	-464.400	2.150	3.210	-1.800	-2.480	2.540
40680	0.420	-8.700	460.000	88.400	3.200	10.300	16.800	12.120	-615.300	3.550	21.460	5.380	7.570	2.730
40681	0.700	-4.400	6.000	133.900	-0.280	28.180	-4.000	7.620	-394.400	1.180	4.460	-1.560	-2.070	4.680
40682	0.330	-3.700	22.000	270.300	3.900	26.630	-3.500	4.080	-356.200	0.650	2.630	-1.350	-1.990	2.440
40683	0.570	-4.500	250.000	129.200	4.740	32.720	-4.200	6.800	-429.900	1.480	3.280	-1.640	-2.420	3.970
40684	0.990	-4.500	58.000	13.200	1.870	28.460	-3.800	10.600	-379.300	0.610	2.830	-1.490	-2.220	7.330
40685	1.020	-4.100	23.000	-9.700	-0.190	30.760	-3.600	9.080	-362.400	0.570	3.700	-1.420	-2.170	7.190
40686	0.980	-4.000	44.000	10.400	0.500	26.560	-3.600	5.520	-357.500	-0.510	2.050	-1.400	-2.140	6.580
40687	0.780	-4.500	6.000	113.300	-0.200	20.070	-4.100	6.330	-404.600	-0.920	4.690	-1.610	-2.230	5.070
40688	0.650	-4.700	-5.000	178.000	6.730	39.020	-4.300	6.820	-433.700	0.740	3.780	-1.700	-2.600	4.220
Laboratory:	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	0.200	5.000	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500
Method:														

Sample	Lu_n ppm BECQUE INAA	Mo_n ppm BECQUE INAA	Pb ppm ANALAB GA140	Rb_n ppm BECQUE INAA	Sb_n ppm BECQUE INAA	Sc_n ppm BECQUE INAA	Se_n ppm BECQUE INAA	Sm_n ppm BECQUE INAA	Sn_n ppm BECQUE INAA	Ta_n ppm BECQUE INAA	Th_n ppm BECQUE INAA	U_n ppm BECQUE INAA3	W_n ppm BECQUE INAA3	Yb_n ppm BECQUE INAA
40689	0.400	-4.000	7.000	75.800	2.220	13.320	-3.600	4.430	409.600	1.240	7.160	2.710	4.460	2.790
40690	0.540	-4.500	-5.000	68.500	0.470	19.670	-4.200	5.400	-407.900	1.450	4.160	-1.670	-2.300	3.340
40691	0.710	-4.300	39.000	417.900	2.490	21.280	-3.600	9.350	-355.600	1.490	11.440	2.550	-2.040	4.510
40692	0.680	-4.100	-5.000	347.800	4.940	16.590	-3.500	9.910	-339.500	1.520	9.290	-1.420	-1.940	4.350
40693	0.670	-5.400	18.000	92.500	1.350	22.660	-4.800	10.560	-459.300	1.720	8.670	-1.940	-2.640	4.620
40694	0.640	-4.500	33.000	132.600	0.470	15.090	-3.600	9.940	-343.400	1.520	16.130	1.650	-2.420	4.270
40695	0.360	-4.600	-5.000	103.700	0.340	29.720	-4.200	5.280	-424.500	0.980	4.260	-1.720	-3.180	2.400
40696	2.760	-8.700	17.000	67.800	-0.290	26.300	-7.200	51.860	-673.500	-1.650	11.640	-3.180	-4.270	17.460
40697	0.490	-4.900	7.000	48.500	0.710	35.620	-4.300	5.490	-431.300	-0.680	6.200	3.480	-2.870	3.400
40698	0.320	-4.100	-5.000	32.900	0.460	27.550	-3.500	3.950	-339.800	-0.580	3.410	-1.450	-2.260	2.100
40699	0.480	-4.100	9.000	35.900	0.660	28.520	-3.500	5.330	-347.100	1.000	6.960	-1.770	-2.310	2.960
40700	0.570	-5.200	14.000	60.300	1.900	34.270	-4.300	9.840	-413.600	1.110	7.220	-1.760	-2.710	3.860
40701	0.470	-4.500	-5.000	152.000	7.620	31.010	-3.800	7.250	-388.900	0.660	6.210	-1.590	-2.550	3.550
40702	0.410	-4.200	8.000	234.600	10.350	29.170	-3.500	4.420	-360.800	0.840	7.030	-1.490	-2.410	2.910
40703	0.890	-4.800	-5.000	238.700	2.650	26.240	-4.000	16.620	-393.600	1.790	6.120	-1.690	-2.520	6.030
40704	0.360	-4.200	18.000	285.800	4.940	27.030	-3.500	5.790	-356.300	1.010	6.140	-1.480	-2.390	2.440
40705	0.370	-4.400	26.000	228.900	2.670	25.670	-3.700	7.350	-372.800	-0.580	5.290	-1.550	-2.460	2.770
40706	0.530	-4.600	13.000	195.400	1.230	32.750	-4.000	8.180	-403.000	-0.590	5.910	1.730	-2.760	3.650
40707	0.400	-4.800	-5.000	211.600	9.620	30.800	-4.100	3.900	-425.500	-0.600	5.240	1.850	-2.900	2.930
40708	0.290	-5.500	6.000	103.300	16.510	46.750	-5.000	4.160	-513.100	-0.660	4.340	2.760	-3.610	2.360
40709	0.380	-4.300	190.000	247.300	2.060	28.520	-3.500	5.580	-356.800	0.670	5.450	-1.520	-2.510	2.530
40710	0.340	-4.100	70.000	183.200	3.030	33.010	-3.600	2.830	-366.200	0.710	6.890	-1.530	-2.630	2.240
40711	0.340	-5.300	108.000	139.000	3.830	37.290	-4.500	4.850	-455.300	-0.610	4.100	-1.910	-3.210	2.630
40712	0.330	-4.400	11.000	187.900	3.660	36.370	-3.800	4.580	-386.200	0.990	6.290	1.820	-2.830	2.360
40713	0.270	-4.200	-5.000	22.300	-0.190	27.950	-3.400	2.780	-326.800	0.480	3.700	-1.450	-2.460	1.780
40714	0.230	-4.200	268.000	186.300	17.570	32.940	-3.800	4.170	-390.500	0.940	5.240	2.220	-2.450	1.720
40715	1.190	-6.900	12.000	-18.800	1.660	38.430	-6.500	26.840	-604.900	2.350	6.110	-2.490	-3.060	7.660
40716	0.670	-4.200	-5.000	161.700	5.040	31.230	-4.000	8.730	-397.900	-0.680	6.390	1.680	-2.620	4.390
40717	0.890	-5.200	9.000	91.800	3.050	26.980	-4.800	20.580	-470.600	-1.000	5.810	-1.850	-2.320	5.650
40718	0.590	-4.500	-5.000	142.000	2.520	38.230	-4.400	7.720	-435.700	1.440	6.490	-1.620	-2.200	3.720
40719	0.770	-4.400	-5.000	148.800	4.320	14.650	-4.100	9.680	-383.500	1.970	11.430	-1.510	-2.050	4.670
40720	-0.080	-13.200	184000.000	-23.300	688.140	0.920	-13.300	0.690	-1345.700	1.530	2.210	-5.520	23.060	-0.390
40721	0.410	-3.800	-5.000	122.700	-0.190	42.850	-4.100	3.330	-401.000	1.610	3.980	-1.380	-1.650	2.710
40722	0.350	-3.900	6.000	53.100	-0.190	38.990	-4.200	3.040	-409.000	-0.790	4.210	-1.420	-1.660	2.240
40723	0.160	-4.800	9.000	51.200	0.470	38.570	-5.300	3.590	-511.100	3.010	2.730	-1.820	-1.990	1.650
40724	0.520	-6.400	31.000	96.300	3.160	4.870	-3.300	8.530	-232.400	1.270	19.130	3.450	-0.970	3.320
40725	0.310	-3.300	26.000	33.800	2.070	20.840	-3.300	4.600	-315.700	1.840	6.530	1.500	-1.260	2.410
40726	0.500	-4.600	6.000	67.400	0.710	33.840	-4.900	6.760	-461.100	1.550	6.670	-1.680	-1.840	3.680
40727	0.360	-3.900	31.000	82.200	3.260	28.260	-4.000	5.100	-389.500	1.240	6.740	-1.410	-1.570	2.650
40728	0.350	-3.800	14.000	80.000	1.730	27.970	-4.000	4.990	-383.000	1.360	5.820	-1.390	-1.580	2.700
40729	0.560	-3.500	-5.000	295.000	3.830	23.330	-3.400	5.430	-334.100	1.880	7.530	1.410	-1.360	3.980
40730	0.440	-3.500	43.000	90.000	3.800	35.230	-3.500	3.540	-345.700	1.290	2.900	-1.220	-1.480	2.750
40731	0.790	-3.700	189.000	145.000	2.510	30.260	-3.700	8.630	-358.800	0.710	2.320	-1.290	-1.510	5.500
40732	0.350	-4.500	26.000	87.400	2.820	25.770	-4.700	5.110	-447.400	1.180	5.430	-1.660	-1.800	2.510
Laboratory:	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	0.200	5.000	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500
Method:														

Sample	Lu n ppm BECQUE INAA	Mo n ppm BECQUE INAA	Pb ppm ANALAB GA140	Rb n ppm BECQUE INAA	Sb n ppm BECQUE INAA	Sc n ppm BECQUE INAA	Se n ppm BECQUE INAA	Sm n ppm BECQUE INAA	Sn n ppm BECQUE INAA	Ta n ppm BECQUE INAA	Tb n ppm BECQUE INAA	U n ppm BECQUE INAA3	W n ppm BECQUE INAA3	Yb n ppm BECQUE INAA
40733	0.360	-4.000	13.000	119.800	0.860	13.950	-4.100	5.260	-388.700	1.590	7.410	-1.470	6.950	2.550
40734	0.520	-3.500	20.000	193.300	4.480	20.290	-3.400	9.370	-319.800	0.710	7.340	1.970	-1.640	3.500
40735	0.480	-3.900	11.000	226.100	2.210	21.260	-3.900	14.450	-358.900	1.210	7.270	-1.380	-1.820	3.360
40736	0.730	-4.000	23.000	101.800	0.690	27.680	-4.000	13.150	-371.500	1.700	7.380	-1.420	-1.610	5.100
40737	2.030	-8.600	-5.000	99.200	1.740	47.330	-7.800	80.660	779.400	2.820	15.330	-3.350	-4.180	13.580
40738	0.670	-4.100	6.000	161.600	0.830	23.850	-3.900	14.130	-361.200	0.970	11.830	-1.410	-1.540	4.300
40739	0.450	-3.900	16.000	143.700	0.790	22.890	-3.800	8.220	-372.200	-0.740	13.320	2.700	-1.800	2.920
40740	0.420	-4.200	18.000	78.500	1.700	16.780	-4.300	5.080	-410.000	1.320	9.420	2.640	314.540	2.420
40741	0.390	-4.900	30.000	177.600	1.290	32.610	-4.700	15.670	-445.600	1.310	24.140	3.190	-2.250	2.390
40742	0.290	-5.300	10.000	264.500	0.530	26.890	-5.200	13.450	-487.800	2.520	26.650	3.560	3.580	2.040
40743	0.360	-5.700	255.000	304.900	0.810	28.290	-5.400	15.500	-502.500	1.370	34.000	7.270	4.960	2.560
40744	0.330	-4.900	21.000	275.200	1.050	27.610	-4.600	13.180	-436.100	0.990	27.550	3.480	-2.140	2.170
40745	0.340	-5.500	19.000	314.300	0.860	18.400	-5.300	15.450	-488.200	1.660	36.890	3.130	-2.250	2.390
40746	0.330	-5.400	26.000	174.900	0.570	29.460	-5.200	12.400	-493.300	2.930	27.410	5.380	-2.000	2.080
40747	0.330	-3.900	50.000	392.100	1.210	24.410	-3.600	7.480	-357.600	-0.630	13.470	-1.310	-1.850	2.300
40748	0.230	-4.100	40.000	99.300	2.160	19.950	-3.800	10.790	-363.700	1.390	18.120	4.520	11.170	1.630
40749	0.310	-5.700	17.000	224.600	0.750	27.290	-5.400	14.200	-511.800	-1.240	27.940	3.240	-2.090	2.100
40750	0.430	-3.500	120.000	38.900	0.950	19.630	-3.300	5.160	-318.700	-0.650	7.300	2.310	-1.380	2.590
40751	0.380	-3.900	28.000	60.500	1.340	16.910	-3.800	5.370	-369.700	2.620	7.490	-1.360	-1.540	2.550
40752	0.660	-13.300	17.000	160.400	1.880	32.580	-13.300	5.630	-1227.100	3.110	7.600	-5.440	9313.120	3.810
40753	1.030	-4.100	13.000	167.500	0.950	25.700	-3.900	13.740	-385.200	1.720	7.630	2.070	-1.700	7.020
40754	0.550	63.700	24.000	83.500	2.400	9.160	24.700	7.830	-327.100	0.980	14.000	8.170	22.080	3.550
Laboratory:	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	0.200	5.000	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500
Method:														

APPENDIX 2

Beulah Rock Chip Geochemistry

RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	High graded	Sample kind	Rock spare field	Rock type	Alteration /weatherin	Ore minerals	Vein minerals
22766	5,408,625.0	450,600.0	/ /					RC		MBAR			
22767	5,410,440.0	450,440.0	/ /					RC		LAVA	BLWT		
22768	5,410,860.0	449,960.0	/ /					RC		LAVA			
22769	5,410,760.0	447,975.0	/ /					RC		GRDR			
22770	5,411,960.0	448,220.0	/ /					RC		VLCC	WTHE		
22771	5,413,080.0	448,690.0	/ /					RC		LAVA			
27746	5,410,440.0	450,440.0	/ /					RC		VLCC	HE		
27747			/ /					RC					
34901	5,410,902.4	449,986.1	29/07/93	MJV	5533	AMG		RC		LAEF	HEMS		
34902	5,410,287.7	450,099.1	29/07/93	MJV	5533	AMG		RC		LAFH	HE		
34903	5,411,801.3	450,278.3	29/07/93	MJV	5533	AMG		RC		LAEF		PY	
34904	5,411,856.3	450,332.3	29/07/93	MJV	5533	AMG		RC		VAEC	HE		
34905	5,411,731.5	449,887.4	29/07/93	MJV	5533	AMG		RC		LAFH	HECL	PY	CB
34906	5,411,544.5	450,435.1	29/07/93	MJV	5533	AMG		RC		LAF	SI	PY	QZ
34907	5,411,042.7	450,220.9	29/07/93	MJV	5533	AMG		RC		LAER	SIHE		
34908	5,410,876.2	450,214.0	29/07/93	MJV	5533	AMG		RC		LAF	SI		
34909	5,409,685.8	451,069.4	29/07/93	MJV	5533	AMG		RC		LAFH	HEMS		
34910	5,409,482.3	451,217.5	29/07/93	MJV	5533	AMG		RC		LABR	HECL		
34911	5,408,520.0	450,773.0	29/07/93	MJV	5533	AMG		RC		LABR	MSWT		
34912	5,409,458.8	449,430.2	29/07/93	MJV	5533	AMG		RC		LAFH		PY	
34913	5,409,409.9	449,492.5	29/07/93	MJV	5533	AMG		RC		LAFH	HEMS		
34914			29/07/93	MJV	5533	AMG		RC		QZVN	HE		QZ
34915	5,409,648.0	451,170.0	29/07/93	MJV	5533	AMG		RC		QZVN	EP		
34916	5,409,659.0	451,170.0	29/07/93	MJV	5533	AMG		RC		ROCK	EPQZ		QZ
34917	5,411,063.6	450,698.9	29/07/93	MJV	5533	AMG		RC		VABR			
34918	5,411,852.9	448,541.6	29/07/93	MJV	5533	AMG		RC		VIC			
34919	5,411,682.1	448,195.3	29/07/93	MJV	5533	AMG		RC		LAFH		PY	
34920	5,411,477.1	448,446.1	29/07/93	MJV	5533	AMG		RC		LAF	EPHE		
34921	5,408,626.4	450,193.3	29/07/93	MJV	5533	AMG		RC		GWAC			HE
34922	5,408,710.0	450,710.0	29/07/93	MJV	5533	AMG		RC		LAF	WT		
34923	5,408,710.0	450,715.0	29/07/93	MJV	5533	AMG		RC		BAR			
34924	5,408,593.0	450,613.0	29/07/93	MJV	5533	AMG		RC		VC			
34925	5,408,575.0	450,619.0	29/07/93	MJV	5533	AMG		RC		LAF			
34926	5,408,590.0	450,695.0	29/07/93	MJV	5533	AMG		RC		LAF	MSSI		
34927	5,408,595.0	450,695.0	29/07/93	MJV	5533	AMG		RC		BAR			SX
34928	5,408,600.0	450,695.0	29/07/93	MJV	5533	AMG		RC		LAFH			
34929	5,408,825.0	450,120.0	29/07/93	MJV	5533	AMG		RC		LAFH	HEMS		
34930	5,408,808.0	450,988.0	29/07/93	MJV	5533	AMG		RC		LAE			
34931	5,412,234.0	448,790.0	29/07/93	MJV	5533	AMG		RC		LAF			
34932	5,412,965.0	448,535.0	29/07/93	MJV	5533	AMG		RC		LAFH	CLEP		
36901	5,409,595.2	447,966.4	14/01/93	SH	5534			RC		SILT			
36902	5,409,579.7	447,968.7	14/01/93	SH	5534			RC		ANDS			QZCH
36903	5,409,565.4	447,962.8	14/01/93	SH	5534			RC		ANDS			
36904	5,409,550.8	448,405.2	14/01/93	SH	5534			RC		VIQF			
36905	5,409,500.5	448,633.3	14/01/93	SH	5534			RC		GWAC			

Laboratory:
Detection Limit:
Method:

Sample	TNorth	TEast	Date collected	Sampler(s)	Project code	Grid	High graded	Sample kind	Rock spare field	Rock type	Alteration Ore /weatherin minerals	Vein minerals
36906	5,409,765.1	448,533.2	14/01/93	SH	5534			RC		ANDS		
36907	5,410,255.2	448,334.8	14/01/93	SH	5534			RC		ANDS	BPQZ	
36908	5,410,953.5	448,375.3	14/01/93	SH	5534			RC		ANDS		
36909	5,411,149.5	448,767.7	14/01/93	SH	5534			RC		ANDS	BPQZ	
36910	5,410,016.7	448,736.6	14/01/93	SH	5534			RC		ANDS	BPQZ	
36911	5,410,059.6	448,876.5	14/01/93	SH	5534			RC		ANDS	BPQZ	
36912	5,410,238.5	449,325.9	14/01/93	SH	5534			RC		ANDS	MSLI	
36913	5,410,185.1	449,350.1	20/01/93	SH	5534			RC		ANDS	MSLI	
36914	5,410,149.7	449,363.9	19/01/93	SH	5534			RC		ANDS	MSQZLI	
36915	5,410,116.5	449,335.0	19/01/93	SH	5534			RC		ANDS	MSHM	
36916	5,410,011.7	449,316.1	20/01/93	SH	5534			RC		ANDS	MSLI	
36917	5,409,923.2	449,629.2	19/01/93	SH	5534			RC		ANDS	MS	
36918	5,409,987.5	449,750.8	19/01/93	SH	5534			RC		ANDS	BPQZ	
36919	5,409,168.9	449,169.7	26/01/93	SH	5534			RC		ANDS		

Laboratory:
Detection Limit:
Method:

986047

RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	Ag n ppm BECQUE INAA	As n ppm BECQUE INAA	Au n ppb BECQUE INAA	Ba n ppm BECQUE INAA	Br n ppm BECQUE INAA	Ce n ppm BECQUE INAA	Co n ppm BECQUE INAA	Cr n ppm BECQUE INAA	Cs n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu n ppm BECQUE INAA	Fe n % BECQUE INAA30	Hf n ppm BECQUE INAA	Ir n ppb BECQUE INAA	K n % BECQUE INAA30	La n ppm BECQUE INAA	Lu n ppm BECQUE INAA	Mo n ppm BECQUE INAA	Na n % BECQUE INAA30
22766																			
22767																			
22768																			
22769																			
22770																			
22771																			
27746																			
27747																			
34901	-5.500	10.030	-3.400	881.400	1.260	43.880	23.680	115.800	21.090	22.000	0.930	6.260	4.150	-10.000	3.150	18.590	0.440	-3.400	0.270
34902	-6.300	5.250	-4.200	1402.000	0.810	57.080	26.490	97.200	14.300	65.000	0.950	5.290	3.240	-12.100	2.560	26.110	0.380	-4.200	2.280
34903	-5.700	2.120	-4.000	1294.900	0.910	99.620	11.600	12.900	4.230	115.000	1.890	3.020	6.310	-11.500	2.890	44.610	0.530	-4.200	2.520
34904	-6.800	4.550	-4.700	1055.400	4.420	96.910	13.080	46.400	3.100	37.000	1.280	4.120	4.440	-13.700	2.620	50.020	0.410	-4.900	3.580
34905	-6.500	6.980	-4.200	1011.900	-0.800	46.420	30.650	83.000	5.100	26.000	1.190	5.300	3.040	-12.100	1.530	21.440	0.340	-4.100	1.680
34906	-3.200	13.420	-2.500	974.700	3.900	16.280	27.510	43.100	1.610	105.000	0.240	5.440	4.510	-5.700	0.280	7.250	0.240	5.800	0.060
34907	-3.400	24.630	-2.400	245.900	1.360	45.280	1.140	25.900	2.850	13.000	1.030	3.060	4.690	-6.700	0.620	23.270	0.310	-2.700	0.130
34908	-1.900	8.970	-1.500	-29.500	1.090	4.570	0.520	17.300	0.590	20.000	0.400	1.160	4.340	-3.500	0.050	1.150	0.110	1.300	0.030
34909	-6.600	3.220	-5.200	693.200	1.280	86.210	62.110	108.100	11.690	14.000	1.800	9.410	3.980	-12.100	2.270	42.420	0.450	-4.300	0.040
34910	-8.300	7.550	-5.600	1654.400	-1.060	109.700	36.690	45.700	7.960	23.000	1.990	7.090	3.760	-15.900	2.470	50.780	0.280	-5.500	3.090
34911	-4.400	3.220	-3.900	1038.400	-0.600	75.620	63.940	25.200	16.260	44.000	1.350	4.660	4.790	-9.000	2.730	55.370	0.540	-3.500	0.350
34912	-6.600	7.480	-4.300	1020.700	-0.830	49.140	29.010	108.100	4.560	19.000	1.190	6.000	3.020	-12.400	1.120	22.310	0.410	-4.300	2.130
34913	-4.500	4.680	-3.700	285.700	0.680	36.900	13.190	25.500	16.750	100.000	1.800	8.840	3.470	-8.300	3.240	28.050	0.410	-3.100	0.050
34914	-1.100	0.250	-0.900	-17.400	0.270	1.980	0.720	8.700	0.390	11.000	0.180	0.840	0.150	-2.000	0.080	1.350	0.040	-1.200	0.010
34915	-1.600	0.990	-1.100	-25.300	2.530	4.760	1.510	17.200	1.620	13.000	0.380	1.650	-0.080	-3.000	0.060	4.360	0.030	2.500	0.010
34916	-7.200	5.060	-6.700	126.200	1.920	131.650	2.700	40.600	14.130	20.000	4.460	7.410	3.130	-14.600	-0.210	118.950	0.560	-5.400	0.010
34917	-6.000	6.080	-4.200	1398.800	2.400	82.300	13.860	39.000	7.670	58.000	1.290	4.080	5.340	-11.800	2.270	40.210	0.370	-4.400	2.970
34918	-6.100	4.830	-4.200	725.800	1.010	71.090	20.860	64.700	0.830	13.000	1.860	5.860	4.090	-11.800	1.190	37.510	0.480	-4.300	2.340
34919	-6.400	5.920	-4.400	1830.800	-0.850	82.670	16.520	23.600	4.130	21.000	1.540	4.900	5.220	-12.000	3.010	38.290	0.450	-4.400	2.210
34920	-4.600	21.060	-2.900	72.700	1.730	20.890	9.880	6.400	-0.560	15.000	0.890	6.500	1.510	-8.000	-0.080	6.300	0.330	-2.800	0.040
34921	-6.900	1127.610	-5.800	978.500	3.590	38.530	21.420	1494.900	6.060	99.000	1.360	7.620	2.430	-14.700	2.040	26.160	0.570	-5.700	0.080
34922	-3.700	3.300	-3.400	1615.500	1.350	37.550	-0.390	84.300	12.680	17.000	0.730	0.460	3.450	-7.400	1.390	18.940	0.260	-2.800	0.550
34923	-2.200	-1.140	-7.000	470765.700	-0.970	4.630	11.660	6.600	1.120	25.000	-0.080	0.250	2.580	-13.500	0.280	1.270	-0.060	32.700	0.020
34924	-5.300	4.950	-3.600	8939.600	1.550	45.510	4.330	64.100	10.220	12.000	1.070	0.920	4.610	-9.900	1.800	20.720	0.260	-3.500	0.270
34925	-2.500	12.830	-2.300	10275.400	0.850	76.800	0.790	7.800	11.620	14.000	0.330	1.040	4.370	-6.000	1.820	39.400	0.420	-10.900	0.260
34926	-4.800	1.690	-3.300	4527.100	-0.660	39.510	23.010	66.700	17.840	10.000	0.840	4.950	2.630	-9.000	1.980	19.270	0.310	-3.400	0.590
34927	26.700	61.220	-10.800	571983.800	-1.510	-4.380	4.470	-7.800	0.880	1070.000	-0.220	0.330	4.230	-19.200	3.040	-1.030	-0.070	-12.100	0.020
34928	-5.000	2.570	-3.700	26807.000	-0.700	34.630	23.440	64.600	17.200	32.000	0.620	5.570	2.650	-9.700	1.150	15.990	0.310	-3.800	0.840
34929	-5.500	2.290	-3.600	901.900	1.360	15.280	15.370	84.100	12.150	31.000	0.750	8.630	3.380	-9.900	1.640	15.300	0.320	-3.400	0.060
34930	-5.000	8.120	-3.600	733.500	-0.700	49.150	18.920	9.400	23.170	18.000	1.150	5.340	3.110	-9.500	1.900	20.870	0.440	-3.500	1.990
34931	-6.700	1.840	-4.500	1559.500	1.410	30.950	44.960	58.900	6.400	28.000	0.960	7.550	1.680	-12.200	1.640	13.160	0.350	-4.200	2.300
34932	-5.500	3.530	-3.900	1158.600	-0.790	84.800	21.840	28.900	1.220	27.000	1.770	5.560	5.510	-10.500	1.800	38.720	0.470	-4.100	1.690
36901	-8.000	10.280	-9.400	584.400	-1.550	120.840	101.320	624.900	2.270	125.000	8.080	5.750	4.290	-15.400	-0.750	231.640	2.070	-7.100	0.020
36902	-3.700	1.040	5.900	928.100	1.780	43.890	15.890	4.200	-0.510	13.000	0.580	3.210	3.350	-7.200	2.310	15.210	0.220	-3.000	2.120
36903	-4.900	3.490	-3.700	1164.800	0.990	62.440	7.140	6.300	1.670	12.000	0.970	3.660	4.310	-9.600	2.720	32.580	0.330	-3.900	3.770
36904	-5.700	2.040	-4.200	1591.100	1.980	46.050	6.890	8.800	2.200	19.000	1.290	3.260	6.790	-10.800	1.220	19.470	0.320	-4.100	4.210
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500	0.200	5.000	0.050
Method:																			

986048

RGC Exploration Pty Ltd
GEOCHEM Data Management System
Project: TASMANIA PROJECTS

Sample	Ag n ppm BECQUE INAA	As n ppm BECQUE INAA	Au n ppb BECQUE INAA	Ba n ppm BECQUE INAA	Br n ppm BECQUE INAA	Ce n ppm BECQUE INAA	Co n ppm BECQUE INAA	Cr n ppm BECQUE INAA	Cs n ppm BECQUE INAA	Cu ppm ANALAB GA140	Eu n ppm BECQUE INAA	Fe n % BECQUE INAA30	Hf n ppm BECQUE INAA	Ir n ppb BECQUE INAA	K n % BECQUE INAA30	La n ppm BECQUE INAA	Lu n ppm BECQUE INAA	Mo n ppm BECQUE INAA	Na n % BECQUE INAA30
36905	-4.800	2.060	-4.000	706.000	2.580	35.510	3.950	391.000	11.100	15.000	0.690	7.170	4.550	-8.600	2.660	15.130	0.330	-3.300	0.070
36906	-6.700	6.600	-4.700	429.600	1.030	46.180	27.520	70.300	2.540	26.000	1.120	6.860	3.450	-12.500	0.630	22.210	0.440	-4.600	3.550
36907	-4.500	7.410	5.400	-69.700	1.010	32.980	4.180	35.600	0.790	12.000	0.990	6.900	3.320	-8.100	-0.120	19.220	0.470	-3.100	0.040
36908	-5.800	9.020	-4.300	988.400	1.960	66.880	20.970	19.900	10.970	29.000	1.740	5.830	6.150	-11.300	3.230	59.320	0.560	-4.400	1.200
36909	-6.000	11.770	-3.900	191.400	1.130	51.860	49.020	30.100	-0.720	41.000	0.800	7.870	2.760	-10.500	0.150	7.290	0.270	-3.600	0.030
36910	-4.700	1.680	-3.200	88.600	3.770	31.260	5.010	12.800	-0.580	17.000	1.190	7.830	2.430	-8.300	-0.110	12.170	0.460	-3.200	0.010
36911	-4.900	20.790	-3.400	-77.400	-0.720	34.680	8.340	41.400	2.950	14.000	1.410	7.790	1.650	-9.000	-0.140	22.940	0.390	-3.400	0.020
36912	-5.400	8.670	-3.800	701.400	0.910	35.890	16.770	25.700	12.670	20.000	0.950	7.360	4.560	-9.700	4.500	24.470	0.510	-3.600	0.040
36913	-6.100	79.380	-4.900	451.400	1.190	41.900	30.920	10.800	9.860	73.000	1.390	20.330	3.150	-10.500	2.420	16.430	0.320	5.500	0.050
36914	-4.600	12.870	-3.800	766.900	1.330	34.110	57.420	17.000	12.100	28.000	0.830	5.050	4.140	-8.400	3.720	14.070	0.370	4.000	0.050
36915	-3.900	8.490	-3.200	196.200	0.830	20.190	6.760	15.000	7.180	23.000	0.490	6.690	1.920	-6.900	1.490	7.090	0.190	-3.000	0.030
36916	-5.900	7.930	-5.100	113.000	1.150	24.210	34.970	83.900	8.220	29.000	1.250	8.960	1.920	-10.400	1.240	6.960	0.190	-3.600	0.030
36917	-5.800	7.430	-4.200	362.600	-0.880	68.810	20.900	29.000	19.690	7.000	1.140	9.730	4.820	-10.600	3.470	31.570	0.450	-4.000	0.030
36918	-5.800	5.320	-5.300	1222.000	4.530	73.650	24.510	90.600	9.480	12.000	1.210	5.400	4.760	-11.100	2.440	30.800	0.460	-4.400	2.040
36919	-6.600	6.260	-5.800	526.300	-1.000	48.090	28.820	75.700	2.020	9.000	2.040	7.160	2.940	-12.200	0.640	33.900	0.670	-4.600	2.140
Laboratory:	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE
Detection Limit:	5.000	2.000	5.000	100.00	2.000	2.000	1.000	5.000	1.000	5.000	0.500	0.050	1.000	0.000	0.200	0.500	0.200	5.000	0.050
Method:																			

Sample	Pb ppm ANALAB GA140	Rb n ppm BECQUE INAA	Sb n ppm BECQUE INAA	Sc n ppm BECQUE INAA	Se n ppm BECQUE INAA	Sm n ppm BECQUE INAA	Sn n ppm BECQUE INAA	Ta n ppm BECQUE INAA	Tb n ppm BECQUE INAA	U n ppm BECQUE INAA3	W n ppm BECQUE INAA3	Yb n ppm BECQUE INAA	Zn ppm ANALAB GA140	Zn n ppm BECQUE INAA	BECQUE Zr ppmINAA30
22766															
22767															
22768															
22769															
22770															
22771															
27746															
27747															
34901	59.000	224.100	4.310	27.460	-3.500	3.760	-343.200	0.980	8.720	1.970	-1.330	2.660	175.000	230.000	-192.400
34902	-5.000	93.300	0.490	22.970	-4.400	5.900	-413.700	3.150	7.210	-1.490	-1.500	2.600	148.000	207.000	-230.800
34903	-5.000	116.100	0.260	12.190	-4.400	8.750	-396.900	2.250	13.230	-1.490	-1.350	3.270	73.000	108.200	182.900
34904	-5.000	88.400	-0.200	13.900	-5.200	7.870	-469.800	-1.350	15.140	-1.760	-1.620	2.750	56.000	126.700	-257.500
34905	-5.000	68.800	0.350	31.520	-4.300	5.020	-410.300	1.820	5.150	-1.470	-1.600	2.680	77.000	149.900	-232.100
34906	40.000	16.800	0.560	7.450	-2.600	1.760	-194.500	0.910	6.190	3.290	1.750	1.660	40.000	73.300	272.000
34907	44.000	25.300	3.830	11.640	-3.000	5.020	-233.300	1.050	5.030	-0.850	-0.900	2.160	19.000	52.700	372.900
34908	-5.000	6.100	1.210	3.760	-1.300	1.620	-119.600	0.860	1.540	0.880	2.630	0.900	26.000	50.700	120.500
34909	-5.000	149.900	1.340	38.630	-4.300	9.610	-409.600	1.170	15.110	-1.830	-1.710	3.110	205.000	251.300	365.500
34910	8.000	109.500	0.760	35.080	-5.800	10.530	-543.500	2.350	15.590	-2.030	-2.120	2.300	88.000	152.700	-302.700
34911	15.000	146.800	3.490	12.870	-4.100	6.850	-306.000	1.940	10.500	-1.170	-1.410	3.350	125.000	138.900	148.200
34912	840.000	45.700	1.260	29.720	-4.400	5.530	-420.700	-0.970	6.160	-1.540	-1.710	2.790	530.000	596.000	357.200
34913	10.000	213.300	6.700	14.520	-3.000	7.620	-283.500	1.210	7.240	-1.050	2.930	2.670	245.000	259.500	-158.200
34914	-5.000	2.500	0.150	0.680	-0.800	0.380	-71.100	-0.110	0.300	-0.270	-0.270	0.260	18.000	39.000	-37.900
34915	10.000	5.400	0.570	1.550	-1.100	1.130	-103.600	-0.170	0.320	-0.400	-0.410	0.290	18.000	41.000	-56.000
34916	110.000	20.200	3.190	39.610	-5.400	24.660	-494.800	-0.960	13.470	-1.920	-2.040	3.600	48.000	140.000	238.100
34917	15.000	107.700	0.540	14.830	-4.400	6.830	-407.900	2.660	14.190	3.560	-1.950	2.720	83.000	158.900	-225.400
34918	21.000	49.700	0.370	19.770	-4.300	7.600	-402.500	-1.010	7.800	-1.540	-2.040	3.360	105.000	138.000	495.200
34919	27.000	117.600	0.310	23.180	-4.400	7.770	-412.200	2.200	10.110	-1.960	-1.720	3.060	135.000	213.700	-229.800
34920	190.000	-7.100	2.210	21.580	-2.700	2.650	-270.500	-0.310	2.270	-0.980	-1.260	2.490	76.000	120.000	199.400
34921	390.000	94.900	65.080	38.510	-5.700	6.950	-568.700	-0.670	6.310	-2.060	-1.960	3.320	2220.000	2042.200	-242.800
34922	-5.000	85.200	12.530	17.090	-2.700	3.070	-260.200	1.290	5.540	-0.980	-1.130	1.630	26.000	60.400	185.500
34923	-5.000	-4.000	74.540	1.720	-7.600	-0.060	722.700	-0.230	-0.610	-3.990	-1.670	-0.170	19.000	39.400	-106.300
34924	100.000	113.800	8.630	35.590	-3.500	3.990	-337.500	1.440	7.410	-1.280	-1.610	1.820	33.000	102.800	-184.800
34925	51.000	103.200	6.790	3.430	-2.500	3.870	-215.800	1.360	35.970	5.940	-0.760	2.620	150.000	180.800	206.000
34926	8.000	150.200	7.380	21.700	-3.200	4.200	-309.700	1.330	5.270	-1.420	-1.410	2.240	92.000	128.000	-169.900
34927	-5.000	7.900	559.310	0.360	-9.900	-0.070	-878.600	-0.580	-0.810	-4.660	7.020	-0.260	91.000	106.800	-154.000
34928	-5.000	94.400	15.700	21.190	-3.600	3.550	-339.900	1.960	4.650	-1.390	-1.490	1.940	130.000	170.700	-180.100
34929	15.000	120.400	1.440	31.950	-3.400	2.820	-330.300	0.830	5.890	1.330	-1.670	2.590	130.000	194.800	-191.200
34930	15.000	139.600	1.810	14.370	-3.400	5.420	-326.600	-0.790	5.480	-1.270	-1.450	3.050	100.000	131.100	-181.900
34931	14.000	75.900	0.710	35.400	-4.300	3.710	-413.600	-0.850	3.140	-1.580	-2.000	2.360	110.000	189.900	-237.200
34932	-5.000	57.100	0.320	22.140	-3.800	8.170	-358.000	2.330	10.450	-1.430	-1.680	3.210	83.000	122.100	-201.100
36901	17.000	33.100	1.690	27.020	-5.900	39.670	-538.900	-1.170	7.120	-2.670	-3.680	12.720	185.000	292.900	400.100
36902	20.000	70.400	0.270	2.440	-2.700	2.550	-248.000	0.750	7.920	-1.020	2.130	1.500	57.000	98.400	171.400
36903	34.000	92.500	0.340	2.700	-3.700	4.560	-335.300	-1.030	10.580	2.360	-1.390	2.180	180.000	219.500	178.700
36904	180.000	100.600	-0.250	12.370	-4.000	4.510	-377.100	1.550	8.160	-1.530	-1.700	2.090	280.000	318.000	408.500
Laboratory:	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE
Detection Limit:	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500	5.000	100.00	100.00
Method:															INAA30

Sample	Pb ppm ANALAB GA140	Rb_n ppm BECQUE INAA	Sb_n ppm BECQUE INAA	Sc_n ppm BECQUE INAA	Se_n ppm BECQUE INAA	Sm_n ppm BECQUE INAA	Sn_n ppm BECQUE INAA	Ta_n ppm BECQUE INAA	Th_n ppm BECQUE INAA	U_n ppm BECQUE INAA3	W_n ppm BECQUE INAA3	Yb_n ppm BECQUE INAA	Zn ppm ANALAB GA140	Zn_n ppm BECQUE INAA	BECQUE Zr ppmINAA30
36905	9.000	171.200	2.490	22.620	-3.000	2.820	-291.500	1.450	10.390	3.670	-1.870	2.270	105.000	145.100	-167.700
36906	920.000	18.600	1.270	24.230	-4.500	5.550	-426.600	1.370	5.660	-1.700	-2.060	3.180	880.000	926.700	-243.000
36907	59.000	14.900	0.970	19.610	-2.800	4.930	-273.200	-0.410	6.030	-1.060	-1.440	3.380	47.000	83.700	279.600
36908	125.000	206.700	1.890	25.500	-4.100	9.500	-383.900	1.510	11.570	-1.570	-1.910	3.690	295.000	356.900	243.100
36909	720.000	-8.800	3.330	38.380	-3.500	2.490	-350.200	0.850	4.740	-1.330	-1.960	2.180	145.000	218.600	-204.400
36910	65.000	7.600	2.620	22.370	-2.900	4.130	-280.600	0.360	3.200	-1.090	-1.550	3.380	34.000	78.000	-163.400
36911	210.000	8.900	8.310	23.180	-3.100	4.900	-306.700	0.740	2.820	-1.190	-1.620	2.950	43.000	76.100	229.600
36912	7.000	299.100	7.580	27.640	-3.400	4.090	-331.400	1.540	8.610	-1.310	-1.810	3.350	175.000	232.000	202.200
36913	8.000	179.300	7.450	21.240	-3.700	4.020	-360.700	1.030	5.740	-1.420	-1.910	2.590	190.000	226.900	-212.800
36914	6.000	245.600	10.560	20.650	-2.900	3.170	-288.500	1.110	8.430	-1.330	-2.920	2.820	72.000	115.400	-163.700
36915	6.000	118.500	17.280	12.450	-2.400	1.600	-243.600	-0.280	3.560	-1.110	-1.930	1.360	38.000	66.200	-135.600
36916	40.000	95.100	11.840	31.770	-3.500	1.960	-354.000	1.290	2.990	-1.370	-2.020	1.470	56.000	109.200	-202.400
36917	-5.000	270.600	7.040	26.960	-3.700	5.400	-363.300	1.720	9.340	-1.470	-2.000	3.410	125.000	176.100	311.500
36918	5.000	119.400	2.240	20.290	-4.000	5.370	-377.600	1.880	11.710	-1.580	-2.010	3.020	99.000	159.700	326.200
36919	-5.000	35.900	1.960	25.960	-4.400	8.070	-415.000	0.890	5.010	-1.710	-2.270	4.800	145.000	224.900	-235.100

Laboratory:	ANALAB	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	BECQUE	ANALAB	BECQUE	BECQUE
Detection Limit:	5.000	0.000	0.200	5.000	5.000	0.200	500.00	1.000	0.500	2.000	2.000	0.500	5.000	100.00	100.00
Method:															INAA30

APPENDIX 3

CSIRO Report on Strontium Isotope Composition of Beulah Barite

Sirotope

CSIRO
AUSTRALIA

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Institute of Minerals, Energy and Construction
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Chief: Dr. B.E. Hobbs

REPORT TO RGC EXPLORATION PTY LTD

ON THE ISOTOPIC COMPOSITION OF STRONTIUM

IN BARITE FROM THE MOUNT READ VOLCANICS,

EAST OF HELLYER

REPORT SR 242

DAVID J WHITFORD
STEPHEN J CRAVEN

AUGUST 1992

INTRODUCTION

Following discussions with Scott Halley, a sample of barite was analysed for Sr isotopic composition. The sample was from a prospect with low-grade disseminated base metal mineralization about 50 km east of Hellyer in the Mount Read Volcanics.

The isotopic analysis was undertaken in an attempt to constrain the metallogenic association of the barite. Further west in the Mount Read Volcanics, there is a suggestion that barites related to Cambrian mineralization can be distinguished from those related to Devonian plutonism (Whitford et al., 1992).

METHODS

Analytical techniques were similar to those described by Whitford et al. (1992). The procedure was miniaturised with only 20 mg of sample being dissolved in 5 ml 0.1M HCl in the presence of 1 g of cation resin.

The isotopic composition was measured using a VG 354 Sector thermal ionisation mass spectrometer fitted with seven collectors. The analyses were performed in dynamic mode with an ^{88}Sr beam of 10^{-11} amp. Replicate analyses of the standard reference material NBS987 measured in the interval during which the barite was analysed yielded an $^{87}Sr/^{86}Sr$ ratio of 0.710244 ± 0.0026%.

RESULTS

Analytical results are listed in Table 1 together with relevant normalization and standardization data.

Table 1. Sr Isotope Results

Sample	$^{87}Sr/^{86}Sr$	2σ(mean)
T22766	0.710872	0.0032%

$^{87}Sr/^{86}Sr$ normalized to $^{86}Sr/^{88}Sr = 0.1194$
NBS987 $^{87}Sr/^{86}Sr = 0.710244 \pm 0.0026\%$ (2σ population, n = 85)

DISCUSSION

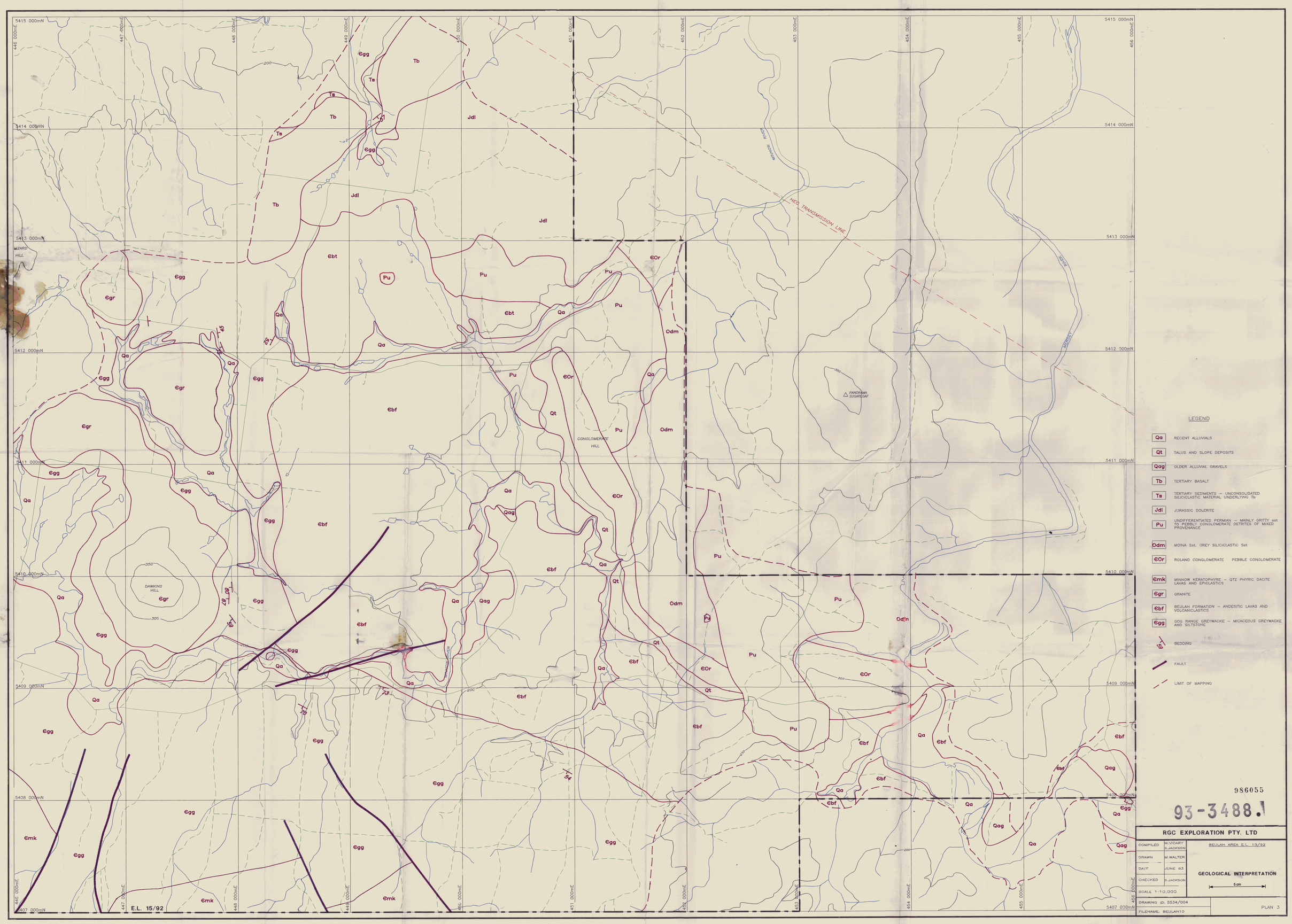
The measured Sr isotopic composition of the barite is similar to that typical of barites from the Que Hellyer Volcanics at Mount Charter, Que River and Hellyer (Whitford et

al., 1992). On this basis, the barite has clear Cambrian affinities.

In a more systematic study of the barites from Hellyer, Whitford, Gemmell and Sharpe (unpubl.) have demonstrated a crude zonation in $^{87}Sr/^{86}Sr$. Barites from the stringer zone and towards the base of the barite blanket have slightly higher ratios than those from the top of the blanket. Thus $^{87}Sr/^{86}Sr$ ratios up to 0.71144 are found in the stringer zone whereas values from near the top of the blanket have ratios as low as 0.71064. The variation in $^{87}Sr/^{86}Sr$ ratio may reflect a greater degree of isotopic re-equilibration with seawater for samples from near the top of the blanket. By analogy with the results from Hellyer, the ratio measured in this study is typical of samples from the barite blanket.

REFERENCES

Whitford D J, Korsch M J and Solomon M (1992) Strontium isotope studies of barites: Implications for the origin of base metal mineralization in Tasmania. *Econ. Geol. 87*, 953-959.



LEGEND

- Qa — RECENT ALLUVIALS
- Qt — TALUS AND SLOPE DEPOSITS
- Qaq — OLDER ALLUVIAL GRAVELS
- Tb — TERTIARY BASALT
- Ts — TERTIARY SEDIMENTS – UNCONSOLIDATED SILICICLASTIC MATERIAL UNDERLYING Tb
- Jdl — JURASSIC DOLERITE
- Pu — UNDIFFERENTIATED PERMIAN – MAINLY GRITTY sst TO PEBBLY CONGLOMERATE DETRITES 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
- 45 — BEDDING
- FAULT
- LIMIT OF MAPPING

986055

93-3488.1

RGC EXPLORATION PTY. LTD

COMPILED	M.VICARY S.JACKSON	BEULAH AREA E.L. 15/92
DRAWN	M.WALTER	
DATE	JUNE 93	**GEOLOGICAL INTERPRETATION**
CHECKED	S.JACKSON	5 cm
SCALE 1:10,000		
DRAWING ID. 5534/004		
FILENAME. BEULAH10		PLAN 3

448000 E

450000 E

452000 E

454000 E

5414000 N

5412000 N

5410000 N

5408000 N

5 cm

986056

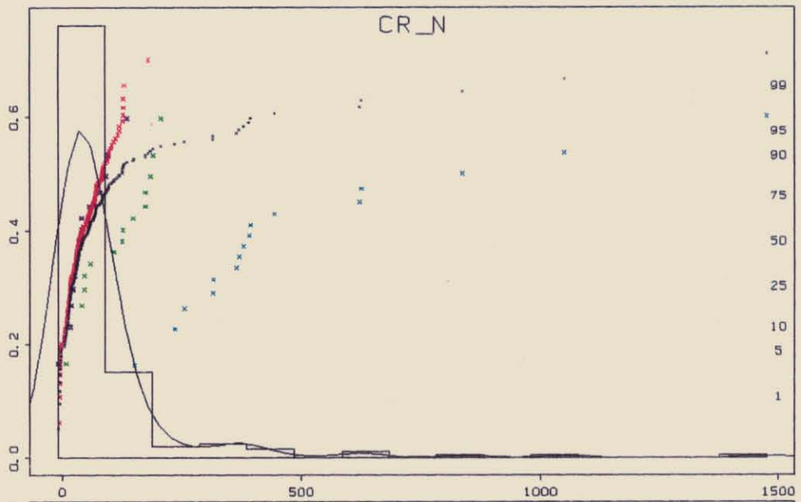
RGC Exploration PTY LTD

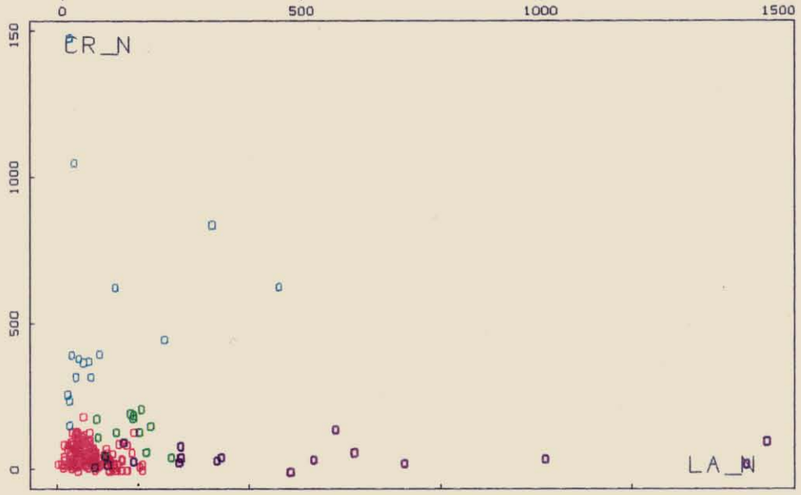
BEULAH ROCK CHIP AND
AIR CORE SAMPLE LOCATIONS
+ Rock Chip
x Air Core

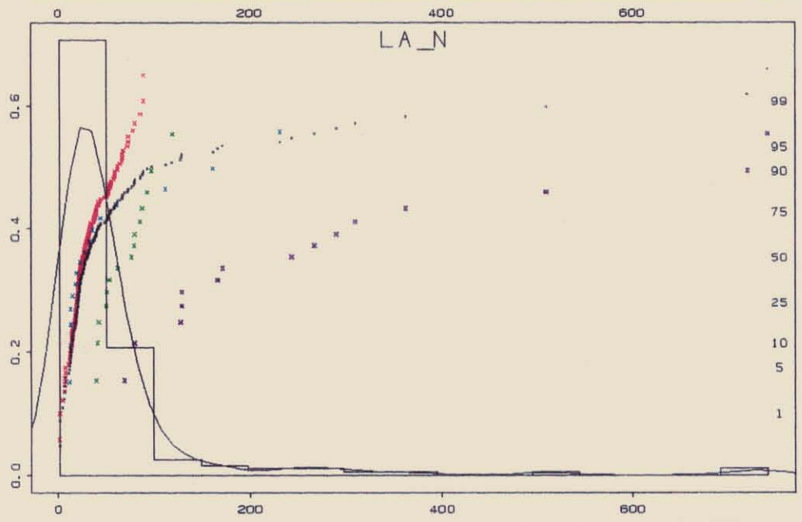
SCALE	DATE	SHEET
1: 10000	29/07/93	1 of 1
	REF No. PLAN 11	
	Plotted with MICROMINE	

93-3488.

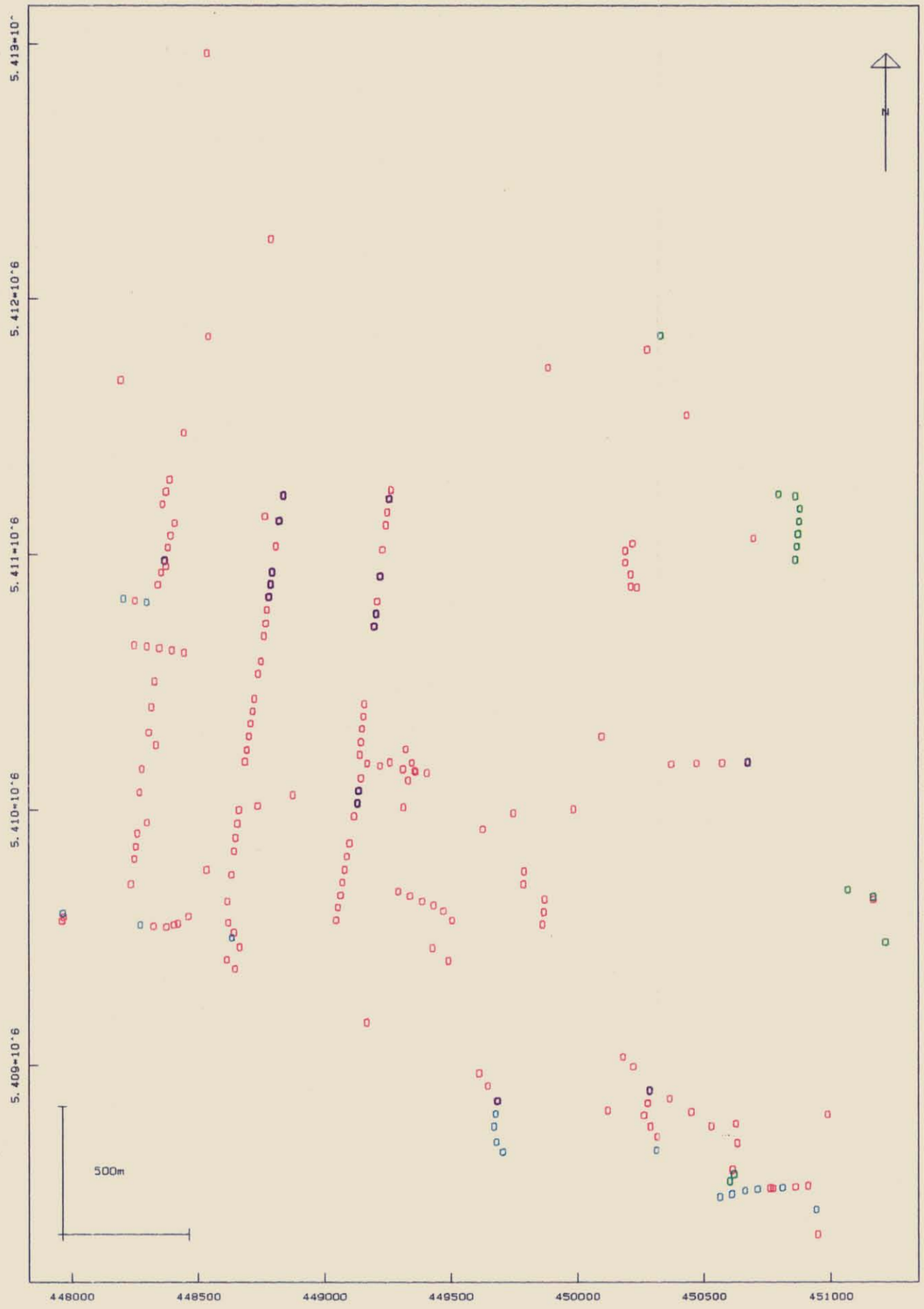
986057







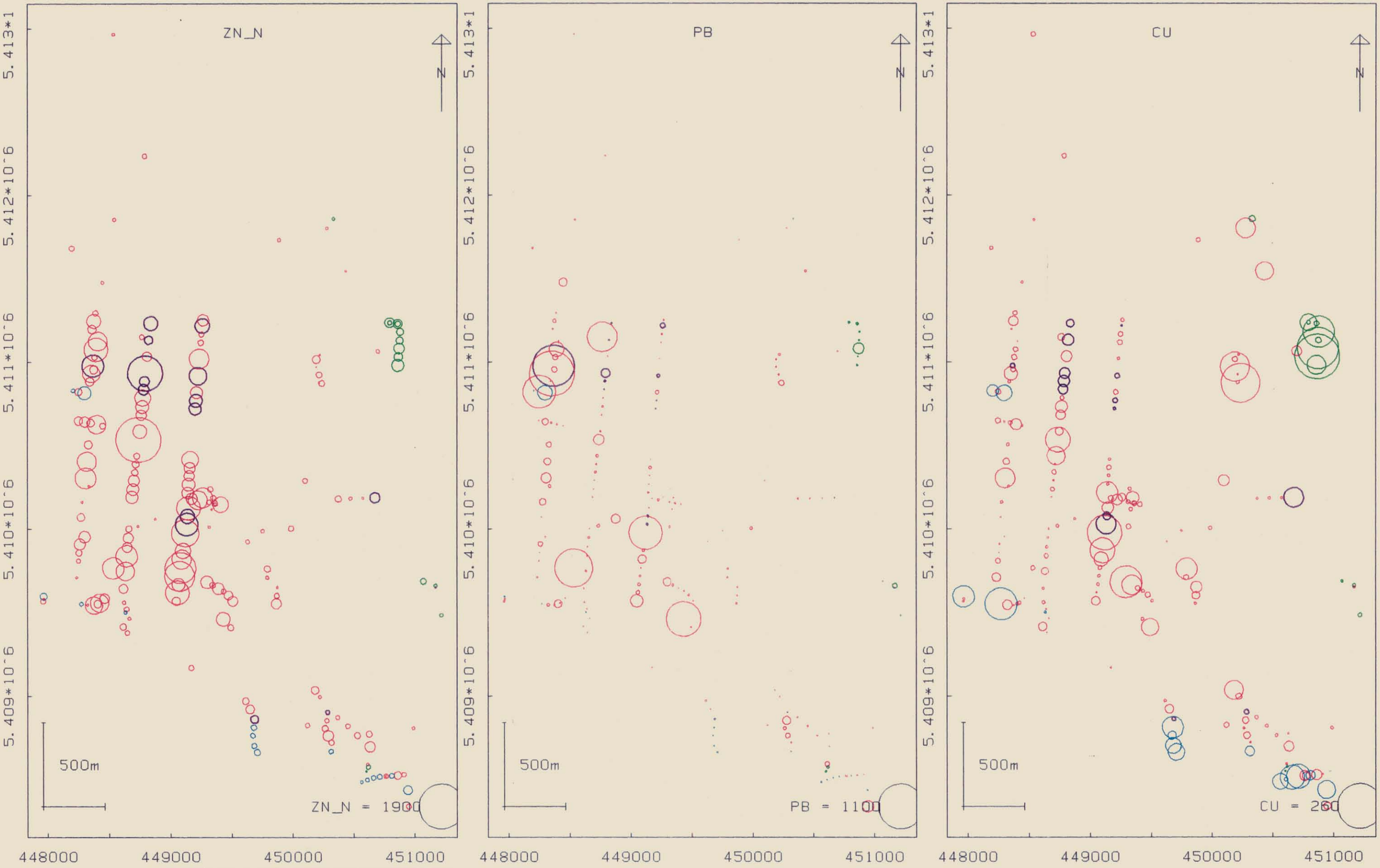
Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group



93-3488.

TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 16:15:00 1993

PLAN 4



Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group

TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 17:01:06 1993

PLAN 5

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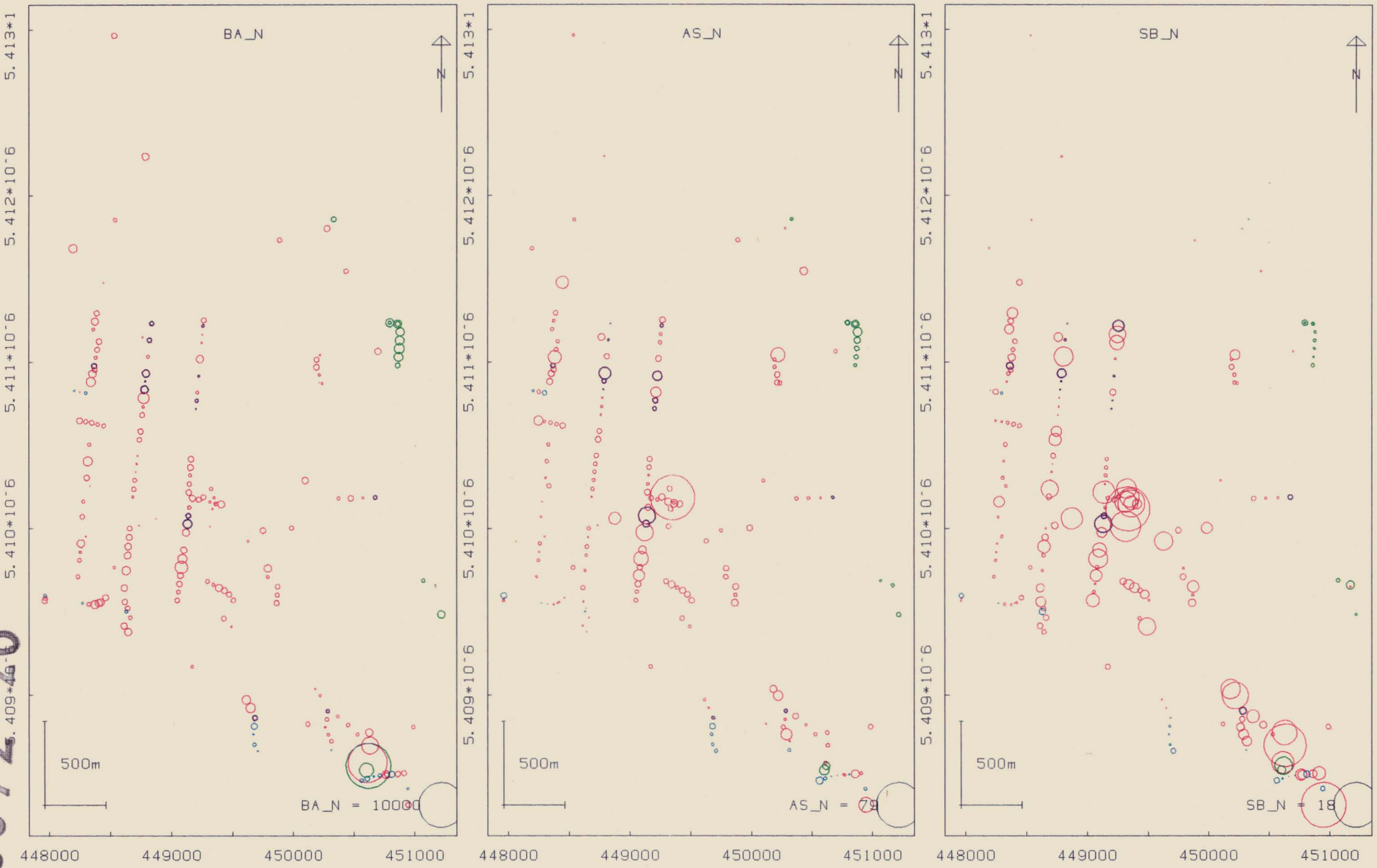
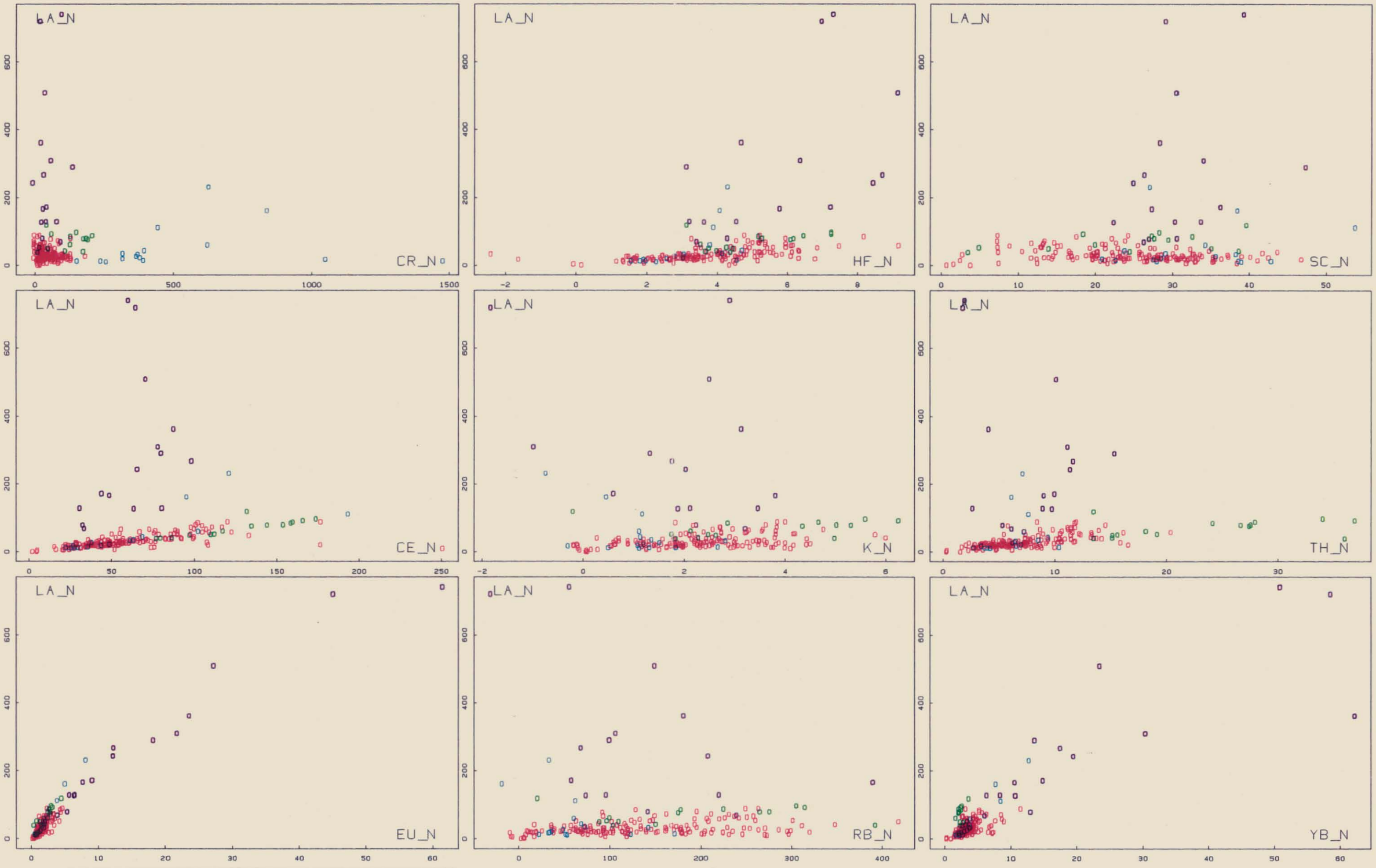


Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group

TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 16:45:45 1993

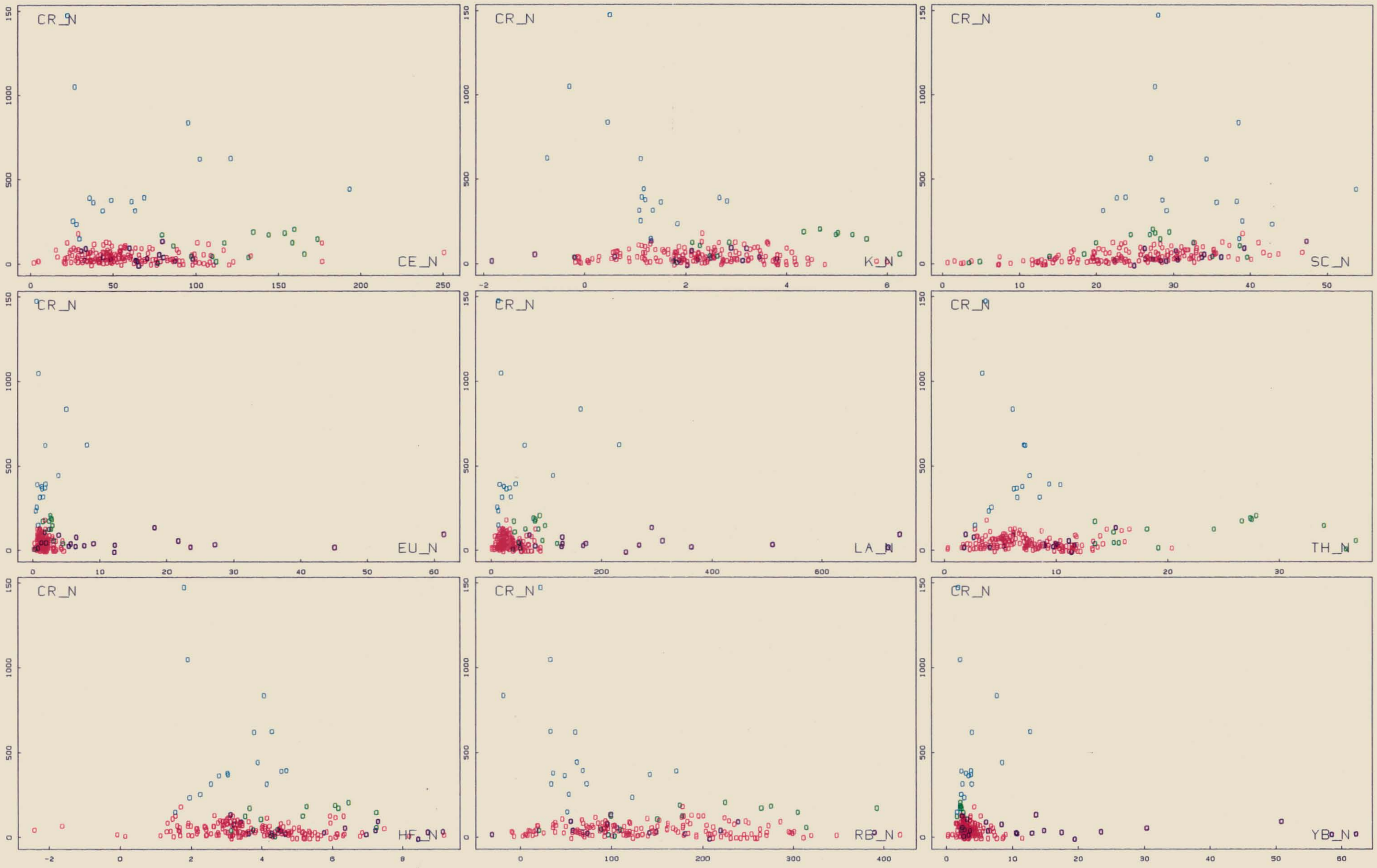
PLAN 6



Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group

TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 16:39:06 1993

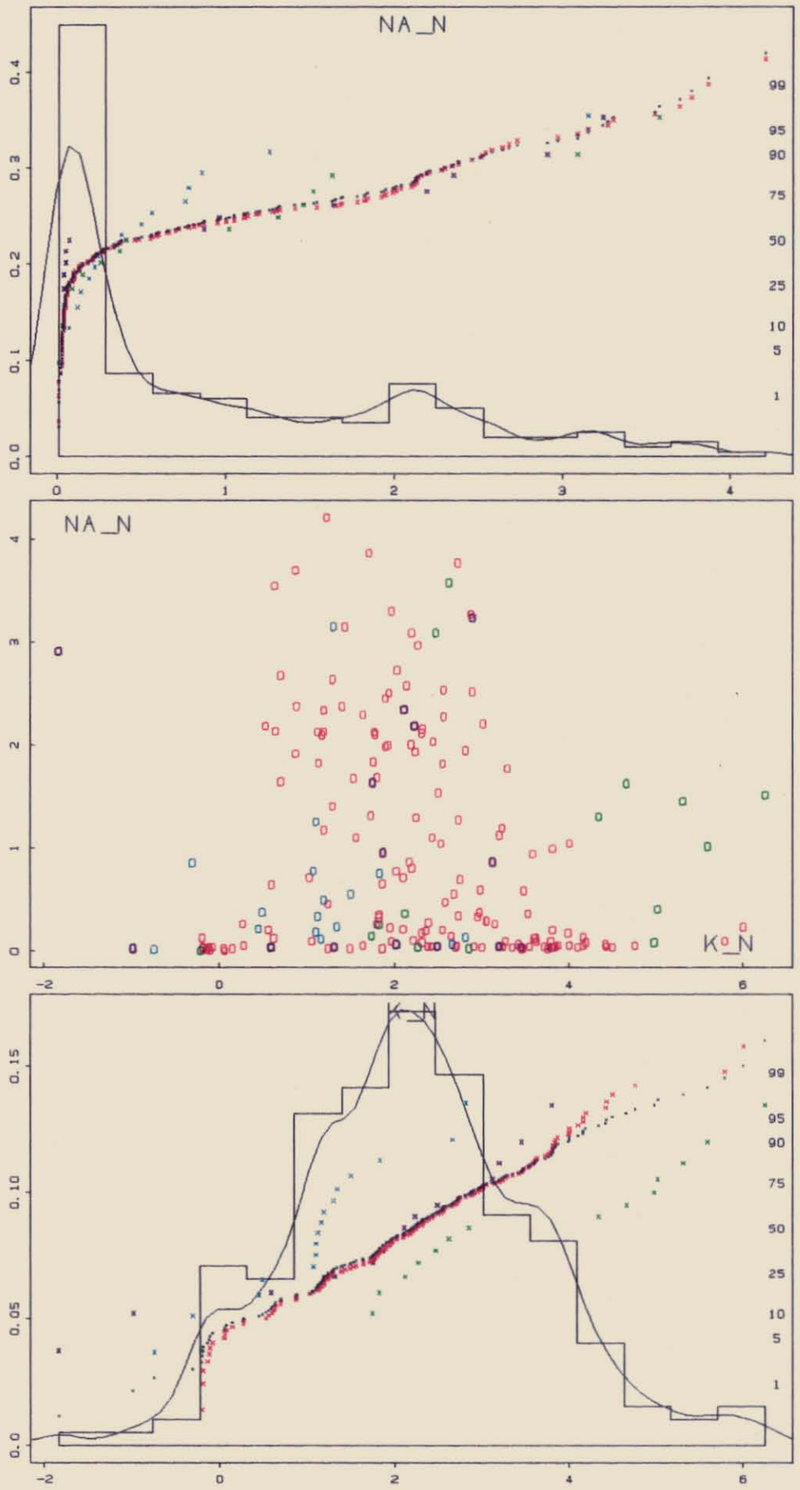
PLAN 7



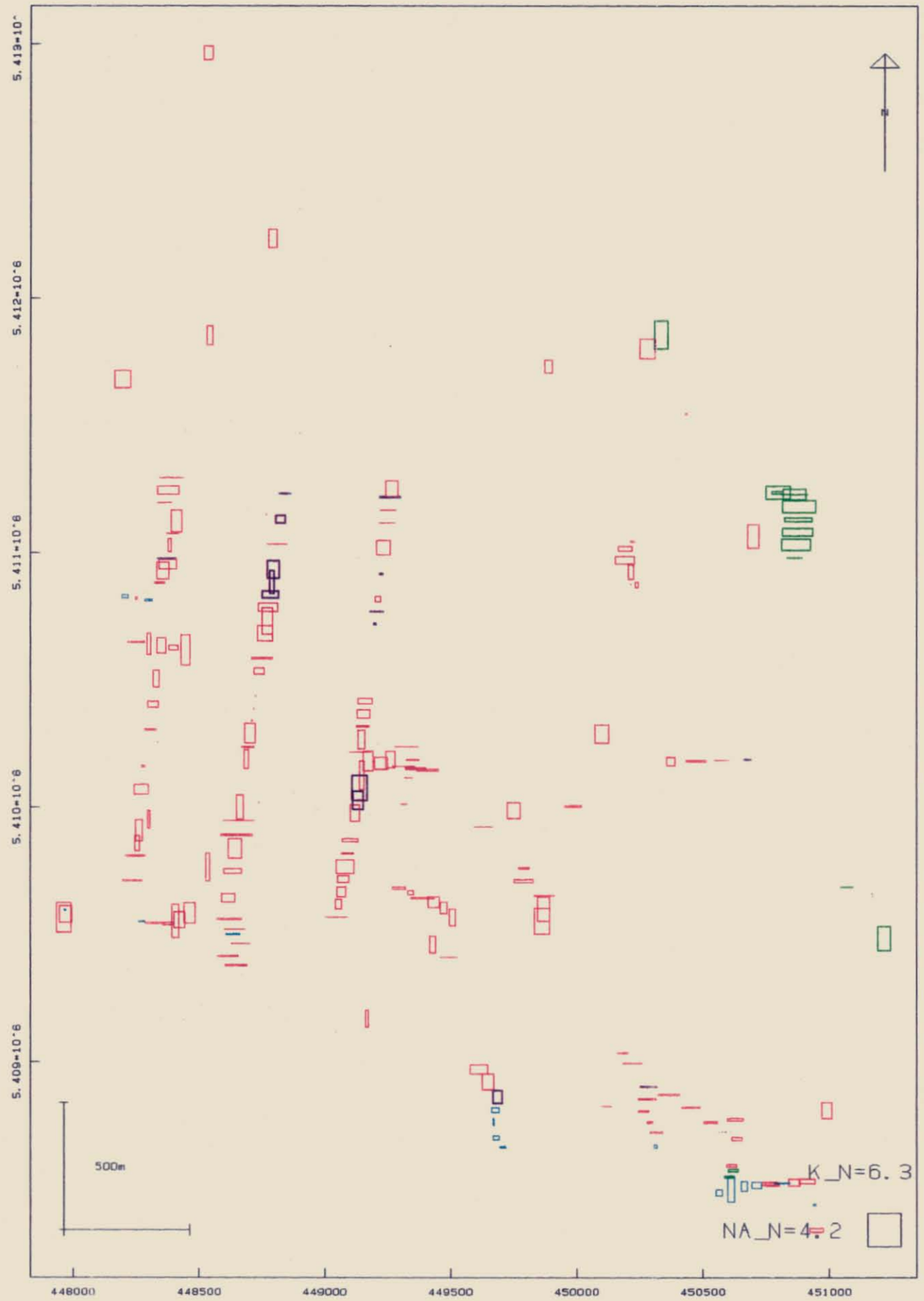
Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group

TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 16:34:46 1993

PLAN 8



Light Blue - Gog Range Greywacke
Purple - Beulah Formation andesite
Green - Beulah Formation dacite
Dark Blue - Beulah Formation REE enriched group



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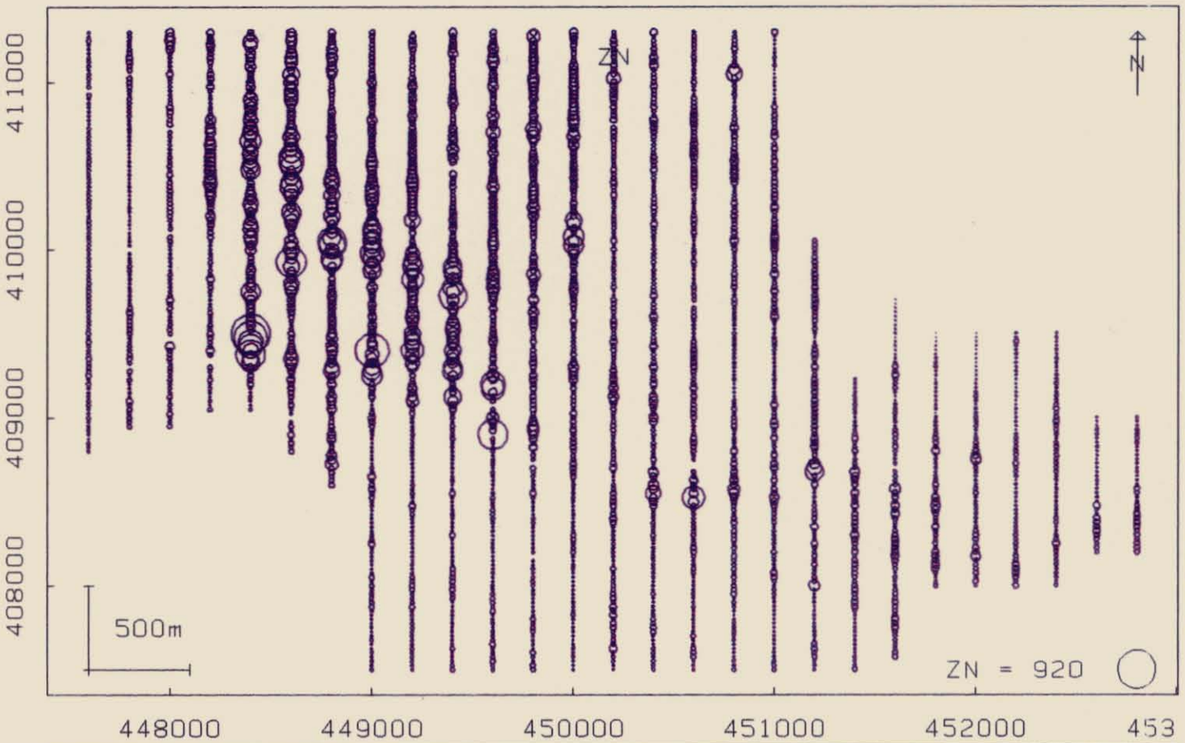
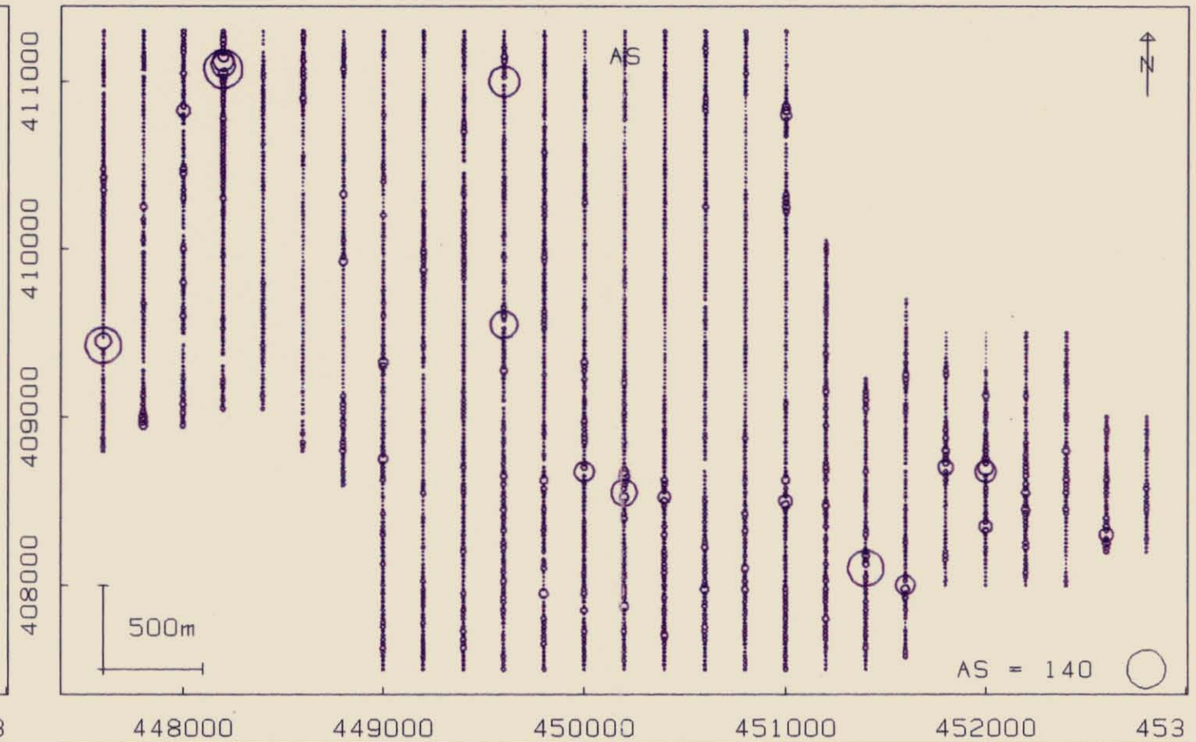
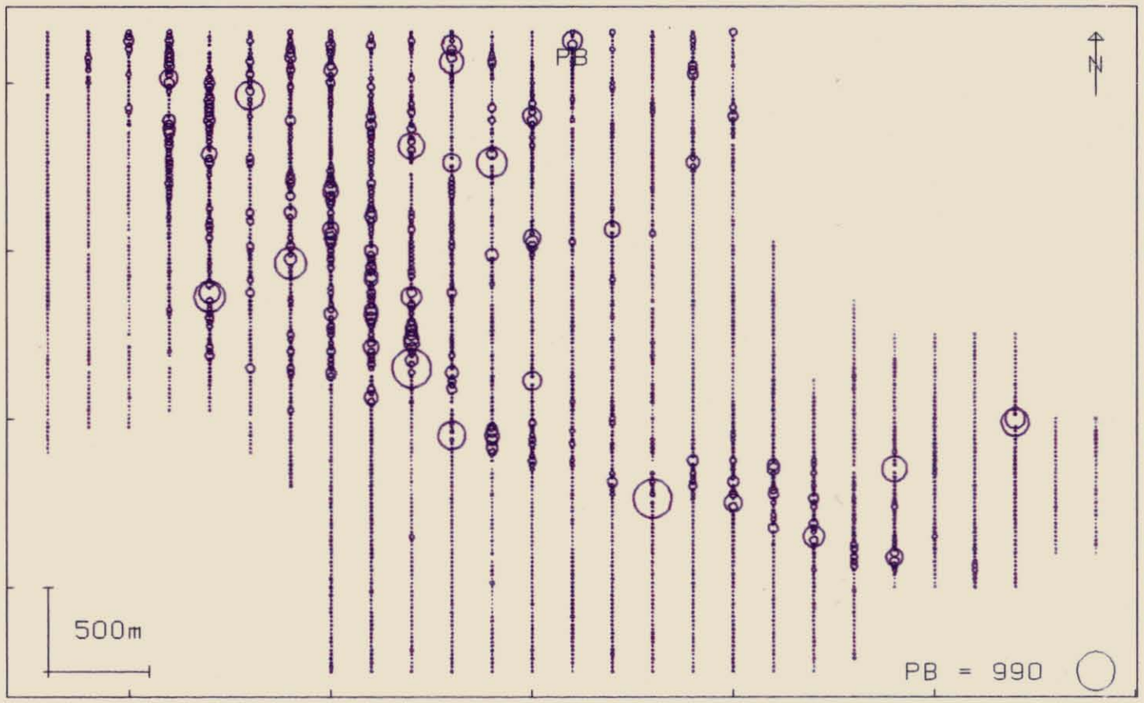
TASMANIA PROJECTS 08/07/93 GEOCHEM.PROJE Fri Jul 9 16:21:26 1993

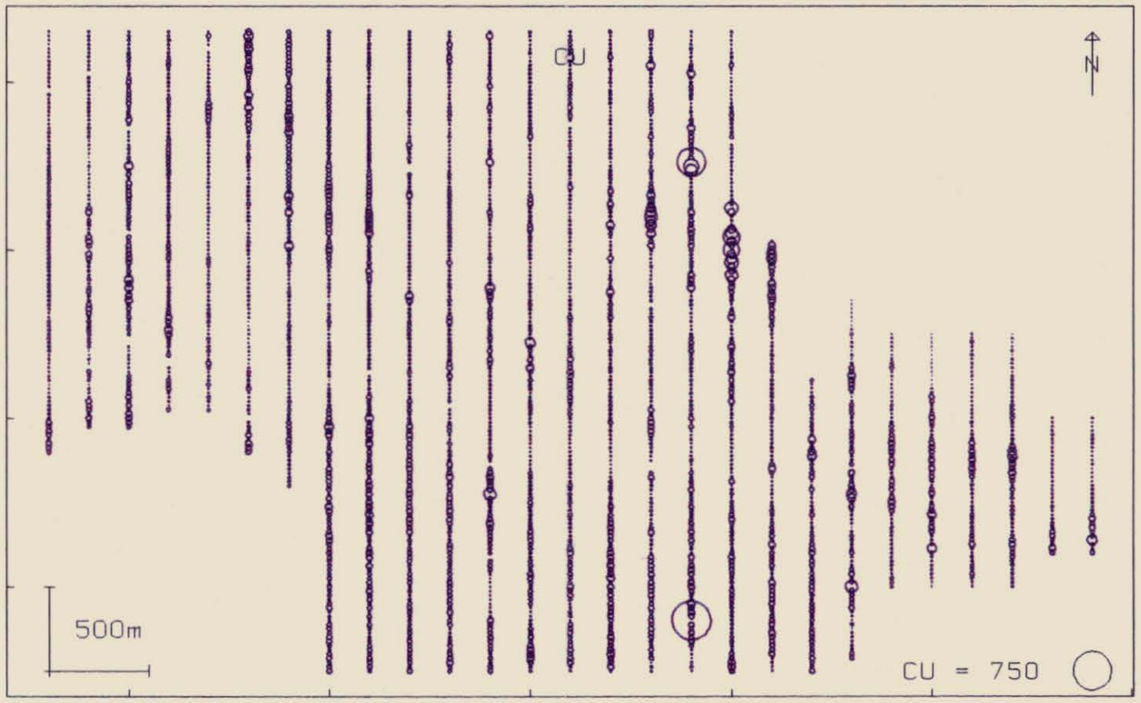
PLAN 9

986063









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BEULAH/GOWRIE PK. SOIL SAMPLES ABERFOYLE Thu Jul 29 16:44:14 1993

PLAN 10

93-3488.

RGC EXPLORATION PTY.LTD.		986064
	COMPILED	S.HALLEY
	DRAWN	M.WALTER
	DATE	11/92
	CHECKED	
	1:25000 REF.	

E.L. 15/92 BEULAH AREA

FACT. GEOLOGY

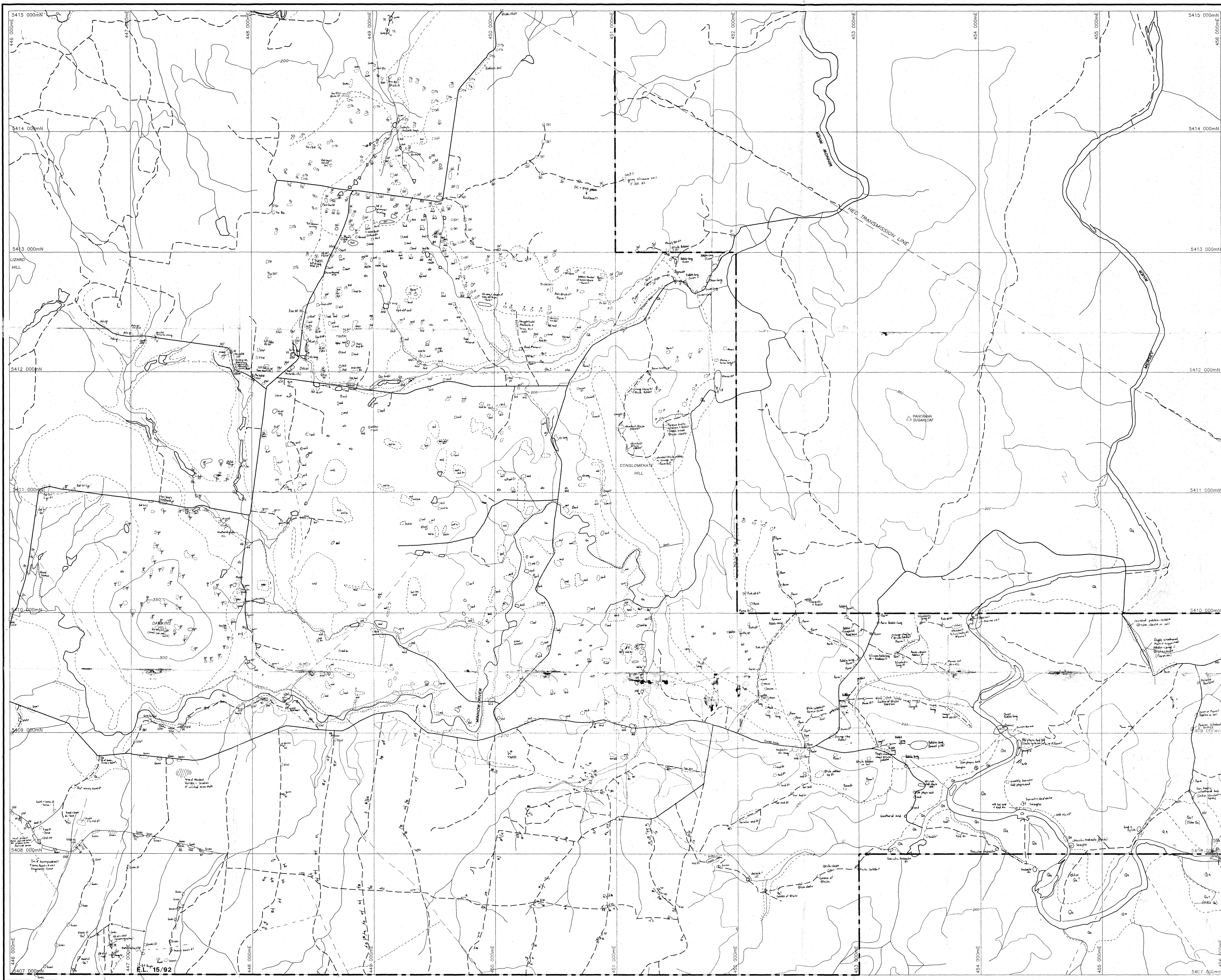
5 cm

DRAWING ID: 5534/003

FILENAME: BEULAH5

SCALE 1:5000

PLAN 1



986065

93-3488.

RGC EXPLORATION PTY. LTD

COMPILED	
DRAWN	M.WALTER
DATE	2/93
CHECKED	
SCALE 1:10,000	

BEULAH AREA E.L. 15/92

FACTUAL GEOLOGY

DRAWING ID: 5534/004

FILENAME: BEULAH10

5 cm