RGC EXPLORATION PTY. LIMITED

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E.L. 42/87 - ZEEHAN AREA

ANNUAL REPORT 1989/90

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Compiled by: D.J.F. Crossing
Senior Geologist

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Endorsed by: M.J. Fleming
Senior Exploration Geologist

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CONTENTS

SUMMARY

1. INTRODUCTION
2. LAND TENURE
3. PREVIOUS WORK
4. REGIONAL GEOLOGY
    - 4.1 Stratigraphy
    - 4.2 Structure
    - 4.3 Mineralisation
5. WORK COMPLETED 1989/90
    - 5.1 Land Acquisition
    - 5.2 Access and Gridding
    - 5.3 Geological Mapping
    - 5.4 Geochemistry
    - 5.5 Geophysics
    - 5.6 Drilling
6. RESULTS
    - 6.1 Sylvester Grid
        - 6.1.1 Geology
        - 6.1.2 Geochemistry
        - 6.1.3 Geophysics
        - 6.1.4 Drilling
    - 6.2 Parting Lake Grid
        - 6.2.1 Geology
        - 6.2.2 Geochemistry
    - 6.3 Regional Aeromagnetic Survey
7. CONCLUSIONS
    - 7.1 Sylvester Grid
    - 7.2 Parting Lake Grid
    - 7.3 Regional
8. RECOMMENDATIONS
9. REFERENCES

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FIGURES - IN TEXT

Fig.	Drawing No.	Title	Scale
1		E.L. 42/87 Locality Plan	1:250,000
2		Zeehan Project Tenement Plan	1:50,000
3		Zeehan Project, Form of Granites	1:250,000
4		Geology of South Comstock Open Cut	1:500
5		Outcrop Geology in the vicinity of the Comstock Open Cut	1:500

PLANS - IN POCKETS

Plan	Drawing No.	Title	Scale
1	5512/112	Mines of the Zeehan Field	1:20,000
2	5512/126B	Zeehan Regional Geological Interpretation	1:10,000
3	5521/039	Zeehan Project,Airphoto Interpretation	1:25,000
4	5521/038	Zeehan Project, Drillhole & Grid Location Plan	1:25,000
5	5521/034	Geological Fact Map, Sheet B	1:5,000
6	5521/033	Geological Fact Map, Sheet C	1:5,000
7	5521/035	Geological Fact Map, Sheet D	1:5,000
8	5521/047	Geol. Fact Map (Grid Based),Sheet B	1:5,000
9	5521/037	Geol. Fact Map (Grid Based),Sheet C	1:5,000
10	5521/036	Geol. Fact Map (Grid Based),Sheet D	1:5,000
11	5521/002B	Sample Location Plan, Sheet B	1:5,000
12	5521/003B	Sample Location Plan, Sheet C	1:5,000
13	5521/004B	Sample Location Plan, Sheet D	1:5,000
14	5521/031	Sylvester Ground Magnetics Survey, Total Field Magnetic Intensity-Stacked Profiles	1:5,000
15	5521/032	Sylvester Ground Magnetics Survey, Field Magnetic Intensity - Contours	1:5,000
16	5521/048	SY001 Drillhole Section 57500mE	1:500
17	5521/049	SY002 Drillhole Section 58880mE	1:500
18	5521/050	SY003 Drillhole Section 57790mE	1:500

TABLES

1. Gold Standards

PLATES

1. CS001; 77.00-81.59m ; Interlaminated siltstone, sandstone (Posp)

2. CS001; 151.12-157.80m; Skarn in carbonate & melange

3. CS002; 270.15-276.57m; Base metal vein in €c

4. CS002; 463.50-469.53m; Dolomite

5. CS003; 89.00-97.30m; Balstrup Fault in €c

6. CS003; 145.80-154.25m; Massive Py-Sl-Gl lense

7. CS003; 169.50-175.50m; Py-Pr-Mg in recrystallised carbonate

8. CS003; 385.40-391.79m; Py-Sl-Gl replacing brecciated carbonate

9. CS003; 472.83-479.23; Serp-Pr-Mg skarn

10. CS003; 511.41-517.68; Melange

APPENDICES

1. Petrological Reports

2. Zeehan Project C-Horizon soil sampling programme analytical results

3. Zeehan Project Rock Chip Sampling analytical results

4. Zeehan Project Diamond Drillhole analytical results

5. Comstock (Sylvester) Ground Magnetics; profiles

6. Interpretation of Aeromagnetic data from E.L. 42/87 (Zeehan)

7. Geological notes on Sylvester and Parting Lake grids (D.S. Simpson)

8. Drill Logs

9. Expenditure 1989/90

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SUMMARY

EL 42/87 is centred on the old silver-lead mining centre of Zeehan, and completely encloses the Aberfoyle/Gippsland joint venture M.L.'s over Queen Hill, where a reported geological resource of 3.6 Mt at 1.2% Sn has been defined. Work on the EL was deferred whilst RGC negotiated to acquire the Queen Hill M.L.'s, but these negotiations ultimately failed.

Work began in 1989 and was aimed at determining areas with potential for Queen Hill/Renison style tin mineralisation, and as a result the Sylvester and Parting Lake grids were established. Early results from the Sylvester area were sufficiently encouraging for RGC to sign an Option to Purchase agreement with Oceania (Tas) P/L over two ML's in the area. Work completed during the 1989/90 season included C-Horizon soil sampling, ground magnetics, detailed geological mapping and rock chip sampling, and culminated in the drilling of two holes on the Sylvester Grid (SY002 and SY003).

The Sylvester area extends west of Queen Hill and occurs in a similar geological setting. Three major regional faults transect structurally deformed psammo-pelites and carbonates of the Upper Oonah Formation, and Crimson Creek turbidites. Various lines of evidence suggest that a ridge of granite extends E-W across the area toward the Pine Hill cupola. SY002 tested a Sn-W-Au anomaly in Crimson Creek turbidites in the footwall of the Sylvester Fault, but located only a 3.6m base metal vein anomalous for tin. SY003 was aimed at a 1.2km long Sn-Au-Zn-Pb-Sb anomaly in Oonah psammo-pelites and carbonates in the footwall of the Balstrup fault, and succeeded in locating significant Zn-Pb-Ag-Sb mineralisation in a 9.5m massive pyrite lens and in replacive patches of pyrite-pyrrhotite-magnetite in a recrystallised carbonate. The best intersection was 7.0 metres averaging 4.4%Pb, 8.8%Zn and 52ppm Ag. The replacement mineralisation is suggestive of proximity to a major skarn, however in general contained only background levels of tin, thus the source of surface tin anomalies remain unexplained.

Recommended follow up work in the Sylvester area includes a hole to test an intense magnetic anomaly interpreted as due to a deep magnetite-pyrrhotite skarn with possible massive pyrrhotite lenses near surface, and a gravity survey to define the shape of the granite in the area. Potential targets include tin and base metals as replacement bodies and as skarns. Additional geological mapping should be undertaken to link the geology of the area with that of Queen Hill.

The Parting Lake grid produced a few weak tin anomalies just north of Montana Hill, where highly deformed Oonah psammo-pelites and spillitic volcanics are cut by NW wrench faults. These anomalies have yet to be followed-up, and targets in this area are assumed to be deep seated.

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1. INTRODUCTION

EL 42/87 was acquired by Renison Ltd. in August 1987 as the result of a successful tender application. The E.L. encloses the Aberfoyle/Gippsland joint venture consolidated M.L.'s over Queen Hill, and Renison's interest in the area was initially linked to negotiations with the joint venture partners over the possible acquisition of the M.L.'s (Figures 1 and 2).

Work on the E.L. was deferred while negotiations continued, with the intention that once the M.L.'s were in Renison's control, a combined exploration programme would be conducted over both the M.L.'s and the surrounding E.L. However negotiations fell through, and in 1989 RGC Exploration began an exploration programme on behalf of Renison Ltd., without control of Queen Hill having been obtained.

The E.L. covers 31 square kilometres of countryside that varies from buttongrass and tea-tree swamp to partially forested hilly terraine.
It covers Zeehan townsite and many of the old silver-lead mines of the now abandoned Zeehan field. Access is provided by a number of all-weather roads, as well as numerous 4WD tracks and old, partially overgrown tramways.

Work on the E.L. has been primarily targetted at locating economic concentrations of tin of the style typified by the Montana deposit (carbonate replacement), the Severn deposit (Fault stockwork) and Queen Hill (fault and carbonate replacement). The Upper Oonah Formation and the so-called Poverty Point Beds (also called Montana Beds) are considered the most prospective units because of the presence within them of significant carbonate beds capable of hosting replacement-style deposits. The latter unit conformably underlies the Crimson Creek Formation and is considered by Aberfoyle geologists to be equivalent to the Success Creek Group at Renison mine.

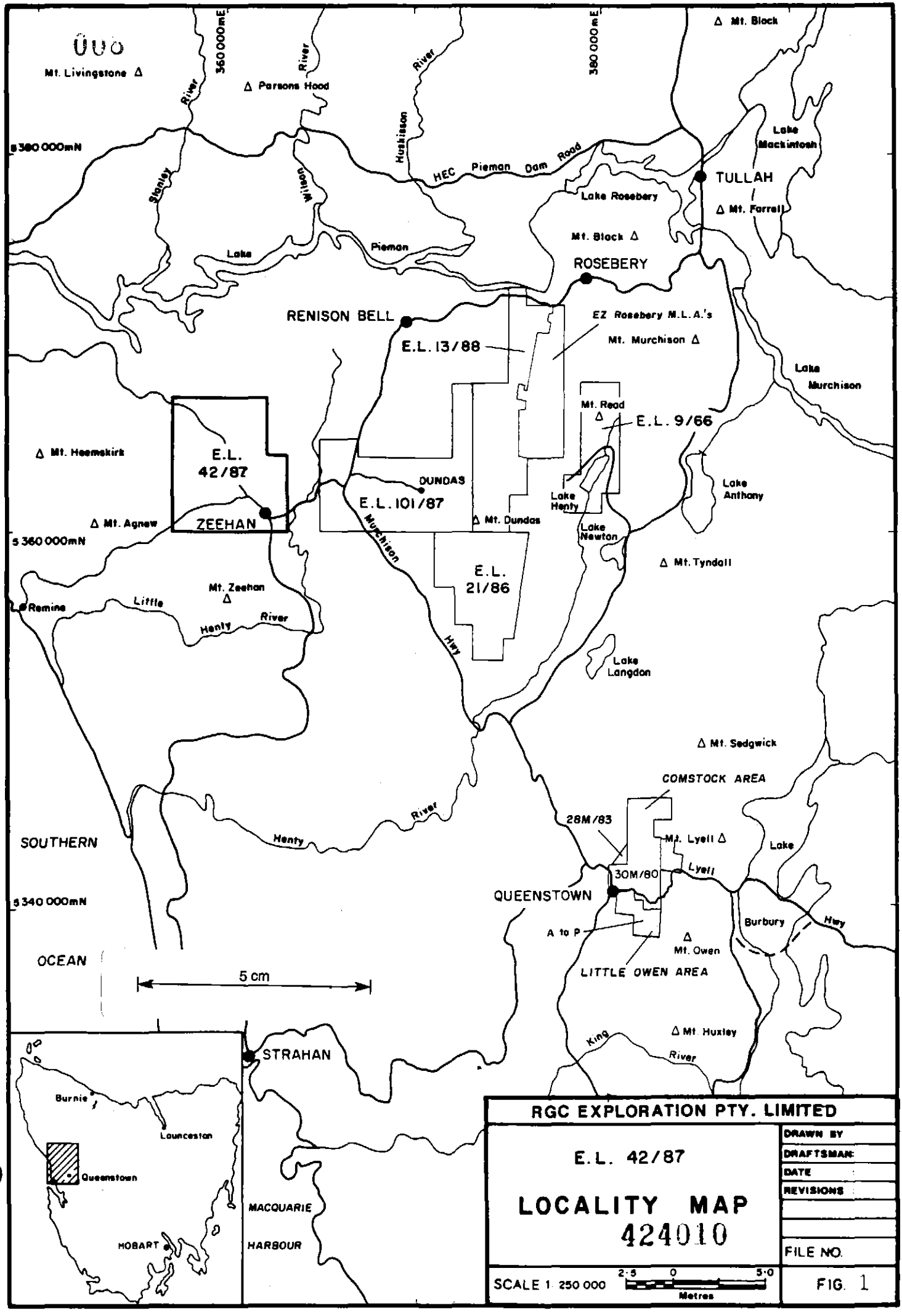
As a result of detailed mapping, rock chip geochemistry and an aeromagnetic survey, conducted during 1988/89, two areas were chosen as warranting more detailed follow-up work. The Comstock and Parting Lake grids were established to cover these two areas, however the Comstock area was later renamed the Sylvester area to avoid confusion with the Comstock prospect near Queenstown.

In the Sylvester area, three major regional faults intersect highly deformed psammo-pelites and carbonates of the Upper Oonah Formation and less deformed turbidites of the Crimson Creek Formation. Several lines of evidence suggest a granitoid ridge extends E-W beneath the area, toward the postulated Queen Hill cupola, and a major magnetite-pyrrhotite skarn is centred along it. The Sylvester and Balstrup faults could reasonably be expected to communicate at depth with such a ridge and provide fluid access to sedimentary carbonates.

Two M.L.'s in the area, held by Oceania (Tas.) P/L., were considered to cover a portion of the prospective geology and as a result RGC signed an Option to Purchase agreement with the holders of the M.L.'s to secure tenure of the area.

The Parting Lake area contains highly deformed Upper Oonah Formation psammo-pelites and spilites which are cross-cut by numerous NW trending structures. Some carbonates have been recorded in the area.

The 1989/90 programme was designed to routinely explore these two areas by a combination of gridding, mapping, C-Horizon soil geochemistry and ground magnetics, with the aim of maturing drilling targets. As a result, two promising combined geological-geochemical targets on the Sylvester grid have been drilled (SY002, 003) and an old Oceania P/L drillhole has been assayed (SY001). Results have been encouraging, and suggest potential for significant Pb-Zn-Ag mineralisation.



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E.L. 42/87

LOCALITY MAP

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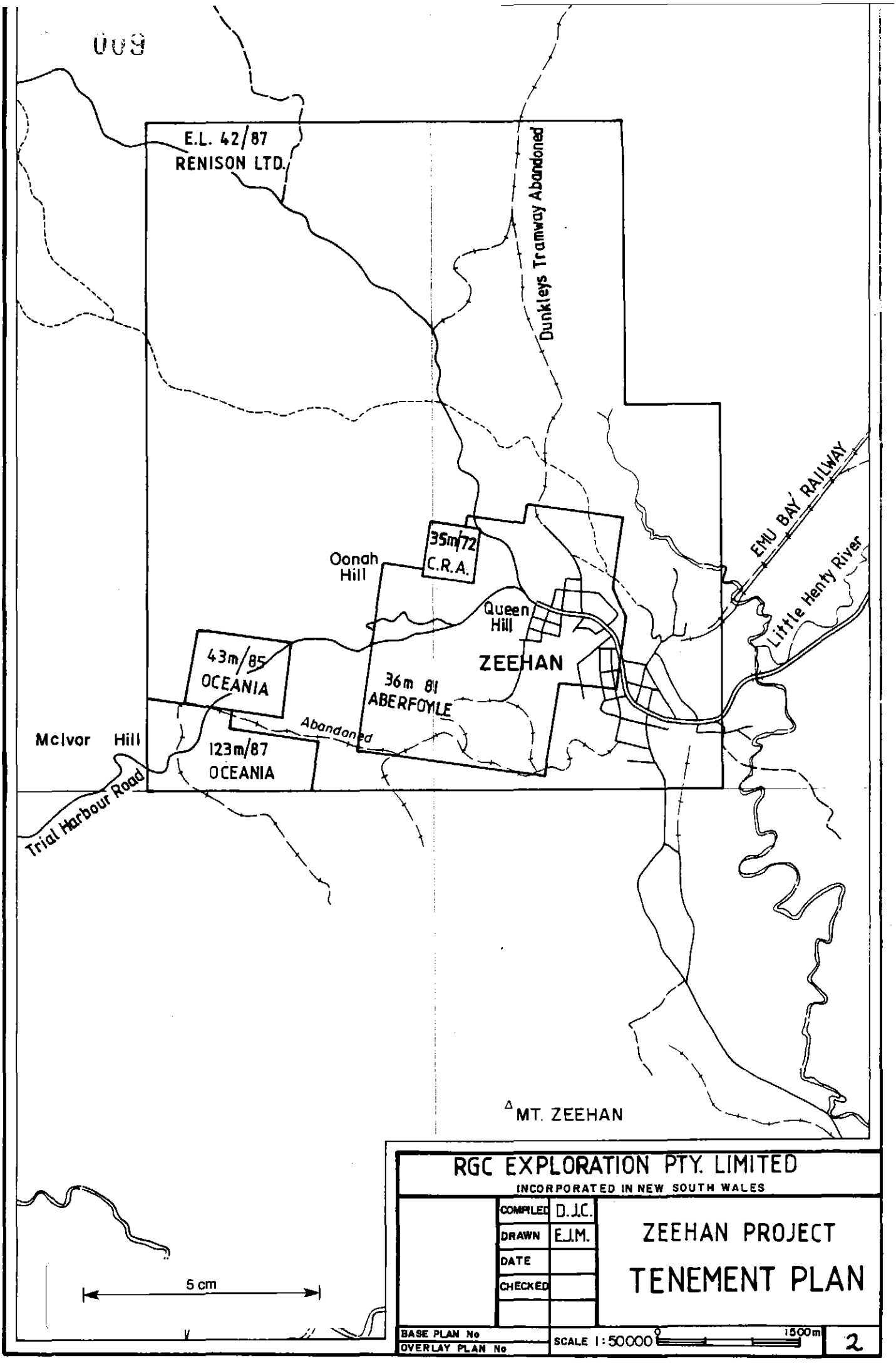
SCALE 1: 250 000 — 2·5 0 5·0 Metres

FIG. 1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E.L. 42/87
RENISON LTD.
Dunkleys Tramway Abandoned
EMU BAY RAILWAY
Little Henty River
35m/72
C.R.A.
Oonah Hill
Queen Hill
ZEEHAN
43m/85
OCEANIA
36m 81
ABERFOYLE
Abandoned
McIvor Hill
123m/87
OCEANIA
Trial Harbour Road
MT. ZEEHAN
5 cm
RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES
COMPILED D.J.C.
DRAWN E.J.M.
DATE
CHECKED
ZEEHAN PROJECT
TENEMENT PLAN
BASE PLAN No
OVERLAY PLAN No
SCALE 1:50000
1500m
2

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2. LAND TENURE

EL 42/87 is held solely by Renison Ltd. and explored by RGC Exploration Ltd. It covers 31 square kilometres, most of which is vacant crown land. The following mining leases are excluded from the E.L. (Figure 2):

35M/72; C.R.A. Exploration P/L (Oonah Hill)

36M/81; Aberfoyle Exp. P/L & Gippsland Oil & Min.'s NL (Queen Hill)

43M/85; Oceania (Tas) P/L (Sylvester Mine)

123M/47; Oceania (Tas) P/L (Comstock Mine)

In May, 1990 an Option Agreement to purchase M.L.'s 43M/85 and 123M/47 was signed with Oceania (Tas.) P/L. Earlier verbal agreements had allowed RGC Exploration to conduct exploration on the M.L.'s whilst the Option Agreement was being negotiated. Under the terms of the agreement Renison may explore the area for up to five years.

3. PREVIOUS WORK

Silver-lead veins were discovered near the present day town of Zeehan in 1882, resulting in the rapid development of the Zeehan field, which flourished until 1914. In subsequent years the Tasmanian Government carried out exploration in a number of areas and assisted many tributing parties, but no new discoveries were made. A brief resurgence of silver-lead mining occurred during the period 1947-1960, when the Montana SL mine was opened and the Oceania lodes were re-developed. By 1960, the field had produced 194,816 tons of lead and 26,585,000 ozs of silver. Since that date small tonnages of silver-lead-zinc ore have been mined by Oceania at Sylvester and Comstock, and shipped to Rosebery. (refer Plan 1).

The presence of tin in the Zeehan field was recognised early, and small quantities of stannite were mined from the Stannite Lode of the Oonah mine and Clarkes Lode of the Zeehan-Queen mine. Small quantities of cassiterite were mined from the Stormsdown lode at various times, and in the early 1980's Aberfoyle extracted 2,900 tonnes for matte fuming trials (Anderson, 1986). By 1960, tin production totalled 5.3 tons tin metal, although no figures are available for tin contained in stannite.

Modern exploration began during the period 1946-47, when Zeehan Explorations NL drilled a number of holes in the Oceana, Despatch and King-Bell areas, with the main target being replacement-style galena mineralisation in the Gordon Limestone. Exploration was successful at Oceana, and the mine re-opened for a while as a result. Tenneco (1971-72) and Aberfoyle (1984-87) also explored the Gordon Limestone for similar mineralisation but without success.

The BMR conducted geophysical surveys around the Montana SL and Tasmanian Crown mines in 1954, and over Oonah and Queen Hill

during 1963-64. Montana SL completed some follow-up drilling after the 1954 survey, but located only graphitic shales.

During 1963-70, 20 diamond drillholes were completed in the Oonah area, firstly by Clutha then by subsequent tenement holder Minops P/L. As a result of this work Minops reported indicated reserves of 674,000 tonnes grading 1.1%Sn, 1.25%Cu and 3.7 g/t Ag contained at depth within the Stannite lode. Further drilling was conducted during 1979-81 under a joint-venture agreement between Minops and current tenement holders C.R.A. Exploration.

Clutha and Minops also conducted exploration in the Spray mine area aimed at locating mineable reserves of silver-lead-antimony. In 1971 Tenneco took over and completed four underground holes without success. Stannite was identified in one of the lodes.

Exploration of Queen Hill began in earnest in 1970 when Gippsland Minerals acquired tenure over the area, and in 1971 signed a joint-venture agreement with Cominco (later to become Aberfoyle). During 1970-73 Clutha drilled 18 diamond holes, outlining an inferred resource of 600,000 tons at 1.64% Sn. Aberfoyle became operators in 1974 and by 1982 they had completed ore characterisation studies and a geological resource assessment that reported 7.3 Mt at 0.7% Sn, including 3.6Mt at 1.2% Sn (Anderson, 1989). The resource is contained in three deposits, namely the Queen Hill, Montana and Severn deposits.

The RGC Group has shown an interest in the area since 1967, when a brief assessment was made of the Oonah leases then held by C. Loftus-Hill. In 1974 the area south and west of EL 42/87 was pegged by Mt. Lyell as S.P.L. 129, which was converted into EL 11/76 and explored by Gold Fields Exploration (later to become RGC Exploration) until 1986. Work completed in the area included the drilling of six unsuccessful diamond holes on the Stonehenge grid, immediately south of the current Sylvester grid. The target at Stonehenge was replacement-style tin, hosted by

dolomite horizons within the faulted Upper Oonah Formation. A more detailed coverage of previous exploration was included in the 1988/89 Annual Report (Crossing, 1989).

4. REGIONAL GEOLOGY (Plans 2, 3)

A more detailed description of regional geology is included in the 1988/89 Annual Report (Crossing, 1989).

4.1 Stratigraphy

Proterozoic

The oldest rocks in the area are psammo-pelitic sediments of the Oonah Formation (Po), which form the core of the Heemskirk Anticlinorium northwest of Zeehan. The sequence typically consists of a monotonous repetition of the following components, in order of relative abundance.

a) Thin bedded grey, micaceous sandstones and siltstones.
b) Massive grey, saccharoidal, quartzitic sandstones.
c) Black, carbonaceous shales.

Toward the top of the Oonah Formation, finer grained lithologies become more dominant and carbonates and spilitic volcanics appear. The Upper Oonah Formation (Pou) has been defined to include these distinctive lithologies, which include:

a) Thinly bedded grey, micaceous sandstones and siltstones.
b) Black, carbonaceous shales.
c) Finely interbedded, laminated sandstones, siltstones, shales.
d) Massive grey, saccharoidal, quartzitic sandstones.
e) Dolomites, limestones and calcareous sediments.
f) Spilites, including vesicular lavas, tuffs and breccias.

The prevalence of the various lithologies shows marked lateral variation. In the Queen Hill area, irregular lenses of spilitic volcanics form a significant proportion of the

stratigraphic column, whilst in the Comstock mine area spilities are rare and (altered) carbonates are the dominant lithology.

Many of the lithologies encountered in the Upper Oonah are indicative of deposition in a shallow water environment. For example finely interlaminated calcareous shales, siltstones and sandstones encountered in SY001 exhibit intraformational slump structures attributed to tidal drag (Plate 1). Additionally the reported occurrence of gypsum psuedomorphs in carbonates at Queen Hill (Anderson, 1986) indicates that at least some of the carbonates were deposited in a sabkha-type (evaporite) environment.

The spilites consist of lavas and tuffs that form lenses of great lateral variation in thickness, intercalated mostly with pelitic units. The lavas are massive, grey-green, weathering to brown clay. They are generally vesicular, with at least some discordant (intrusive) contacts. Occasional coarse pyroclastic bands are present. The occurrence of spilitic lavas, which are widely regarded as products of submarine extrusion (e.g. Hatch et al, 1975), interbedded with shallow-water and evaporitic facies rocks, such as those reported at Queen Hill, presents a problem of interpretation.

The Oonah Formation sediments are strongly deformed, and the degree of deformation is more intense in the less competent pelitic sediments. Cambrian deformation produced characteristic isoclinal folds, and broad melange zones are present although it is not known for certain if they are tectonic or sedimentary in origin. Devonian deformation overprints the Cambrian features and is responsible for the development of a strong NW trending penetrative foliation in the Oonah-Queen Hill area.

Cambrian

The Crimson Creek Formation (Ꞓc) consists of a poorly outcropping sequence of weathered turbidites. The dominant lithologies are light brown lithic arenites, wackestones and greywackes of (mafic) volcanic origin, and mudstones. Massive, poorly bedded sandstones and siltstones are also present, along with occasional carbonate interbeds, and black shales have been reported (Blissett, 1962). Spilitic tuffs and breccias similar to those of the Upper Oonah Formation were also recorded. The lithic arenites often display rythmically graded beds typical of turbiditic sequences.

A 45 metre thick sequence of massive dolomites interbedded with shales and interlaminated sandstone and siltstone has been recorded at the base of the Crimson Creek Formation at two locations as a result of drilling by Aberfoyle (Anderson, 1986). Anderson correlates the sequence, referred to as the Poverty Point Beds (or Montana Beds), Ꞓm, with the Success Creek Group at Renison because of its conformable relationship with overlying Ꞓc lithologies.

The main occurrence of Ꞓc forms a Y-shaped outcrop stretching from the old Sylvester mine to Argent flat via Manganese Hill. Blissett (1962) claims the sequence occupies the core of a syncline, but lack of reasonable outcrop makes this impossible to verify. Contacts between Ꞓc and the underlying Pou have been faulted where observeable. Near the Sylvester mine and at Queen Hill the faulted contact is pseudo-conformable, and at the latter location the Ꞓm beds are often faulted out.

Sheared grey shales, siltstone and greywacke exposed in the summit cutting of the Comstock tram were assigned to the Dundas Group (Ed) by Opik (1951) on the basis of fossil evidence. However identical lithologies occur in the enclosing Crimson Creek sequence. Insufficient mapping has been done at this location to determine the affinity of these rocks.

South of Comstock mine is a large area of poorly outcropping basic volcanics, shales, siltstones, sandstones, grits, conglomerates and cherts bound to the north by the Tenth Legion Fault. The sequence has been variously ascribed to the Crimson Creek Formation (Blissett, 1962) and the Dundas Group (Poltock, 1981) based on lithological criteria. The monotonous turbidites that are characteristic of Ec elsewhere in the Zeehan area are absent, and this combined with the presence of conglomerates suggests that the rocks do in fact belong to the Dundas Group. However distinguishing between Ec lithologies and non-fossiliferous portions of Ed is often impossible, and some Ec may be present.

On Dunkley's tramway, north of Parting Lake, are scattered outcrops of siltstone, mudstone and shale which Blissett ascribed to the Crimson Creek Formation, but which lithologically bear more in common with the Dundas Group.

Palaeozoic

The east and southeastern portions of the EL are occupied by the large Zeehan Syncline, which has a core of Devonian, Silurian and Ordovician sediments (DSO). The base of the sedimentary sequence within and north of Zeehan townsite is occupied by the Gordon Limestone, which is poorly exposed that it can only be described on the basis of material from old mine dumps (e.g. Tasmanian Crown). It varies from a massive, grey limestone to a black, arenaceous limestone

which decomposes to dark clay that resembles deeply weathered shale in outcrop.

The contact between the Gordon Limestone and older units in the area is interpreted to be a major regional structure, the Despatch Fault, which is the boundary between the Zeehan Syncline and the Heemskirk Anticlinorium to the west. However this contact is rarely exposed and may in part be unconformable.

Apart from the Gordon Limestone, units of the sequence are considered to have little prospectivity for hosting significant tin mineralisation. Therefore for a detailed lithological description, readers are referred to Blissett (1962).

Permian

Tillites (Pt) of the Zeehan Glacial Formation unconformably overly part of the Oonah Formation north and west of Zeehan.

Intrusives

Cambrian gabbros (€g) occur in outcrop SW of Comstock, and south of the Comstock open-cut. At the latter locality they are fine grained and basaltic. This gabbro was intersected at the bottom of drillhole SY001. Additionally, an ultramafic dyke (€us) was mapped in the summit cutting of the Comstock tramway, where it is associated with a significant shear. Other parallel dykes are suspected from ground magnetic data.

A Devonian granitoid ridge is interpreted to extend regionally from the Heemskirk granite toward Pine Hill (Figure 3). Along this ridge, a culmination (cupola) is interpreted beneath Queen Hill, and another culmination may occur beneath the Sylvester grid. However the only granitoid rocks exposed at the surface are a number of thin

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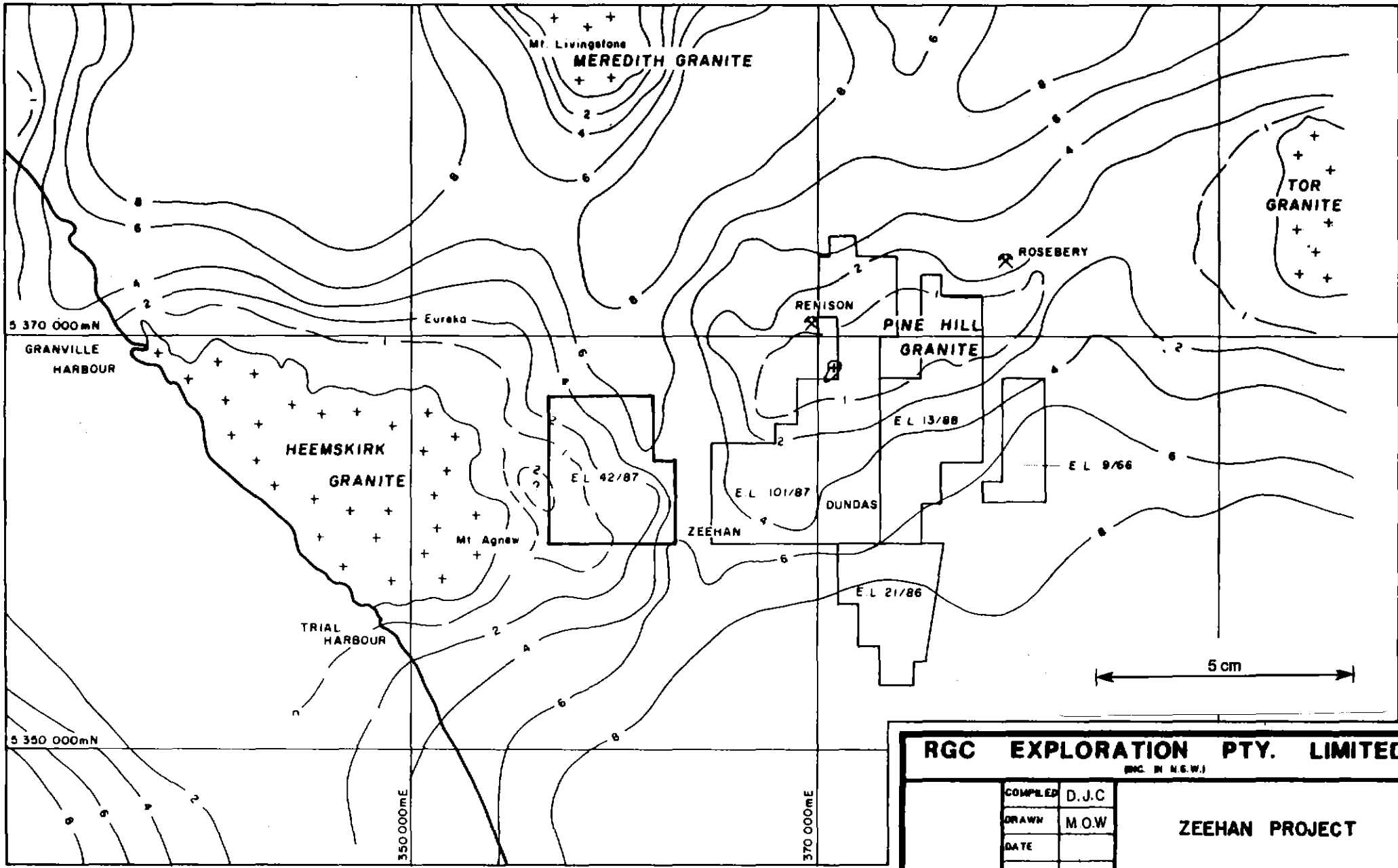


Provisional Interpretation : contours showing top of granite below surface in km.
(Leaman, Jan. 1988)

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED	D.J.C
DRAWN	M.O.W
DATE	
CHECKED	
1:25,000 Reference	

ZEEHAN PROJECT

FORM OF GRANITES

BASE PLAN No.
OVERLAY PLAN No.
SCALE 1:250,000 0 5 10 Kilometres
FIG 3

U19

quartz-porphyry and aplitic dykes scattered around the Zeehan rield. These dykes are often spatially associated with major faults. SY002 intersected a very thin quartz-porphyry dyke in Cc turbidites (Appendix 8).

4.2 Structure

Proterozoic sediments of the Oonah Formation display evidence of an early phase of tectonism that is absent from Cambrian and younger units. This early (D1) deformation has been assigned a mid-Cambrian age from various stratigraphic and tectonic arguments (Berry, 1988). Its main features are:

a) Isoclinal folds in well bedded units, with refolded fold axes.

b) Broad melange zones in Po psammo-pelites. These are folded.

c) Sheared, disrupted mafic-ultramatic complexes occur regionally and have been interpreted as thrust-sheets (allochthonous) by Berry.

The Tenth Legion Fault is possibly a D1 thrust that was remobilised as a brittle fracture during D2 deformation. This major regional structure, which forms the contact between Cambrian units and Oonah sediments, was intersected in SY001 at a depth consistent with a 40-45 degree dip to the NNE. The Oonah sediments in the immediate hangingwall consist of a melange with numerous flat thrusts (Figure 5). These features seem to indicate that the structure began as a late Cambrian thrust, along which Proterozoic Oonah sediments were thrust over Cambrian units.

The D2 deformation of the mid-Devonian Tabberabberan orogeny was the most significant period of deformation in the area. It involved two main phases of deformation:

a) NE-SW compression that produced tight NW trending folds including the Zeehan Syncline and Heemskirk Anticlinorium.

b) NW-SE compression that produced open NE trending folds.

The superimposition of these two phases of deformation produced strong interference patterns of folds that can be clearly seen in Lower Palaeozoic units of the Zeehan area. The more significant NE-SW compression resulted in the development in many areas of a strong NW axial plane cleavage.

The D2 orogeny also produced a series of folds with trends that vary systematically from NNW near Montana SL to WNW around Comstock, giving the appearance of convergence toward a point SE of EL 42/87. A conjugate fracture set trends ENE to NE. The D2 faults vary from small fractures to major regional structures such as the Balstrup Fault, and appear to involve mainly oblique slip displacement. Some structures however show evidence of reverse movement, for example the Zeehan-Montana Main Slide (Blissett, 1962). The numerous NW and NNE trending fissure veins of the Zeehan silver-lead field developed around the same time.

The Heemskirk batholith is thought to have intruded toward the end of the D2 event, and is known from regional gravitational data (Figure 3) to extend as a ridge beneath Zeehan townsite. The form of the intrusion appears to have been controlled by major D2 folds and regional structures, with culminations occurring between major anticlinal axes where they cross the regional trend.

Finally, there is evidence of post-Permian thrusting 4km NW of Zeehan townsite, where Proterozoic quartzites of the Oonah Formation are thrust over Permian tillites of the Zeehan Glacial Formation in the vicinity of the abandoned Montana SL mine.

The dominance of D2 deformation has resulted in folding and dislocation of D1 features to the extent that they have become almost impossible to map and interpret.

4.3 Mineralisation

Virtually all economic production from the Zeehan Field was silver-lead, and most of the major mines were located within the boundaries of EL 42/87. The ore occurred as lodes occupying impersistent tensional fissures that mostly trend NW and NNE. They rarely occupied major structures, but often appear to be spatially related to them (e.g. Oonah, Montana). Host lithologies have little effect on mineralisation, and wallrock alteration is mostly absent.

A regional mineralogical zonation pattern has long been recognised for the lodes, based primarily on distance from the Heemskirk granite. Beyond the limits of contact metasomatism, the following generalised zones were recognised:

a) Pyritic Belt; Lodes contain sphalerite-galena in a pyritic gangue.
b) Sideritic Belt; Lodes contain mainly galena in a sideritic gangue.

The Pyritic belt occurs closer to the granite, with the anomalous exception of the Queen Hill area. With increasing distance from the granite, galena becomes dominant over sphalerite, and siderite becomes the dominant gangue mineral. Systematic changes in sphalerite geochemistry parallel this zonation, and involves a decline in Fe S content, and a sudden drop in Mn S content with the first appearance of siderite.

Queen Hill is anomalous firstly in that pyritic lodes dominate within a portion of the regional "Sideritic Belt",

and secondly in that economic concentrations of tin occur in many or them. Three main styles of mineralisation are present:

a) Fissure Lode; e.g. Stannite Lode, Clarkes Lode.
b) Shear hosted stockworks; e.g. Severn.
c) Carbonate replacement; e.g. Montana, Queen Hill.

In the three main Queen Hill orebodies (Severn, Queen Hill, Montana) tin occurs principally as fine grained cassiterite in the range 20-70 micron. Despite differing ore morphologies, all three exhibit upward and outward zonation from sellaite-tourmaline-pyrrhotite-arsenopyrite (minor pyrite-marcasite-topaz) to siderite-flourite-pyrite (minor pyrrhotite) reflecting the general paragenetic sequence (Anderson, 1986). Cassiterite grainsize is reported to increase with depth, and the stannite content declines. Pyrite is the dominant sulphide as a result of the retrogressive alteration of pyrrhotite.

Fissure lodes at Oonah and Queen Hill exhibit complex mineral assemblages, including various combinations of stannite, cassiterite, chalcopyrite, arsenopyrite, galena and sphalerite in a gangue of pyrite and/or quartz, and to a lesser extent siderite. Some lodes exhibit internal mineral zonation, for example the so-called Silver Lode of the Oonah mine changes from a galena-siderite to a tetrahedrite-chalcopyrite-siderite lode at depth and a similar zonation was noted with lodes of the Zeehan-Western mine.

The mineralogical zonation and distribution of orebody morphologies at Queen Hill is consistent with the postulated presence of a cupola located at depth beneath the area. A deep seated cupola intruded at depth toward the end of D2

deformation would have generated a convective cell of hydrothermal fluids of magmatic origin focussed above the cupola. Pre-existing and co-eval structures would have provided conduits for the upward migration of these fluids to sites of deposition and/or carbonate replacement, at suitable conditions of pressure and temperature. Eventual cooling of the granite would have resulted in collapse of this convective system and the subsequent inflow of heated fluids of meteoric origin. This is interpreted to have resulted in the telescoping of earlier localised tin mineralisation and later, broadly zoned silver-lead-zinc veining. Fluid mixing at the contracting interface would result in intermediate styles of mineralisation.

5. WORK COMPLETED 1989/90

5.1 Land Acquisition

Work completed during 1988/89 suggested that the Comstock area, held by Oceania as M.L.'s 123M/47 and 43M/85, was prospective for Renison/Queen Hill style tin mineralisation. Approaches were made to Oceania and a verbal agreement was reached allowing RGC Exploration access to explore the area.

Early work in the area supported the view that the area was highly prospective, so negotiations began with Oceania with the aim of procuring an Option to Purchase agreement over the two M.L.'s. Exploration continued while the Option Agreement was being prepared.

The Agreement was finally completed on May 18th, 1990. It gives Renison Ltd. a 5 year option period in which to determine if it wishes to purchase the tenements. During that period Renison is exclusively entitled to conduct exploration on the tenements, and is responsible for ensuring that minimum work commitments are met and reporting obligations to the Tasmanian Division of Mines and Mineral Resources are complied with.

Oceania is entitled to continue exploration and small scale mining on the tenements, the latter to a maximum depth of 50 metres, and a maximum annual production of 36,500 tonnes of ore. Renison retains absolute priority in respect of any portion of the M.L.'s it wishes to conduct exploration, and may give Oceania 12 months notice to cease any mining operations in the case of the option being taken up.

5.2 Access and Gridding

Access along existing roads and tracks was generally adequate, and only minor clearing of some overgrown tramways was required. When drilling commenced, a few truckloads of gravel (floats from Renison HMS plant) had to be laid along short boggy stretches of the access roads to maintain access to drill support vehicles. Access along the Horse Paddock road became very difficult during the drilling of SY 002, as the road has a clay base and became very greasy and rutted.

Two grids were constructed, with survey pegs at 25m. intervals along lines 200m apart. Both grids were designed to conform as closely as possible to AMG co-ordinates, and the starting points were surveyed in by a contract surveyor. The grids were constructed by contractor Rod Purton.

The Parting Lake grid extends north from Montana Hill and involved about 17km of gridding. The Sylvester grid extends west from Queen Hill and involved about 30km of gridding. All lines were surveyed using topoline, compass and clinometer and errors in grid-peg numbering were corrected. The grids were then plotted on 1:5000 and 1:25,000 plans (refer Plan No. 4).

5.3 Geological Mapping

Contract geologist Dave Simpson was employed to map both grids, and his work mainly involved logging of all auger hole cuttings, because of the general paucity of outcrop along grid lines. His work is included as Plans 8-10, and Appendix 7.

The author completed mapping of all roads, tramways, and old workings, a task which was started during the 1988/89

season. Most of the mapping pre-dates the grids, and is plotted relative to topography on 1:5000 plans (Plan Nos. 5-7). Discrepancies of up to 50 metres between the location of topographic features with respect to grid pegs on the ground, and the position of the features with respect to the grid as shown on 1:5,000 plans was noted in some areas (e.g. Line 57800mE, near Comstock Open Cut). For this reason, the geology on these plans is "distorted" with respect to the grid.

Airphoto Interpretation, begun in 1988/89, was completed by the author and is included as Plan 3.

5.4 Geochemistry

A C-Horizon soil auger programme was completed over both grids at 25m intervals by contractor Chris Cooney, using a motorised auger. The shallowness of soil cover in the area made this the most cost effective sampling method. Sample locations are shown on Plans 11-13.

All samples were submitted to Analabs and analysed for Cu Pb Sn (AAS) and Sn (XRF). Some samples were also analysed for Bi Ni. Analabs forwarded sample pulps to Becquerel, who analysed for Sb As Ba Br Ce Cs Cr Co Eu Au Hf Ir Fe La Lu Mo K Rb Sm Sc Se Zn Zr using neutron activation. All analytical results have been reviewed and entered into the RGC Prime database. These results are included as Appendix 2.

In all, 1,654 C-Horizon samples were submitted, including 78 standards. A comparison of gold values determined by Becquerel, and the values calculated by RGC, are shown as Table 1.

In addition, 59 rock chip samples were collected and

TABLE 1
GOLD STANDARDS

Sample No.	Standard Identifier	Mean Grade	Acceptable Range (95%)	Value obtained by analysis
T11870	B3	50	40-60	68
T11880	B4	250	180-330	260
T11890	B4	250	180-330	290
T23920	FMC4	370	330-410	390
T23940	MAG	540	460-620	748
T23960	B4	250	180-330	290
T24320	FMC1	236	150-320	340
T24340	FMC1	236	150-320	270
T24360	FMC1	236	150-320	240
T24380	FMC1	236	150-320	230
T24400	FMC1	236	150-320	250
T24420	FMC1	236	150-320	220
T24440	FMC1	236	150-320	220
T24460	FMC1	236	150-320	220
T24480	FMC1	236	150-320	210
T24500	FMC1	236	150-320	430
T24520	FMC1	236	150-320	220
T24540	FMC1	236	150-320	210
T24560	FMC1	236	150-320	420
T24580	FMC1	236	150-320	240
T24600	FMC1	236	150-320	220
T24620	B3	50	40-60	45
T24640	B3	50	40-60	56
T24660	FMC1	236	150-320	230
T24680	FCM1	236	150-320	230
T24700	B3	50	40-60	60
T24720	FMC1	236	150-320	210
T24740	B3	50	40-60	55
T24760	FMC1	236	150-320	240
T24780	B3	50	40-60	52
T24800	FMC1	236	150-320	250
T24820	B3	50	40-60	54
T24840	B3	50	40-60	56

all values are in ppb

RGC EXPLORATION PTY. LIMITED

TABLE 1 (Contd)

Sample No.	Standard Identifier	Mean Grade	Acceptable Range (95%)	Value obtained by analysis
T25680	B3	50	40-60	57
T25700	FMC1	236	150-320	260
T25720	B3	50	40-60	71
T25740	B3	50	40-60	39
T25760	FMC1	236	150-320	160
T25780	B3	50	40-60	47
T25800	FMC1	236	150-320	170
T25820	B3	50	40-60	56
T25860	B3	50	40-60	130
T25860	FMC1	236	150-320	160
T25880	FMC1	236	150-320	200
T25900	B3	50	40-60	41
T25920	B3	50	40-60	69
T25940	FMC1	236	150-320	300
T25960	B3	50	40-60	84
T25980	FMC1	236	150-320	230
T26000	FMC1	236	150-320	400
T26020	B3	50	40-60	53
T28520	B3	50	40-60	58
T28540	B3	50	40-60	65
T28560	B4	250	180-330	260
T28580	B4	250	180-330	270
T28600	B3	50	40-60	65
T28620	B3	50	40-60	74
T28640	B4	250	180-330	260
T28680	B3	50	40-60	60
T28700	B4	250	180-330	270
T29220	B4	250	180-330	260
T29240	FMC1	230	150-320	250

TABLE 1 (Contd)

Sample No.	Standard Identifier	Mean Grade	Acceptable Range (95%)	Value obtained by analysis
T24860	B3	50	40-60	55
T24880	FMC1	236	150-320	240
T24900	B3	50	40-60	51
T24920	B3	50	40-60	54
T24940	FMC1	236	150-320	340
T24960	B3	50	40-60	220
T24980	B3	50	40-60	59
T25000	FMC1	236	150-320	200
T25120	B3	50	40-60	77
T25180	FMC1	236	150-320	240
T25200	FMC1	236	150-320	250
T25220	B3	50	40-60	79
T25240	B3	50	40-60	120
T25260	B3	50	40-60	53
T25280	FMC1	236	150-320	250
T25300	B3	50	40-60	54
T25320	FMC1	236	150-320	360
T25340	FMC1	236	150-320	240
T25360	FMC1	236	150-320	220
T25380	B3	50	40-60	52
T25400	FMC1	236	150-320	260
T25420	FMC1	236	150-320	250
T25440	FMC1	236	150-320	220
T25460	FMC1	236	150-320	240
T25480	B3	50	40-60	71
T25500	B3	50	40-60	57
T25520	B3	50	40-60	76
T25540	FMC1	236	150-320	370
T25580	FMC1	236	150-320	210
T25600	B3	50	40-60	63
T25620	FMC1	236	150-320	230
T25640	FMC1	236	150-320	240
T25660	B3	50	40-60	56

all values are in ppb

submitted to Analabs/Becquerel for the same range of elements listed above. Sample locations are also shown in Plans 11-13, and results are included as Appendix 3.

5.5 Geophysics

A ground magnetic survey was carried out over the entire Sylvester grid by contractor Brendon Stedman, using a proton-precession magnetometer with a sensor height of 3m. Readings were taken at 5 metre intervals and recorded onto floppy discs, which were despatched to Tesla 10 (Perth) for processing into contour plans and stack-profiles. The data is presented as Plans 14-15, and Appendix 5.

Interpretation of the 1988/89 helicopter magnetic survey flown by Geoterrex Pty. Ltd. was completed by Bruce Wyatt, and the portion that covers E.L. 42/87 is included as Appendix 6. A gap in the data occurs over Zeehan townsite, because permission could not be obtained to conduct low altitude passes over the residential area. Compilation and interpretation of the aeromagnetic data was delayed considerably by an Australia-wide shortage of geophysicists.

5.6 Drilling

SY001 was originally drilled for Oceania P/L by Diamond Drilling (Tas) P/L but was never logged or sampled. The core was surrendered to RGC Exploration once verbal agreements had been reached with Oceania over exploration of their M.L.'s. The core was taken to RGC Exploration's new coreshed at Zeehan and logged, photographed, measured for RQD and recovery, then selectively split and submitted for analysis.

SY002 and SY003 were drilled for RGC Exploration in HQ and NQ by Diamond Drilling (Tas) P/L using an L38 skid mounted rig moved onsite by bulldozer, along existing tracks. Site clearing was minimal, and hay bales were utilised to contain drilling fluids. All core was moved to the Zeehan coreshed where it was logged, photographed, measured for RQD and recovery, then selectively split and submitted for analysis.

Samples were split over 1 metre intervals, except where modified to conform to lithological boundaries. All sample splits were submitted to Analabs for analysis for Cu Pb Zn (AAS), and Sn (XRF). Sample pulps were re-submitted to Becquerel and analysed for Sb As Ba Br Ce Cs Cr Co Eu Au Hf Ir Fe La Lu Mo K Rb Sm Sc Se Zn Zr using neutron activation. Results are included as Appendix 4.

Drill logs are included in Appendix 8, drill locations are shown on Plan 4, and drill sections are provided as Plans 16-18.

SY001 was drilled from the southeast edge of the South Comstock Opencut. It was collared at approximately 5360200mN/57540mE (AMG) at an inclination of -62 degrees and an azimuth of 210°. The area has been rehabilitated and the collar is no longer visible, hence the location is only approximate.

The hole was drilled to test for extensions southward of the Comstock main Lode, which was being mined by Oceania at the time.

SY002 was drilled from the "Horse Paddock" road, at approximately 5361355mN/358880mE (AMG). It was inclined at -50 degrees and azimuth of 192°. The hole was aimed at a broad zone of "spotty" Sn-W-Au anomalies in Crimson Creek turbidites. The anomalous zone is diffuse, and

approximately parallels the Sylvester fault. The hole totalled 534.5 metres, and was cased with slotted PVC on completion.

SY003 was drilled from the old Comstock Tramway, at approximately 5360770mN/357790mE (AMG). It was inclined at -48 degrees, bearing 197°. The hole was aimed at a broad, linear Sn-Au-Pb-Zn-Sb anomaly that extends for 1.2km within Oonah sediments in the footwall of the Balstrup fault. The hole totalled 526.5 metres. The metal casing at the top of the hole could not be extracted, and as a result slotted PVC could not be lowered down the hole inside NQ rods. Instead, unslotted PVC was manually lowered down the hole.

The collars of SY001-003 have not been surveyed.

6. RESULTS

6.1 Sylvester Grid

6.1.1 Geology

The grid is dominated by shallow water psammo-pelites of the Upper Oonah Formation (Pou) and exhibits marked lateral facies variation. In the northern half of the grid, the Pou sequence contains significant quantities of intercalated spilitic lavas and tuffs of the Montana spilites (Pom), with minor amounts of associated dolomites. However along the southern margin of the grid, Pou contains almost no spilites, and carbonates (mostly dolomitic) become one of the dominant lithologies.

The spilites are dominated by vesicular lavas which are grey-green when fresh, but which are generally weathered deeply to form an orange-brown massive clayey rock with remnant vesicular textures. Thin beds of coarse volcanic agglomerate form a minor component. Where freshly exposed along the Trial-Harbour road, the relationship between the spilites and host sediments is complex. The spilites are conformable to the sediments overall, when mapped at regional scale, however in detail the contacts are irregular and interfingering, and often cross-cut sedimentary layering. At least some of these cross-cutting contacts are thrust-faulted, but others appear intrusive. Southwest of the Sylvester mine, the spilites rapidly thin out, and the vesicular lavas give way to tuffaceous siltstones. In the vicinity of Comstock spilites are rare.

Carbonates are dominantly dolomitic, but limestones also occur, for example north of the Comstock opencut. At Comstock, the carbonates are generally deeply weathered, and cross-cut by a number of approximately linear ironstones that have developed as gossanous caps on pyrite lenses

within the carbonate. The underlying pyrite is exposed in shallow trenches and workings across the ironstones, and contains appreciable sphalerite and galena (Subsection 6.1.2). Where intersected by SY003, the carbonates vary from grey, massive stylolitic dolomite to a mixture of recrystallised (ferroan?) dolomite with lesser amounts of calcite, siderite and magnesite. These recrystallised carbonates preserve no primary textures, and contain significant sulphide mineralisation (discussed in sub-section 6.1.4). The sulphide mineralisation is interpreted as the primary source of the extensive ironstones that cap decomposed carbonates in the Comstock area. Talcose alteration of these carbonates is also widespread in the Comstock area, for example in Comstock South opencut.

The psammo-pelites of the Upper Oonah include grey siltstones, black carbonaceous shales and interbeds of massive grey, saccharoidal, often micaceous sandstone. These lithologies are often finely interlaminated, and as such typically exhibit intraformational slump structures which are often seen to be truncated by subsequently deposited lamellae. These laminated units are interpreted as having deposited in an intertidal environment, and resemble the Renison Bell member at Renison Mine. The lamellae are often dolomitic.

Broad, irregular melange zones are present in the Upper Oonah, and characteristically consist of angular to lenticular fragments of competent lithologies (mostly sandstone) in a matrix of sheared, graphitic shale. The only good outcrop of a melange is on the Tasmanian tramway south or South Comstock opencut exposed in a cutting. At this location the melange is adjacent to the Tenth Legion fault, which forms the contact between Oonah sediments and Cambrian microgabbros/basic lavas. It consists of angular to lenticular fragments mainly of sandstone arranged in a

roughly imbricate pattern.

Deformation of Oonah sediments is intense throughout, and finely bedded sediments occasionally exhibit early (D1) isoclinal folds with fold axes sub-parallel to bedding and affected by later, more open D2 folds. A well developed penetrative schistosity with a SE trend is present within ductile carbonaceous shales near Sylvester mine.

The central portion of the Comstock grid is occupied by a poorly outcropping sequence of mudstones, lithic-arenites, lithic-wackes and greywackes of the Crimson Creek Formation. This monotonous turbiditic sequence of epiclastics is composed almost entirely of labile lithic and crystal detritus (feldspars, mafics etc.) of intermediate to mafic composition. Quartz detritus is rare. As a result, the sequence tends to weather pervasively to form an orange/brown clayey rock, with primary textures obliterated. This weathering penetrates deeper in hilly, well drained areas, and conversely on button-grass flats the shallower water table and anaerobic conditions result in only surficial weathering.

Minor carbonates, tuffs and tuffaceous siltstones have also been mapped within the Crimson Creek Formation, and in the eastern half of the grid shales and siltstones have been recorded. Fossil evidence suggests that some of these, in the Summit cutting of the Comstock Tramway, belong to a small outlier of Dundas Group sediments (Subsection 4.1).

The sequence is significantly less deformed than the older Oonah sediments, and in DDH's SY002 and SY003 the BLA's tend to remain fairly constant in contrast to Oonah sediments. In SY002, rythmically graded beds in Crimson Creek turbidites face consistently downhole (i.e. to the south) whilst Oonah sediments display facing reversals both

in DDH intersections and in outcrop. This reflects the more complex deformational history of the Oonah sediments.

The basal contact with the Oonah Formation is not exposed, and in SY002 and SY003 this contact is faulted. Based on the more complex deformational history of the Oonah sediments, unfaulted contacts (if they exist) are expected to be represented by an angular unconformity.

The main observeable structural features are a series of major sub-parallel WNW trending faults that include the Tenth Legion, Balstrup and Sylvester faults. Another conjugate set of faults trends NNE. The faulting is complex, and occurs at all scales. Structures vary from discrete structures representing brittle failure in competent rocks such as sandstones, to diffuse shear zones in more ductile carbonaceous shales. Where sheared, the carbonaceous shales become very graphitic, presumably as a result of strain partitioning. Graphitic shears to the south of and sub-parallel to the Balstrup fault are probably responsible for the conductor anomalies picked up by an airbourne DIGHEM survey flown over the Stonehenge grid (Roberts et al, 1983).

The magnitude and sense of displacement of these structures is generally only possible to determine for major structures such as the Balstrup and Sylvester faults. These structures appear to involve oblique-slip displacements of at least a kilometre. They relate primarily to the D2 compressional event that produced the Zeehan syncline and other NW trending folds in the Zeehan area. Based on intersections in SY002 and SY003, they both dip steeply northward (at about 80 degrees).

The Tenth Legion fault exhibits a more complex deformational history. A steeply dipping breccia zone marks the faulted

contact between Cambrian gabbros and deformed Oonah sediments on the Trial Harbour Road (Figure 5). However the adjacent Oonah sediments are intensely strained, and an adjacent melange on the Tasmanian tramway (south of Comstock open cut) contains numerous flat thrusts. Further north of the fault there are a number of other flat thrusts cut by steep normal faults. SY001 intersected the fault at 188.6 metres, where it formed the contact between altered Cambrian gabbro and intensely metasomatised (skarn-like) melange. This intersection is consistent with the Tenth Legion fault having a NNE dip of about 40-45 degrees. The fault probably started as a late Cambrian thrust, along which Oonah sediments were thrust over Cambrian units. The melange may be part of this ductile deformational event. The fault then appears to have remobilised during the Devonian (D2) event to produce the steep-dipping brittle fracture zone.

Shallow, small-scale thrusts are also observeable along the cuttings of the Trial Harbour road east of gridline 59400mE.

Oonah sediments caught up between the Balstrup and Tenth Legion faults are particularly highly deformed. Numerous tensional structures trending NW and arranged en-echelon cross-cut the area near Comstock, and host the pyrite-sphalerite-galena mineralisation of the Boss mine area. It was probably one of these lodes that was intersected in SY003 (148.7-158.2m). These lodes are focussed where the Balstrup "bends" from a WNW to a NW trend. Hydrothermal fluid access was probably faulitated by tensional opening of the structure at the bend as the result of subsequent transcurrent displacement. The lodes are represented at the surface by ironstones.

The Sylvester fault forms the contact between Crimson Creek turbidites and the Oonah sediments in the northern half of

059

424041

Mine access roads.

Scree and Rubble on steep slope

Cemented Mine Fill. Probable former stope

Massive pyrite-sphalerite-galena. Remnant ore.

Blackshale-dolomite-quartzite tectonic breccia. Oxidised sulphide in matrix.

D — Massive dolomite. Talcose alteration. Unmineralised.

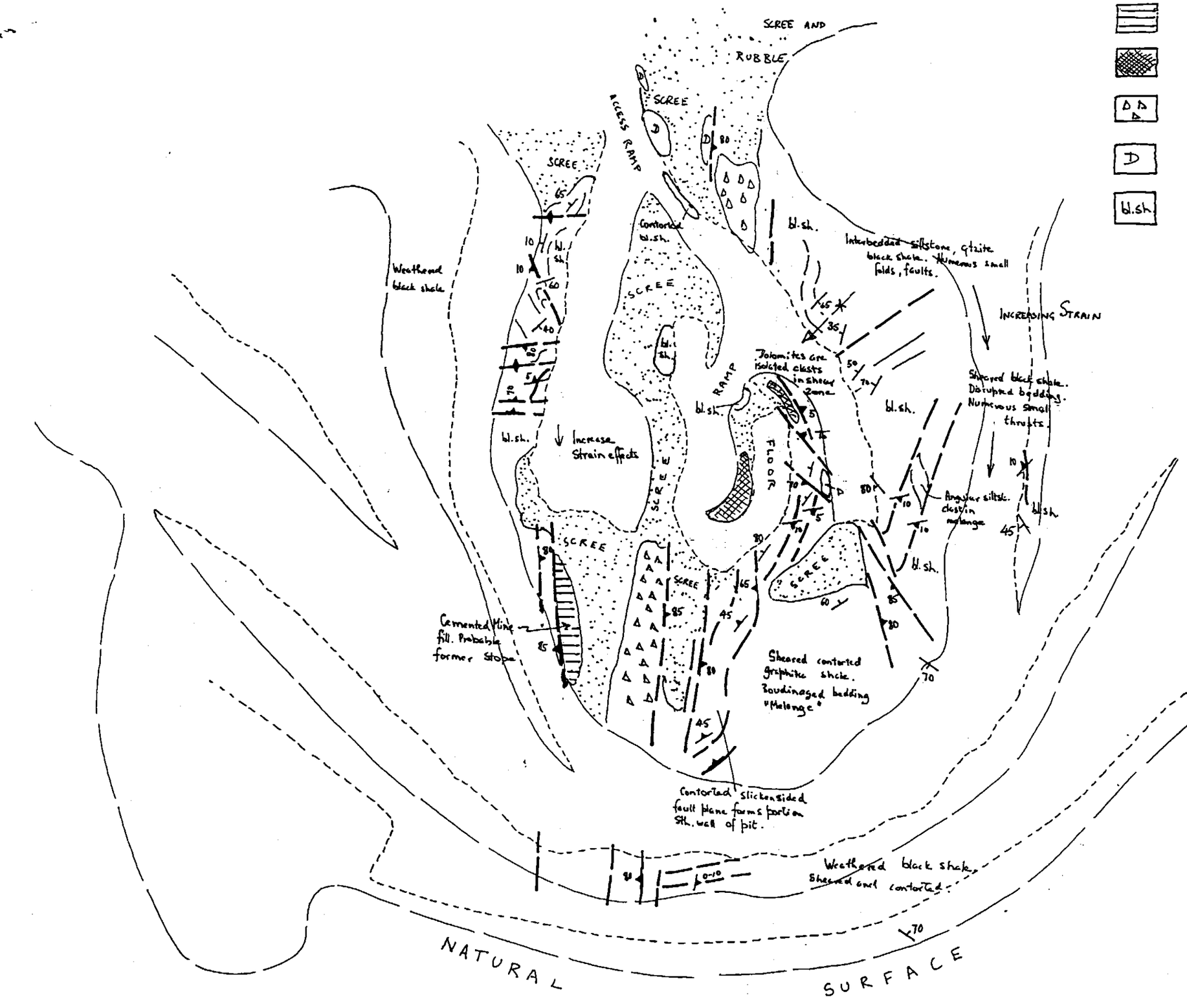
bl.sh. — Black graphitic shale/siltstone. Minor quartzite interbeds

35 — Strike and dip of bedding

80 — Strike and dip of fault

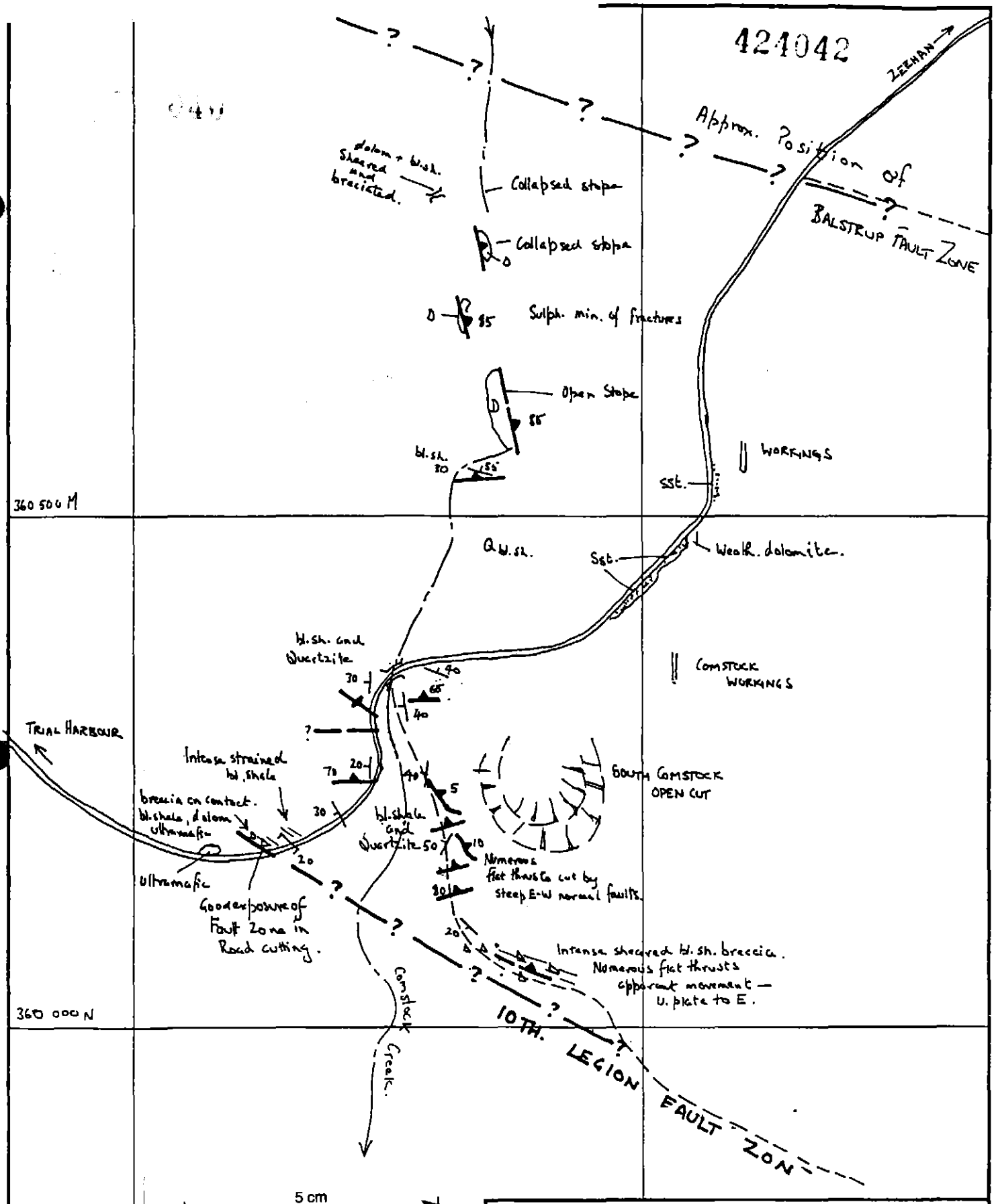
Boundary of outcrop.

Fault.



5 cm

GOLD FIELDS EXPLORATION PTY LIMITED INCORPORATED IN NEW SOUTH WALES		
GEOLOGIST	ROGER MARSHALL BANKS	GEOLOGY OF SOUTH COMSTOCK OPEN CUT, ZEEHAN
DRAWN	R.M.	
DATE	2/90	
CHECKED		
1:250000 REF		
SCALE 1: 500	0 10 20 M.	FIG. 4



GOLD FIELDS EXPLORATION PTY LIMITED INCORPORATED IN NEW SOUTH WALES		
GEOLOGIST	RWM.	OUTCROP GEOLOGY IN THE VICINITY OF THE COMSTOCK OPEN CUT
DRAWN	RWM	
DATE	2/90	
CHECKED		
1:250000 REF.		
SCALE: 1 : 5000		Fig. 5

the grid. The Balstrup fault forms the Crimson Creek-Oonah contact in the south half over most of its length, however where intersected in SY003 the main fault zone was entirely within Crimson Creek turbidites and a relatively minor fault forms the contact.

6.1.2 Geochemistry

The C-Horizon soil geochemistry programme outlined a significant Pb Zn Sb As Au Sn anomaly within deformed Upper Oonah sediments in the footwall of the Balstrup fault. The anomaly is a broad, linear zone about 200-300 metres wide extending from 57600mE/60500mN to 58600mE/60300mE. It coincides with a zone of trace element depletion, characterised by very low levels of Ba Ce Cs Eu La Lu Rb Sm Sc Ta Th Yb. The host rocks are dominantly carbonates and quartzites, which accounts for the low trace element values. The area includes the numerous ironstones mentioned in the previous sub-section. Drillhole SY003 was drilled to test the anonaly at depth (Sub-section 6.1.4).

A second major anomaly occurs within Crimson Creek turbidites south of the Sylvester fault. It forms an ill-defined oval shaped zone of spotty Au As Sn W values extending between 58800mE/61200mN and 59000mE/61200mN. SY002 was designed primarily as a stratigraphic hole, but was also positioned to test this zone at depth.

A third significant anomaly involving Au Sn W As extends (with breaks) from 58200mE/605050mN to 59000mE/60550mN, within turbidites of the Crimson Creek Formation. It has not been followed up. Numerous other anomaoous Au Sn W and As values occur scattered throughout the turbidites.

Two other Sn-W-(Au) anomalies occur in Oonah sediments close to the base of the Upper Oonah. One extends from 57800mE/61800mN to 58200mE/61800mN, the other is centred on

57600mE/61000mN.

Anomalies other than those outlined are mostly single-point anomalies probably representing silver-lead-zinc veins or old mullock heaps.

The use of multi-element analysis enabled geological interpretation to be improved by firstly determining the trace element signatures of the main rock types, and then by using the observed trace element distributions to extrapolate the positions of such lithologies in areas of little or no outcrop. Typical geochemical patterns for the main lithologies are:

a) Spilites - elevated Ce Cr Co Eu Fe La Sc Sm Ta (Br).

b) Crimson Creek turbidites - elevated Cu Cr Fe Sc (Br Co Sm).

c) Oonah Carbonates - very low Ba Ce Cs Eu La Lu Rb Sm Sc Ta Th Rb Yb
- spot highs for Fe

d) Oonah sandstones - as for carbonates, but no Fe highs.

e) Others - too subtle to use

An attempt was made to use trace elements to recognise structures and areas affected by hydrothermal fluids of magmatic origin capable of carrying tin. The aim was to recognise such alteration beyond the limits of actual tin mineralisation. However, the trace elements that are characteristic of fractionated granites (e.g. Rb, Cs) have distribution that are obviously strongly controlled by lithology. This is due to the substitution of these elements in K-bearing minerals such as micas, resulting in high values in rock types containing large concentrations of these minerals. There is a strong correlation with K as a result. Any anomalies due to hydrothermal fluids were therefore masked.

6.1.3 Geophysics

The ground magnetic survey located all Aeromagnetic anomalies (Appendix 6) that were situated in the survey area.

The survey located anomaly 378 and delineated two sources. The main source is interpreted as an ellipsoid a kilometre long and 400m wide trending at 110 degrees and dipping southward at 60 degrees, with an interpreted depth to top of 140 metres and magnetic susceptibility 0.11 (SI). The secondary source is 80 metres wide, 400 metres long and 30 metres deep, with a trend of 70 degrees and a 70 degree dip southward. Its interpreted susceptibility is 0.04 (SI).

The main source is interpreted to be a magnetite skarn, based on DDH SY003, which passed close to the southern margin of the source and encountered pyrrhotite-magnetite replacement material in carbonates. The secondary source may be a pyrrhotite body, based on the lower susceptibility, and is therefore regarded as a high priority target for drilling.

Anomaly 379 was represented in the ground magnetic data by sharp spikes on several lines, indicating a narrow, shallow source trending E-W through the Sylvester mine area. The anomaly was followed-up using a proton precession magnetometer and on line 58000mE was traced to a massive pyrite lense exposed in a creek just west of 58000mE/61300mN. The pyrite is probably replacing pyrrhotite near surface, the latter being the interpreted source.

Anomaly 375 was traced to a serpentinite dyke with the aid of ground magnetics, and 377 plots on Cambrian gabbro and is probably caused by (primary ?) magnetite in the gabbro.

The ground magnetic survey also picked up several E-W trending features too subtle to be discernible in the aeromagnetic data. DDH SY002 passed under one such linear feature, and the source may be the vein intersected over 272.4-276.0m, which contained remnant pyrrhotite.

The other E-W features will need to be followed-up, with priority given to those that seem to co-incide with geochemical anomalies or interesting geological features. Many plot in areas of poor or no outcrop and the source may be impossible to locate.

6.1.4 Drilling

SY001 summary log:

0.0-69.2m;	Oonah carbonaceous siltstones & shales, partly sheared.
69.2-86.3m;	Oonah finely interbedded limestone and limey siltstones and shales, exhibiting slump structures 85.7-86.3m; intensely altered
86.3-94.2m;	Oonah sandstone
94.2-118.4m;	Oonah interbedded sandstone, shale with thin melange zones (1.5m)
118.4-136.9m;	Oonah melange
136.9-141.8m;	Oonah dolomite, silicifed.
141.8-152.7m;	Skarn; Qt-Cc-Ac-Mg-Chl-Tc-Gn (Sl, Gl) 140.3-149.0m; 0.6%Pb, 0.4%Zn.
152.7-154.5m;	Oonah sandstone
154.5-177.0m;	Oonah melange with patchy metasomatism
177.0-188.6m;	Skarn; Cc-Ac-Chl-Ep. Replacing melange.
188.6-193.0m;	Cambrian Gabbro, altered.

The finely interlaminated unit over the interval 69.2-86.3m contains thin zones of intraformational slumping which are truncated by subsequent lamellae. These are interpreted as

due to tidal drag. The unit resembles the Renison Bell Member at Renison (refer Plate 1).

The sediments are also highly contorted and fractured as a result of tectonic deformation. Metasomatic alteration is also present, and both deformation and alteration increase in intensity downhole. The partially metasomatised melange over the interval 154.5-188.6 represents the Tenth Legion Fault (refer Plate 2).

For skarn mineralogy refer to Appendix 1, Sample Nos. T19338-19340.

SY002 summary log:

0.0-83.2m;	Oonah melange
83.2-96.9m;	Breccia-fragments of sandstone, siltstone & mudstone (Crimson Creek?)
96.9-109.9m;	Crimson Creek siltstone & mudstone
109.9-113.5m;	Carbonated mafic dyke (Appendix 1, T26213).
113.5-128.9m;	Crimson Creek mudstone & lithic-arenite
128.9-129.7m;	Fault
129.7-272.4m;	Crimson Creek lithic-arenite & mudstone 224.3-239.5m; dolomite interbeds 226.4-227.3m; thin quartz-porphyry dyke 270.0-272.4m; Py-Sl-Gl stockwork
272.4-276.0m;	Vein of Py-Qt-Sd-Pr-As-Gl-Sl 1.7%Pb, 6.4%Zn, 295 ppb Au
276.0-320.2m;	Crimson Creek lithic-arenite & mudstone 276.0-286.8; Py-Qt-Sl stockwork
320.2-332.0m;	Fault
332.0-395.0m;	Crimson Creek sandstone, siltsone & mudstone
395.0-396.0m;	Fault
396.0-426.9m;	Oonah finely interlaminated siltstone & sandstone 406.3-407.9; Dolomite
426.9-463.8m;	Oonah interbedded siltstone & sandstone

463.8-475.0m; Oonah dolomite
475.0-482.9; Oonah siltstone/mudstone
482.9-500.2; Oonah dolomite
500.2-511.0; Oonah mudstone
511.0-530.1; Oonah melange
530.1-534.5; Oonah? lithic arenite and mudstone

The hole collared in a broad melange identical to those logged in SY001 and 003. The breccia zone over the interval 87.0-96.9m appears to contain fragments of both Oonah and Crimson Creek origin, and is the interpreted position of the Sylvester Fault.

The hole enters a monotonous sequence of Crimson Creek turbidites in the footwall of the Sylvester fault. They are relatively undeformed, BCA's remain fairly constant at 45-50°, and graded beds face consistently downhole (i.e. to the south). The sequence completely lacks the structural complexity of the Oonah Formation, which typically displays variable BCA's, tight folding and facing reversals in core.

The base metal vein at 272.4-276.0m is weakly anomalous for tin, and its margins are at about 35 degrees to CA, giving a true thickness of 2.1 metres. It is surrounded by stockwork veining, and the combined interval 271.0-283.0m which includes the vein and stockwork, averages 0.8%Pb, 2.5%Zn and 113ppb Au.

At 395.0m the hole passes through a 1m fault into typical Oonah sediments, which exhibit the usual characteristic deformation features (e.g. graphitic shears, variable BCA's, etc.). The sediments also contains dolomite interbeds, up to 17m. thick. Refer Plate 4.

After passing through a second melange zone, the hole ended in mudstones and lithic arenites of uncertain affinity.

The presence of a fault window of Oonah sediments below steeply dipping Crimson Creek turbidites introduces a difficult problem of interpretation, which so far has not been resolved.

SY003 summary log:

0.0-91.1m;	Crimson Creek lithic-wackes & mudstones
91.1-106.5m;	Fault (Balstrup) - puggy, broken, pyritic
106.5-134.0m;	Crimson Creek lithic-wackes, arenites & mudstones
134.0-135.0m;	Fault
135.0-147.0m;	Oonah melange
147.0-148.7m;	Fault, at 45 degrees to CA
148.7-158.2m;	Massive Py-Qt-Sl-Gl lense, vuggy 148.0-158.2m; 3.26%Pb, 6.41%Zn, 40.4ppm Ag.
158.2-166.8m;	Oonah siltstone, dolomite-sheared, brecciated
166.8-265.0m;	Oonah carbonate-mostly recrystallised (ferroan?) dolomite with replacive patches of Py-Pr-Mg.
265.0-318.7m;	Oonah siltstone with minor sandstone, melange
318.7-322.2m;	Oonah mudstone, sheard, altered
322.2-405.2m;	Oonah carbonate - partially talcose dolomite 382.3-389.7; 1.63%Pb, 1.60%Zn, 0.17%Sb, 37.2ppm Ag
405.2-418.4m;	Oonah interbedded shale, carbonate, siltstone
418.4-431.5m;	Oonah carbonate - partially talcose dolomite
431.5-486.2m;	Oonah carbonate with replacive patches of talc-carbonate and serpentinite-magnetite skarns 485.8-486.2; Skarn; Se-Pr-Tc
486.2-505.0m;	Oonah interbedded sandstone, siltstone, dolomite
505.0-526.5m;	Oonah melange

The Balstrup Fault is interpreted to occur over the interval 91.1-106.5m, which is a broad, clayey, broken interval of strongly faulted lithic-wackes. The zone proved difficult to drill and recovery was poor. (Plate 5)

The Crimson Creek-Oonah contact was marked by a 1.0m fault.

The massive sulphide lens over the interval 148.7-158.2m has a faulted upper contact at about 45 degrees to CA and a basal contact at about 55 degrees. Based on these contacts, the lens has a probable true thickness of about 7.3 metres.

The lens consists of massive vuggy pyrite with patchy interstitial quartz light brown sphalerite as irregular aggregates and veins, and streaky veins of galena. The lens may be the extension of the so called "West" Lode of the Boss mine, which was described as a "gossanous formation striking NW" (Blissett, 1962). Williams & Both (1971) describe the Boss lodes as consisting of euhedral pyrite enclosed in quartz and dark reddish brown sphalerite. Galena content was low and this explains the relative lack of interest shown in these thick lenses by the early miners.

Toward the base of the lens, quartz is absent and base metals are less significant. If this low grade portion is excluded, the lense includes 7.0m at 4.4%Pb, 8.8%Zn and 51.6 ppm Ag. The high grade zone is anomalous for Sb, but Au, Sn and Cu remain at or below background levels. For mineralogy, refer to Appendix 1, sample T26214.

Below this lens the hole passed through 98 metres of recrystallised carbonate dominated by (ferroan?) dolomite with some intermixed magnesite and siderite. Replacive patches of pyrite-pyrrhotite-sphalerite-galena occur

throughout, and are sometimes accompanied by magnetite. Remnant patches of stylolitic dolomite near the base identify the precursor as a thick sequence of dolomites. Under a binocular microscope, the pyrite is seen to be replacing pyrrhotite as replacement rims and large, euhedral crystals (refer Appendix 1, sample T26215). The sphalerite is dark brown, often with light brown reaction rims.

This broad zone of patchy mineralisation averages 0.20% Pb, 0.27%Zn and 10ppb Au, with individual assays up to 1.17% Pb, 4.59% Zn and 110ppb Au. The difference between this mineralisation and the pyrite lens (148.7-158.2m) is the presence of pyrrhotite and magnetite, the replacive nature of it, and anomalous Au. (Refer Plate 7)

The psammo-pelites over the interval 265.0-322.2 are generally strongly deformed, and a sheared, brecciated zone near the base of the interval has provided hydrothermal fluid access, resulting in chlorite-epidote-actinolite-sericite alteration (Appendix 1, sample T26216).

From 327.2 to 486.2 carbonates again dominate. Toward the top of the interval the carbonate is a stylolitic dolomite that becomes progressively more talcose downward. Over the interval 382.3-389.7m sulphides occur as massive to disseminated/stockwork pyrite, with subordinate quartz, sphalerite, galena and boulangerite. This interval averaged 1.63%Pb, 1.60%Zn, 0.17%Sb and 37.19 ppm Ag, including 1.8m of 6.30% Pb, 6.55% Zn and 142.39 ppm Ag. The Sb occurred in boulangerite (Pb_5 Sb_4 S_{11}) in the top 0.7 metres (refer Appendix 1, sample T26217). (Refer also to Plate 8)

Below 431.5m the carbonates include irregular talc-carbonate patches and very patchy serpentinite-pyrrhotite-magnetite-talc alteration (Appendix 1, sample T26218). Diffuse, patchy silicification is often associated with this

alteration. Low Cr and Co values suggest the precursor is not a (carbonated) ultramafic. (Refer Plate 9)

Below 486.2m the hole passed into typical Oonah psammo-pelites and dolomites, and ended in a typical melange with patches of pyrite-pyrrhotite-sphalerite-galena mineralisation. (Plate 10)

6.2 Parting Lake Grid

6.2.1 Geology

The grid occupies the eastern limb of the Heemskirk anticlinorium, and the dominant lithologies are psammo-pelites and spilities of the Upper Oonah Formation. Black, carbonaceous shales and grey siltstone dominate, and these are usually well bedded. Finely interlaminated sandstones, siltstones and shales are also well represented. A few thick beds of grey, micaceous, quartzitic sandstones are present, and because of their relative weathering resistance, these beds form the crests of most of the ridges along the grid.

A number of lenses of vesicular, spilitic lavas and occasional spilitic agglomerate bands are interbedded with the psammo-pelites. As on the Sylvester grid, the spilites form very irregular lenses of variable thickness intercalated with the sediments, and many of the contacts appear discordant. Carbonates were note observed in outcrop, but are known from mine dumps in the Zeehan-Western area, and occur at Queen Hill (in the Queen Hill Beds). Unlike the Comstock carbonates, the Queen Hill carbonates are thin beds spatially associated with spilites and only form a small part of the sedimentary sequence.

The Upper Oonah sequence is tightly folded in the area, especially in the nose of the anticlinorium, where the pelitic units exhibit a well devloped NW trending axial

planar schistosity. These pelitic units have become thickened in the crest of the anticlinorium, and are thinned out along the limbs. Chaotic parasitic folds and numerous ductile shear zones are characteristic of the units, and where intensely deformed they have become graphitic.

Quartzitic beds have behaved competently by contrast, and north of Oonah mine a series of such beds near the base of the Upper Oonah have been tightly folded by an early (D1?) phase of deformation, then subsequently affected by a second phase of deformation that refolded the fold axes to form open folds with NNW trending axial traces. These features are observeable in airphoto coverage because the quartzites form well defined bare ridges.

This complex history of folding appears to have produced structural repetition of lithological units in the area. The E-W trending quartzitic ridges north of Montana Hill may for instance be structural repetitions of the quartzite that occurs along the crest of Oonah and Montana Hills.

Numerous faults cross the grid, adding to the structural complexity. The more significant of these trend NW and appear to involve oblique-slip displacement. Two of these, the Montana and Oonah faults, persist for a significant distance but the apparent lateral displacement is relatively minor. A far more significant structure trends NW from the east end of Montana Hill. It coincides with aeromagnetic lineament 373, and appears to displace the Despatch fault and sub-divide the Upper Oonah into two structual blocks in the area.

Based on old mine records, Blissett (1962) has suggested that both the Montana and Oonah faults exhibited evidence of thrusting that involved the movement of the northeast block up and west in both cases. This cannot be confirmed

in surface mapping, however thrust faults have been recognised in cuttings along the Granville road, with similar trends. Additionally, Post-Permian thrusts have been mapped at Montana SL where Permian tillites are clearly overthrust by Oonah sediments (Crossing, 1989).

Along the east margin of the grid, the Despatch fault separates Upper Oonah sediments from the poorly outcropping Ordovician Gordon Limestone, and separates the Zeehan Syncline from the Heemskirk Anticlinorium. The faulted contact is known from mine records but does not outcrop, and at least part of the contact may be an angular unconformity.

The Gordon Limestone rarely ourcrops, and is usually weathered to form a dark, fine clay rock. Fresh blocks are exposed in the mullock of the Tasmanian Crown mainshaft, which is located at about 363150mN/361200mE AMG. At this location it consists of massive, grey crystalline limestone. A crosscut driven NW for 210 feet from the 170 foot level of the shaft remained in hard limestone, and a hole drilled another 266 feet from its end encountered limestone and slate. (Blissett, 1962).

No other lithologies were encountered on the grid, although Blissett recorded quartzose conglomerate and quartzite which he assigned to the Ordovician Moina sandstone. The outcrops he describes occur centred at about 4200mN/6100mE on the grid, but the only outcrop found by RGC, on the west bank of Parting Lake, is lithologically similar to Upper Oonah units.

6.2.2 Geochemistry

The C-Horizon soil sampling programme located a few scattered base metal anomalies at the south end of the grid. The most significant of these co-incided with old silver-

lead workings, in particular the Zeehan-Western and Tasmanian Crown mines. At the former, high Pb, Zn values co-incide with anomalous Sn in proximity with an ENE trending structure that is the interpreted eastward extension of the Stannite Lode of the old Oonah Mine. Spot W anomalies occur in the same general area.

Pb, Zn (Cu, Sn) anomalies occur in proximity to the interpreted position of the Despatch fault at grid co-ordinates 2800mN/61275mE, 3000mN/61150mE and 3200mN/61275mE). They reproduce similar anomalies outlined by Aberfoyle, when they conducted a Wacker bedrock sampling programme over the Gordon Limestone when they held the ground as part of EL 47/71 (Sise, 1986). Aberfoyle were assessing the potential of the Gordon Limestone for hosting syn-sedimentary silver-lead-zinc deposits. They interpreted the base metal mineralisation they encountered as Devonian vein-style, based on lead isotope studies. They did not assay for tin.

The only other anomalous values of significance are a series of weak gold values forming a broad N-S trending zone extending from 2800mN/60875mE to 3200mN/60900mE. Three spot gold highs also occur at the northern end of the grid.

None of the abovementioned anomalies have been followed-up.

As was the case on the Sylvester grid, trace elements proved useful as an aid to recognising litho-types. They were particularly useful in recognising spilites in highly weathered terraines devoid of outcrop.

As on the Sylvester Grid, the use of trace elements such as Rb, Cs to identify hydrothermal systems of magmatic origin is probably not possible because of the strong influence of host rock-lithology. However, more work needs to be done

on the Parting Lake geochemical database. In general terms, however, the southern half of the grid contains elevanted Rb compact to the northern half, especially near Montana Hill. This is interesting bearing in mind that Aberfoyle outlined an Rb anomaly centred above Queen Hill and the Severn.

6.3 Regional Aeromagnetic Survey (Appendix 6)

The regional aeromagnetic survey recorded several anomalies. The main feature of the aeromagnetic data is an intense magnetic high that extends eastward onto the EL from the vicinity of the Tenth Legion mine, and terminates north of Comstock mine. (Appendix 6, Anomaly 378). At Tenth Legion mine, the source is known to be magnetite associated with Cambrian gabbro which has been partially serpentinised and dolomitised (Blissett, 1962). This anomaly and anomalies 375,377 and 379 were reproduced by the ground magnetic survey, and were discussed in Sub-section 6.1.3.

Another significant aeromagnetic feature is anomaly 374, which coincides with the Severn deposit at Queen Hill. Anomaly 365 is also a significant feature, but is possibly a cultural anomaly caused by tanks on top of King Hill. All other anomalies are very subtle.

Anomalies 371, 372 coincide with the extension of the Stannite Lode of the Oonah mine toward the Zeehan Western workings, and may be due to pyrrhotite in the lode system. Anomaly 383 is centred on spilites and the source is unknown.

Lineaments 368-370 roughly co-incide with interpreted positions of the Despatch fault, and anomalies/lineaments 363-364 coincide with Brick fields fault. Lineament 373 coincides with an interpreted structure that trends from

Zeehan toward Montana SL. Anomalies 375,376 and 380 dont co-incide with interpreted structures, but are parallel to interpreted structures and photo-lineaments.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 Sylvester Grid

The Sylvester area is still considered to have good potential for the discovery of significant tin mineralisation, despite the failure of the first two holes to intersect economic grades. This is because the area exhibits the following relevant features:

a) In the regional sense, it overlies the Heemskirk-Pine Hill-Granite Tor spine as interpreted from regional gravity data. The presence of skarn-style metasomatism in two of the drillholes suggests a closer proximity than originally suspected.

b) The source of the intense magnetic anomaly on the western half of the grid is interpreted to be a skarn. This interpretation is based on drillhole SY003 which passed close to the source and encountered replacive pyrrhotite-magnetite mineralisation in carbonates. This may indicate a localised culmination on the regional granite ridge.

c) Major regional structures such as the Sylvester and Balstrup faults transect the area and could reasonably be expected to communicate with granite at depth. These could provide fluid access from deep seated cupolas, if they exist.

d) Suitable host rocks for replacement tin deposits are present. These are limestones and dolomites of the Upper Oonah Formation. Some of these are extensively recrystallised and talcose altered, suggesting exposure to higher temperature

hydrothermal fluids (> 350°c).

e) Potential host rocks are structurally prepared by brittle (and ductile) deformation at all scales. This is important in providing fluid access to large volumes of host rock in replacement-style deposits.

The drill holes did, however, intersect significant thicknesses of tin-barren base metal mineralisation approaching economic grades. This mineralisation falls into three broad categories:

a) Large base metal veins/lenses, composed of pyrite-quartz-sphalerite-galena, sometimes with arsenopyrite and remnant pyrrhotite (SY002, 003).

b) Patchy replacement of carbonates by pyrite-pyrrhotite-sphalerite-galena, often accompanied by magnetite. Host carbonates are recrystallised (SY002).

c) Low grade base metal skarns, replacing carbonates and melange zones (SY003).

In all three cases the mineralisation is of Devonian origin, relating directly to the intrusion of the Heemskirk granite. The skarns are products of contact metasomatism, and the other styles of mineralisation are mineralogically typical of base metal veins of the so-called Zeehan pyritic belt, which is proximal to the granite margin.

This base metal mineralisation should not be discounted because of its association with silver-lead-zinc lodes of the Zeehan Field, which have historically proved relatively small and impersistent. By contrast the lens intersected

by SY003 is thick, and part of a series of sub-parallel veins arranged en-echelon. Even more significant is the presence of intervening patchy replacement style mineralisation, which opens the possibility of a large tonneage replacement silver-lead-zinc deposit at depth. Also the possibility of economic base metal skarns at depth cannot be ruled out. The base metal mineralisation has the advantage of excellent metallurgical properties (coarse grainsize) and may offer the possibility of some open-cuttable reserves.

The possibility of tin skarns and related replacement bodies elsewhere in the hydrothermal system has not been ruled out by the current widely spaced drilling. If there are any large tin deposits in the area, there may be little or no surface indication in terms of tin geochemistry, as is the case at the Severn deposit. Trace element distribution patterns (e.g. Rb, Cs) appear to be too strongly controlled by lithology to be of any use in detecting the influence of hydrothermal fluids of magmatic origin capable of carrying tin.

Possible geophysical signatures for blind deposits are also in doubt. Electrical methods (EM, IP) are confounded by the numerous conductive graphitic zones, and magnetic responses may be subdued or eliminated by the retrograde alteration of pyrrhotite to pyrite, as is the case at Severn. However, the holes drilled so far indicate that this retrograde alteration becomes less complete moving westward away from Queen Hill, with pyrrhotite in SY002 about 90% altered to pyrite and in SY003 about 70% altered (in replacement zone).

Gold bearing skarns are also a possibility, based on the occurrence of scattered anomalous values. The gold occurs in silver-lead-zinc veins, but high values also occur associated with Sn-W and/or Cu. Gold accompanied copper and

tin mineralisation at Bradshaws opencut, and is present in base metal veins in the Comstock area.

7.2 Parting Lake Grid

The Parting Lake Grid shares many of the prospective features of the Sylvester Grid, however some aspects detract from this prospectivity. They are:

a) The Upper Oonah has only occasional thin carbonate interbeds.

b) Evidence from regional gravity data and from its position within the zonation pattern of the Zeehan Field suggests that the northern two-thirds of the grid is probably too remote from granitoid source rocks to contain economic tin deposits at realistic depths.

c) The magnitude of tin anomalies is low.

Potential tin deposits are expected to be deep and difficult to target even in the southern third. A deep deposit will not necessarily be represented by a surface tin anomaly, and trace element distribution patterns may be too strongly influenced by lithology to be useful.

To make matters worse the area contains numerous conductive graphitic zones, and these would obscure the results of any electrical geophysical method used to detect sulphides. And the absence of significant magnetic anomalies indicates that if there are any tin deposits, the pyrrhotite gangue has been retrograde altered to pyrite as is the case in the Queen Hill deposits to the south.

Bearing these problems in mind, two areas have been outlined as prospective:

a) The area immediately north of Montana Hill, where subtle tin anomalies occur in an area affected by numerous faults and known to contain thin carbonate interbeds.

b) The Despatch Fault in the southern half, where it faults Upper Oonah sediments against the Gordon Limestone. Subtle tin anomalies occur near the interpreted contact. Replacement of the Gordon Limestone adjacent to the fault is possible at depth.

7.3 Regional

The NW quarter of the EL is not considered prospective for tin because of the absence of suitable host rocks for carbonate replacement deposits, even though there is the possibility of granite culminations beneath the area.

The SE quarter contains carbonates of the Devonian Florence Quartzite and a small area of Gordon Limestone, however the area is remote from any postulated granitoid source. Additionally the units lack the structural preparation required to facilitate fluid access to large volumes of rock. Hence replacement would be limited to the contact zone with the few major structures in the area (e.g. Balstrup Fault).

8. RECOMMENDATIONS

The following recommendations are proposed:

a) A comprehensive gravity survey should be completed over the entire Zeehan region at a station density sufficient to enable interpretation of the shape of the granite ridge that extends across the EL. In particular any culminations (cupolas) are of significance, as these would be the focus of any convective cells or magmatically derived fluid capable of carrying tin. Gravity stations already exist at about 500m centres, and a "first-pass" interpretation can be made using this data. If infill stations are required, access is available and barometers will be sufficient to provide critical altitude data (Leaman, pers.comm). The survey should begin as soon as possible.

(b) The large magnitude magnetic anomaly north of Comstock should be drilled as soon as possible. Initially, the smaller of the two postulated sources should be drilled as this is possibly a pyrrhotite body at a relatively shallow depth (30m). The larger source is given a lower priority as it is most likely to be a skarn, and as such any mineralisation would be lower grade and tin would occur in metallurgically difficult forms. However this source still warrants a hole. Core orientation should be undertaken for all exploration holes.

(c) Other magnetic anomalies should be followed up to determine their source, where possible. Priority should be given to those that co-incide with geochemical anomalies and major structures.

(d) Detailed mapping and rock chip sampling should be continued adjacent to the margins of the Queen Hill ML's, with the aim of following known mineralising structures (e.g. Severn, Clarkes) onto the EL. This may require some stratigraphic drilling in areas of poor outcrop.

(e) The base metal mineralisation intersected by SY 003 needs to be followed up firstly by costeaning, to establish the distribution, thickness, grade and persistence of the oxidised sulphide lenses at the surface. Then a series of shallow follow-up holes could be drilled if justified by initial results of costeaning. It is important to fully understand shape and orientation of the mineralisation before additional drilling is undertaken.

(f) All significant geochemical anomalies need to be followed-up to locate anomaly sources where possible, and plotting etc., of the Parting Lake results needs to be completed.

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Plate 1; Upper Oonah finely interlaminated calcareous siltstone, sandstone. These exhibit intraformational slumping & boudinaged sandstone bands. Resembles Renison Bell member.

Plate 2; Upper Oonah carbonate and slightly calcareous melange partially affected by Devonian metasomatism (carbonate-actinolite-chlorite-epidote skarn). Melange may be part of Tenth Legion Fault Zone.

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Plate 3; A vein of massive pyrite-quartz-sphalerite-galena-pyrrhotite-arsenopyrite-siderite in a monotonous sequence of Crimson Creek lithic-ar enites and mudstone. The vein is surrounded by stockwork veinlets.

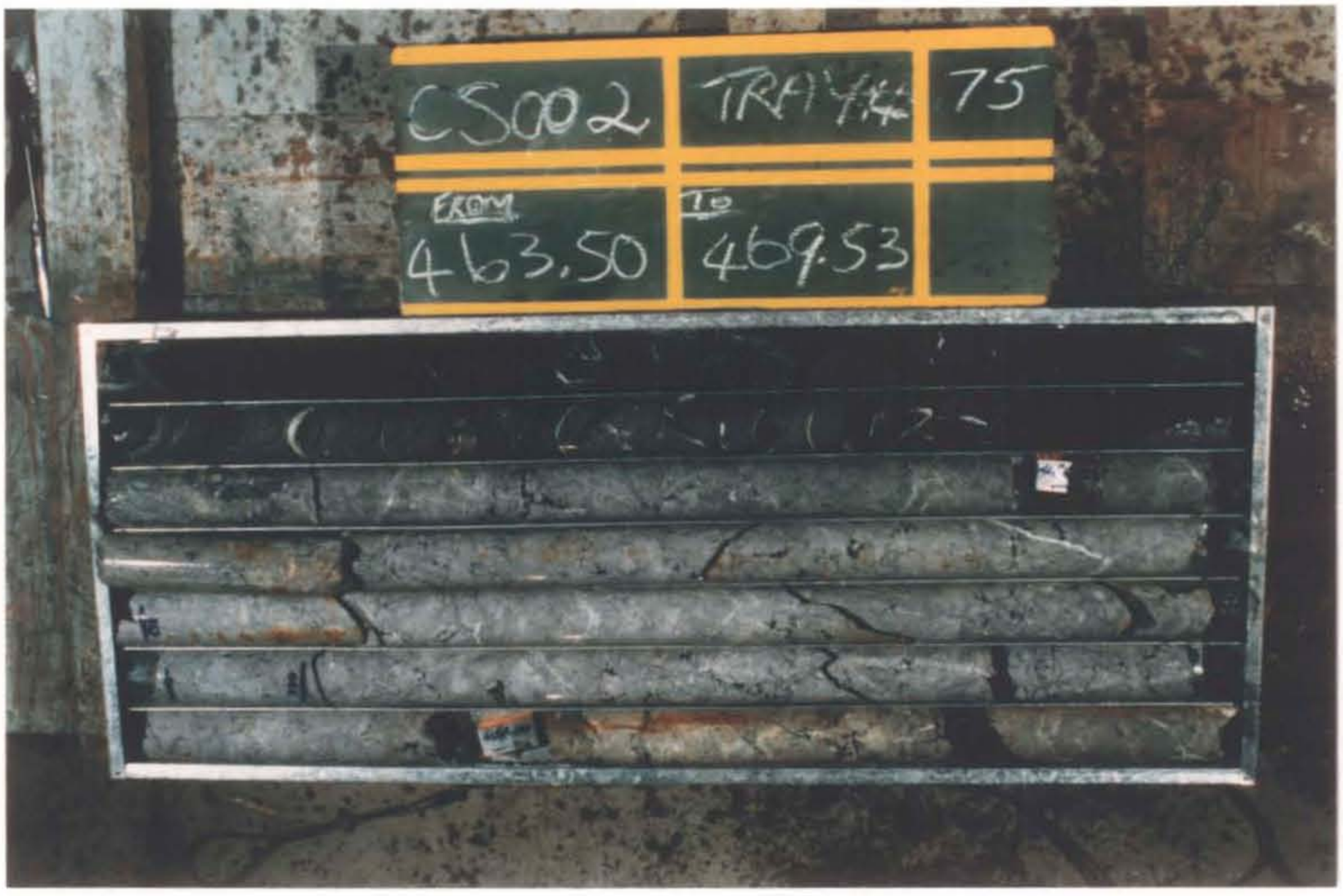

Plate 4; Upper Oonah massive, stylolitic dolomite (11.2m thick) interbedded with psammo-pelites.

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OG7

424069

Plate 5; Balstrup fault (91.1-106.5m), which is a broad, soft, broken,clayey, pyritic zone developed in sheared Crimson Creek turbidites. Core loss was high.

Plate 6; Lense of massive pyrite-quartz-sphalerite-galena (148.7-158.2m) in the footwall of a small fault (147.0-148.7m). Occurs at the contact between an Upper Oonah melange (above) and carbonates (below).

Plate 7; Patchy pyrite-pyrrhotite-magnetite-arsenopyrite mineralisation in a recrystallised Upper Oonah carbonate. The sulphide minerals occur as patches and ill-defined vein stockworks.

Plate 8; Patchy pyrite-quartz-sphalerite-galena-(boulangerite) replacing talcose, massive, stylolitic Upper Oonah dolomite.
Talc causes black colouration. Sphalerite can be seen as dark brown flecks in sulphide zone.

UBJ

Plate 9; Upper Oonah massive, stylolitic carbonate with patches of talc-carbonate (green-off white). Dark patches consist of talc-serpentinite-carbonate.

Plate 10; Upper Oonah melange. Fragments mainly of sandstone/quartzite occur in graphitic shaley matrix. Pyrrhotite & accessory pyrite-sphalerite-galena replaces occasional carbonate fragments.

070

E.L. 42/87

To Corinna

Big Ben

Montana Silver-Lead

Pt

Quigleys

Barnett's Lode

Puo

Om

Og

Sc

Beauty

Tasmanian Crown

Zeehan Western

Boundary

OONAH HILL

Montana

Doric

Oonah

Junction

Bradshaws

MONTANA HILL

Despatch

Poverty Point

Nº 2 Montana

Stormsdown

Nº2 Queen

Clarkes Lode

Payne's

Nº4 Queen

QUEEN HILL

ZEEHAN

Zeehan

Silver Stream

Fahey's Lode

Sylvester

Nº3 Argent

Nº1 Argent

Florence

Featherstones Lode

Argent

Nº 6 Argent

Nike

Nº2 Argent

Balstrup Nº1

Db

Df

Sa

Sk

S

Comstock

Boss

South Comstock

Susannite

Britannia

Silver King

New Spray

MANGANESE HILL

Old Spray

Central Balstrup

Montague

€g

€c

T.L.E.

Maxim

South King

To Trial Harbour

Stonehenge

Victoria Zeehan

Colonel North

Zeehan Bell

Austral

Sunshine

North Tasmanian

Sunrise

Nubeena

Tasmanian

Grubb's

Swansea

Oceana

To Queenstown

A.M.G. NORTH

MAGNETIC NORTH

5 cm

424072

Mine locations, names and Geology after Both and Williams 1972.

Figure 3

LEGEND

PERMIAN	Pt	Tillite
DEVONIAN	Db	Bell Shale
	Df	Florence Quartzite
SILURIAN	S	Austral Creek Siltstone
	Sk	Keel Quartzite
	Sa	Amber Shale
	Sc	Crotty Quartzite
ORDOVICIAN	Og	Gordon Limestone
	Om	Moina Sandstone
	Oz	Mt. Zeehan conglomerate
CAMBRIAN	€g	McIvor Hill Gabbro
	€c	Crimson Creek Argillite
PROTEROZOIC -CAMBRIAN	Puo	Success Creek phase Oonah Quartzite and Slate

Swansea Mine location

Road

Tram or railway

Fault

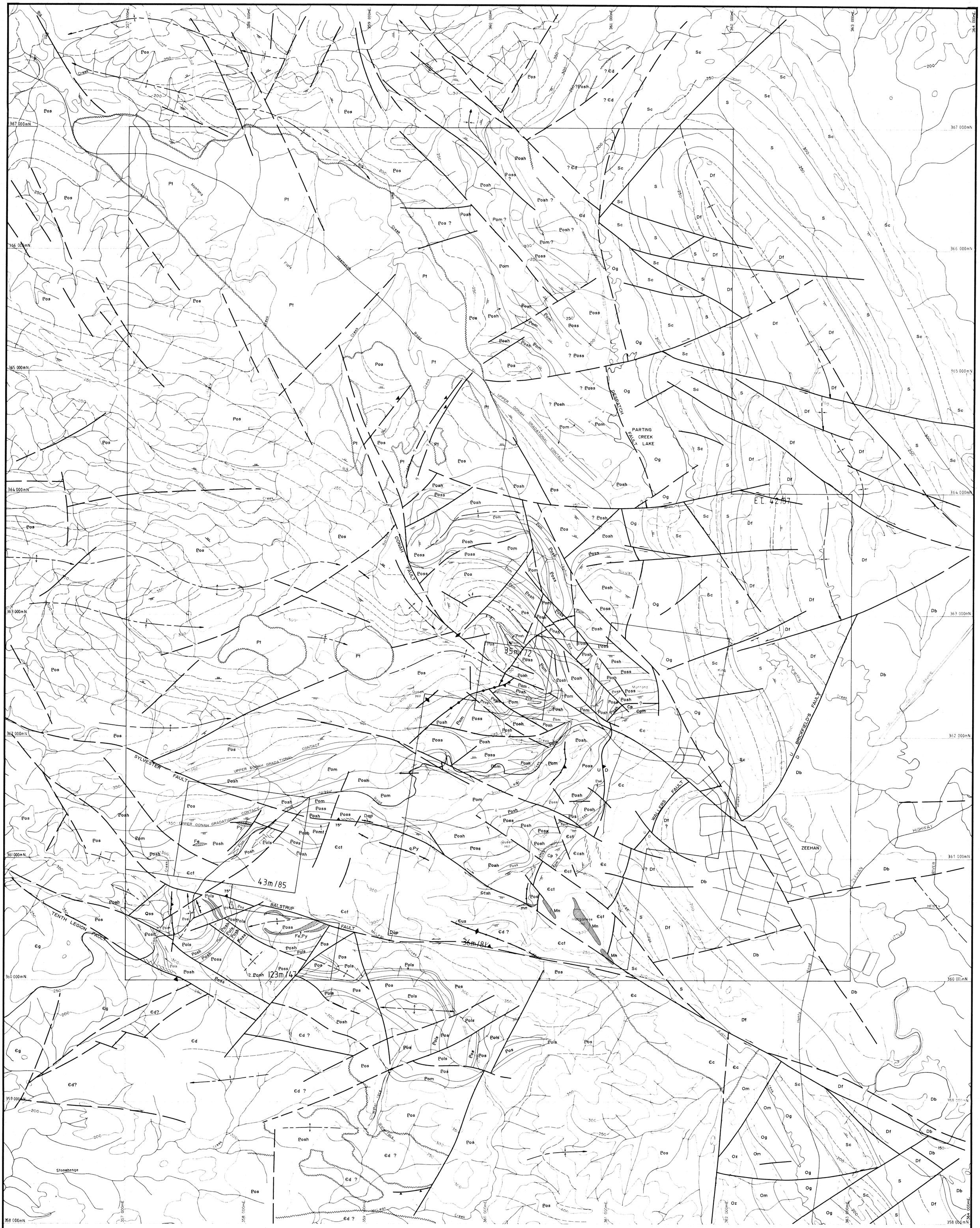
Conformable boundary

Unconformity

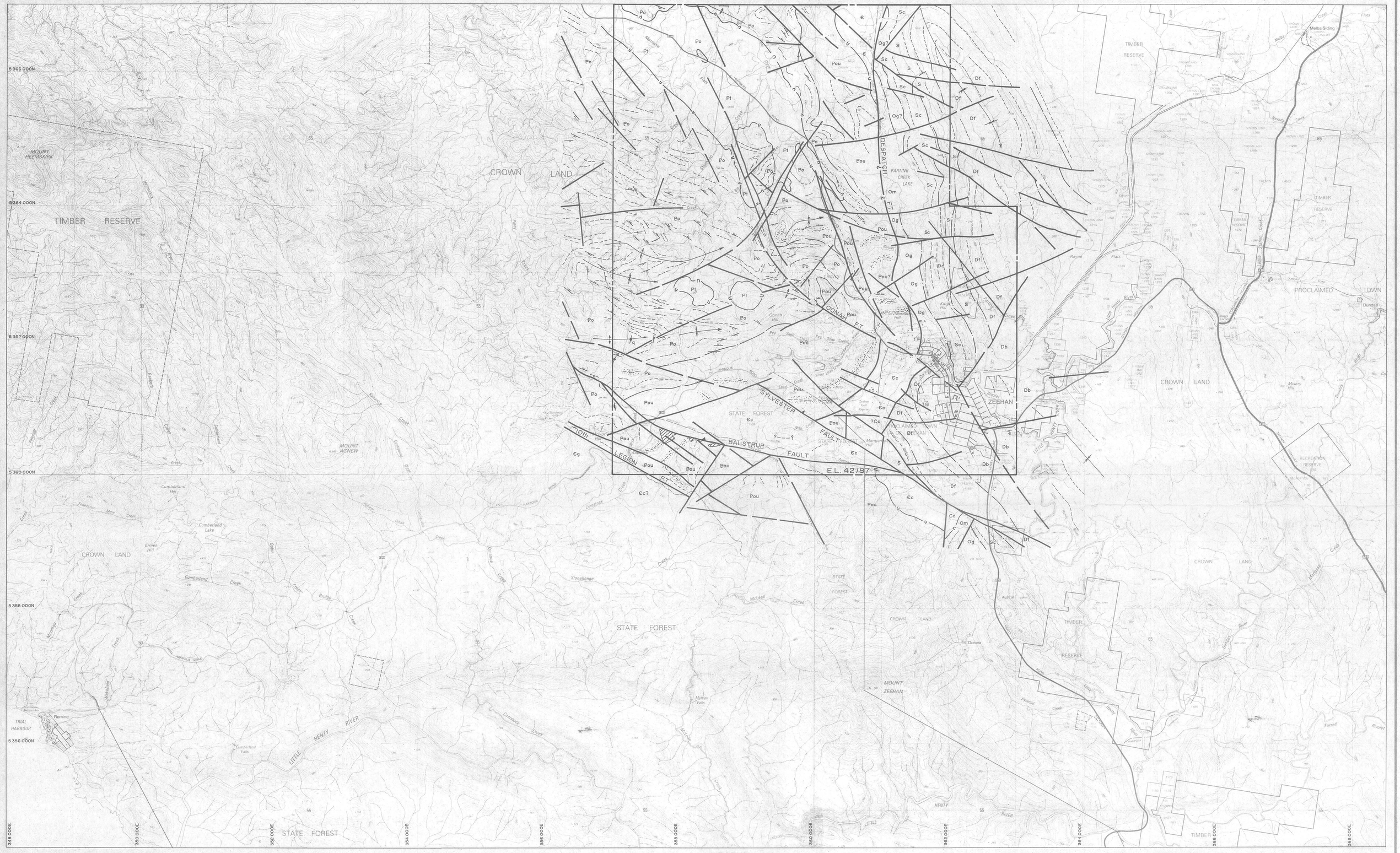
RENISON LIMITED	
MINES OF THE ZEEHAN FIELD	
GEOLOGIST : P.A.R.	SCALE: 1:20,000 METRES 200 0 200 400 600
DRAUGHTSMAN : T.G.D.S.	
DATE : October 1980	
REVISION D.J.C. August 1989.	DRAWING No. 5512/112

PLAN 1.

071


Big Creek
Montana Creek
Flats
Hematite Creek
Road Creek
Big Gully Creek
Butchers Gully
Creek
UPPER OONAH GRADATIONAL CONTACT
DONAH FAULT
DESPATCH FAULT
PARTING CREEK LAKE
SYLVESTER FAULT
BALSTRUP FAULT
TENTH LEGION FAULT
WALLERS FAULT
BROCKFIELDS FAULT
HIGHWAY
ZEEHAN
Dutch Hill
Queen Hill
King Hill
Montana Hill
Stonehenge
Pos
Pt
Posh
Poss
Pom
Pols
Dqp
Fe
Py
Mn
Qss
Sc
Df
Db
Og
Om
Oz
Cd
Cc
Csh
Ct
Cp
Cpm
Cg
Cus
Cct
Cd?
Cd ?
Cec
Cec
Cec

072



LEGEND

PERMIAN	Pl	ZEEHAN GLACIAL FORMATION
DEVONIAN	Db	BELL SHALE
	Df	FLORENCE QUARTZITE
SILURIAN	S	SEDIMENTS ; UNASSIGNED
	Sc	CROTTY QUARTZITE
ORDOVICIAN	Og	GORDON LIMESTONE
	Om	MOINA SANDSTONE
CAMBRIAN	Є	SEDIMENTS ; UNASSIGNED
	Cc	CRIMSON CREEK FORMATION
PROTEROZOIC	Po	OONAH FORMATION
	Pou	UPPER OONAH, INCLUDES Montana Spillter Carbonates, Shale, Siltstone, Sandstone.
INTRUSIVES CAMBRIAN	Cg	GABBRO

- IRONSTONE
- QUARTZ VEIN
- SANDSTONE BED IN Pou
- BEDDING TRACE
- FAULT
- BEDDING ATTITUDE; 0-29°
- " " 30-59°
- " " 60-89°
- " " Vertical.
- ANTCLINE
- SYNCLINE
- LITHOLOGICAL CONTACT
- UNCONFORMITY

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	D.J.C.	ZEEHAN PROJECT
DRAWN	M.O.W.	E.L. 42/87
DATE	AUG. 1990	AIRPHOTO INTERPRETATION
CHECKED		424073
1:250,000 REFERENCE		

BASE PLAN No. 5521/039
OVERLAY PLAN No.
SCALE 1:25 000
PLAN 3.

E.L. 42/87

PARTING LAKE GRID

SYLVESTER GRID

35M/72

36M/81

43M/85

123M/87

SY 1

SY 2

SY 3

PROCLAIMED TOWN ZEEHAN

PROCLAIMED TOWN Dundas

ZEEHAN

CROWN LAND

STATE FOREST

TIMBER RESERVE

RECREATION RESERVE

MOUNT HEEMSKIRK

MOUNT AGNEW

MOUNT ZEEHAN

Melba Siding

Remine

TRIAL HARBOUR

5 360 000N

5 362 000N

5 364 000N

5 366 000N

5 358 000N

5 356 000N

346 000E

350 000E

352 000E

354 000E

356 000E

358 000E

360 000E

362 000E

364 000E

366 000E

368 000E

EXCLUSIONS

123M/87 - OCEANIA TASMANIA P/L.
43M/85 - OCEANIA TASMANIA P/L.
35M/72 - CRA EXPLORATION P/L.
36M/81 - GIPPSLAND OIL & MINERALS N/L
& ABERFOYLE EXPLORATION P/L.

5 cm

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	M.O.W.
DRAWN	M.O.W.
DATE	Aug. 1990
CHECKED	
1:250,000 REFERENCE	

ZEEHAN PROJECT
E.L. 42/87.

DRILLHOLE & GRID LOCATION PLAN

424075

BASE PLAN No. 5521/038
OVERLAY PLAN No.

SCALE 1:25 000

PLAN 4.

9859

NB in this area ridge tops consist of Coss s/c & ylt & Cost/Cosl s/c occasionally occurs in ckts

Finely lg. st/flg. Sh

wd. lg.-fb-mb. st/modst fb. bl/Sh

?; mx. cb. poorly bedd. St/Clmygr. & dg. mx St/Sh

BASELINE 60950mE

DINKLEYS

TRAMWAY (disused)

Coss scree

Com/Cost scree

Coss; mx. cg.

Cosh; bl. mb-fb. lam. wb.

Com, or/br Clay

Coss; micac

Cost/Cosh; wb. fb.

Com ?, or/br Clay Rx.

Cost/Cosh c. mnr. ss. bds

Com; wd. or/br Rx

Cost/Cosh; fold'd

Cosh; wd

Cosh; bl. wb. close fold'd

Cosh bandin Com

Cosh; bl

?; mx. cb. poorly bedd. Cgl/Clmygr. & dg. mx St/Sh

Cosh; bl. fold'd

?Ft; q. filled breccia in graph. Sh

lB. Com/Coss/Cosh

angular unconformity

Road

Coss; dg. micac. (impure)

Cosh; bl. c. Flaser txt.

Coss; lg.-mg. mx

Cosh/Cost; lg.

Cosh; bl. close fold'd

Coss; S-fold'd Sh/St

Cost/Cosh; flat lying

Cosh; bl. graph.

mnr Ft's

Coss/Cost

Com

Cosp

Cost; lg. schistose

Cosh/Cost

0m; gy/br. mx. Ss

?0m; bl. Sh/St., v. folded

small Ft?

?0m; dg. Sh/St, schistose

Sc; lB. mb. Ss/St

q. vn (?Ft) folded

Sc; Ss & St bands

Sc; cg. Ss

Sc; lg.-cg. Ss/Gt

lB. St

Sc; mx. X-bedd. Ss

?St; br. cg.-mx. St

Sc; lB. mb. St (70%)/mg.-cg. Ss

Sc; cg.-mx. Ss/Gt

Cost/Cosh; lg

adit in Cost/Cosh

mullock; bl. Cgsh

Cosh; graph. micac. St, Ss

Cosh; dg. schistose

mullock; Cosh/Com (Gn, Sh)

Cosh; bl. graph

Cosp

Coss

Cosh; dg. schistose

Com; TL

Com & regional g. vn's

shallow (thrust?) Ft's

Cost/Cosh; fold'd

mull.; Cosh

Cosp (close to Cosh; tight folded)

Coss/Cost; micac. schistose

Cosh; bl. graph

mullock; Cosh; bl. graph. E. wh. vn. g

Py

Fe, Mn

Coss/Cost

Cost/Coss; micac.

Tasmania

PARTING CREEK LAKE

TASMANIAN CROWN

Mullock - Og; gy. mx. Lst., locally brecc'd (Gn ± Cp, Rh)

Coss; bl. impure pearly early

Coss; y/c & ylt

Cosh; bl. c. Flaser txt.

Coss; lg.-mg. mx

Cosh/Cost; lg.

Cosh; bl. close fold'd

Coss; S-fold'd Sh/St

Cosh; bl. graph.

mnr Ft's

Coss/Cost

Com

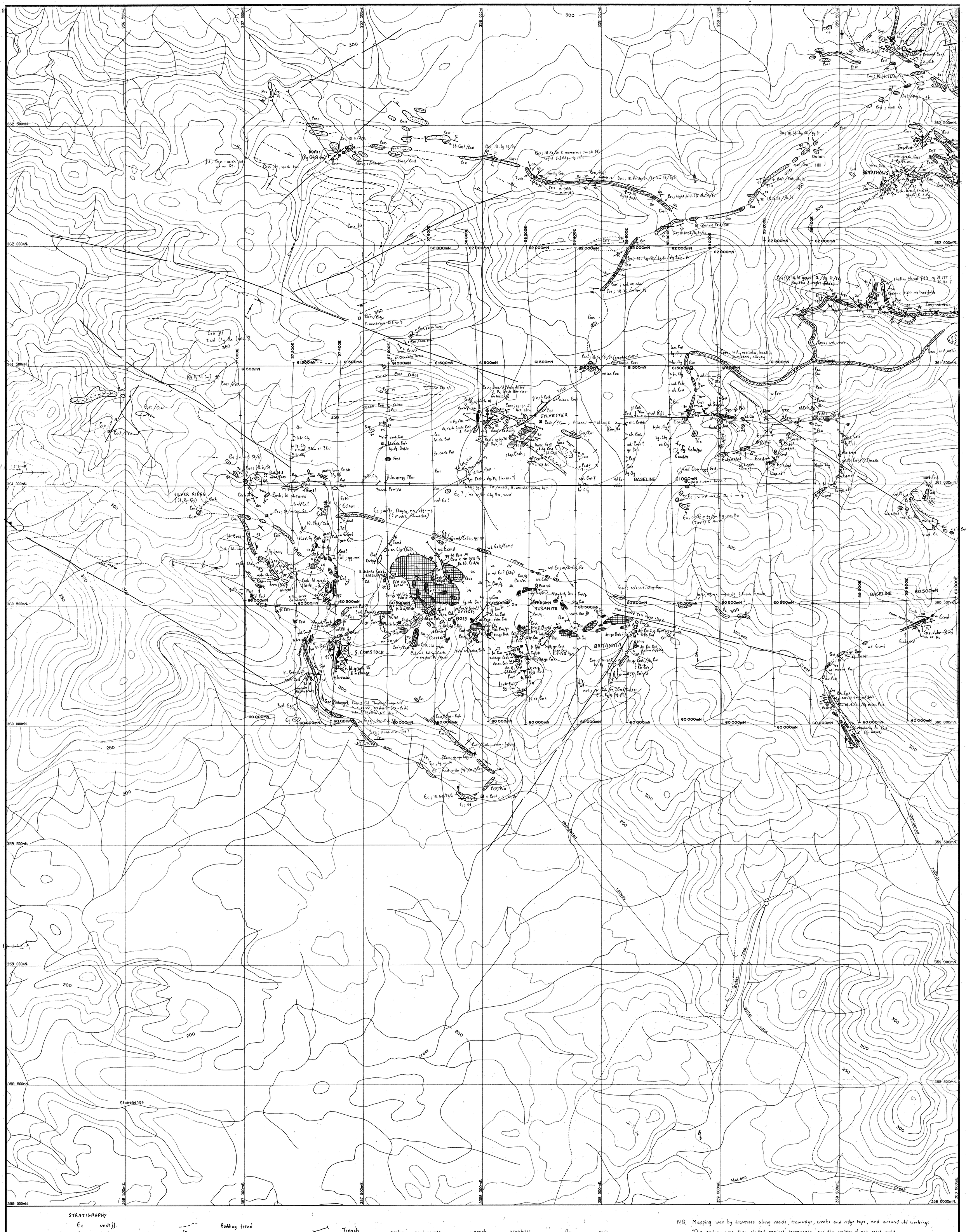
Cosp

Cost; lg. schistose

Cosh/Cost

Holded Cosh

Cost/Cosh; flat lying


DORIC
(Py Qt) SI (Gn)
SILVER RIDGE
(SI, Py, Qt)
S. COMSTOCK
SYLVESTER
BOSS
SUSANITE
BRITANNIA
BRADSHAWS
Oonah
BASELINE
Stonehenge
McLean Creek
railway
abandoned
Water race
Creek
shallow thrust Ft's, eg 38.357 T
35.150 T
graph. harbour micas. Coss
micac. Com
micac. Coss/sst
Com; wd. vesicular, locally pumiceous, clayey
Com; wd. vesic.
Com; wd. vesicular
Com; wd. vesic.
Com; wd. vesicular
Com; wd. vesic.
Com; wd. vesicular

ZEEHAN WESTERN
MONTANA
OONAH
QUEEN HILL
ARGENT
Manganese Hill
King Hill
Montana Hill
Queen Hill
ZEEHAN
Creek
Ridge
Road
RAILWAY
HIGHWAY
RIVER
Rivulet
Parling
Zeehan
Austral
Henty
EMU BAY
LITTLE
HENTY
ZEEHAN

STRATIGRAPHY

DEVONIAN	Db	Bell Shale		
	Dj	Florence Quartzite		
	Sk	Keel Quartzite	PROTEROZOIC	OONAH FM.
SILURIAN	Sa	Amber Slate		
	Sc	Crotty Quartzite		
ORDOVICIAN — JUNEE GP	Og	Gordon Limestone		
	Om	Moina Sandstone		
	Є	Unassigned Cambrian		
CAMBRIAN — CRIMSON CK. FM.	Єc	Unassigned sediments/turbidites		
SUCCESS CK. GP.	Єss	sandstone		
	Єsd	dolomite		
DEVONIAN INTRUSIVE	Dp	Porphyry		

Pos	sediments; unassigned
Posh	shales
Post	siltstone
Poss	sandstone
Posp	finely lB. Ss/St/Sh
Pom	Montana spilite; unassigned
Pomt	tuff

Trench
Pit
Shaft
Adit
Mullock or escarpment
Old workings, misc.
Ironstone
Airphoto lineament (Ft. trace?)

Bedding trend
Bedding attitude; measured
0 – 29°
30 – 59°
60 – 89°
vertical
Joint; vertical
inclined
Shear; vertical
inclined
Cleavage; vertical
inclined
Fault; vertical
inclined
Small anticline
syncline
Plunge of minor fold
Vein / fissure lode, inclined
Outcrop
Float / scree

agg	agglomerate	mic	micaceous
bed	bedded	mk	mark
bd	band	mnr	minor
bl	black	mull	mullock
br	brown	mx	massive
cf	with	o/c	outcrop
cg	coarse grained	o/(cut)	open cut
Cl	Clay(ey)	or	orange
dg	dark grey	Py	pyrite
dst	disturbed	q	quartz
fb	fine bedded	Rx	rock
Fe	Ferruginous	s/c	sub-crop
fg	fine grained	schist	schistose
fish	undeformed lenses (in shear)	sd	sheared
flt	float	Sh	Shale
fold	folded	Ss	Sandstone
Ft	fault	St	Siltstone
gr	graphitic	text	texture
lg	light grey	v	very
vn	veined		
ves	vesicular		
wd	weathered		

Mapping was along roads, tramways, creeks and ridge tops mostly prior to construction of grids.
Geology was plotted against topography, and may be in error by up to 50 m. with respect to grids.

GRID CONVERGENCE 1.2°
GRID/MAGNETIC 11.6°
5 cm

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

90-3200

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

ZEEHAN AREA
SHEET D
GEOLOGICAL FACT MAP
424078

COMPILED:	D.J.C.
DRAWN:	D.J.C.
DATE:	July '90
CHECKED:	
1:25,000 REFERENCE:	DUNDAS OCEANA HEEMSKIRK

BASE PLAN No. 5521/035
OVERLAY PLAN No.
SCALE: 1 : 5,000
PLAN 7

9856

360 500mE. 361 000mE. 361 500mE. 362 000mE. 362 500mE. 363 000mE. 363 500mE. 364 000mE.

367 500mN. 367 000mN. 366 500mN. 366 000mN. 365 500mN. 365 000mN. 364 500mN. 364 000mN. 363 500mN. 363 000mN.

350 300 250 200

BASELINE 60950mE

DUNKLEYS

TRAMWAY

6200mN 5800mN 5400mN 5000mN 4600mN 4200mN 3800mN 3400mN 3200mN

60 000E 60 500E 61 000E 61 500E

Road

Heemskirk

PARTING CREEK LAKE

Riviulet

LEGEND.

OONAH Qtzt & SLATE	Po sh	SHALE
	Po sl	SLATE
	Po slts	SILTSTONES
	Po qtzt	QUARTZITE
	Po phyll	PHYLLITE
	Pov	SPILITE
	€c	CRIMSON CK FORMATION
	€c slts	SILTSTONES
	€c ss	SANDSTONE
	Dss	DEVONIAN SANDSTONE
	Pt	PERMIAN TILLITE
	(mic)	MICACEOUS

SHEET LOCATION

SHEET A	SHEET B
SHEETC	SHEET D

GN TN MN

GRID CONVERGENCE 1-2°

GRID/MAGNETIC 11-6°

5 cm

90-3200

RGC EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

COMPILED:	P.C.S
DRAWN:	T.G.D.S.
DATE:	
CHECKED:	
1:25,000 REFERENCE:	DUNDAS OCEANA HEEM. &TRIAL

ZEEHAN AREA
SHEET B
GEOLOGICAL FACT. MAP
(GRID BASED)
424079

BASE PLAN No. 5521/047

OVERLAY PLAN No.

50 0 50 100 250
SCALE: 1: 1000

PLAN 8.

Oonah Hill

Harbour

BASELINE

Trial

Rehab Area

Swamp 'Fe stone'

'Fe stone' float

abandoned railway

Creek

Water race

McLean Creek

Stonehenge

LEGEND

OONAH Qtzt & SLATE	Po sh	SHALE
	Po sl	SLATE
	Po slts	SILTSTONES
	Po qtzt	QUARTZITE
	Po phyll	PHYLLITE
	Pov	SPILITE
	€c	CRIMSON CK FORMATION
	€c slts	SILTSTONES
	€c ss	SANDSTONE
	Dss	DEVONIAN SANDSTONE
	Pt	PERMIAN TILLITE
	(mic)	MICACEOUS

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

GRID CONVERGENCE 1.2°

GRID/MAGNETIC 11.6°

5 cm

90-3200

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED:	R.C.S.
DRAWN:	T.G.D.S.
DATE:	Aug.'89
CHECKED:	
1:25,000 REFERENCE:	DUNDAS DEEANA HEEM.&TRIAL

ZEEHAN AREA
SHEET C
GEOLOGICAL FACT. MAP
424080 (GRID BASED)

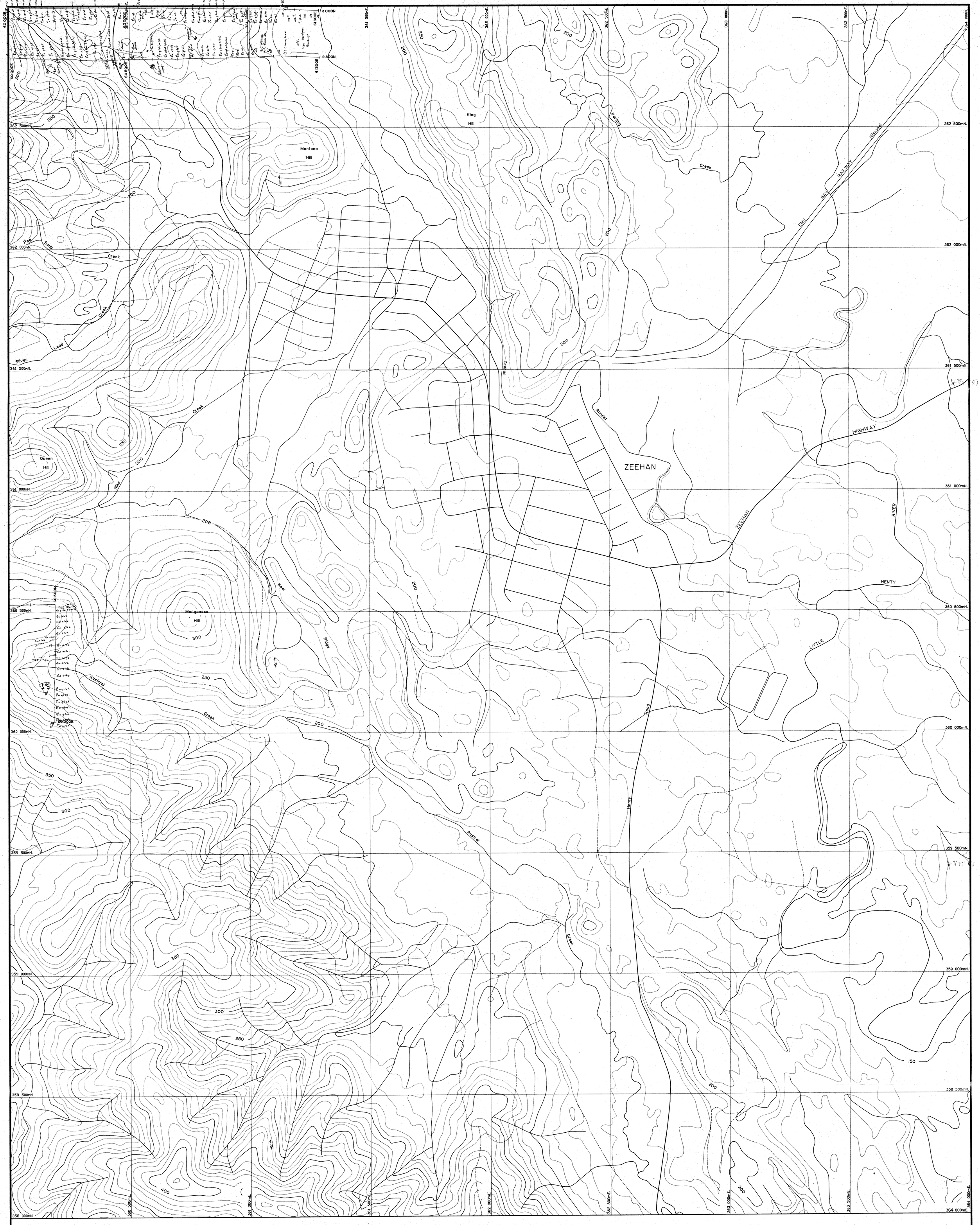
BASE PLAN No. 5521/037

OVERLAY PLAN No.

SCALE: 1:1000

PLAN 9.

N.W. Coast Computer Aided Drafting Centre, Phone (004 354315)



LEGEND

OONAH Qtzt & SLATE	Po sh	SHALE
	Po sl	SLATE
	Po slts	SILTSTONES
	Po qtzt	QUARTZITE
	Po phyll	PHYLLITE
	Pov	SPILITE
	€c	CRIMSON CK FORMATION
	€c slts	SILTSTONES
	€c ss	SANDSTONE
	Dss	DEVONIAN SANDSTONE
	Pt	PERMIAN TILLITE
	(mic)	MICACEOUS

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

90-3200.

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED:	D.C.S.	ZEEHAN AREA
DRAWN:	T.G.D.S.	SHEET D
DATE:	Aug '89	GEOLOGICAL FACT. MAP
CHECKED:		(GRID BASED)
1:25,000 REFERENCE:	DUNDAS OCEANA HEEM. & TRIAL	424/81

BASE PLAN No. 5521/036 | OVERLAY PLAN No. | SCALE: 1:1000 (50 0 50 100 250) | FIGURE No. PLAN 10

9859

PARTING CREEK LAKE

BASELINE 60950mE

BASELINE 61000mE

DUNKLEY'S TRACK

Road

Heemskirk

Zeehan

Rivulet

11869 X MINE DUMP SAMPLE
11856 X ROCK CHIP SAMPLE.

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

GN
TN
MN
GRID CONVERGENCE 1·2
GRID/MAGNETIC 11·6

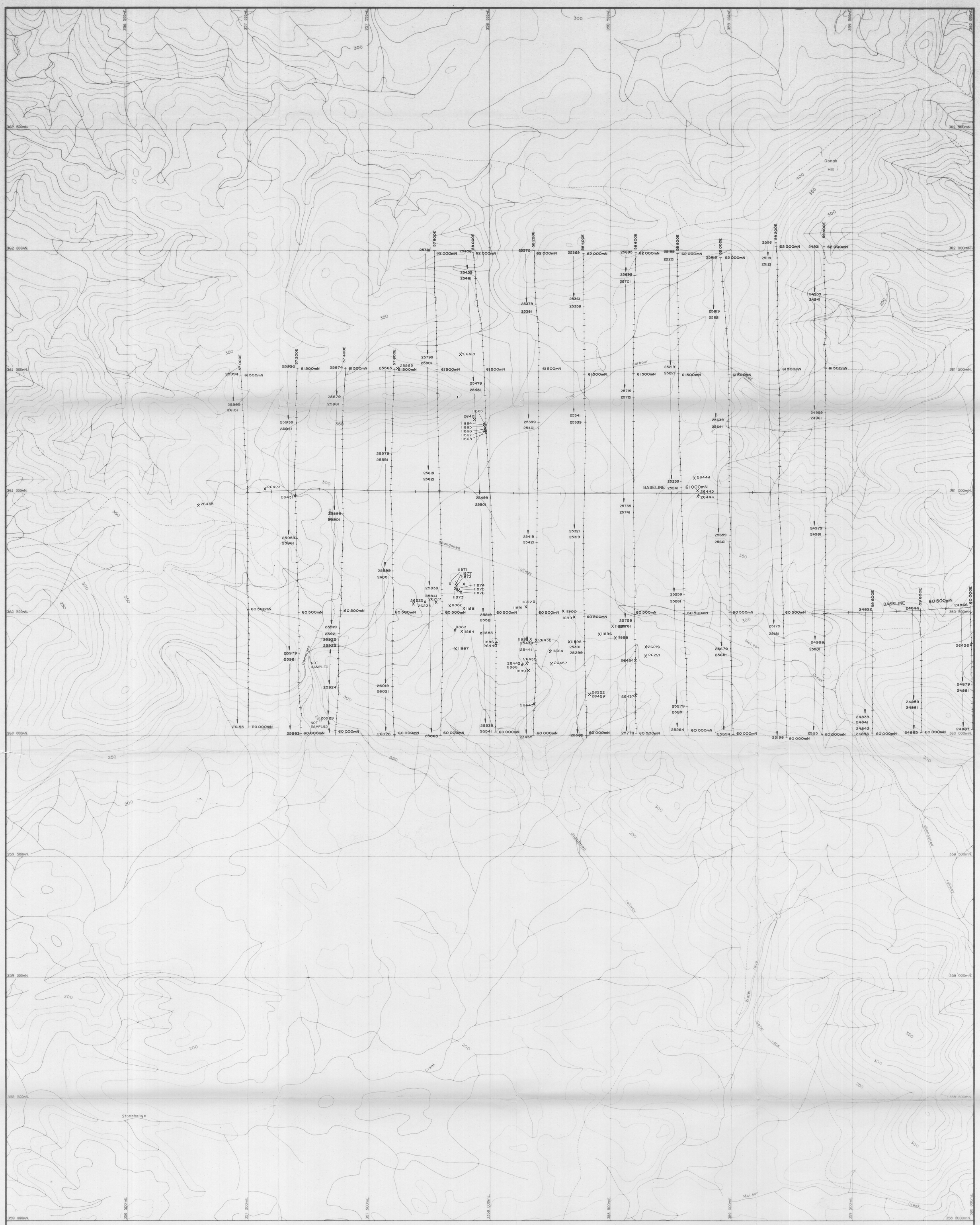
5 cm

90-3200.

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED :		ZEEHAN AREA
DRAWN :	M.O.W.	SHEET B
DATE :	SEPT. 1990	SAMPLE LOCATION PLAN
CHECKED :		424082
1: 25,000 REFERENCE :	DUNDAS OCEANA HEEM. & TRIAL	

BASE PLAN No. 5521/002 | OVERLAY PLAN No. | SCALE: 1: 5,000 (200 0 200 400 1000) | FIGURE No. 11.



24897 X MINE DUMP SAMPLE
11874 X ROCK CHIP SAMPLE

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

GRID CONVERGENCE 1.2°
GRID/MAGNETIC 11.6°

5 cm

90-3200.

RGC EXPLORATION PTY. LIMITED
(INC. IN N.S.W.)

COMPILED:	D.J.C.
DRAWN:	M.O.W.
DATE:	AUG. 1990
CHECKED:	
1:25,000 REFERENCE:	DUNDAS OCEANIA, HEEMSTRIAL

ZEEHAN AREA
SHEET C
424033
SAMPLE LOCATION PLAN

BASE PLAN No. 5521.003
OVERLAY PLAN No.
0 50 100 200 300m
1:5000
FIGURE No. PLAN 12.

N.W. Coast Computer Aided Drafting Centre. Phone (004 354151)

986

24467 24463 24407 24401 24399 24381 24379 24361 24359 2436

60 900E 60 950E 60 000E 60 050E 60 100E 60 150E 60 200E 60 250E 60 300E 60 350E 60 400E 60 450E 60 500E 60 550E 60 600E 60 650E 60 700E 60 750E 60 800E 60 850E 60 900E 60 950E 61 000E 61 050E 61 100E 61 150E 61 200E 61 250E 61 300E 61 350E 61 400E

3 000N

2 950N

2 900N

2 850N

2 800N

24341 24339 24321 24319 24301

360 500mE. 361 000mE. 361 500mE. 362 000mE. 362 500mE. 363 000mE. 363 500mE. 364 000mE.

362 500mN. 362 000mN. 361 500mN. 361 000mN. 360 500mN. 360 000mN. 359 500mN. 359 000mN. 358 500mN. 358 000mN.

Montana Hill

King Hill

Queen Hill

Manganese Hill

Red Soup Creek

Lead Creek

Silver Creek

Nike Creek

Keel Ridge

Austral Creek

Parling Creek

Rivulet

Road

Trenty

ZEEHAN

EMU BAY RAILWAY (disused)

HIGHWAY

ZEEHAN RIVER

HENTY

LITTLE

24888 60 500N

26425 24859 25601 60 200E

250 200 300 350 400 150

24556 X MINE DUMP SAMPLE

SHEET LOCATION

SHEET A	SHEET B
SHEET C	SHEET D

GN TN MN

GRID CONVERGENCE 1.2°

GRID/MAGNETIC 11.6°

5 cm

424084 90-3200.

RGC EXPLORATION PTY. LIMITED

(INC. IN N.S.W.)

COMPILED:	D.J.C.
DRAWN:	M.O.W.
DATE:	AUG. 1990
CHECKED:	
1:25,000 REFERENCE:	DUNDAS OCEANA HEEMSTRIAL

ZEEHAN AREA

SHEET D

SAMPLE LOCATION PLAN

BASE PLAN No. 5521/004

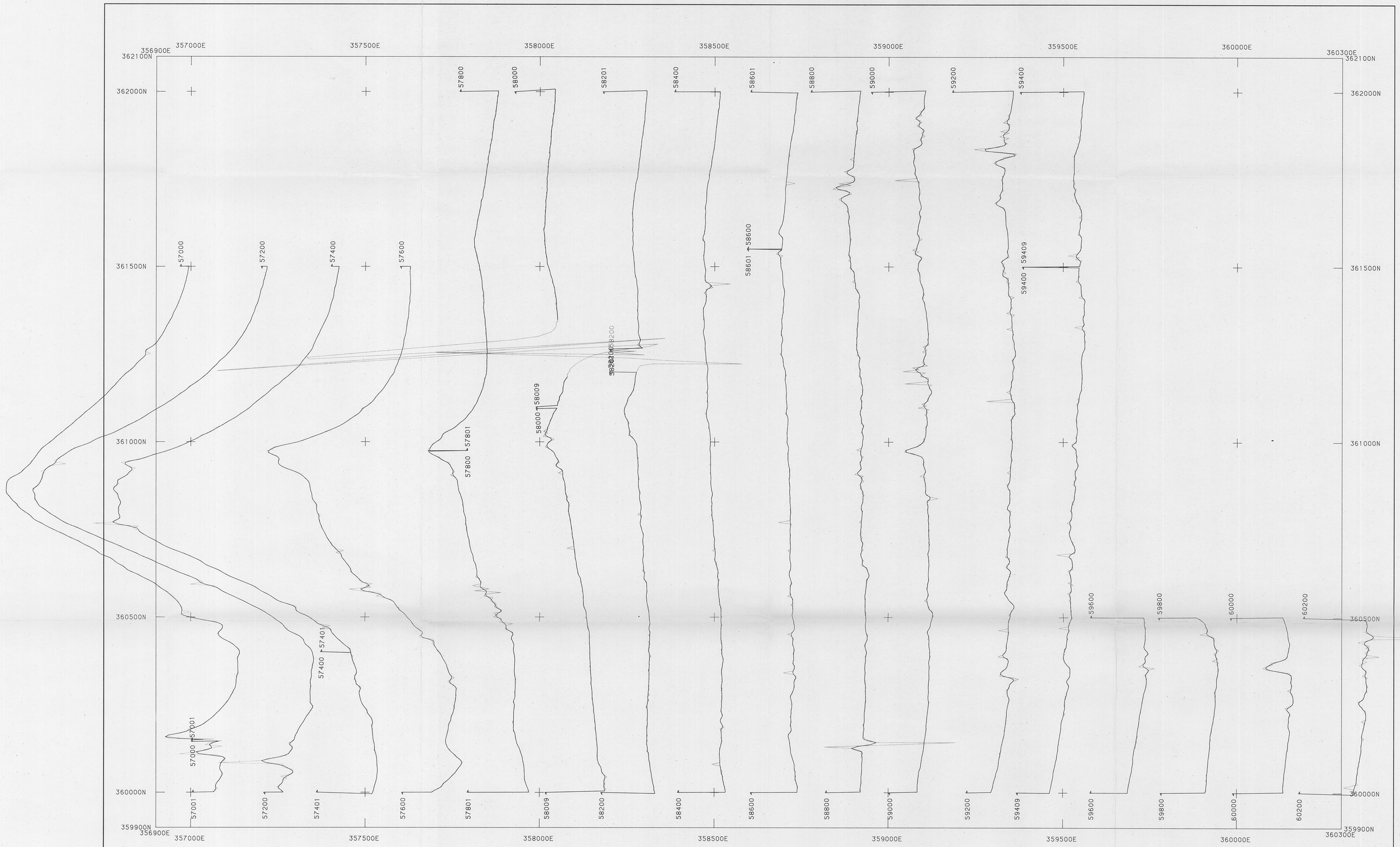
OVERLAY PLAN No.

100 0 100 200 500

1:5000

FIGURE No. PLAN 13

9262



5 cm

90-3200.

PROCESSING BY TESLA-10 PTY. LTD.
JOB# TA1737

SURVEY SPECIFICATIONS

SURVEYED BY	:	HIGHLAND EXPLORATION SERVICES
MAGNETOMETER	:	GSM8 LA MONTAQUE MAGNETOMETER
LINE SPACING	:	approx 200 METRES
READING INTERVAL	:	5 METRES
SENSOR HIEGHT	:	2 METRES

LEGEND

Base Value 62800 nT
Vertical scale 100 nT/cm

Raw data -- RED
(Diurnally corrected)
Filtered data -- BLACK

DATA PROCESSING

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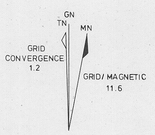
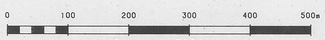
(3 point running average on diurnal)
2. 3 Point Median filter.
3. 21 point 0.0-0.25 bandpass filter.



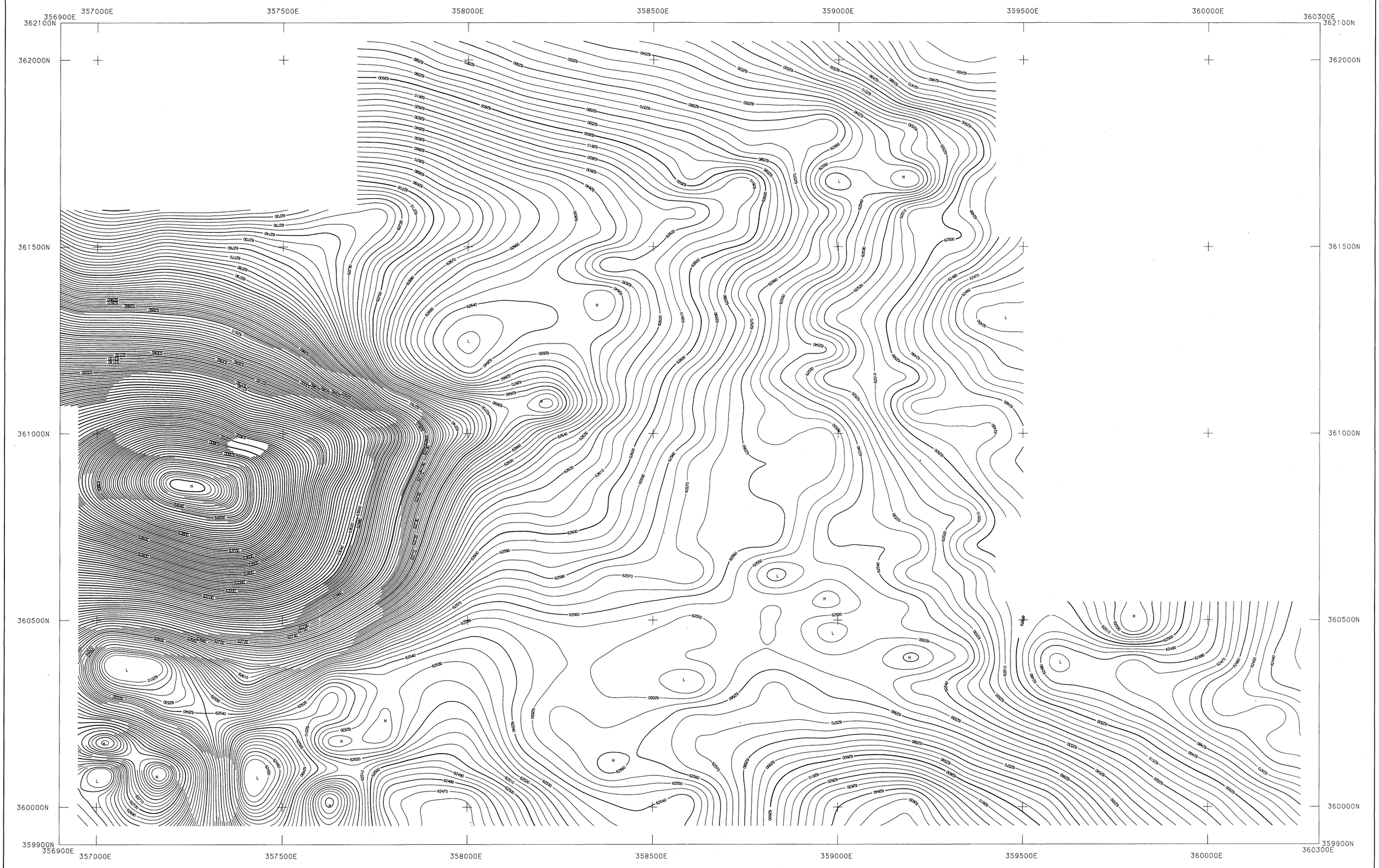


RGC EXPLORATION PTY. LIMITED.

SYLVESTER
TASMANIA
GROUND MAGNETICS SURVEY
TOTAL FIELD MAGNETIC INTENSITY
STACKED PROFILES

Drawn TESLA-10	Scale 1:5000	Drawing No.
DATE: JUNE 1990	PLAN 14.	5521/031

424085



90-3200.

5 cm

PROCESSING BY TESLA-IO PTY. LTD.
JOB# TA1737

SURVEY SPECIFICATIONS

SURVEYED BY	:	HIGHLAND EXPLORATION SERVICES
MAGNETOMETER	:	GSM8 LA MONTAQUE MAGNETOMETER
LINE SPACING	:	approx 200 METRES
READING INTERVAL	:	5 METRES
SENSOR HIEGHT	:	2 METRES

LEGEND

Contour interval 5 nT

100 nT Contour
20 nT Contour
5 nT Contour

DATA PROCESSING

1. Diurnal correction.
   (3 point running average on_diurnal)
2. 3 Point Median filter.
3. 21 point 0.0-0.25 bandpass filter..

GN
TN
MN
GRID CONVERGENCE 1.2°
GRID/ MAGNETIC 11.6°

0 100 200 300 400 500m
Scale 1:5000

RGC EXPLORATION PTY. LIMITED.

SYLVESTER
TASMANIA
GROUND MAGNETICS SURVEY
TOTAL FIELD MAGNETIC INTENSITY CONTOURS

Drawn TESLA-10	Scale 1:5000	Drawing No.
DATE: JUNE 1990	PLAN 15.	5521/032

424086

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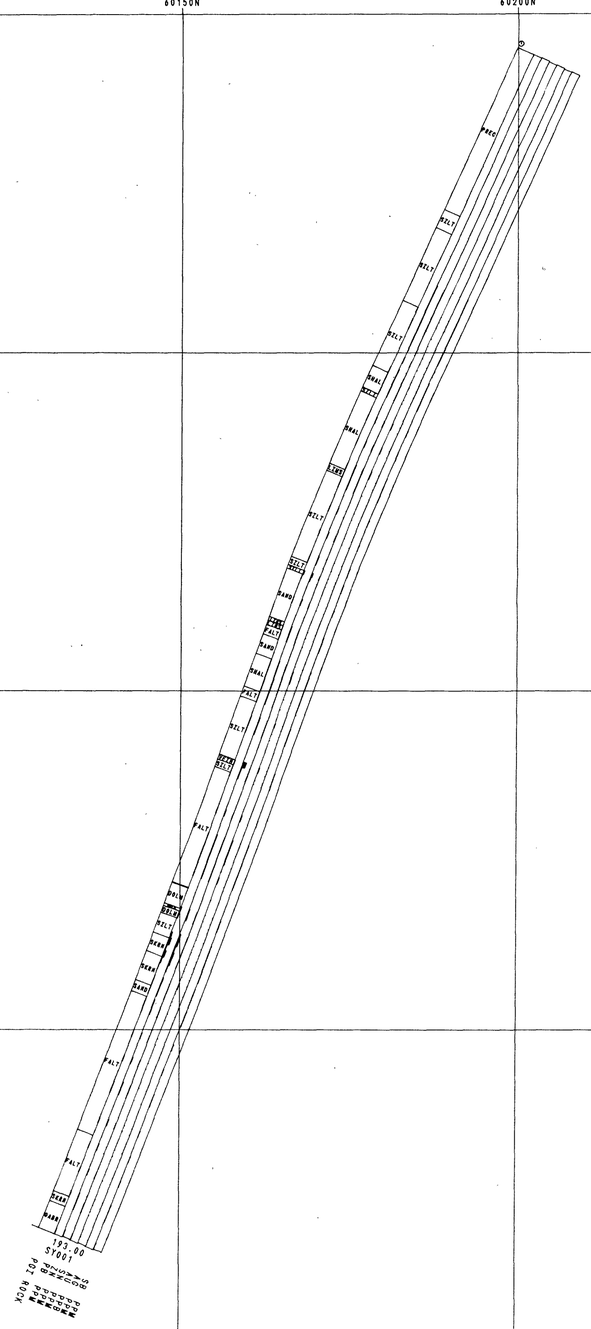
9864


WEEC
WZL?
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WAAL
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WAAL
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WAAL
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WZL?

5986

70N 61020N 61070N 61120N 61170N 61220N 61270N 61320N 61370N

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150
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50
0
-50
-100
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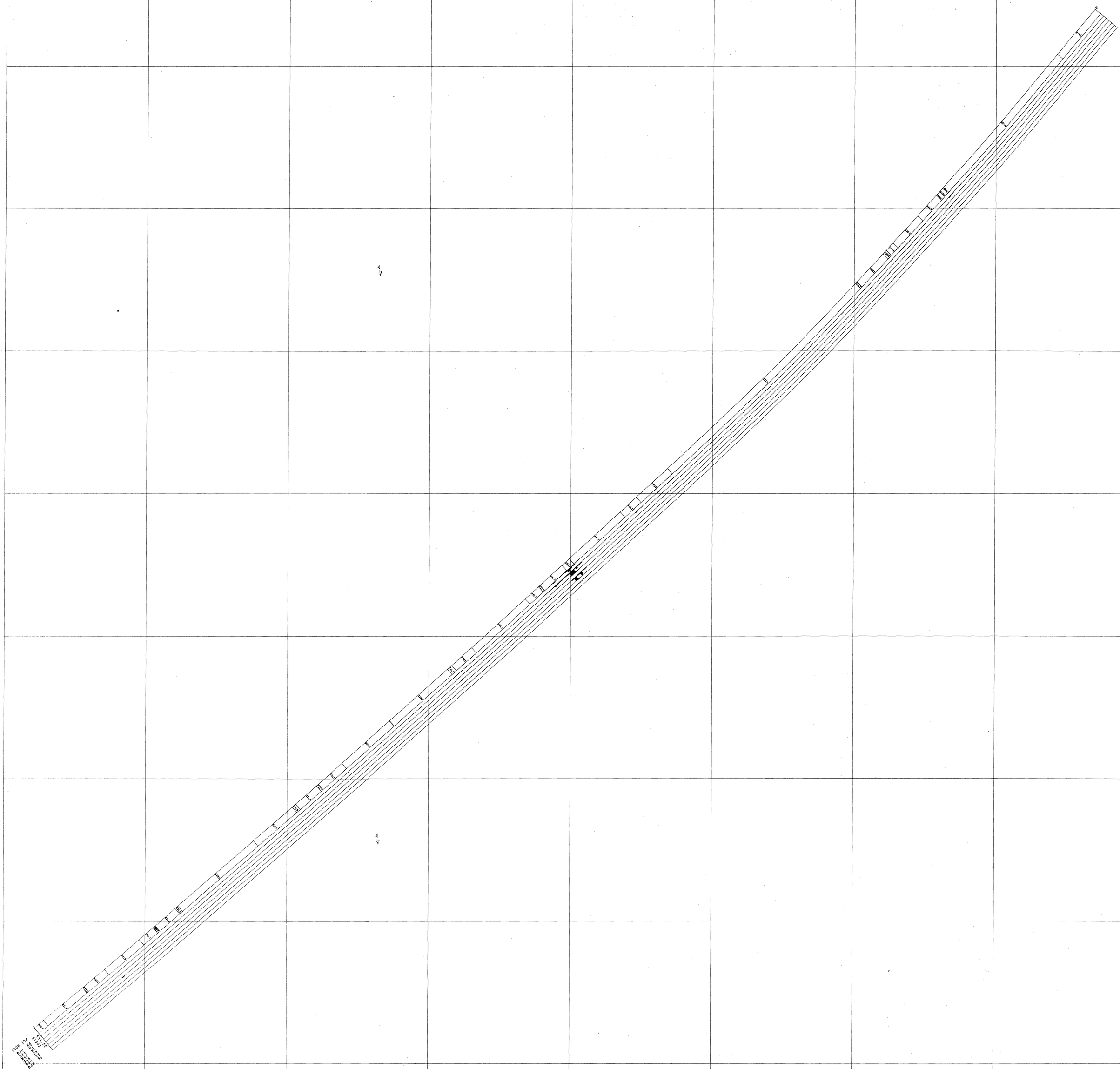

9866

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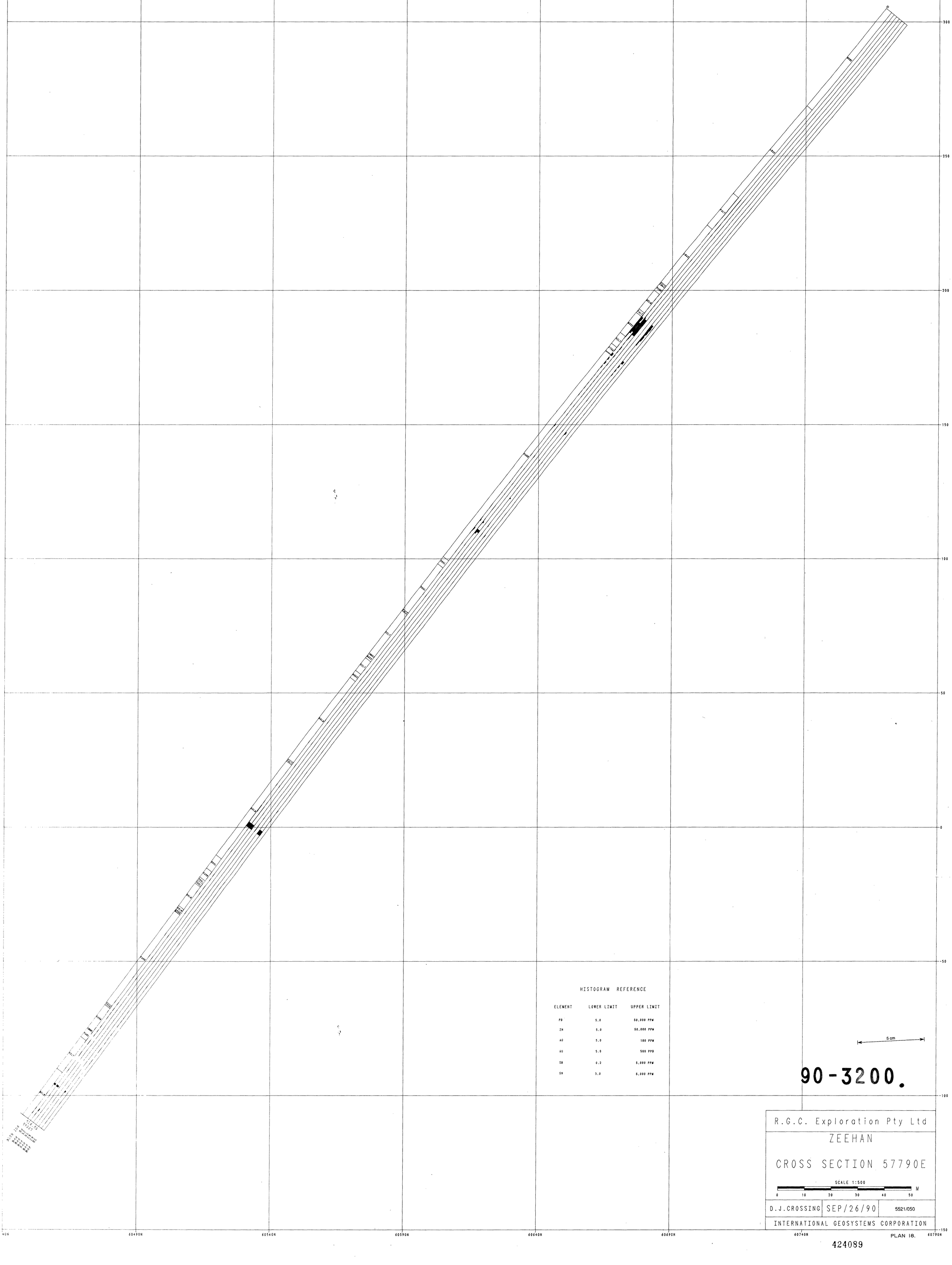

HISTOGRAM REFERENCE

ELEMENT	LOWER LIMIT	UPPER LIMIT
PB	5.0	50,000 PPM
ZN	5.0	50,000 PPM
AG	5.0	100 PPM
AU	5.0	500 PPB
SB	0.2	5,000 PPM
SN	3.0	5,000 PPM

5 cm

90-3200.

R.G.C. Exploration Pty Ltd

ZEEHAN

CROSS SECTION 57790E

SCALE 1:500

0 10 20 30 40 50 M

D.J.CROSSING	SEP/26/90	5521/050

INTERNATIONAL GEOSYSTEMS CORPORATION

PLAN 18.

424089

RGC EXPLORATION PTY. LIMITED

424090

OPEN FILE

E.L. 42/87 - ZEEHAN AREA

ANNUAL REPORT 1989/90

90-3200

E.L. 42/87

Refer to Core Sheet on File Folio 76A.

MICROFILMED

Compiled by: D.J.F. Crossing
Senior Geologist

Endorsed by: M.J. Fleming
Senior Exploration Geologist

Report No. T/90/13

August, 1990

Circulation: RGC Exploration Hobart - (1)
RGC Exploration Zeehan - (1)
Division of Mines & Mineral Resources - (1)

APPENDIX 1

Petrological Reports

amdel
technology and enterprise

Amdel Limited
(Incorporated in S.A.)
31 Flemington Street,
Frewville, S.A. 5063

Telephone: (08) 372 2700

P.O. Box 114,
Eastwood, S.A. 5063

Telex: AA82520
Facsimile: (08) 79 6623

17 April 1990

424092

RGC Exploration Pty Ltd
Level 5
Bellerive Quay
31 Cambridge Road
BELLERIVE TAS 7018

ATT: MR JOHN CROSSING

REPORT G 8471/90

YOUR REFERENCE:	Letter, Mr. D.J.F. Crossing, 15/3/90
IDENTIFICATION:	T19338-346
MATERIAL:	Drill core rock samples
LOCATION:	Tasmania
DATE RECEIVED:	19 March 1990
WORK REQUIRED:	Polished thin sections, combined routine petrographic and brief mineragraphic descriptions, photomicrographs.

Investigation and Report by: Dr Douglas R Mason

for Dr Keith J Henley
Manager
Geological Services Section

bp

mdel

424093

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PETROGRAPHIC STUDIES OF THREE SKARN AND SIX ALTERED ULTRAMAFIC ROCK SAMPLES

1. INTRODUCTION

Nine (9) drill core rock samples were received from Mr. D.J.F. Crossing (Senior Geologist, RGC Exploration Pty. Ltd., Hobart, Tasmania) on March 19, 1990.

Specific instructions were to prepare a polished thin section, and combined petrographic and brief mineragraphic description, for each sample. Brief notes were provided as background information.

This report presents the results of this work.

2. METHODS

All samples were tested with dilute HCl for reactive carbonate (calcite).

After examination in hand specimen, polished thin sections (PTSC52770-778) were prepared for the samples. Routine petrographic and brief mineragraphic descriptions were prepared using conventional transmitted and reflected polarised light microscopy.

X-ray diffraction methods were used to confirm the fine-grained minerals in sample T19338, and the vein-filling opaque mineral in sample T19343.

Selected colour photomicrographs were prepared of important mineralogical and microtextural features of the samples.

3. RESULTS

The results of testing with dilute HCl are presented in Table 1.

The combined petrographic and brief mineragraphic descriptions are presented in the following pages.

The results of the X-ray diffraction work are presented in Table 2.

SAMPLE: T19338 :PTSC52770

Rock Name:
Sulphide-bearing diopside-chlorite-anthophyllite-talc-magnetite skarn

Hand Specimen:
The drill core rock sample is heterogeneous in texture. It is dominated by subparallel finger-like patches of fine-grained green material, paler creamish green patches, and irregularly distributed patches and ill-defined veinlets of metallic grey galena, brownish sphalerite, and dull metallic grey magnetite which provides a strong response to the hand magnet. The rock is smooth, talcose to the touch, and reacted positively to dilute HCl.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Chlorite	30	metamorphic
Carbonate (calcite)	20	metamorphic
?Anthophyllite	10	metamorphic
Actinolite	15	metamorphic
Talc	10	metamorphic
Diopside	5	metamorphic
Galena	3	metamorphic
Sphalerite	3	metamorphic
Magnetite	4	metamorphic
Chalcopyrite	<1	metamorphic

In polished thin section, this sample displays an heterogeneous metamorphic texture, with sprays of coarser-grained minerals irregularly distributed through a very fine-grained matrix.

Chlorite is moderately abundant, occurring as massive patches composed of very fine-grained flakes.

Carbonate (calcite) occurs in a variety of forms. Relatively coarse-grained patches several mm in size are composed of anhedral grains ~2 mm in grain size. It is colourless and is likely to be calcite, as supported by reaction in hand specimen. Elsewhere the carbonate occurs as ragged patches of variable size distributed through massive fine-grained chlorite.

Actinolitic amphibole occurs as very fine-grained sheaves that tend to be developed at boundaries between carbonate and chlorite patches.

?Anthophyllite builds radiating sheaves up to ~1 mm in length. They tend to be associated with clear, well-crystallised prismatic to acicular grains of colourless clinopyroxene, most likely diopside.

Talc occurs as very fine-grained replacement aggregates in diopside and in interstitial patches in areas dominated by pyroxene + ?anthophyllite + diopside.

In reflected light, a relatively simple sulphide + oxide mineralogy is evident. Subequal amounts of sphalerite and galena are closely associated with each other, and tend to occur in areas dominated by pyroxene + ?anthophyllite + talc rather than the chlorite-rich areas. The sphalerite builds fine-grained, irregularly-shaped aggregates up to -0.5 mm in size. It invariably contains sparsely-scattered small inclusions of yellow chalcopyrite. Galena also forms ragged patches of similar size to sphalerite, but also occurs as inclusions within sphalerite. Magnetite forms euhedral octahedra ranging from -0.4 mm to micron size. It is very irregularly distributed through the rock, being concentrated with sulphides in the chlorite-poor areas.

The rock is a sulphide-bearing skarn that has formed by pervasive and complete replacement of a Ca-Mg- rich precursor rock by metal-rich hydrothermal fluids. All primary textures and structures of the precursor rock have been destroyed, but it is likely to have been an impure limestone. Although most of the minerals of the rock appear to have formed more-or-less synchronously, it is apparent that the ?anthophyllite and talc formed somewhat later than the diopside which they appear to replace.

SAMPLE: T19339 :PTSC52771

Rock Name:
Sulphide-bearing garnet-calcite skarn

Hand Specimen:
The drill core rock sample is composed of abundant fine-grained cream-coloured carbonate sparsely sprinkled with small yellow-orange garnet crystals. Moderately abundant sulphides are distributed in patches and discontinuous thin veinlets through the rock. Fine-grained metallic grey galena and reddish brown sphalerite are distinguishable. The rock reacts positively with dilute HCl.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Carbonate (calcite)	75	metamorphic
Garnet (?andraditic)	15	metamorphic
Galena	8	metamorphic
Sphalerite	<1	metamorphic
Quartz	2	metamorphic
Epidote	Tr	metamorphic
Chalcopyrite	Tr	metamorphic

In polished thin section, this sample displays a weakly porphyroblastic metamorphic texture.

Much of the rock is composed of carbonate, most likely calcite, which occurs as fine-grained turbid masses and coarser-grained patches and discontinuous veinlets.

Yellow garnet of probable andraditic composition builds euhedral porphyroblasts and anhedral patches that are irregularly distributed through the rock. Most of the garnet crystals are small (average size ~0.1 mm), but some range up to ~0.6 mm in size.

Galena is moderately abundant, occurring as fine-grained ragged patches that range in size from a few microns up to several millimetres. The galena patches are irregularly distributed through the rock.

Minor sphalerite is present. It forms fine-grained patches of irregular shape, ranging up to ~0.4 mm in size. The sphalerite is distributed irregularly through the rock, independently of the galena.

Quartz occurs in minor amount, forming small anhedral patches irregularly scattered through the rock.

Yellowish epidote, distinguishable from the garnet by its form and birefringence, occurs as small subhedral prisms scattered through the rock.

Yellow chalcopyrite occurs in trace amount as very small, micron-sized inclusions within sphalerite.

The rock represents an impure limestone that has suffered pervasive and complete recrystallisation and partial metasomatism by metal-rich hydrothermal fluids.

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SAMPLE: T19340 :PTSC52772

Rock Name:
Carbonate-actinolite-chlorite-epidote skarn

Hand Specimen:
The drill core rock sample is uniformly fine-grained, but displays black patches of centimetre size irregularly distributed through a yellowish green matrix. Fine-grained, reddish ferruginous alteration is confined to a greenish elongate patch several cm in size. The rock fails to respond to the hand magnet.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Carbonate (calcite,?ankerite)	50	metamorphic
Actinolite	30	metamorphic
Chlorite	15	metamorphic
Epidote (zoisite)	5	metamorphic
Chalcopyrite	Tr	metamorphic
Iron oxide (?hematite)	2	alteration

In polished thin section, this sample displays an heterogeneous metamorphic texture with irregular distribution of minerals. Black patches in hand specimen are composed of chlorite + minor actinolite + zoisite. The elongate green patch is composed of actinolite + carbonate + hematitic alteration. The yellowish green matrix of the rock is composed of epidote + actinolite + chlorite + carbonate. The modal abundances given above represent an approximate average over the entire thin section.

Carbonate is abundant. It occurs as a fine- to medium-grained mosaic (average grain size ~0.2 mm) in the elongate green patch. Incipient, very fine-grained alteration to reddish iron oxide (?hematite) suggests that the carbonate is Fe-rich, and may possibly be ankeritic. Elsewhere in the rock, carbonate occurs as irregularly-shaped patches that are clear and free of alteration, suggesting it is calcite.

Actinolite occurs as pleochroic pale green sheaves up to ~3 mm long, and also as fine-grained irregularly-shaped patches.

Chlorite forms very fine-grained mosaics of irregular shape and distribution.

Epidote (zoisite) occurs as subhedral to euhedral crystals up to ~0.4 mm in size. They are weakly pleochroic (yellow to colourless), and parallel extinction against prismatic crystal faces indicates the epidote-group mineral is zoisite.

Chalcopyrite is rare, occurring as a small anhedral patch ~0.2 mm in size within yellowish-green matrix.

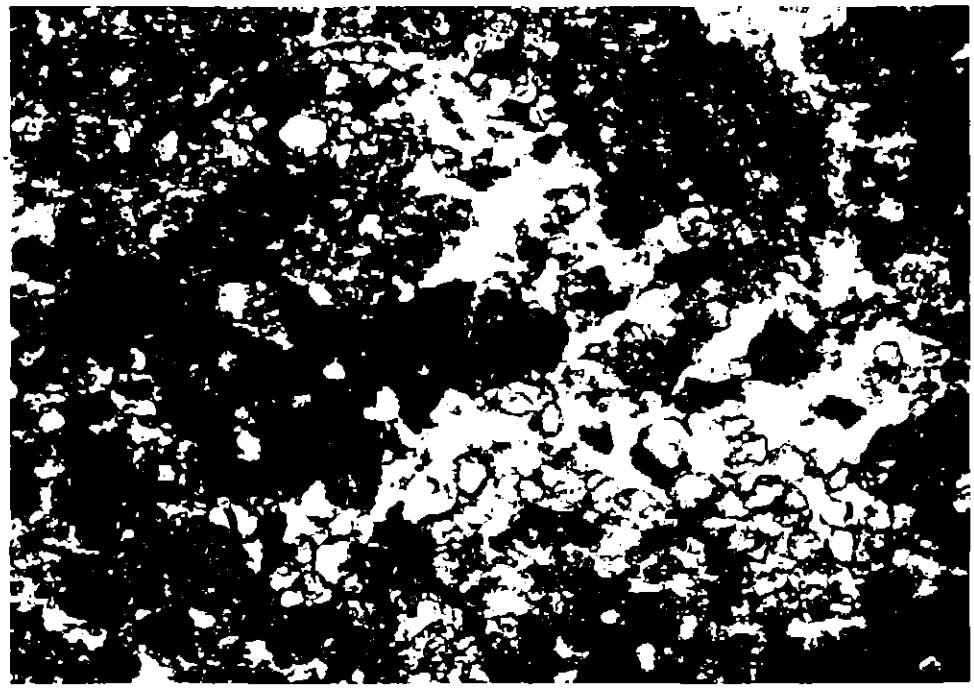
The rock represents an impure limestone that has suffered pervasive and complete replacement and partial metasomatism by hydrothermal fluids.

PLATE 1: SKARN ROCKS

500 μm

a) Sample T19338, transmitted light, crossed polars (5, 4/1)

Diopsidic clinopyroxene prisms (bright blue, green, red) have been partly replaced by fine-grained talc. Calcite fills interstices. Opaques are galena and sphalerite.



500 μm

b) Sample T19339, transmitted plane polarised light (5, 5/1)

Anhedral patches of sphalerite (reddish-brown) lie in a matrix of calcite (colourless with cleavage traces and turbid, interstitial) and equant garnet subhedral crystals (colourless, high-relief).

PLATE 1: SKARN ROCKS (Contd.)

500 μm

a) Sample T19340, transmitted light, crossed polars (5, 6/1)

Prismatic crystals of epidote (zoisite, bright colours) lies in a matrix of serpentine (dull grey flecks, at top), calcite (high pastel colours, lower right), and actinolite (yellow, blue, at bottom right).

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Amdel Limited
(Incorporated in S.A.)
31 Flemington Street,
Frewville, S.A. 5063

Telephone: (08) 372 2700

424101

P.O. Box 114,
Eastwood, S.A. 5063

Telex: AA82520
Facsimile: (08) 79 6623

17 August 1990

RGC Exploration Pty Limited
Level 5, Bellerive Quay
31 Cambridge Road
BELLERIVE TAS 7018

ATT: JOHN CROSSING/MARK FLEMING

REPORT G 8683/91

YOUR REFERENCE:	Letter of request, D.J.F. Crossing, 6/7/90
IDENTIFICATION:	T26211, T26212, T26213
MATERIAL:	Drill core rock samples
LOCATION:	Tasmania
DATE RECEIVED:	10 July 1990
WORK REQUIRED:	Polished thin sections, routine petrographic and brief mineragraphic descriptions.
Investigation and Report by:	Dr Douglas R. Mason

Keith Henley

Dr Keith J Henley
Manager, Geological Services

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PETROGRAPHIC AND MINERAGRAPHIC DESCRIPTIONS FOR THREE DRILL CORE ROCK SAMPLES

1. INTRODUCTION

Three (3) drill core rock samples were received from Mr. John Crossing (Senior Geologist, RGC Exploration Pty. Ltd., Hobart, Tasmania) on July 10, 1990.

The samples were labelled as follows:

T26211	Altered conglomerate (Dundas 5522)
T26212	Gabbro with quartz-tourmaline veining (Dundas 5522)
T26213	Carbonated mafic igneous(?) rock (Zeehan 5521)

Specific requests were to provide routine petrographic and brief petrographic descriptions as per Amdel Code PET 3.2.1.

This report presents the results of this work.

2. METHODS

Polished thin sections (PTS C53439-441) were prepared from the drill core samples provided by first sectioning the core and then selecting an area containing maximum variation of observable mineralogical and textural features for thin section preparation.

Routine petrographic and brief mineragraphic descriptions were prepared using conventional transmitted and reflected polarised light microscopy.

X-ray diffraction was used to confirm the fine-grained minerals of sample T26213. A small, representative portion of the sample was finely ground, and submitted to the X-ray beam. From the diffraction trace, the dominant minerals are chlorite, muscovite, and calcite, and identified minor minerals are quartz and pyrite. This greatly assisted the optical identification (see below), in which the distinction of chlorite versus serpentine, and sericite versus talc, can be difficult in fine-grained rocks.

3. PETROGRAPHIC DESCRIPTIONS

The combined routine petrographic and brief mineragraphic descriptions are presented in the following pages.

SAMPLE: T26213 ("Carbonated mafic igneous(?) rock", Zeehan 5521)

TS: PTSC53441

Rock Name:
Altered mafic/ultramafic rock (Sulphide-sericite-chlorite-calcite rock)

Hand Specimen:
The drill core rock sample is overall dark green in colour, uniform, and non-layered, with irregular, curved, wispy dark shear planes and some thin white veins. In more detail, the rock is composed of subequal proportions of pale green and dark green patches that define a relict massive igneous crystalline texture.

The rock fails to respond to the hand magnet, but gives a vigorous effervescence pervasively and in veinlets to dilute HCl.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Carbonate (calcite)	40	alteration
Chlorite	38	alteration
Sericite	20	alteration
Biotite	<1	alteration
Quartz	<1	alteration
Leucoxene	Tr	alteration
Pyrite	2	alteration
Galena	Tr	alteration
Chalcopyrite	Tr	alteration

In polished thin section, this sample displays a weakly-preserved primary igneous crystalline texture despite intense pervasive alteration.

Carbonate (calcite) is abundant. It occurs mainly as slightly turbid, microcrystalline patches that retain blocky, subhedral to anhedral primary igneous forms. The forms have not been sufficiently well-preserved to identify the precursor phase, but it may have been pyroxene. Calcite also occurs in minor amount as thin (~0.1 mm wide) veinlets that cut the rock.

Chlorite is subequal in abundance to calcite. It occurs as microcrystalline areas of no definite form, but rarely some patches have forms suggestive of primary olivine.

Very fine-grained phyllosilicate (white mica, sericite) is irregularly disseminated throughout the rock. In the vicinity of shear planes it appears to be more abundant. It also occurs along margins of calcite veinlets, and in places forms very thin (<0.1 mm wide) veinlets of its own.

Biotite forms poorly-crystallised reddish brown flakes and patches up to ~0.2 mm in size. They are sparsely disseminated throughout the rock.

Quartz is rare, occurring as fine-grained aggregates associated with calcite and pyrite.

Leucoxene occurs as very fine-grained aggregates and crystallographically aligned trails in altered primary Fe-Ti oxide sites.

Pyrite is the dominant sulphide phase. It forms small subhedral grains that range in size from several microns to ~100 microns. Commonly it is concentrated in loose aggregates up to ~1 mm in size.

Galena is only present in trace amount, but is consistently associated with pyrite. It forms small (micron sized) inclusions within pyrite, but also forms independent anhedral patches up to ~0.1 mm in size adjacent to pyrite grains.

Chalcopyrite is rare, forming small anhedral patches, commonly as independent grains in carbonate + pyrite patches.

The rock has suffered intensive pervasive alteration, generating the assemblage calcite + muscovite + chlorite + minor pyrite, leucoxene, biotite, galena, and chalcopyrite. The presence of muscovite, biotite, and the range of sulphides is compatible with an origin by metasomatic alteration in the aureole of a granitoid intrusion. The nature of the precursor rock is not clear. It may have been a mafic or ultramafic igneous rock: given the lack of relict primary minerals and textures, geochemical methods would be appropriate to establish possible parental rocktypes.

PLATE 3

SAMPLE T26213

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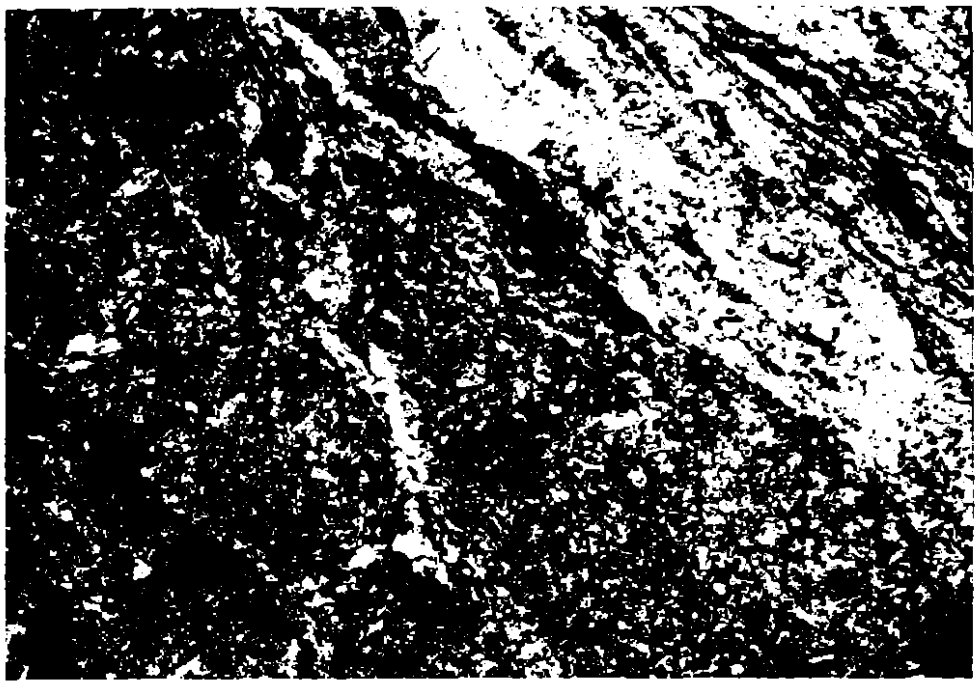

500 μm

a) Transmitted plane polarised light, crossed polars (x5, 24/1)

Blocky patches of carbonate (calcite, turbid colour) may have replaced primary pyroxene. Chlorite (dark blue, fine-grained) forms a massive matrix, probably after plagioclase. Replacement sericite (bright colours, upper right) occurs along a shear zone.

100 μm

b) Reflected plane polarised light (x20, 23/1)

A minor amount of sulphide is present in the altered rock. Pyrite (white) forms small blocky grains accompanied by sphalerite (grey, with micron-sized inclusions of chalcopyrite).

424107

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Amdel Limited
(Incorporated in S.A.)
31 Flemington Street,
Frewville, S.A. 5063

Telephone: (08) 372 2700

P.O. Box 114,
Eastwood, S.A. 5063

Telex: AA82520
Facsimile: (08) 79 6623

090

17 August 1990

RGC Exploration Pty Limited
Level 5, Bellerive Quay
31 Cambridge Road
BELLERIVE TAS 7018

ATT: MARK FLEMING/JOHN CROSSING

REPORT G 8706/91

YOUR REFERENCE:	Letter of request, D.J.F. Crossing, 23/7/90
IDENTIFICATION:	T26214 - 218
MATERIAL:	Drill core rock samples
LOCATION:	Tasmania
DATE RECEIVED:	25 July 1990
WORK REQUIRED:	Polished thin sections, routine petrographic and brief mineragraphic descriptions, photomicrography, X-ray diffraction.
Investigation and Report by:	Dr Douglas R. Mason

Keith Henley

Dr Keith J Henley
Manager, Geological Services

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PETROGRAPHIC AND MINERAGRAPHIC DESCRIPTIONS

FOR FIVE DRILL CORE ROCK SAMPLES

1. INTRODUCTION

Five (5) drill core rock samples were received from Mr. John Crossing (Senior Geologist, RGC Exploration Pty. Limited, Hobart, Tasmania) on July 25, 1990.

The sample numbers, and mineralogical notes provided, were as follows:

T26214	Massive quartz-pyrite-sphalerite
T26215	Pyrite-pyrrhotite-magnetite in carbonate gangue (pyrrhotite appears to replace pyrite).
T26216	Epidote-chlorite(?) alteration in mudstone
T26217	Massive pyrite-jamesonite(?)
T26218	Serpentinite(?) altered brecciated carbonate with minor pyrrhotite.

For each sample, it was requested that a routine petrographic and mineragraphic description be provided.

This report presents the results of this work.

2. METHODS

Each drill core was cut using a diamond saw, and areas for polished thin section preparation (PTS C53489-95) were selected to encompass the observable mineralogical and textural variations. Samples T26214 and T262125 were sufficiently variable to warrant two sections each.

Petrographic and brief mineragraphic descriptions were prepared using standard transmitted and reflected polarised light microscopy.

X-ray diffraction methods were used to confirm the identity of sulphide minerals in sample T26217. In particular, portion of the sample was cut off that contained a high abundance of a lustrous grey metallic phase. It was crushed and finely ground in mortar and pestle, and an X-ray diffraction trace was obtained and interpreted. Similar procedures were adopted to clarify the carbonate mineralogy of sample T26215, and the carbonate and serpentine mineralogy of sample T26218.

3. RESULTS

3.1 X-ray Diffraction

X-ray diffraction traces were obtained to clarify identification of fine-grained minerals in samples T26215, T26217, and T26218. The results are summarised in Table 1.

TABLE 1: X-RAY DIFFRACTION RESULTS FOR SELECTED SAMPLES

Note: Samples were selected to enhance the abundance of particular phases. The semi-quantitative abundances therefore do not relate to the sample as a whole.

Sample T26215 (Carbonate-rich portion)		Sample T26217 (Grey sulphide-rich portion)	
Dolomite	D	Boulangerite	D
Magnesite	SD	Pyrite	A
Siderite	A	Quartz	A
Pyrite	A		
Talc	Tr		

Sample T26218A (Carbonate-rich portion)		Sample T26218B (Dark portion)	
Dolomite	D	Antigorite	CD
Antigorite	A	Dolomite	CD
Talc	A	Talc	SD
Magnesite	A	Magnesite	A

Semiquantitative abbreviations:

D = Dominant. Used for the component apparently most abundant, regardless of its probable percentage level.

CD = Co-dominant. Used for two (or more) predominating components, both or all of which are judged to be present in roughly equal amounts.

SD = Sub-dominant. The next most abundant component(s) providing its percentage level is judged above about 20.

A = Accessory. Components judged to be present between the levels of roughly 5 and 20%.

Tr = Trace. Components judged to be below about 5%.

The X-ray diffraction trace for the selected portion of sample T26217 was readily resolved. The portion is dominated by boulangerite ($Pb_5Sb_4S_{11}$), with minor amounts of pyrite and quartz. No unidentified peaks remained in the trace, suggesting that no additional phases are present.

The X-ray diffraction trace for the selected portion of sample T26215 was resolved into the dominant carbonate minerals (dolomite > magnesite > siderite), with accessory amounts of pyrite and possible talc.

For sample T26218, two portions were studied separately: a pale, carbonate-rich portion, and a dark greenish black serpentine-rich portion. The carbonate mineralogy is demonstrated to be dominated by dolomite, with minor magnesite present. The serpentine mineral is shown to be antigorite, accompanied by a significant amount of talc.

3.2 Petrographic and Mineragraphic Descriptions

Routine petrographic and brief mineragraphic descriptions are presented in the following pages.

SAMPLE: T26214 ("Massive quartz-pyrite-sphalerite") :PTSC53489, 53490

Rock Name:

Sulphide-quartz vein rock

Hand Specimen:

The drill core rock sample is composed of abundant fine-grained grey quartz, with irregularly distributed subhedral crystals of silvery sulphide (pyrite) of millimetre size. Associated with the pyrite are interstitial angular patches of dark reddish brown sphalerite.

A second section was obtained from a vein that contained coarser-grained aggregates of sulphide minerals.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
T26214A (Massive sphalerite-pyrite-quartz rock)		
Pyrite	50	Massive sulphide-quartz rock
Quartz	40	Massive sulphide-quartz rock
Sphalerite	10	Massive sulphide-quartz rock
Pyrrhotite	<1	Inclusions in sphalerite
T26241B (Sulphide-bearing quartz vein)		
Quartz	53	Vein filling
Pyrite	25	Vein filling
Sphalerite	20	Vein filling
Galena	2	Vein filling
Pyrrhotite	Tr	Inclusions in sphalerite

In polished thin section, the samples display relatively coarse-grained vein textures.

Quartz is abundant, occurring as mosaics of fine but variable grain size (micron-sized to ~0.2 mm) in the massive rock. Grain size changes rapidly from place to place over distances of <1 mm. Commonly, quartz grain sizes tend to be larger around pyrite crystals on which they appear to have nucleated. In the vein (T26214B), quartz is coarser-grained, forming subhedral interlocking crystals of average size ~2 mm. They display the effects of minor deformation in the form of stain extinction, and grain boundaries are somewhat sutured.

Pyrite is more abundant in the massive rock than in the vein. It forms euhedral crystals of cubic morphology in both occurrences. The crystals range from <0.05 mm to ~0.8 mm in size, and average grain size is ~0.4 mm. Most crystals are relatively free of inclusions, although many display growth zones defined by minute (micron-sized) unidentified inclusions. Small inclusions of sphalerite are rare.

Sphalerite forms independent anhedral aggregates several mm in size. In transmitted light it is dark reddish brown in colour, suggesting a moderately high Fe content. In places it contains diffuse patches of paler yellow colour, suggesting a range of Fe content is present in the sphalerite. In reflected light, minute inclusions of pyrrhotite are observed to be reasonably uniformly distributed throughout the sphalerite. The inclusions range in size from a few microns to ~20 microns, they comprise ~2-5% of the sphalerite, and they tend to be aligned along crystallographic planes in the sphalerite.

Galena is observed only in the vein. It occurs as anhedral patches up to ~1 mm in size. Most is intimately intergrown with sphalerite, but some occurs as independent small patches within quartz.

The sample represents relatively coarse-grained sulphide-quartz vein material. The variable and, in places, fine-grained nature of the quartz gangue suggests a moderately shallow crustal site of crystallisation.

SAMPLE: T26215 ("Pyrite-pyrrhotite-magnetite in carbonate-gangue")

TS: PTSC53491, C53492

Rock Name:
Magnetite-sulphide calc-silicate rock

Hand Specimen:
The drill core rock sample is a heterogeneous textured rock, with large dark grey to black angular magnetic fragments in a white to pale grey matrix. Cutting the rock are poorly-defined veins dominated by yellowish pyrite grains of mm size accompanied by fine-grained patches of lustrous metallic grey sulphide.

The rock does not react with dilute HCl.

Two sections were prepared: one containing abundant sulphides, and one containing a large angular dark patch.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
T26215A (Sulphide-carbonate rock)		
Carbonate (?dolomitic)	50	?metasomatic
Pyrite	20	?metasomatic
Pyrrhotite	18	?metasomatic
Arsenopyrite	5	?metasomatic
Quartz	5	?metasomatic
Galena	2	?metasomatic
Boulangerite	Tr	?metasomatic
Chalcopyrite	Tr	?metasomatic
Marcasite	Tr	?metasomatic
T26215B (Magnetite-carbonate rock)		
Carbonate (?dolomitic)	92	?metasomatic
Magnetite	5	?metasomatic
Pyrite	3	?metasomatic
Arsenopyrite	<1	?metasomatic
Chalcopyrite	Tr	?metasomatic
Pyrrhotite	Tr	?metasomatic

The polished thin sections of this sample display consistent intergrowth textures suggestive of a hydrothermal metasomatic replacement origin.

Sample T26215A, representing a portion of the sample with sulphide-rich veining, contains abundant anhedral carbonate of average grain size ~1 mm, but ranging widely from <0.2 mm to >2 mm. Patches of strained quartz up to ~2 mm in size are sparsely scattered through the rock, intergrown with carbonate.

Pyrrhotite is moderately abundant, occurring as anhedral patches up to several mm in size, and also as much smaller patches (<0.1 mm) and subhedral laths up to ~1 mm long.

Pyrite forms creamish white cubic crystals (average size ~1 mm), and also occurs as very fine-grained aggregates that have partly replaced pyrrhotite along grain boundaries and fractures. It is estimated that ~50% of the primary pyrrhotite has been replaced in this manner by pyrite. Some patches of pyrite contain small, anhedral, paler, anisotropic patches of marcasite.

Arsenopyrite occurs as euhedral prisms, white and anisotropic in reflected light, ranging from quite small (<0.1 mm) to ~1 mm in size.

Galena occurs as large (up to ~2 mm) anhedral patches that tend to be intergrown with carbonate, independent of other sulphides.

Boulangerite is present in only trace amount, occurring as anhedral patches at margins of pyrite crystals.

Chalcopyrite occurs as small (<0.2 mm) anhedral patches in carbonate.

Sample T26215B, representing portion of the sample containing dark magnetitic patches, contains abundant colourless carbonate that forms a crystalline mosaic throughout the rock. In places, the carbonate also occurs in finer-grained, more turbid form in shapeless patches accompanying magnetite (see later). Carbonate also fills thin veinlets that cut the rock. X-ray diffraction (Table 1) reveals a complex carbonate assemblage composed dominantly of dolomite, but also including magnesite and accessory siderite.

Magnetite occurs as exceptionally small anhedral to subhedral grains (~2-10 μm in size) that are intergrown with fine-grained, turbid carbonate in restricted shapeless patches.

Pyrite occurs in three distinct forms: as small (<0.1 mm) euhedral crystals, as fine-grained aggregates pseudomorphous after pyrrhotite, and as thin discontinuous veinlets filling microfractures. The latter veinlets clearly cut the thin carbonate veins, suggesting late mobility of pyrite in the rock system.

Pyrrhotite is rare, occurring as relict anhedral patches within replacement pyrite. The replacement of pyrrhotite by pyrite supports similar observations in T26215A above.

Arsenopyrite is also present in trace amount, building small (<0.2 mm) euhedral prisms disseminated through the rock. Chalcopyrite, also present in accessory amount, forms small (<0.1 mm) anhedral disseminated patches.

The two polished thin sections of this sample provide supporting observations that allow the following interpretation:

i) Introduction of hydrothermal fluids into a carbonate-dominated host rock, resulting in recrystallisation of carbonate, and introduction of the sulphides pyrite, pyrrhotite, galena, arsenopyrite, and minor chalcopyrite and boulangerite. The sulphides tend to be concentrated in ill-defined vein systems. Magnetite crystallised in patches in the host carbonate rock.

ii) Late in the development of the hydrothermal system, the rock body suffered minor fracturing. Thin veinlets of pyrite filled the fractures. Partial replacement of pyrrhotite by pyrite may have occurred at this stage.

SAMPLE: T26216 ("Epidote-chlorite (?) alteration in mudstone")

TS: PTSC53493

Rock Name:
Epidote-chlorite metasomatite

Hand Specimen:
The drill core rock sample is composed of coarser-grained yellowish-green patches of epidote, arranged in discontinuous lenses with preferred orientation, in a finer-grained pale grey matrix.

The sample does not respond to the hand magnet, but effervesces moderately in response to dilute HCl.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Chlorite	50	metasomatic
Epidote (zoisite)	20	metasomatic
Actinolite	15	metasomatic
Sericite	10	metasomatic
Carbonate (calcite)	3	metasomatic
Quartz	2	metasomatic
Pyrite	Tr	metasomatic

In polished thin section, this sample displays a fine-grained granoblastic metamorphic texture with weakly developed lamination of relict primary origin.

Chlorite is the dominant mineral. It occurs as very fine-grained massive patches throughout the rock. In places it is concentrated in chlorite-rich, poorly-defined laminae several mm thick.

Epidote builds pleochroic yellow subhedral prisms of average grain size ~0.2 mm. It tends to form aggregates and epidote-rich laminae.

Actinolite occurs as fine-grained fibrous aggregates that also tend to be concentrated in actinolite-rich laminae.

Sericite forms very fine-grained massive mosaics, patches of which tend to be interspersed through chloritic mosaics.

Colourless carbonate (most probably calcite) occurs in some epidote-rich patches as interstitial optically-continuous patches up to several mm in size.

Quartz is present in minor amount as fine-grained patches, commonly associated with epidote.

The only sulphide observed is pyrite, which forms small (up to ~40 μm) euhedral crystals sparsely disseminated through the rock, especially in the chloritic areas.

There is little textural evidence as to the nature of the precursor rock. No relict primary microtextures have been preserved, but the overall fine-grained nature of the rock, together with the tendency for weak lamination, suggests a fine-grained precursor such as a fine-grained sedimentary rock. The extensive development of chlorite, epidote, sericite, actinolite, and calcite suggests that pervasive hydrothermal alteration of metasomatic nature has affected the rock body.

SAMPLE: T26217 ("Massive pyrite-jamesonite (?)") :PTSC53494

Rock Name:

Pyrite-boulangerite rock

Hand Specimen:

The drill core rock sample is composed of abundant even-grained pyrite crystals of mm size, irregularly disseminated through a matrix containing abundant lustrous silvery grey sulphide patches.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Pyrite	55	metasomatic
Quartz	25	metasomatic
Boulangerite	15	metasomatic
Carbonate (calcite)	5	metasomatic
Chalcopyrite	Tr	metasomatic

In polished thin section, this sample displays a granoblastic metasomatic texture. Mineral abundances are variable in the hand sample. The mode given above is an average over the thin section, which may not be representative of the rock sample as a whole.

Pyrite is abundant, forming euhedral crystals (average size ~0.6 mm) and aggregates of crystals. Inclusions of quartz are moderately common, especially in core regions, and inclusions of boulangerite occur in outer zones. A set of widely-spaced fractures with preferred orientation cuts the pyrite.

Quartz fills interstitial areas between pyrite crystals. It is variable in grain size, ranging from very fine-grained microcrystalline patches (average grain size <0.1 mm) to coarser-grained subhedral prisms up to ~1.5 mm long. The tendency to build prismatic crystals suggests that some of the crystallisation may have occurred in open-space sites.

Boulangerite is moderately abundant, forming anhedral patches and elongate subhedral lath-like crystals that range widely in size (micron-size to patches of cm size). In places, boulangerite forms small inclusions in the outer zones of pyrite crystals. The characteristic grey bireflectance and anistropism of the boulangerite aid in its identification, serving to distinguish it from superficially similar galena. X-ray identification has confirmed the optical observations.

Carbonate (calcite) occurs in minor amount in two forms: most occurs as anhedral, moderately coarse-grained patches intergrown with matrix quartz, but a minor amount occurs as thin veins that fill fractures cutting pyrite.

Chalcopyrite occurs in trace amount as small (<0.1 mm) anhedral patches, commonly associated with small boulangerite grains along pyrite grain boundaries.

The rock represents a massive sulphide-quartz deposit that may have formed in part by open-space filling processes during a hydrothermal metasomatic event. Microtextural relationships suggest the following paragenetic sequence:

i) Early crystallisation of pyrite.

ii) Continued crystallisation of pyrite, joined by quartz and boulangerite.

iii) Late crystallisation of boulangerite and chalcopyrite around pyrite grain boundaries.

iv) Fracturing of the rock body, and filling of fractures by thin calcite veinlets.

SAMPLE: T26218 ("Serpentinite (?) altered brecciated carbonate with minor pyrrhotite").

TS: PTSC53495

Rock Name:

Talc-serpentine-carbonate rock (altered ultrabasic rock)

Hand Specimen:

The drill core rock sample is composed of irregularly distributed angular patches of fine-grained greenish black material and coarser-grained white crystalline carbonate. Disseminated through the rock, in both white and dark areas, are angular patches of bronze-coloured sulphide that is weakly magnetic (pyrrhotite).

The rock effervesces weakly in response to dilute HCl.

Petrography and Mineragraphy:

Mineral	Vol.%	Origin
Carbonate (?dolomite)	45	metasomatic
Serpentine	30	metasomatic
Talc	20	metasomatic
Pyrrhotite	5	metasomatic
Chalcopyrite	Tr	metasomatic

In polished thin section, this sample displays a fine-grained crystalline metamorphic texture, with heterogeneous distribution of phases.

Carbonate dominates the rock. It occurs mainly as relatively coarse-grained angular patches of cm size, in which the average grain size is ~1.5 mm. Gran size varies widely. In places, thin finer-grained veinlets cut the earlier coarser-grained carbonate. All of the carbonate is colourless, but X-ray diffraction has demonstrated that abundant dolomite is accompanied by accessory magnesite (Table 1).

Serpentine occurs as very fine-grained, pale green fibrous mosaics irregularly distributed through the rock. Rarely, grain size approaches ~0.1 mm, and generally is $<<0.1$ mm.

Talc occurs as aggregates of colourless flakes (average grain size <0.05 mm, but ranging up to ~0.2 mm). It is commonly intimately intergrown with serpentine.

Pyrrhotite occurs as anhedral patches, sporadically disseminated through the rock. Some patches range up to ~2 mm in size, but most are smaller (~0.05-0.5 mm). Inclusions of serpentine flakes and carbonate patches are common.

Chalcopyrite occurs as rare anhedral patches associated with pyrrhotite.

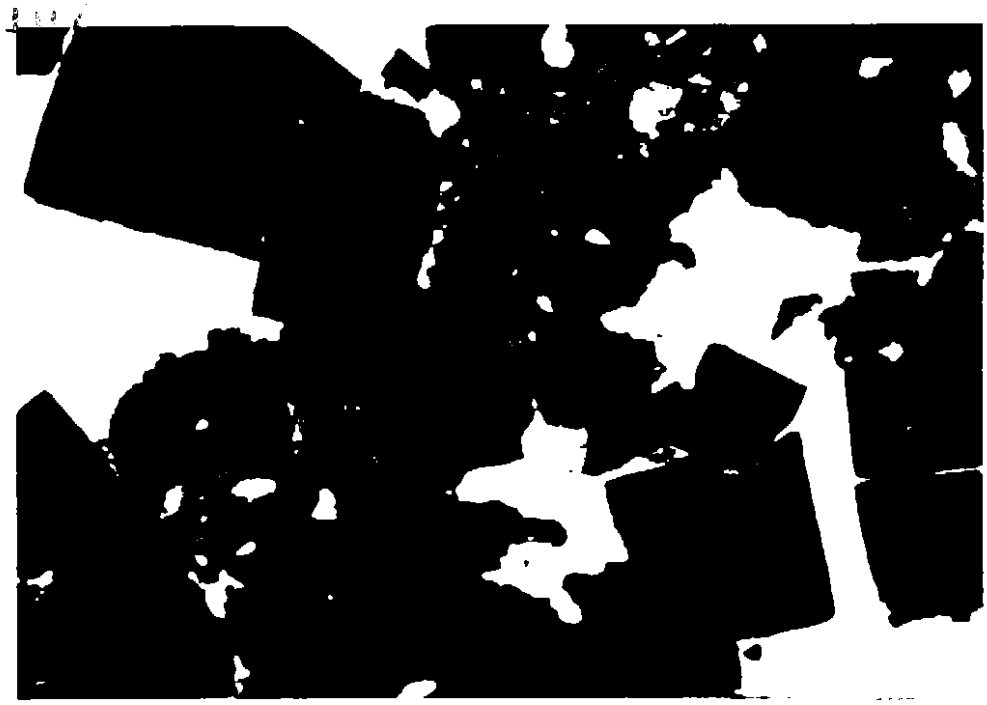
All textural features of the primary rock have been obliterated by the effects of pervasive alteration that has generated the assemblage carbonate + serpentine + talc + sulphides. The bulk composition and mineralogy suggests that the primary rock was ultrabasic in composition.

PHOTOMICROGRAPHS

A selection of colour photomicrographs is presented to display important mineralogical and textural features of the rocks.

PLATE 1

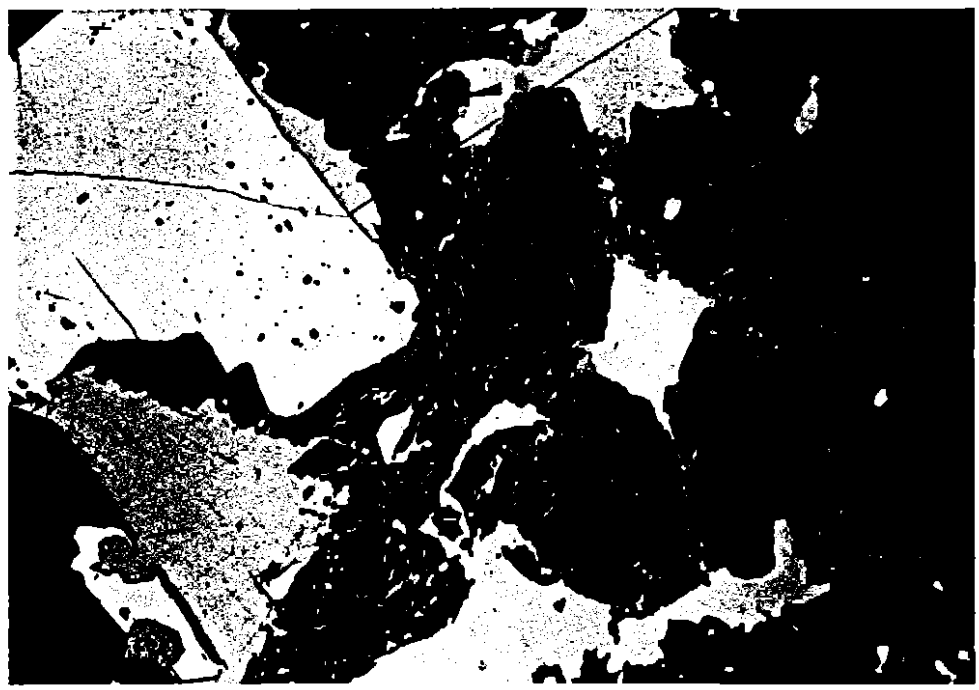
Sample T26214



500 μm

a) Transmitted plane polarised light (x5, 1/1)

Dark reddish brown sphalerite most likely has a moderately high Fe content. It is accompanied by euhedral pyrite crystals (black) and quartz (white).



100 μm

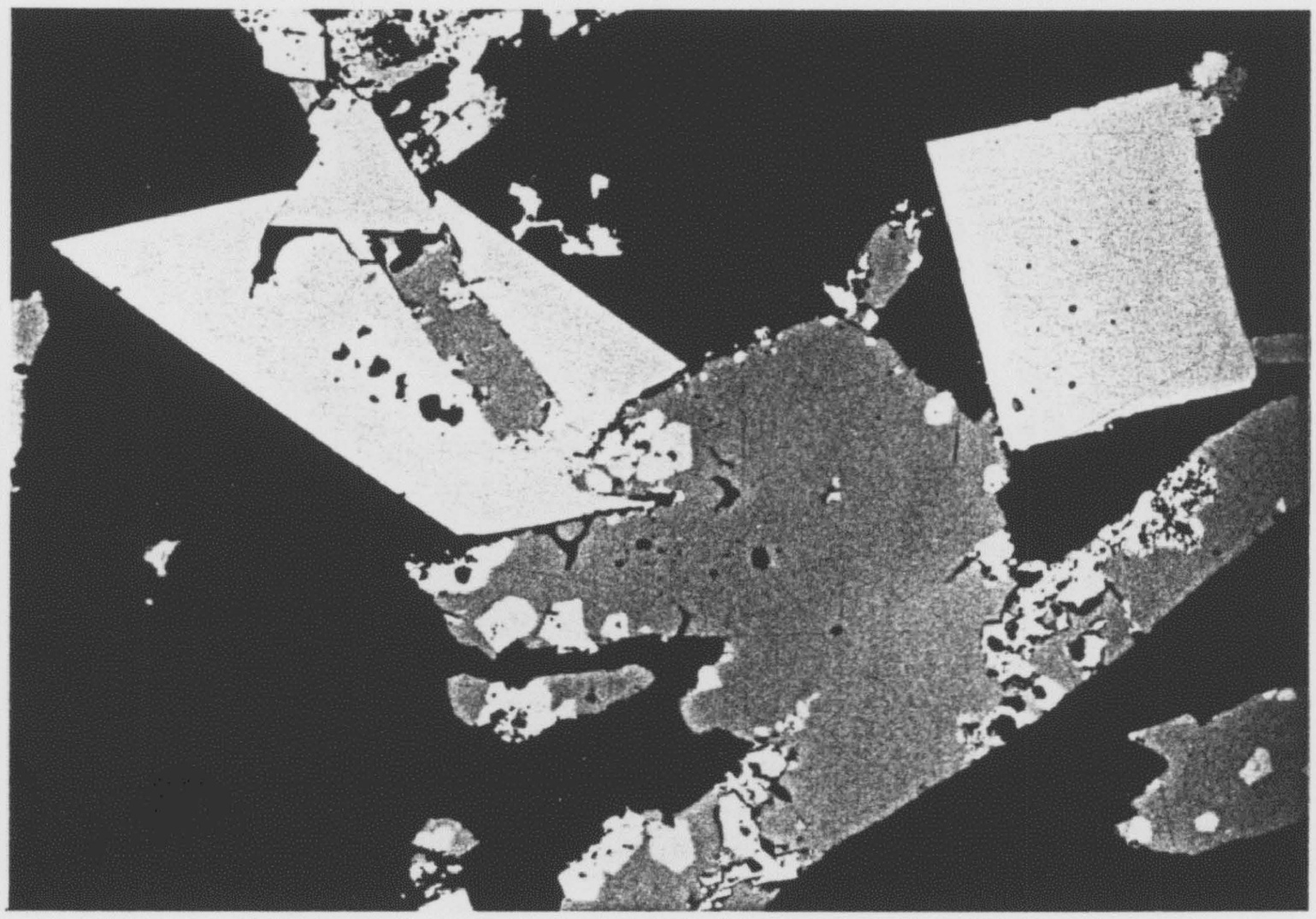
b) Reflected plane polarised light (x20, 4/1)

Sphalerite (medium grey) contains small inclusions of pyrrhotite (pink) and, to a lesser extent galena (pale grey) which most commonly occurs in discrete patches.

424125

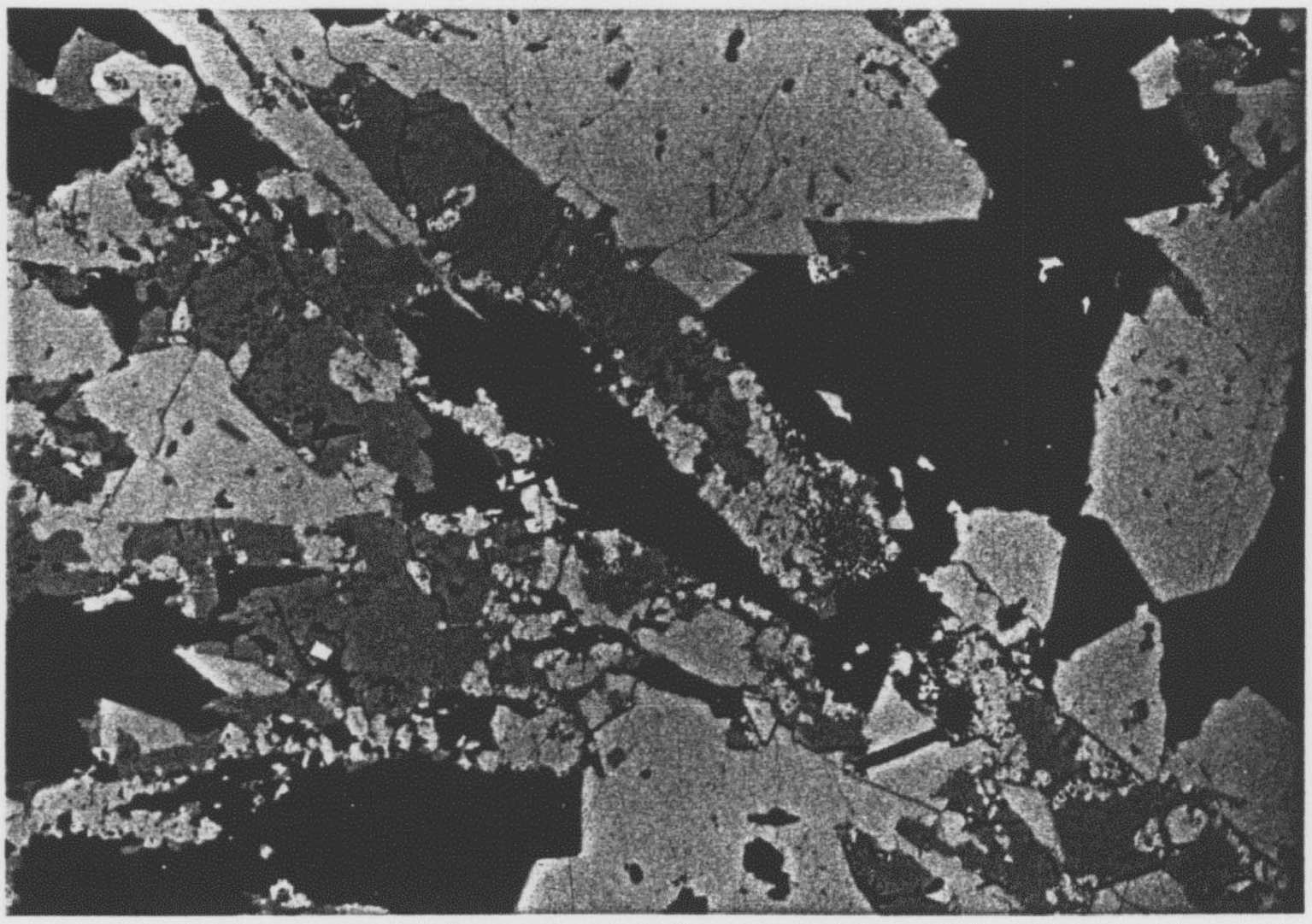
PLATE 2

Sample T26215



a) Reflected plane polarised light (x20, 6/1)

Pyrrhotite laths (pinkish brown) have been partly replaced by creamish pyrite which also builds discrete large euhedral crystals (upper right). Arsenopyrite (white, left) builds euhedral discrete crystals. The dark gangue mineral is quartz.



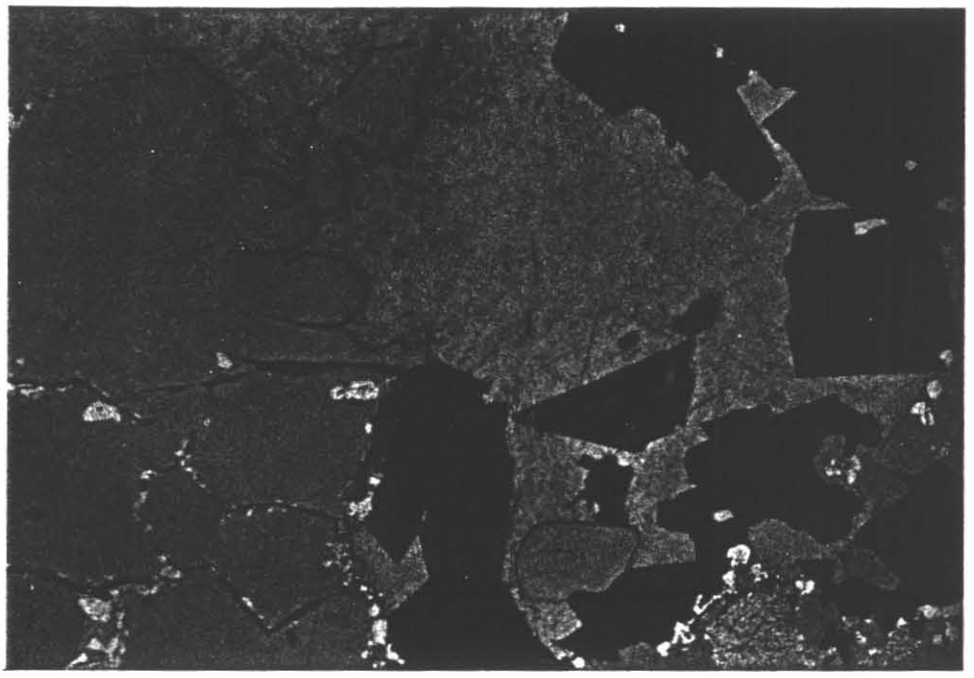
b) Reflected plane polarised light (x10, 7/1)

Abundant arsenopyrite (white) is intergrown with pyrrhotite laths (pinkish brown) that have been partly replaced by fin-grained pyrite (creamish white). The dark gangue mineral is quartz.

PLATE 3

424126

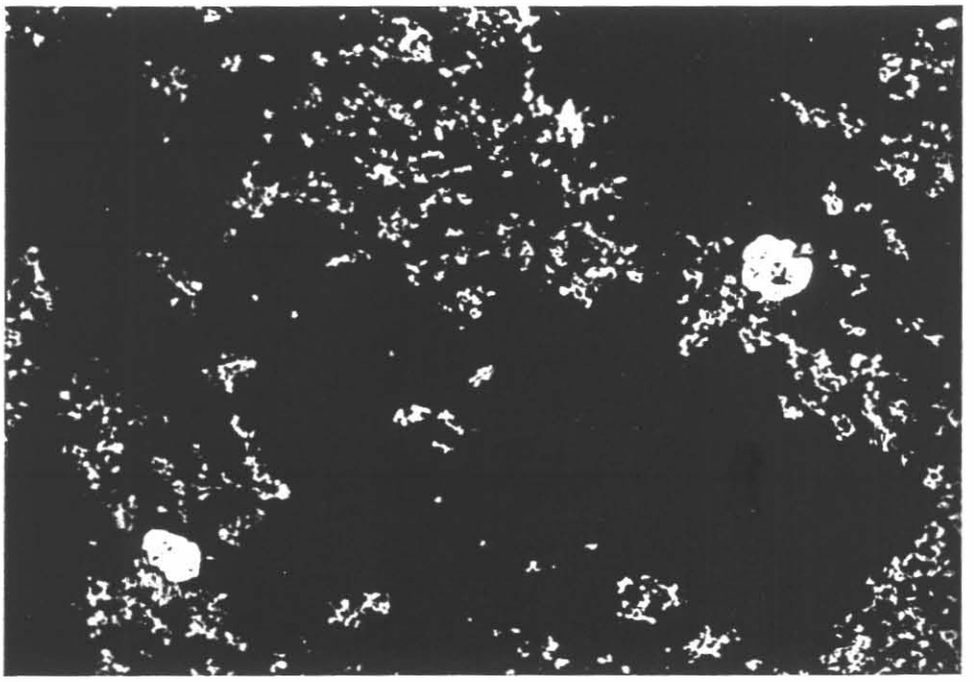
Sample T26215 (continued)



100 μm

a) Reflected plane polarised light (x20, 8/1)

Galena (pale grey) forms anhedral patches intergrown with carbonate gangue (dark grey euhedral crystals). Note the partial replacement of pyrrhotite (pinkish brown) by pyrite (creamish white) along grain boundaries.



100 μm

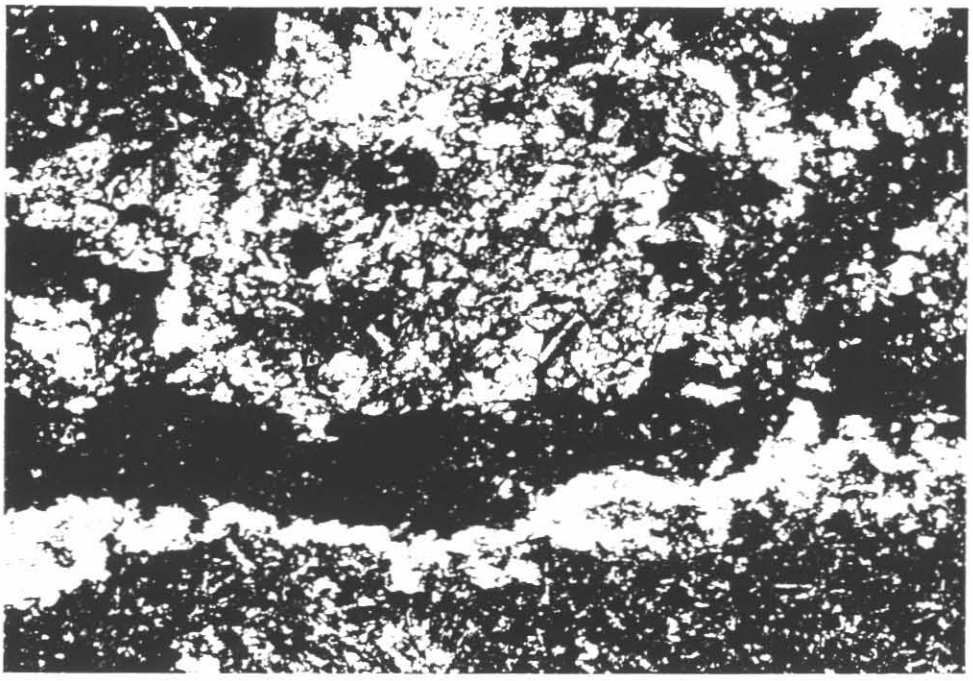
b) Reflected plane polarised light (x20, 9/1)

Magnetite (grey) occurs in very fine-grained patches intergrown with carbonate, accompanied by small pyrite crystals and aggregates (white).

PLATE 4

424127

Sample T26216



500 μm

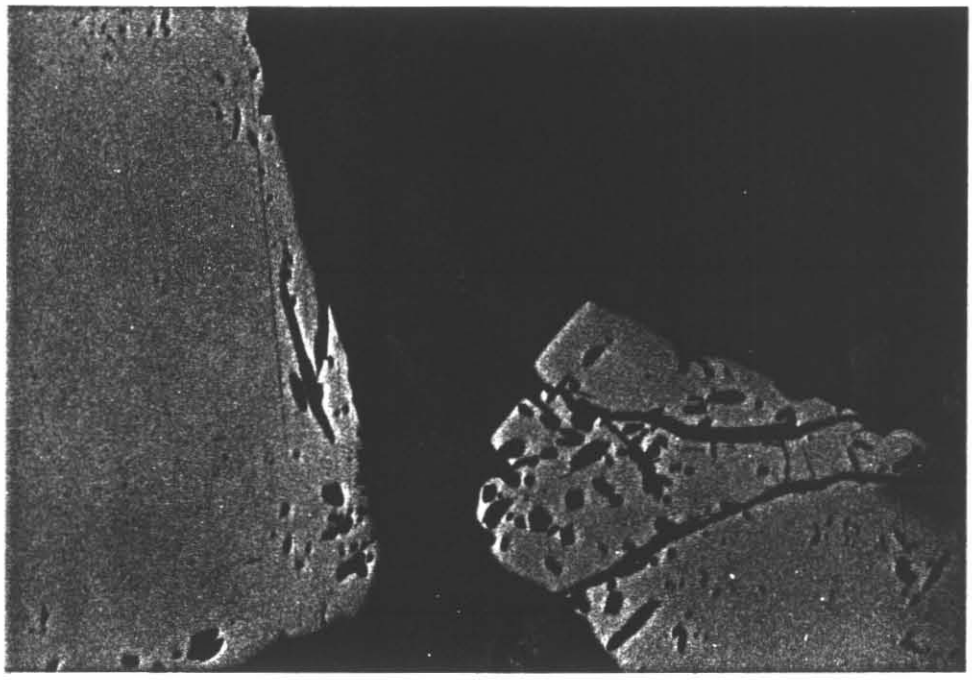
a) Transmitted plane polarised light (x5, 11/1)

Patches of granular epidote (bright colours) are sporadically distributed through weakly laminated chlorite (anomalous khaki and blue interference colours, centre and bottom) and sericite (bright white laminae and patches).

424128

PLATE 5

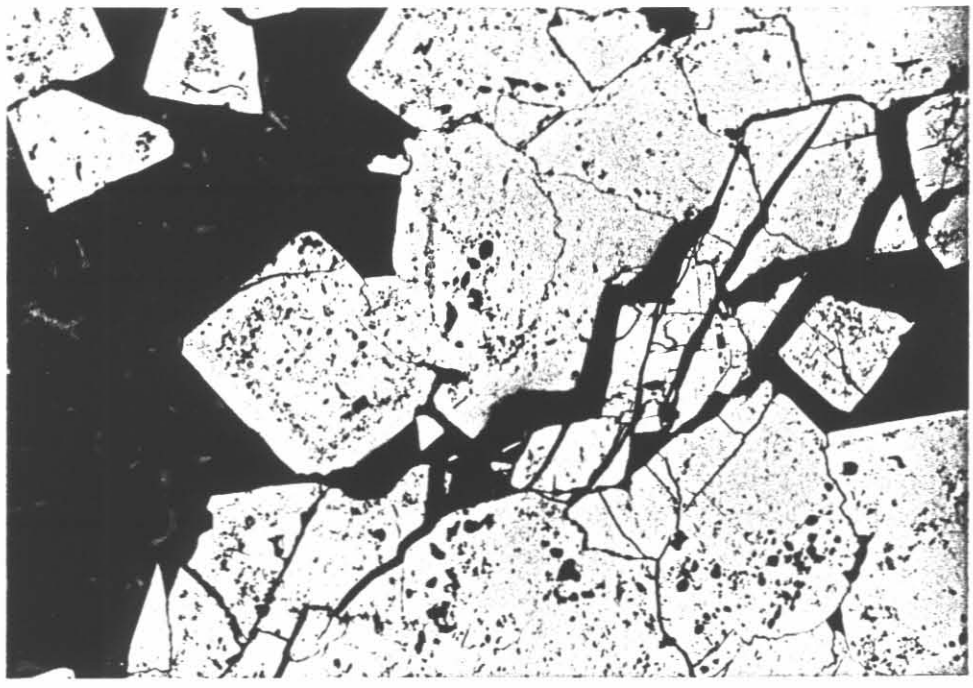
Sample T26217



200 μm

a) Reflected plane polarised light (x10, 14/1)

Boulangerite (medium grey, confirmed by X-ray diffraction) mostly occurs as discrete anhedral patches, but occurs in minor amount as inclusions in outer portions of pyrite crystals (lower left, lower centre). The black gangue phase is quartz.



500 μm

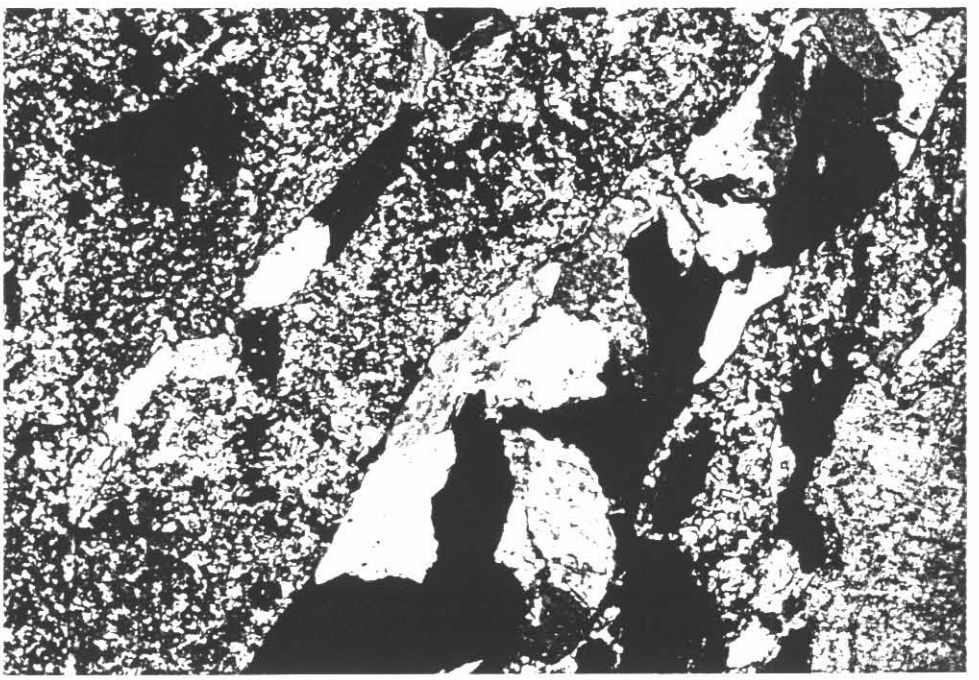
b) Reflected plane polarised light (x5, 15/1)

Euhedral pyrite crystals (creamish white) are cut by fractures oriented NE-SW. The fractures have been filled by late carbonate. Small patches of boulangerite (grey, left) are intergrown with quartz and carbonate.

PLATE 6

424129

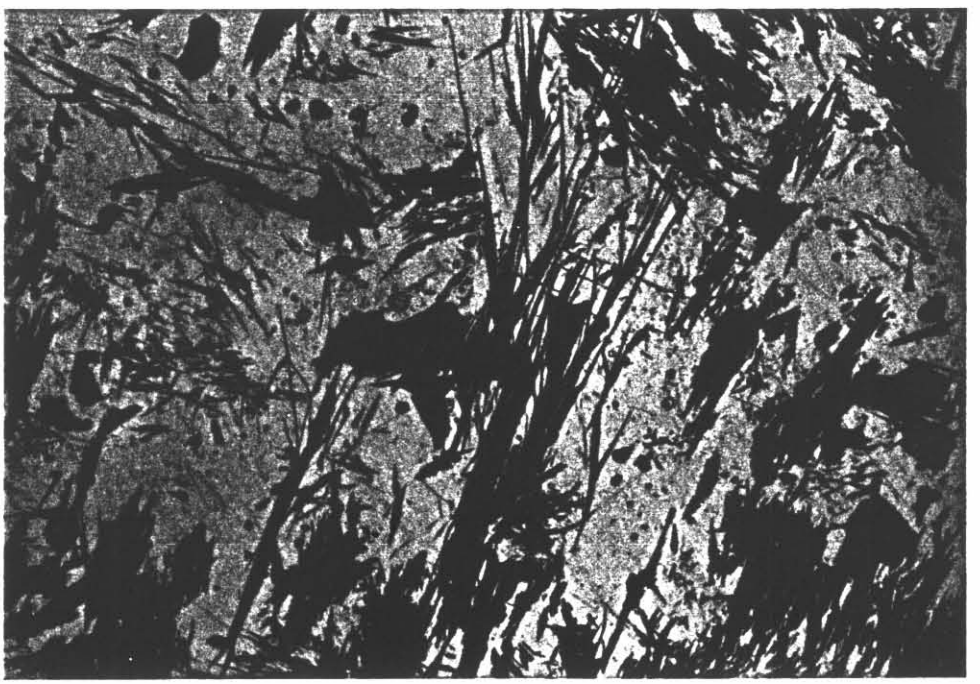
Sample T26218



500 μm

a) Transmitted light, crossed polars (x5, 16/1)

Late dolomite veinlets cut fine-grained host rock composed of antigorite and lesser talc (confirmed by X-ray diffraction).



100 μm

b) Reflected plane polarised light (x20, 17/1)

Pyrrhotite (brownish cream) occurs as disseminated crystals and patches containing intergrown sheaves of serpentine (dark fibres) and accessory chalcopyrite (yellow, centre).

424130

APPENDIX 2

Zeehan Project C-Horizon Soil Sampling Programme

Analytical Results

24 22 - 24678
111

ANALABS 424131

5521/323.

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.06884

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0159A	T-5521

DATE RECEIVED	RESULTS REQUIRED
90/02/23	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	14/03/90	1	100

JOB 891

STATE OF SAMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

REMARKS

EL 42/87 ZEEHAN

PARTING LAKE GRID

AUGER SOIL SAMPLES

T 24579 to T24678

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER Jenkins

1

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424132

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06884	14/03/90	0159A	1 OF 5

TUBE No.	SAMPLE No	Cu	Pb	Zn	Bi	Sn				
1	T24579	25	10	30	<10	9				
2	T24580	–	–	–	–	–				
3	T24581	25	65	60	<10	8				
4	T24582	30	265	185	<10	12				
5	T24583	20	5	80	<10	8				
6	T24584	30	35	160	<10	9				
7	T24585	10	<5	40	<10	8				
8	T24586	35	5	40	<10	7				
9	T24587	10	<5	<5	<10	8				
10	T24588	5	<5	20	<10	7				
11	T24589	5	5	5	<10	<3				
12	T24590	15	<5	25	<10	6				
13	T24591	10	<5	<5	<10	3				
14	T24592	10	10	5	<10	5				
15	T24593	10	<5	<5	<10	4				
16	T24594	5	10	5	<10	7				
17	T24595	5	25	5	<10	7				
18	T24596	5	10	5	<10	4				
19	T24597	10	15	10	<10	–				
20	T24598	5	<5	5	<10	3				
21	T24599	10	<5	<5	<10	3				
22	T24600	–	–	–	–	7				
23	T24601	5	<5	5	<10	5				
24	T24602	10	10	<5	<10	6				
25	T24603	5	5	<5	<10	<3				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

115

ANALABS

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424133

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06894	14/03/90	0159A	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24604	25	25	5	<10	5				
2	T24605	5	20	10	<10	4				
3	T24606	95	20	365	<10	6				
4	T24607	25	20	35	<10	5				
5	T24608	10	5	10	<10	5				
6	T24609	10	15	5	<10	7				
7	T24610	15	25	5	<10	<3				
8	T24611	20	20	45	<10	10				
9	T24612	15	10	5	<10	5				
10	T24613	10	10	5	<10	7				
11	T24614	70	40	60	<10	5				
12	T24615	25	20	10	10	5				
13	T24616	30	20	125	<10	5				
14	T24617	5	15	25	20	9				
15	T24618	40	35	5	<10	6				
16	T24619	95	35	25	<10	13				
17	T24620	–	–	–	–	–				
18	T24621	10	25	15	<10	6				
19	T24622	30	20	40	<10	8				
20	T24623	10	20	10	<10	4				
21	T24624	15	20	10	<10	8				
22	T24625	45	25	125	<10	9				
23	T24626	60	20	40	<10	9				
24	T24627	90	35	300	<10	7				
25	T24628	70	30	150	<10	7				

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424134

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06884	14/03/90	0159A	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24629	5	5	5	<10	10				
2	T24630	15	<5	<5	<10	4				
3	T24631	130	25	10	<10	8				
4	T24632	280	40	10	<10	12				
5	T24633	10	5	5	<10	10				
6	T24634	10	<5	<5	<10	5				
7	T24635	15	10	10	<10	<3				
8	T24636	45	30	140	<10	5				
9	T24637	60	15	735	<10	9				
10	T24638	35	40	30	<10	4				
11	T24639	5	5	<5	<10	<3				
12	T24640	–	–	–	–	–				
13	T24641	5	<5	<5	<10	<3				
14	T24642	10	<5	5	<10	<3				
15	T24643	5	<5	<5	<10	7				
16	T24644	5	20	5	<10	5				
17	T24645	5	35	5	<10	9				
18	T24646	5	10	<5	<10	7				
19	T24647	10	<5	<5	<10	5				
20	T24648	10	10	<5	<10	6				
21	T24649	10	<5	<5	<10	<3				
22	T24650	10	<5	<5	<10	6				
23	T24651	15	20	20	<10	7				
24	T24652	15	40	5	<10	8				
25	T24653	10	10	5	<10	5				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER Jenkins

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

118

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06894	14/03/90	0159A	4 OF 5

TUBE No	SAMPLE No	Cu	Pb	Zn	Bi	Sn				
1	T24654	10	5	5	<10	4				
2	T24655	5	5	5	<10	3				
3	T24656	90	85	1600	<10	7				
4	T24657	5	<5	10	<10	7				
5	T24658	5	5	5	<10	8				
6	T24659	10	15	15	<10	8				
7	T24660	–	–	–	–	–				
8	T24661	5	10	<5	<10	5				
9	T24662	<5	15	5	<10	6				
10	T24663	130	65	95	<10	<3				
11	T24664	80	70	110	<10	5				
12	T24665	20	<5	1300	<10	5				
13	T24666	60	25	620	<10	6				
14	T24667	45	90	90	<10	7				
15	T24668	20	15	5	<10	8				
16	T24669	10	10	5	<10	7				
17	T24670	10	5	5	<10	8				
18	T24671	10	15	10	10	5				
19	T24672	5	25	5	20	3				
20	T24673	10	15	5	20	3				
21	T24674	5	20	5	<10	10				
22	T24675	5	20	10	<10	6				
23	T24676	5	20	5	<10	11				
24	T24677	5	30	10	<10	7				
25	T24678	10	<5	15	<10	4				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

LL7

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.05.06884	14/03/90	0159A	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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24679 – 24779

120

424137

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8870

ANALYTICAL REPORT No. 95.1.08.06885

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0159B	T-5521

DATE RECEIVED	RESULTS REQUIRED
90/02/23	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
3	14/03/90	1	100

STATE OF SAMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

REMARKS

EL 42/87 ZEEHAN

PARTING LAKE GRID

Auger Soil Samples.

T24679 to T24779.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER CJenkins

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424138

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

121

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06885	14/03/90	01598	1 OF 5

TJBS No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24679	<5	5	10	<10	<3				
2	T24680	--	--	--	--	--				
3	T24681	5	<5	10	<10	52	620000N / 6095E			
4	T24682	10	20	15	20	6				
5	T24683	5	10	20	10	7				
6	T24684	10	10	90	10	4				
7	T24685	15	35	40	20	<3				
8	T24686	130	10	470	10	5	620000N / 6085E			
9	T24687	10	<5	260	<10	5				
10	T24688	5	10	20	10	5				
11	T24689	5	15	20	20	8				
12	T24690	20	5	32	10	3				
13	T24691	15	20	35	20	9				
14	T24692	30	60	20	<10	8				
15	T24693	15	35	15	10	11				
16	T24694	5	15	15	<10	6				
17	T24695	<5	25	10	10	10				
18	T24696	5	10	10	<10	6				
19	T24697	<5	10	15	<10	5				
20	T24698	5	5	10	10	6				
21	T24699	50	20	140	10	10				
22	T24700	--	--	--	--	--				
23	T24701	25	20	55	<10	9				
24	T24702	15	60	70	10	8				
25	T24703	35	40	80	10	10				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
-- = element not determined

AUTHORISED OFFICER

122

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06865	14/03/90	01598	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24704	20	15	60	20	10				
2	T24705	15	10	60	20	9				
3	T24706	5	10	10	10	7				
4	T24707	<5	25	10	<10	4				
5	T24708	5	<5	15	20	<3				
6	T24709	10	<5	10	20	<3				
7	T24710	5	<5	10	20	4				
8	T24711	5	10	10	20	7				
9	T24712	<5	<5	10	10	4				
10	T24713	<5	10	15	<10	8				
11	T24714	5	<5	15	10	4				
12	T24715	5	5	50	10	8				
13	T24716	150	95	25	<10	7				
14	T24717	60	160	710	20	6				
15	T24718	15	15	40	10	6				
16	T24719	45	5	65	<10	3				
17	T24720	–	–	–	–	–				
18	T24721	65	45	500	20	7				
19	T24722	25	60	725	10	7				
20	T24723	50	30	90	10	7				
21	T24724	5	45	15	<10	4				
22	T24725	5	100	15	10	6				
23	T24726	75	170	60	10	10				
24	T24727	25	35	30	<10	9				
25	T24728	10	10	25	<10	12				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER C Jenkins

120

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	90.1.02.06895	14/03/90	01598	3 OF 5

TUBE No	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24729	150	80	240	10	8				
2	T24731	30	35	70	10	9				
3	T24732	60	5	115	10	4				
4	T24733	50	30	60	10	9				
5	T24734	45	40	75	10	7				
6	T24735	20	25	95	<10	9				
7	T24736	15	25	30	<10	7				
8	T24737	125	95	385	10	5				
9	T24738	50	70	185	<10	9				
10	T24739	100	40	280	<10	3				
11	T24740	–	–	–	–	–				
12	T24741	10	40	30	<10	8				
13	T24742	5	30	30	10	6				
14	T24743	360	3200	935	10	5				
15	T24744	25	105	60	10	6				
16	T24745	10	30	25	10	9				
17	T24746	<5	35	15	10	9				
18	T24747	5	10	20	<10	11				
19	T24748	5	5	15	<10	<3				
20	T24749	<5	10	10	<10	5				
21	T24750	<5	455	15	10	6				
22	T24751	5	5	10	<10	<3				
23	T24752	5	15	15	10	7				
24	T24753	5	<5	10	10	5				
25	T24754	5	110	15	10	7				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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1

123

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424141

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06885	14/03/90	01598	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24755	5	10	15	10	4				
2	T24756	5	10	15	<10	5				
3	T24757	5	<5	10	<10	5				
4	T24758	40	105	20	<10	5				
5	T24759	5	<5	5	<10	4				
6	T24760	–	–	–	–	3				
7	T24761	30	5	20	<10	7				
8	T24762	25	675	25	10	5				
9	T24763	50	15	25	10	6				
10	T24764	20	35	20	<10	4				
11	T24765	5	50	10	<10	7				
12	T24766	5	15	10	<10	3				
13	T24767	5	<5	15	<10	5				
14	T24768	5	10	20	<10	3				
15	T24769	55	20	30	<10	6				
16	T24770	30	25	30	<10	3				
17	T24771	5	5	15	<10	3				
18	T24772	5	<5	20	<10	3				
19	T24773	5	35	15	<10	5				
20	T24774	5	90	10	<10	3				
21	T24775	5	<5	10	<10	9				
22	T24776	10	<5	10	<10	5				
23	T24777	5	5	10	<10	<3				
24	T24778	10	<5	10	<10	4				
25	T24779	10	<5	20	<10	6				

Results in ppm unless otherwise specified
T = element present but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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1

12.

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06035	14/03/90	01598	5 OF 5

TUBE No	SAMPLE No	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

1

T24780 - 790

T24801 - 840

424145

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
52 Murray Road, Welshpool, W.A. 6106
Phone (09) 458 7999
FAX: (09) 31 8890
Telex AA92560

ANALYTICAL REPORT No. 90.1.08.06886

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
01590	T-5521

DATE RECEIVED	RESULTS REQUIRED
90/02/23	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	21/03/90	1	100

Job 893

STATE OF SAMPLES (REFER BELOW)	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

REMARKS

EL 42/87 ZEEHAN

Auger Soil Samples

1. PARTING LAKE GRID
T24780 - T24821

2. COMSTOCK GRID
T24822 - T24890.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424144

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.09.06886	21/03/90	01590	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24780	—	—	—	—	—				
2	T24781	10	15	20	<10	9				
3	T24782	5	5	<5	<10	4				
4	T24783	70	15	10	10	10				
5	T24784	95	5	5	<10	16				
6	T24785	10	10	5	10	<3				
7	T24788	5	10	5	<10	7				
8	T24789	5	5	5	<10	5				
9	T24790	5	15	10	10	7				
10	T24800	—	—	—	—	—				
11	T24801	20	15	40	10	6				
12	T24802	15	5	30	10	7				
13	T24803	10	5	50	<10	5				
14	T24804	45	25	10	<10	12				
15	T24805	10	25	5	10	11				
16	T24806	5	5	10	<10	8				
17	T24807	10	40	10	10	6				
18	T24808	15	15	10	<10	7				
19	T24809	20	10	35	<10	5				
20	T24810	10	10	10	10	5				
21	T24811	55	35	60	10	8				
22	T24812	45	20	30	<10	7				
23	T24813	10	40	10	<10	9				
24	T24814	5	10	10	<10	5				
25	T24815	5	20	10	<10	4				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424145

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06836	21/03/90	01590	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24816	5	25	5	10	5				
2	T24817	5	15	5	<10	7				
3	T24818	15	25	10	10	8				
4	T24819	5	10	<5	<10	5				
5	T24820	–	–	–	–	7				
6	T24821	10	35	10	<10	6				
7	T24822	85	40	175	<10	9				
8	T24823	95	120	225	<10	–				
9	T24824	140	95	200	<10	16				
10	T24825	125	35	265	<10	10				
11	T24826	130	95	280	<10	6				
12	T24827	140	1300	340	<10	6				
13	T24828	75	90	370	10	9				
14	T24829	70	40	500	10	6				
15	T24830	15	15	10	<10	–				
16	T24831	5	30	10	10	8				
17	T24832	5	95	5	<10	4				
18	T24833	5	5	<5	<10	6				
19	T24834	5	5	<5	<10	6				
20	T24835	5	10	5	<10	6				
21	T24836	10	15	<5	10	6				
22	T24837	5	10	10	<10	5				
23	T24838	5	5	5	<10	7				
24	T24839	25	995	30	<10	<5				
25	T24840	–	–	–	–	5				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424146

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06836	21/03/90	01570	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24841	5	10	10	<10	7				
2	T24842	5	15	15	<10	5				
3	T24843	<5	15	10	<10	9				
4	T24844	45	60	160	<10	11				
5	T24845	25	30	50	<10	6				
6	T24846	100	40	90	<10	6				
7	T24847	90	45	135	<10	7				
8	T24848	130	20	375	<10	7				
9	T24849	105	45	155	<10	8				
10	T24850	155	70	170	<10	6				
11	T24851	30	75	70	<10	9				
12	T24852	130	195	200	<10	8				
13	T24853	5	15	10	<10	7				
14	T24854	5	20	10	<10	7				
15	T24855	5	<5	5	<10	8				
16	T24856	5	5	10	<10	8				
17	T24857	5	<5	10	<10	4				
18	T24858	5	395	10	<10	14				
19	T24859	5	165	5	<10	7				
20	T24860	–	–	–	–	–				
21	T24861	5	60	10	<10	6				
22	T24862	5	25	5	<10	9				
23	T24863	5	20	5	<10	12				
24	T24864	5	25	10	<10	11				
25	T24865	10	265	10	<10	14				

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

ANALABS

424147

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	93.1.08.06886	21/03/90	0159C	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24866	160	4650	1550	<10	29				
2	T24867	135	215	460	<10	9				
3	T24868	25	65	65	<10	14				
4	T24869	60	125	165	<10	15				
5	T24870	50	540	960	<10	27				
6	T24871	45	325	175	<10	12				
7	T24872	10	440	90	<10	8				
8	T24873	95	505	330	<10	12				
9	T24874	95	175	590	<10	25				
10	T24875	60	125	720	<10	10				
11	T24876	35	160	65	<10	10				
12	T24877	90	230	160	<10	13				
13	T24878	15	20	50	10	8				
14	T24879	5	5	10	<10	8				
15	T24880	-	-	-	-	-				
16	T24881	5	5	10	<10	6				
17	T24882	5	10	5	<10	5				
18	T24883	5	<5	10	<10	3				
19	T24884	<5	<5	5	<10	5				
20	T24885	5	<5	5	<10	9				
21	T24886	5	10	10	<10	10				
22	T24887	5	20	5	<10	5				
23	T24888	95	3200	1650	10	49				
24	T24889	75	1-40%	1450	10	47				
25	T24890	95	7930	965	<10	57				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06806	21/03/90	01590	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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424149

T24891 - 920

T24931 - 25000

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.06887

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
01590	T-5521

DATE RECEIVED	RESULTS REQUIRED
90/02/23	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	21/03/90	1	100

JOB 898

STATE OF SAMPLES	PRE-TREATMENT								ANALYSIS			
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE		REFER TO ANALYSIS SECTION	PREPARATION	METHOD

Mr. DOF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO: R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO:

REMARKS

E.L. 42/87 ZEEHAN

Auger Soil Samples

1. PARTING LAKE GRID
   T24901 - T24920
2. COMSTOCK GRID.
   T24891 - T24900 &
   T24931 - T25000

T24921 - T24930 MISSING.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

424150

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	93.1.08.06887	21/05/90	01590	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24891	90	7900	800	<10	22				
2	T24892	70	3500	735	<10	38				
3	T24893	80	6650	360	<10	42				
4	T24894	85	455	975	<10	16				
5	T24895	60	540	410	<10	19				
6	T24896	50	350	335	<10	11				
7	T24897	40	450	80	<10	12				
8	T24898	50	110	390	<10	11				
9	T24899	140	380	575	10	6				
10	T24900	--	--	--	--	--				
11	T24901	5	20	10	<10	8				
12	T24902	<5	5	10	10	4				
13	T24903	5	10	10	<10	4				
14	T24904	<5	<5	15	<10	3				
15	T24905	<5	5	10	<10	3				
16	T24906	55	30	105	<10	6				
17	T24907	5	<5	5	<10	3				
18	T24908	165	60	505	<10	10				
19	T24909	10	<5	15	<10	5				
20	T24910	5	<5	20	<10	6				
21	T24911	35	5	15	<10	6				
22	T24912	<5	<5	10	<10	3				
23	T24913	80	20	140	<10	6				
24	T24914	60	30	65	<10	14				
25	T24915	55	40	95	<10	7				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424151

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06807	21/03/95	01590	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Ni	Sn				
1	T24916	35	40	50	<10	5				
2	T24917	20	45	50	<10	10				
3	T24918	25	25	35	<10	5				
4	T24919	25	30	85	10	8				
5	T24920	–	–	–	–	–				
6	T24931	5	10	10	<10	4				
7	T24932	5	<5	5	10	<3				
8	T24933	30	20	60	10	8				
9	T24934	15	50	35	<10	5				
10	T24935	5	5	5	10	6				
11	T24936	5	5	10	20	7				
12	T24937	5	<5	10	<10	<3				
13	T24938	20	5	15	10	6				
14	T24939	<5	25	30	10	9				
15	T24940	–	–	–	–	–				
16	T24941	15	150	15	<10	<3				
17	T24942	50	10	400	40	13				
18	T24943	90	200	1500	20	10				
19	T24944	60	5	100	<10	12				
20	T24945	20	15	30	10	9				
21	T24946	20	60	75	10	5				
22	T24947	35	5	155	<10	7				
23	T24948	60	35	170	10	7				
24	T24947	80	1000	385	<10	21				
25	T24950	60	105	130	<10	11				

Results in ppm unless otherwise specified
T = element present but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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424152

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06887	21/03/95	01591	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24951	40	35	65	10	9				
2	T24952	20	30	25	10	6				
3	T24953	10	35	35	10	7				
4	T24954	60	120	200	<10	6				
5	T24955	40	335	150	<10	7				
6	T24956	45	70	260	<10	7				
7	T24957	50	65	110	10	9				
8	T24958	30	50	150	<10	8				
9	T24959	35	305	595	<10	17				
10	T24960	—	—	—	—	—				
11	T24961	15	260	160	<10	4				
12	T24962	10	45	25	<10	10				
13	T24963	10	15	35	<10	7				
14	T24964	5	5	10	<10	5				
15	T24965	<5	<5	10	<10	4				
16	T24966	5	15	10	<10	4				
17	T24967	15	35	35	<10	9				
18	T24968	25	25	80	<10	9				
19	T24969	70	30	190	<10	7				
20	T24970	30	20	110	<10	11				
21	T24971	30	90	90	10	11				
22	T24972	45	70	145	<10	9				
23	T24973	40	300	445	<10	15				
24	T24974	90	810	140	<10	13				
25	T24975	50	490	900	<10	14				

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06887	21/03/90	01590	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T24976	35	5	65	<10	6				
2	T24977	115	30	230	<10	10				
3	T24978	30	40	100	<10	13				
4	T24979	90	100	280	<10	5				
5	T24980	—	—	—	—	—				
6	T24981	60	95	385	<10	7				
7	T24982	50	130	390	<10	6				
8	T24983	90	50	310	<10	9				
9	T24984	15	140	35	<10	7				
10	T24985	30	210	125	<10	7				
11	T24986	130	30	265	<10	3				
12	T24987	45	35	285	<10	3				
13	T24988	45	140	305	<10	6				
14	T24989	90	170	700	<10	<3				
15	T24990	20	75	420	<10	9				
16	T24991	60	40	820	<10	7				
17	T24992	35	90	215	<10	9				
18	T24993	35	45	100	<10	8				
19	T24994	85	300	385	<10	8				
20	T24995	70	30	390	<10	9				
21	T24996	105	85	145	<10	7				
22	T24997	130	120	340	<10	7				
23	T24998	50	200	205	<10	9				
	T24999	115	<5	365	<10	11				
25	T25000	—	—	—	—	—				

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06867	21/03/90	01590	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	301	401				
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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138

424155 5521 / 323

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A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 90.1.08.06837

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0157A	T5521

DATE RECEIVED	RESULTS REQUIRED
08/02/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
12	20/02/90	1	278

STATE OF SAMPLES	PRE-TREATMENT								ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	T24,301/578	SO	Prep: 002						Cu,Pb,Zn,Ni/101		
	T24,301/578	SO							Sn/401		
	T24,301/578	SO	Prep: 002						Pb,Zn/104,Ag/101		

RESULTS TO

Mark Flemming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

Ray Roberts
R.G.C. Exploration Pty Limited
P.O. Box 41
Queenstown
Tasmania 7467

REMARKS

E.L. 42/87 - ZEEHAN

PATINE LAKE GELD

- auger soil samples.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
ro	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
so	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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424156

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	01578	1 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24301	20	335	-	475	-	20	<3		
2	T24302	20	140	-	600	-	15	<3		
3	T24303	20	45	-	1450	-	110	3		
4	T24304	20	<5	-	30	-	10	7		
5	T24305	15	<5	-	25	-	20	<3		
6	T24306	5	5	-	15	-	<10	7		
7	T24307	15	45	-	90	-	15	4		
8	T24308	15	70	-	30	-	15	3		
9	T24309	5	<5	-	10	-	15	<3		
10	T24310	5	15	-	10	-	<10	<3		
11	T24311	10	<5	-	10	-	15	4		
12	T24312	40	50	-	80	-	20	4		
13	T24313	10	30	-	15	-	15	<3		
14	T24314	5	15	-	15	-	10	4		
15	T24315	10	60	-	15	-	20	3		
16	T24316	110	50	-	30	-	10	3		
17	T24317	20	5	-	10	-	15	3		
18	T24318	130	50	-	20	-	15	4		
19	T24319	15	40	-	10	-	20	<3		
20	T24320	-	-	-	-	-	-	-		
21	T24321	10	55	-	10	-	10	<3		
22	T24322	25	140	-	45	-	15	<3		
23	T24323	20	1850	-	30	-	10	3		
24	T24324	15	15	-	20	-	10	27		
25	T24325	10	30	-	15	-	10	4		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
K = element concentration is below detection limit
- - = element not determined

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1

140

424157

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.09.06837	20/02/90	0157A	2 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24326	10	15	–	15	–	10	4		
2	T24327	5	20	–	10	–	10	6		
3	T24328	5	30	–	10	–	10	3		
4	T24329	5	20	–	10	–	10	<3		
5	T24330	10	25	–	20	–	15	4		
6	T24331	15	50	–	55	–	10	6		
7	T24332	10	10	–	25	–	15	<3		
8	T24333	10	45	–	45	–	10	8		
9	T24334	10	15	–	40	–	20	15		
10	T24335	70	1375	–	320	–	290	5		
11	T24336	110	9300	–	125	–	25	144		
12	T24337	190	6750	–	320	–	20	49		
13	T24338	15	90	–	50	–	15	4		
14	T24339	10	25	–	15	–	10	6		
15	T24340	–	–	–	–	–	–	–		
16	T24341	15	25	–	20	–	10	6		
17	T24342	5	20	–	10	–	15	<3		
18	T24343	10	105	–	25	–	10	3		
19	T24344	<5	20	–	10	–	10	<3		
20	T24345	5	10	–	10	–	<10	3		
21	T24346	75	40	–	195	–	280	7		
22	T24347	75	2300	–	160	–	195	9		
23	T24348	30	700	–	70	–	90	4		
24	T24349	10	60	–	20	–	<10	16		
25	T24350	10	5	–	5	–	10	<3		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX .	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	01578	3 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24351	5	<5	-	5	-	<10	3		
2	T24352	15	<5	-	5	-	10	4		
3	T24353	5	<5	-	5	-	<10	5		
4	T24354	10	<5	-	5	-	10	<3		
5	T24355	5	25	-	10	-	<10	<3		
6	T24356	25	90	-	40	-	<10	3		
7	T24357	10	720	-	260	-	10	<3		
8	T24358	10	20	-	10	-	10	<3		
9	T24359	10	<5	-	40	-	10	<3		
10	T24360	-	-	-	-	-	-	-		
11	T24361	15	<5	-	20	-	10	4		
12	T24362	13	5	-	95	-	<10	<3		
13	T24363	45	1100	-	3550	-	25	10		
14	T24364	10	25	-	20	-	<10	<3		
15	T24365	5	50	-	65	-	<10	<3		
16	T24366	45	45	-	40	-	10	7		
17	T24367	35	5	-	10	-	<10	<3		
18	T24368	50	60	-	5	-	20	<3		
19	T24369	25	15	-	5	-	10	6		
20	T24370	10	<5	-	<5	-	<10	<3		
21	T24371	50	20	-	15	-	10	<3		
22	T24372	15	100	-	10	-	<10	10		
23	T24373	10	<5	-	5	-	<10	<3		
24	T24374	<5	20	-	10	-	10	4		
25	T24375	55	15	-	20	-	<10	4		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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1

142

ANALABS

424159

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06837	20/02/90	01578	4 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24376	5	15	–	10	–	10	3		
2	T24377	35	355	–	20	–	15	7		
3	T24378	15	45	–	10	–	<10	<3		
4	T24379	75	65	–	10	–	15	6		
5	T24380	–	–	–	–	–	–	–		
6	T24381	160	4700	–	4450	–	30	183		
7	T24382	30	225	–	430	–	15	7		
8	T24383	85	845	–	2025	–	25	8		
9	T24384	30	85	–	15	–	<10	3		
10	T24385	45	20	–	15	–	<10	4		
11	T24386	15	5	–	10	–	<10	<3		
12	T24387	<5	10	–	5	–	<10	<3		
13	T24388	10	30	–	5	–	<10	8		
14	T24389	90	5150	–	1475	–	10	44		
15	T24390	45	620	–	810	–	15	16		
16	T24391	50	1000	–	1575	–	20	106		
17	T24392	15	15	–	10	–	<10	<3		
18	T24393	20	110	–	40	–	10	19		
19	T24394	10	135	–	155	–	15	3		
20	T24395	15	30	–	20	–	<10	4		
21	T24396	10	15	–	20	–	20	<3		
22	T24397	10	350	–	20	–	<10	3		
23	T24398	10	15	–	15	–	15	<3		
24	T24399	10	50	–	15	–	<10	<3		
25	T24400	–	–	–	–	–	–	–		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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424160

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	90.1.08.06837	20/02/90	0157A	5 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24401	20	20	–	15	–	15	3		
2	T24402	10	20	–	20	–	<10	5		
3	T24403	15	<5	–	10	–	25	4		
4	T24404	15	10	–	20	–	<10	<3		
5	T24405	10	60	–	15	–	15	5		
6	T24406	10	20	–	15	–	<10	<3		
7	T24407	10	20	–	10	–	<10	<3		
8	T24408	235	–	7750	–	2025	25	67		
9	T24409	25	285	–	85	–	25	<3		
10	T24410	15	45	–	20	–	<10	<3		
11	T24411	10	25	–	20	–	15	SNR		
12	T24412	15	40	–	30	–	<10	7		
13	T24413	15	20	–	30	–	15	3		
14	T24414	15	20	–	10	–	<10	6		
15	T24415	5	25	–	15	–	<10	4		
16	T24416	10	30	–	15	–	<10	4		
17	T24417	85	35	–	20	–	15	<3		
18	T24418	10	45	–	15	–	10	<3		
19	T24419	95	120	–	55	–	30	<3		
20	T24420	–	–	–	–	–	–	–		
21	T24421	10	15	–	15	–	<10	<3		
22	T24422	15	10	–	20	–	15	<3		
23	T24423	15	10	–	15		<10	<3		
24	T24424	20	30	–	10	–	10	3		
25	T24425	25	130	–	15	–	<10	47		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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424161

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	01579	6 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24426	75	95	–	25	–	15	<3		
2	T24427	15	25	–	20	–	<10	4		
3	T24428	10	25	–	29	–	15	4		
4	T24429	20	15	–	20	–	<10	3		
5	T24430	15	50	–	30	–	10	3		
6	T24431	65	–	9950	–	2175	20	23		
7	T24432	15	475	–	30	–	10	5		
8	T24433	10	25	–	20	–	10	<3		
9	T24434	15	60	–	20	–	<10	5		
10	T24435	10	20	–	15	–	10	9		
11	T24436	15	30	–	20	–	10	4		
12	T24437	10	25	–	20	–	10	<3		
13	T24438	15	20	–	25	–	<10	<3		
14	T24439	30	15	–	35	–	25	<3		
15	T24440	–	–	–	–	–	–	–		
16	T24441	15	15	–	30	–	<10	<3		
17	T24442	50	580	–	350	–	150	40		
18	T24443	15	65	–	25	–	10	<3		
19	T24444	10	10	–	30	–	15	<3		
20	T24445	10	10	–	20	–	<10	4		
21	T24446	10	45	–	25	–	20	3		
22	T24447	15	25	–	20	–	25	5		
23	T24448	10	20	–	20	–	10	5		
24	T24449	20	50	–	40	–	25	3		
25	T24450	15	10	–	25	–	10	5		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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424162

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06837	20/02/90	0157A	7 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24451	15	5	–	55	–	25	5		
2	T24452	10	20	–	25	–	10	3		
3	T24453	15	10	–	25	–	10	<3		
4	T24454	10	10	–	20	–	<10	5		
5	T24455	10	20	–	25	–	15	7		
6	T24456	5	35	–	25	–	10	4		
7	T24457	10	15	–	15	–	15	<3		
8	T24458	15	10	–	15	–	<10	4		
9	T24459	10	10	–	20	–	15	<3		
10	T24460	–	–	–	–	–	–	–		
11	T24461	10	10	–	20	–	10	3		
12	T24462	15	20	–	20	–	15	<3		
13	T24463	15	30	–	25	–	10	4		
14	T24464	15	20	–	20	–	15	3		
15	T24465	10	10	–	15	–	10	<3		
16	T24466	10	30	–	25	–	15	4		
17	T24467	10	15	–	20	–	15	<3		
18	T24468	15	10	–	65	–	<10	<3		
19	T24469	10	35	–	70	–	15	3		
20	T24470	10	15	–	40	–	10	<3		
21	T24471	5	15	–	20	–	15	<3		
22	T24472	10	15	–	70	–	<10	<3		
23	T24473	130	580	–	40	–	15	5		
24	T24474	15	90	–	25	–	10	<3		
25	T24475	15	145	–	55	–	20	5		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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146

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424163

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	93.1.08.06837	20/02/90	01578	8 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24476	20	60	–	25	–	15	5		
2	T24477	75	180	–	1025	–	40	4		
3	T24478	40	355	–	30	–	10	<3		
4	T24479	15	115	–	30	–	20	3		
5	T24480	–	–	–	–	–	–	–		
6	T24481	20	445	–	115	–	10	<3		
7	T24482	15	90	–	20	–	15	5		
8	T24483	15	60	–	30	–	10	8		
9	T24484	10	65	–	30	–	15	<3		
10	T24485	20	150	–	30	–	10	<3		
11	T24486	15	40	–	25	–	<10	3		
12	T24487	25	150	–	64	–	10	<3		
13	T24488	15	40	–	20	–	<10	3		
14	T24489	10	10	–	20	–	<10	<3		
15	T24490	10	<5	–	20	–	20	3		
16	T24491	10	105	–	20	–	<10	<3		
17	T24492	10	5	–	30	–	20	6		
18	T24493	10	10	–	20	–	<10	<3		
19	T24494	25	<5	–	20	–	20	<3		
20	T24495	25	90	–	45	–	35	6		
21	T24496	15	5	–	20	–	20	<3		
22	T24497	15	5	–	20	–	<10	<3		
23	T24498	15	<5	–	20	–	20	<3		
24	T24499	15	<5	–	20	–	10	<3		
25	T24500	–	–	–	–	–	–	–		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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424164

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	0157A	9 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24501	10	<5	–	15	–	20	<3		
2	T24502	10	10	–	20	–	10	5		
3	T24503	20	<5	–	15	–	20	<3		
4	T24504	40	20	–	110	–	150	6		
5	T24505	25	30	–	40	–	55	13		
6	T24506	20	25	–	80	–	110	4		
7	T24507	20	15	–	50	–	110	6		
8	T24508	70	10	–	165	–	265	<3		
9	T24509	45	100	–	175	–	670	8		
10	T24510	15	10	–	20	–	20	<3		
11	T24511	10	5	–	20	–	25	3		
12	T24512	80	155	–	240	–	205	3		
13	T24513	20	10	–	235	–	425	3		
14	T24514	25	30	–	110	–	270	<3		
15	T24515	55	270	–	270	–	585	3		
16	T24516	40	50	–	225	–	435	3		
17	T24517	20	15	–	70	–	30	8		
18	T24518	25	80	–	130	–	100	9		
19	T24519	30	25	–	165	–	25	9		
20	T24520	–	–	–	–	–	–	–		
21	T24521	55	10	–	230	–	55	5		
22	T24522	70	45	–	245	–	365	6		
23	T24523	25	10	–	200	–	35	5		
24	T24524	15	5	–	20	–	25	6		
25	T24525	15	5	–	20	–	<10	<3		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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128

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424165

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	0157A	10 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24526	20	<5	–	25	–	20	3		
2	T24527	10	<5	–	20	–	<10	<3		
3	T24528	15	15	–	40	–	10	<3		
4	T24529	20	25	–	70	–	10	<3		
5	T24530	25	50	–	75	–	20	<3		
6	T24531	25	10	–	80	–	10	<3		
7	T24532	20	30	–	50	–	20	<3		
8	T24533	25	20	–	205	–	10	<3		
9	T24534	20	75	–	75	–	25	<3		
10	T24535	20	30	–	25	–	10	<3		
11	T24536	30	320	–	335	–	20	4		
12	T24537	15	15	–	20	–	<10	<3		
13	T24538	15	5	–	15	–	20	<3		
14	T24539	25	5	–	15	–	<10	4		
15	T24540	–	–	–	–	–	–	–		
16	T24541	20	10	–	15	–	20	<3		
17	T24542	15	10	–	15	–	<10	<3		
18	T24543	15	15	–	20	–	20	<3		
19	T24544	20	10	–	20	–	10	3		
20	T24545	15	5	–	15	–	15	<3		
21	T24546	20	10	–	25	–	10	4		
22	T24547	15	10	–	20	–	25	<3		
23	T24548	15	10	–	20	–	<10	<3		
24	T24549	15	5	–	20	–	20	<3		
25	T24550	10	<5	–	15	–	<10	4		

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
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– = element not determined

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424166

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
[redacted]	95.1.08.06837	20/02/90	0157A	11 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24551	15	10	–	15	–	20	<3		
2	T24552	15	5	–	15	–	10	4		
3	T24553	15	5	–	10	–	20	3		
4	T24554	20	10	–	25	–	10	6		
5	T24555	20	5	–	45	–	20	6		
6	T24556	20	5	–	15	–	<10	<3		
7	T24557	30	30	–	25	–	15	<3		
8	T24558	20	5	–	30	–	15	3		
9	T24559	15	75	–	25	–	15	7		
10	T24560	–	–	–	–	–	–	–		
11	T24561	20	5	–	45	–	25	3		
12	T24562	15	<5	–	20	–	20	<3		
13	T24563	45	30	–	160	–	380	<3		
14	T24564	20	15	–	20	–	25	<3		
15	T24565	25	300	–	105	–	20	<3		
16	T24566	30	90	–	250	–	153	8		
17	T24567	45	70	–	70	–	30	5		
18	T24568	20	130	–	30	–	20	5		
19	T24569	60	150	–	550	–	270	7		
20	T24570	50	150	–	200	–	55	29		
21	T24571	15	<5	–	20	–	10	<3		
22	T24572	40	140	–	145	–	190	<3		
23	T24573	20	20	–	40	–	20	3		
24	T24574	20	20	–	30	–	20	<3		
25	T24575	25	735	–	120	–	20	4		

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
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– = element not determined

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1

150

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424167

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06837	20/02/90	0157A	12 OF 12

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Ni	Sn		
1	T24576	60	30	–	185	–	495	<3		
2	T24577	20	25	–	125	–	30	<3		
3	T24578	50	30	–	325	–	284	<3		
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	SNR - Sample not received									
23	DETECTION	5	5	25	5	25	10	3		
24	UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
25	METHOD	101	101	104	101	104	101	401		

Results in ppm unless otherwise specified
T element present: but concentration too low to measure
X element concentration is below detection limit
-- element not determined

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T24791 - 24799, T24921 - 930 T25101 - 181

424168

5521/323.

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A division of MacDonald Hamilton & Co. Pty. Ltd.

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1 of 1

ANALYTICAL REPORT No. 95.1.08.06902

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0160A	T-5521

DATE RECEIVED	RESULTS REQUIRED
02/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	22/03/90	2	100

REFER BELOW	SAMPLE NUMBERS	STATE OF SAMPLES	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	Various	SO	Prep: 002,016							Cu,Pb,Zn,Bi/101		
	Various	SO								Sn/401		
	Various	SO								Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

E.L. 42/87 ZEEHAN

Auger Soil Samples.

1. PACTING LAKE GRID
   T24791 - T24799
   T24921 - T24930
2. COMSTOCK GRID
   T25101 - T25181

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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424169

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1.02

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06902	22/03/90	0160A	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-24791	10	20	60	<10	4				
2	T-24792	50	45	20	<10	7				
3	T-24793	30	60	30	<10	10				
4	T-24794	40	<5	<5	<10	8				
5	T-24795	15	35	530	<10	11				
6	T-24796	5	15	5	<10	9				
7	T-24797	5	5	<5	<10	9				
8	T-24798	<5	5	<5	<10	8				
9	T-24799	35	20	<5	<10	7				
10	T-24921	55	30	80	<10	11				
11	T-24922	40	20	275	<10	11				
12	T-24923	30	10	215	<10	11				
13	T-24924	40	45	115	<10	19				
14	T-24925	40	105	95	<10	10				
15	T-24926	35	60	155	<10	12				
16	T-24927	50	45	45	<10	14				
17	T-24928	10	10	<5	<10	12				
18	T-24929	10	<5	<5	<10	32				
19	T-24930	60	<5	<5	<10	5				
20	T-25101	60	<5	165	<10	10				
21	T-25102	35	205	315	<10	9				
22	T-25103	35	10	<5	<10	8				
23	T-25104	50	<5	<5	<10	7				
24	T-25105	35	<5	<5	<10	6				
25	T-25106	135	<5	<5	<10	10				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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424170

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06902	22/03/90	0160A	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25107	45	<5	<5	<10	10				
2	T-25108	75	5	<5	<10	11				
3	T-25109	95	<5	<5	<10	12				
4	T-25110	130	5	<5	<10	6				
5	T-25111	95	5	<5	<10	9				
6	T-25112	65	<5	<5	<10	8				
7	T-25113	40	<5	<5	<10	6				
8	T-25114	70	10	<5	<10	9				
9	T-25115	75	5	<5	<10	9				
10	T-25116	45	<5	<5	<10	8				
11	T-25117	30	5	<5	<10	14				
12	T-25118	15	10	<5	<10	9				
13	T-25119	40	415	500	<10	12				
14	T-25120	–	–	–	–	–				
15	T-25121	20	45	445	<10	12				
16	T-25122	185	340	120	<10	14				
17	T-25123	45	150	90	<10	9				
18	T-25124	60	195	105	<10	12				
19	T-25125	60	3350	820	<10	16				
20	T-25126	60	175	145	<10	11				
21	T-25127	45	200	50	<10	7				
22	T-25128	15	120	45	<10	11				
23	T-25129	50	80	90	<10	8				
24	T-25130	30	95	70	<10	12				
25	T-25131	40	560	850	<10	7				

Results in ppm unless otherwise specified
T = element present but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

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424171

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06902	22/03/90	0160A	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25132	20	150	20	<10	5				
2	T-25133	5	10	10	<10	6				
3	T-25134	5	15	10	<10	3				
4	T-25135	<5	40	5	<10	5				
5	T-25136	35	150	160	<10	9				
6	T-25137	60	90	315	<10	7				
7	T-25138	40	40	125	<10	9				
8	T-25139	30	170	150	<10	11				
9	T-25140	35	280	210	<10	16				
10	T-25141	45	120	235	<10	8				
11	T-25142	35	40	60	<10	8				
12	T-25143	50	15	110	<10	8				
13	T-25144	10	20	50	<10	4				
14	T-25145	10	30	160	<10	7				
15	T-25146	60	80	120	<10	7				
16	T-25147	60	360	280	<10	11				
17	T-25148	40	10	35	<10	3				
18	T-25149	85	75	225	<10	11				
19	T-25150	45	700	35	<10	12				
20	T-25151	80	65	80	<10	9				
21	T-25152	135	540	100	<10	13				
22	T-25153	50	30	40	<10	4				
23	T-25154	75	50	230	<10	11				
24	T-25155	90	75	1250	<10	3				
25	T-25156	130	80	820	<10	3				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424172

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06902	22/03/90	0160A	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25157	100	40	350	<10	5				
2	T-25158	60	280	385	<10	10				
3	T-25159	40	230	245	<10	8				
4	T-25160	70	190	330	<10	7				
5	T-25161	75	715	660	<10	10				
6	T-25162	40	480	810	<10	11				
7	T-25163	25	210	90	<10	10				
8	T-25164	15	30	35	<10	4				
9	T-25165	45	130	495	<10	3				
10	T-25166	10	30	20	<10	4				
11	T-25167	15	260	45	<10	9				
12	T-25168	180	80	295	<10	4				
13	T-25169	40	75	140	<10	8				
14	T-25170	60	45	210	<10	3				
15	T-25171	65	60	140	<10	12				
16	T-25172	60	70	145	<10	10				
17	T-25173	45	145	235	<10	15				
18	T-25174	60	165	375	<10	11				
19	T-25175	40	115	155	<10	13				
20	T-25176	60	200	370	<10	12				
21	T-25177	85	120	200	<10	7				
22	T-25178	20	50	60	<10	11				
23	T-25179	40	55	180	<10	5				
24	T-25180	--	--	--	--	--				
25	T-25181	45	300	315	<10	39				

Results in ppm unless otherwise specified

T = element present: but concentration too low to measure

< = element concentration is below detection limit

-- = element not determined

AUTHORISED OFFICER

424173

106

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.04902	22/03/90	01604	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
N = element concentration is below detection limit
--- = element not determined

AUTHORISED OFFICER

T 25182 – 281

424174

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
52 Murray Road, Welshpool, W.A. 6106
FAX: 004 31 8890
Phone (09) 458 7999
Telex AA92560

ANALYTICAL REPORT No. 95.1.08.06903

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0160B	T-5521

DATE RECEIVED	RESULTS REQUIRED
02/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	22/03/90	2	100

REFER BELOW	SAMPLE NUMBERS	STATE OF SAMPLES	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	(T-25,182/281	SO	Prep: 002,016							Cu,Pb,Zn,Bi/101		
	(T-25,182/281	SO								Sn/401		
	(T-25,182/281	SO								Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	(T-25,182/281	SO	Prep: 002,016							Zn/104		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Auger Soil Samples

COMSTOCK GRID

T 25182 – T 25281.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

155

424175

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06903	22/03/90	01608	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T-25182	85	500	365	-	<10	9			
2	T-25183	35	145	290	-	<10	19			
3	T-25184	125	20	5400	-	<10	9			
4	T-25185	20	215	405	-	<10	11			
5	T-25186	10	90	800	-	<10	11			
6	T-25187	45	10	-	1.51	<10	13			
7	T-25188	5	15	215	-	<10	<3			
8	T-25189	40	125	375	-	<10	<3			
9	T-25190	20	465	30	-	<10	9			
10	T-25191	5	5	270	-	<10	6			
11	T-25192	10	<5	15	-	<10	8			
12	T-25193	5	5	35	-	<10	8			
13	T-25194	5	10	5	-	<10	4			
14	T-25195	<5	90	20	-	<10	12			
15	T-25196	<5	40	10	-	<10	12			
16	T-25197	<5	<5	15	-	<10	11			
17	T-25198	5	<5	10	-	<10	6			
18	T-25199	5	55	5	-	<10	10			
19	T-25200	-	-	-	-	-	-			
20	T-25201	5	<5	5	-	<10	8			
21	T-25202	5	<5	10	-	<10	5			
22	T-25203	60	<5	70	-	<10	9			
23	T-25204	55	<5	655	-	<10	10			
24	T-25205	70	105	3350	-	<10	<3			
25	T-25206	35	330	165	-	<10	20			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER CJ Jenkins

424176

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06903	22/03/90	01608	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T-25207	35	190	150	–	<10	11			
2	T-25208	40	160	70	–	<10	24			
3	T-25209	40	95	80	–	<10	14			
4	T-25210	35	60	90	–	<10	11			
5	T-25211	35	10	165	–	<10	9			
6	T-25212	35	210	110	–	<10	20			
7	T-25213	45	215	95	–	<10	12			
8	T-25214	45	20	230	–	<10	10			
9	T-25215	30	5	610	–	<10	15			
10	T-25216	15	10	185	–	<10	12			
	T-25217	10	20	160	–	<10	14			
12	T-25219	10	30	40	–	<10	9			
13	T-25219	60	30	65	–	<10	14			
14	T-25220	–	–	–	–	–	–			
15	T-25221	55	160	185	–	<10	14			
16	T-25222	15	40	60	–	<10	15			
17	T-25223	40	100	130	–	<10	12			
18	T-25224	35	95	80	–	<10	10			
19	T-25225	5	25	10	–	<10	8			
20	T-25226	5	<5	5	–	<10	7			
21	T-25227	<5	<5	13	–	<10	9			
22	T-25228	5	<5	<5	–	<10	9			
23	T-25229	110	45	135	–	<10	19			
	T-25230	60	80	325	–	<10	10			
25	T-25231	90	75	210	–	<10	12			

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424177

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06903	22/03/90	0160B	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T-25232	25	95	40	-	<10	22			
2	T-25233	5	880	20	-	<10	39			
3	T-25234	130	50	80	-	<10	13			
4	T-25235	35	55	60	-	<10	12			
5	T-25236	40	200	90	-	<10	24			
6	T-25237	15	1450	35	-	<10	110			
7	T-25238	95	1550	150	-	<10	30			
8	T-25239	95	185	200	-	<10	29			
9	T-25240	-	-	-	-	-	-			
10	T-25241	150	80	350	-	<10	12			
	T-25242	35	30	90	-	<10	16			
12	T-25243	35	175	490	-	<10	9			
13	T-25244	70	45	195	-	<10	11			
14	T-25245	55	55	160	-	<10	19			
15	T-25246	70	90	190	-	<10	17			
16	T-25247	25	75	50	-	<10	21			
17	T-25248	85	55	170	-	<10	10			
18	T-25249	60	200	295	-	<10	13			
19	T-25250	120	85	250	-	<10	14			
20	T-25251	55	50	150	-	<10	14			
21	T-25252	140	10	305	-	<10	10			
22	T-25253	75	5	185	-	<10	12			
23	T-25254	25	15	95	-	<10	11			
	T-25255	55	145	360	-	<10	41			
25	T-25256	110	130	190	-	<10	12			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER

424178

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

Log

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06903	22/03/90	01608	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T-25257	70	15	95	-	<10	11			
2	T-25258	50	30	410	-	<10	9			
3	T-25259	95	50	170	-	<10	16			
4	T-25260	-	-	-	-	-	-			
5	T-25261	55	40	165	-	<10	9			
6	T-25262	80	25	150	-	<10	10			
7	T-25263	70	100	350	-	<10	15			
8	T-25264	90	245	720	-	<10	12			
9	T-25265	95	200	2350	-	<10	10			
10	T-25266	130	105	225	-	<10	10			
	T-25267	70	290	30	-	<10	11			
12	T-25268	10	<5	5	-	<10	8			
13	T-25269	<5	220	<5	-	<10	11			
14	T-25270	45	210	25	-	<10	11			
15	T-25271	5	15	5	-	<10	9			
16	T-25272	10	90	30	-	<10	12			
17	T-25273	5	95	5	-	<10	10			
18	T-25274	5	<5	15	-	<10	5			
19	T-25275	10	<5	20	-	<10	7			
20	T-25276	10	<5	20	-	<10	10			
21	T-25277	5	200	35	-	<10	10			
22	T-25278	5	5	20	-	<10	<3			
23	T-25279	60	2225	80	-	<10	3			
	T-25280	-	-	-	-	-	7			
25	T-25281	5	50	20	-	<10	<3			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

162

424179

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06903	22/03/90	0160B	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	0.01	10	3			
23	UNITS	ppm	ppm	ppm	%	ppm	ppm			
	METHOD	101	101	101	104	101	401			
25										

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424180

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999
52 Murray Road, Welshpool, W.A. 6106
FAX: 004 31 8690
Telex AA92560

ANALYTICAL REPORT No. 95.1.08.06904

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0160C	T-5521

DATE RECEIVED	RESULTS REQUIRED
02/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	22/03/90	2	100

STATE OF SAMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	T-25,282/381	SO	Prep: 002,016						Cu,Pb,Zn,Bi/101		
	T-25,282/381	SO							Sn/401		
	T-25,282/381	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Auger Soil Samples -

COMSTOCK GRID.

T25282 - T25381.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

424181

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

184

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06904	22/03/90	01600	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25282	<5	130	5	<10	7				
2	T-25283	5	135	5	<10	10				
3	T-25284	5	120	5	<10	8				
4	T-25285	<5	5	5	<10	7				
5	T-25286	<5	60	25	<10	16				
6	T-25287	5	220	25	<10	8				
7	T-25288	<5	30	30	<10	14				
8	T-25289	5	25	20	<10	13				
9	T-25290	<5	65	45	<10	19				
10	T-25291	10	85	15	<10	8				
11	T-25292	20	225	<5	<10	17				
12	T-25293	5	20	<5	<10	19				
13	T-25294	<5	115	5	<10	9				
14	T-25295	<5	565	10	<10	10				
15	T-25296	<5	30	5	<10	10				
16	T-25297	<5	760	10	<10	9				
17	T-25298	5	315	10	<10	10				
18	T-25299	<5	740	20	<10	8				
19	T-25300	–	–	–	–	–				
20	T-25301	10	190	20	<10	12				
21	T-25302	<5	30	5	<10	20				
22	T-25303	5	30	30	<10	11				
23	T-25304	25	45	30	<10	11				
24	T-25305	40	1450	90	<10	4				
25	T-25306	5	20	40	<10	9				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424182

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06904	22/03/90	01600	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn
1	T-25307	10	20	50	<10	9
2	T-25308	170	160	120	<10	11
3	T-25309	155	435	270	<10	11
4	T-25310	125	520	195	<10	12
5	T-25311	170	250	260	<10	18
6	T-25312	100	60	70	<10	13
7	T-25313	90	285	310	<10	8
8	T-25314	35	65	60	<10	8
9	T-25315	60	5	70	<10	14
10	T-25316	25	25	120	<10	15
[redacted]	T-25317	20	50	35	<10	16
12	T-25318	100	30	120	<10	14
13	T-25319	135	50	140	<10	12
14	T-25320	–	–	–	–	–
15	T-25321	20	40	20	<10	14
16	T-25322	70	10	240	<10	16
17	T-25323	85	100	220	<10	11
18	T-25324	150	80	645	<10	10
19	T-25325	105	300	600	<10	13
20	T-25326	80	20	240	<10	9
21	T-25327	25	55	60	<10	11
22	T-25328	70	20	705	<10	15
23	T-25329	70	235	90	<10	14
[redacted]	T-25330	60	15	160	<10	14
25	T-25331	5	<5	20	<10	9

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

ANALABS

424183

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

186

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06904	22/03/90	01600	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25332	5	20	5	<10	3				
2	T-25333	<5	25	5	<10	27				
3	T-25334	5	10	5	<10	16				
4	T-25335	5	5	5	<10	10				
5	T-25336	<5	25	5	<10	13				
6	T-25337	50	55	870	10	11				
7	T-25338	90	180	190	<10	13				
8	T-25339	130	55	1250	<10	12				
9	T-25340	-	-	-	-	-				
10	T-25341	170	325	320	<10	12				
11	T-25342	85	30	2700	<10	14				
12	T-25343	75	15	180	<10	9				
13	T-25344	20	25	30	<10	9				
14	T-25345	20	265	600	<10	7				
15	T-25346	180	1325	560	<10	15				
16	T-25347	25	95	265	10	13				
17	T-25348	10	5	15	<10	6				
18	T-25349	130	10	1250	<10	16				
19	T-25350	60	230	1200	<10	13				
20	T-25351	30	<5	580	<10	5				
21	T-25352	75	20	640	<10	14				
22	T-25353	10	<5	160	<10	12				
23	T-25354	50	20	195	<10	13				
24	T-25355	<5	<5	15	<10	6				
25	T-25356	<5	<5	5	<10	9				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER

ANALABS

424184

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06904	22/03/90	01600	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25357	<5	<5	5	<10	9				
2	T-25358	<5	<5	5	<10	7				
3	T-25359	20	10	30	<10	11				
4	T-25360	-	-	-	-	-				
5	T-25361	<5	<5	5	<10	11				
6	T-25362	5	10	10	<10	12				
7	T-25363	5	<5	5	<10	7				
8	T-25364	5	<5	5	<10	7				
9	T-25365	<5	<5	10	<10	10				
10	T-25366	<5	5	15	<10	10				
11	T-25367	5	10	5	<10	11				
12	T-25368	5	<5	5	<10	9				
13	T-25369	5	<5	10	<10	8				
14	T-25370	<5	<5	15	<10	12				
15	T-25371	<5	10	5	<10	8				
16	T-25372	5	<5	5	<10	6				
17	T-25373	10	<5	5	<10	6				
18	T-25374	20	20	35	<10	6				
19	T-25375	10	<5	30	<10	8				
20	T-25376	25	60	35	<10	11				
21	T-25377	50	<5	35	<10	9				
22	T-25378	45	15	30	<10	20				
23	T-25379	10	5	30	<10	12				
24	T-25380	-	-	-	-	-				
25	T-25381	5	<5	25	<10	9				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

1.65

424185

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06904	22/03/90	0160C	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424186

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560

ANALYTICAL REPORT No. 95.1.08.0a903

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0160D	T-5521

DATE RECEIVED	RESULTS REQUIRED
02/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	26/03/90	1	100

STATE OF AMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	(T-25,382/400,402,404/483	SO	Prep: 002,016						Cu,Pb,Zn,Bi/101		
	(T-25,382/400,402,404/483	SO							Sn/401		
	(T-25,382/400,402,404/483	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

E.L. 42/87 ZEEHAN

Auger Soil Samples

COMSTOCK GRID.

T25382 – T25483.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutt	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
roc	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER C Jenkins

1

170

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06905	26/03/90	01600	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25382	35	95	90	<10	7				
2	T-25383	20	125	80	<10	11				
3	T-25384	55	110	160	<10	7				
4	T-25385	10	40	80	<10	4				
5	T-25386	45	80	245	<10	9				
6	T-25387	5	10	90	<10	<3				
7	T-25388	15	10	285	<10	7				
8	T-25389	40	<5	465	<10	10				
9	T-25390	120	<5	605	<10	9				
10	T-25391	10	<5	395	<10	4				
11	T-25392	25	<5	600	<10	7				
12	T-25393	50	325	205	<10	4				
13	T-25394	70	300	135	<10	5				
14	T-25395	10	5	20	<10	3				
15	T-25396	155	20	80	<10	5				
16	T-25397	20	90	3000	<10	5				
17	T-25398	55	35	395	<10	10				
18	T-25399	20	140	300	<10	9				
19	T-25400	–	–	–	–	–				
20	T-25402	115	2700	5800	<10	51				
21	T-25404	50	250	1800	<10	3				
22	T-25405	70	20	160	<10	8				
23	T-25406	25	15	85	<10	7				
24	T-25407	195	35	120	<10	4				
25	T-25408	160	<5	305	<10	22				

Results in ppm unless otherwise specified

T – element present; but concentration too low to measure

< – element concentration is below detection limit

– – element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06905	26/03/90	0160	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25409	175	15	60	<10	6				
2	T-25410	170	20	175	<10	9				
3	T-25411	70	5	100	<10	<3				
4	T-25412	100	<5	170	<10	3				
5	T-25413	25	50	30	<10	17				
6	T-25414	100	25	140	<10	7				
7	T-25415	175	15	340	<10	4				
8	T-25416	100	25	145	<10	9				
9	T-25417	140	60	3000	<10	7				
10	T-25418	140	65	145	<10	<3				
11	T-25419	145	70	170	<10	4				
12	T-25420	--	--	--	--	--				
13	T-25421	20	<5	65	<10	5				
14	T-25422	200	240	720	<10	<3				
15	T-25423	110	145	490	<10	6				
16	T-25424	70	70	75	<10	8				
17	T-25425	120	85	40	<10	4				
18	T-25426	25	155	35	<10	<3				
19	T-25427	80	90	60	<10	6				
20	T-25428	40	155	30	<10	8				
21	T-25429	160	695	240	30	5				
22	T-25430	<5	755	40	<10	19				
23	T-25431	330	2500	315	<10	72				
24	T-25432	215	110	40	10	6				
25	T-25433	120	150	95	<10	6				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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172

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424189

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06905	26/03/90	0160D	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25434	<5	50	20	<10	7				
2	T-25435	85	90	20	<10	<3				
3	T-25436	5	35	15	<10	6				
4	T-25437	<5	95	10	<10	6				
5	T-25438	250	1900	940	<10	19				
6	T-25439	<5	395	30	<10	3				
7	T-25440	-	-	-	-	-				
8	T-25441	<5	665	20	<10	<3				
9	T-25442	5	3550	1150	10	<3				
10	T-25443	<5	35	250	<10	3				
11	T-25444	10	310	210	<10	5				
12	T-25445	30	35	30	<10	10				
13	T-25446	<5	325	80	<10	14				
14	T-25447	<5	570	15	<10	11				
15	T-25448	<5	45	10	<10	12				
16	T-25449	<5	5	10	<10	9				
17	T-25450	<5	60	15	10	19				
18	T-25451	<5	5	10	<10	8				
19	T-25452	<5	10	10	<10	4				
20	T-25453	<5	110	10	<10	7				
21	T-25454	<5	520	15	<10	27				
22	T-25455	<5	1750	10	<10	48				
23	T-25456	<5	5	5	<10	10				
24	T-25457	<5	<5	5	<10	<3				
25	T-25458	<5	<5	5	<10	4				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06905	26/03/90	0160D	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T-25459	<5	35	10	10	5				
2	T-25460	-	-	-	-	-				
3	T-25461	5	20	135	<10	9				
4	T-25462	<5	<5	10	<10	7				
5	T-25463	<5	<5	5	10	16				
6	T-25464	<5	<5	10	10	7				
7	T-25465	<5	<5	5	<10	3				
8	T-25466	5	10	15	10	5				
9	T-25467	<5	<5	5	<10	7				
10	T-25468	<5	<5	5	10	6				
11	T-25469	5	35	15	<10	9				
12	T-25470	<5	130	75	<10	8				
13	T-25471	<5	<5	5	<10	7				
14	T-25472	<5	5	5	<10	5				
15	T-25473	<5	10	10	10	8				
16	T-25474	<5	40	20	10	<3				
17	T-25475	10	5	75	<10	3				
18	T-25476	20	5	75	20	8				
19	T-25477	15	20	110	10	10				
20	T-25478	<5	15	20	10	<3				
21	T-25479	<5	<5	10	<10	5				
22	T-25480	-	-	-	-	-				
23	T-25481	<5	<5	10	<10	5				
24	T-25482	<5	<5	10	<10	10				
25	T-25483	<5	<5	10	<10	5				

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06905	26/03/90	0160D	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER

424192

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999
52 Murray Road, Welshpool, W.A. 6106
FAX: 004 31 8890
Telex AA92560

ANALYTICAL REPORT No. 95.1.08.06906

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0160E	T-5521

DATE RECEIVED	RESULTS REQUIRED
02/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
4	26/03/90	1	94

REFER BELOW	SAMPLE NUMBERS	STATE OF SAMPLES	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	(T-25,484/541,565/600	SO	Prep: 002,016							Cu,Pb,Zn,Bi/101		
	(T-25,484/541,565/600	SO								Sn/401		
	(T-25,484/541,565/600	SO								Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	(T-25,484/541,565/600	SO	Prep: 002,016							Pb/104		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

E.L. 42/87 ZEEHAN

Auger Soil Samples

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

145

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06906	26/03/90	01605	1 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Bi	Sn			
1	T-25484	<5	10	–	10	<10	7			
2	T-25485	<5	5	–	5	<10	3			
3	T-25486	30	40	–	80	<10	9			
4	T-25487	270	40	–	460	<10	<3			
5	T-25488	80	220	–	700	<10	<3			
6	T-25489	15	90	–	205	<10	9			
7	T-25490	70	40	–	115	<10	6			
8	T-25491	10	30	–	140	<10	6			
9	T-25492	15	25	–	430	<10	3			
10	T-25493	40	10	–	190	<10	10			
11	T-25494	15	45	–	60	<10	4			
12	T-25495	215	1300	–	115	<10	19			
13	T-25496	150	80	–	1250	<10	4			
14	T-25497	15	30	–	135	<10	7			
15	T-25498	130	10	–	195	<10	7			
16	T-25499	140	30	–	150	<10	<3			
17	T-25500	–	–	–	–	–	–			
18	T-25501	45	30	–	180	<10	19			
19	T-25502	80	40	–	385	<10	<3			
20	T-25503	75	100	–	670	<10	7			
21	T-25504	125	40	–	780	<10	7			
22	T-25505	140	5	–	3400	<10	<3			
23	T-25506	40	125	–	140	<10	5			
24	T-25507	140	390	–	240	<10	6			
25	T-25508	45	15	–	145	<10	3			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER C Jenkins

424194

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06906	26/03/90	0160E	2 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Bi	Sn			
1	T-25509	140	75	-	1400	<10	7			
2	T-25510	60	45	-	110	<10	8			
3	T-25511	20	40	-	90	<10	<3			
4	T-25512	15	125	-	50	<10	4			
5	T-25513	80	70	-	105	<10	5			
6	T-25514	<5	55	-	270	<10	4			
7	T-25515	10	75	-	35	<10	4			
8	T-25516	55	200	-	55	<10	6			
9	T-25517	30	60	-	50	<10	10			
10	T-25518	5	15	-	70	<10	<3			
11	T-25519	<5	5	-	15	<10	<3			
12	T-25520	-	-	-	-	-	-			
13	T-25521	<5	5	-	5	<10	7			
14	T-25522	10	185	-	20	<10	14			
15	T-25523	115	110	-	45	<10	9			
16	T-25524	<5	25	-	5	<10	8			
17	T-25525	40	7600	-	70	<10	30			
18	T-25526	<5	25	-	15	<10	6			
19	T-25527	10	55	-	5	<10	11			
20	T-25528	<5	10	-	5	<10	5			
21	T-25529	35	25	-	5	<10	6			
22	T-25530	<5	25	-	10	<10	5			
23	T-25531	<5	20	-	10	<10	9			
24	T-25532	<5	20	-	15	<10	8			
25	T-25533	<5	75	-	20	<10	<3			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424195

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06906	26/03/90	0160E	3 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Bi	Sn			
1	T-25534	<5	<5	-	10	<10	<3			
2	T-25535	<5	<5	-	10	<10	<3			
3	T-25536	<5	10	-	15	<10	37			
4	T-25537	15	125	-	150	<10	7			
5	T-25538	<5	60	-	70	<10	<3			
6	T-25539	5	<5	-	20	<10	5			
7	T-25540	-	-	-	-	-	-			
8	T-25541	15	145	-	435	60	<3			
9	T-25565	<5	20	-	20	<10	15			
10	T-25566	<5	<5	-	15	<10	<3			
11	T-25567	<5	<5	-	10	<10	5			
12	T-25568	<5	5	-	20	<10	3			
13	T-25569	<5	<5	-	15	<10	<3			
14	T-25570	<5	5	-	15	<10	4			
15	T-25571	<5	<5	-	20	<10	3			
16	T-25572	<5	15	-	10	<10	<3			
17	T-25573	<5	5	-	15	<10	<3			
18	T-25574	<5	<5	-	15	<10	3			
19	T-25575	<5	<5	-	15	<10	<3			
20	T-25576	<5	<5	-	20	<10	4			
21	T-25577	<5	40	-	25	<10	8			
22	T-25578	5	10	-	100	30	85			
23	T-25579	<5	<5	-	60	<10	11			
24	T-25580	-	-	-	-	-	-			
25	T-25581	40	3450	-	110	<10	3			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
- = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424196

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06706	26/03/90	0160E	4 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Bi	Sn			
1	T-25582	<5	195	–	175	70	<3			
2	T-25583	<5	30	–	25	<10	3			
3	T-25584	15	30	–	90	<10	5			
4	T-25585	130	–	1.30	250	30	330			
5	T-25586	290	300	–	190	30	<3			
6	T-25587	150	40	–	200	<10	5			
7	T-25588	15	20	–	75	<10	8			
8	T-25589	10	35	–	30	<10	<3			
9	T-25590	20	15	–	90	<10	6			
10	T-25591	20	180	–	100	<10	16			
11	T-25592	25	20	–	140	<10	7			
12	T-25593	25	120	–	250	<10	<3			
13	T-25594	60	65	–	90	<10	19			
14	T-25595	70	160	–	450	<10	13			
15	T-25596	105	30	–	260	<10	<3			
16	T-25597	175	70	–	1225	90	6			
17	T-25598	40	25	–	45	30	7			
18	T-25599	<5	30	–	20	<10	4			
19	T-25600	–	–	–	–	–	–			
20										
21										
22										
23	DETECTION	5	5	0.01	5	10	3			
24	UNITS	ppm	ppm	%	ppm	ppm	ppm			
25	METHOD	101	101	104	101	101	401			

Results in ppm unless otherwise specified

' = element present: but concentration too low to measure

X = element concentration is below detection limit

– = element not determined

AUTHORISED OFFICER

424197

5521/323.

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.

Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 6890

ANALYTICAL REPORT No. 95.1.08.06941

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0161A	T-5521

DATE RECEIVED	RESULTS REQUIRED
16/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	29/03/90	1	100

STATE OF SAMPLES (REFER BELOW)	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	<T25,601/700	SO	Prep: 002,016						Cu,Pb,In,Bi/101		
	<T25,601/700	SO							Sn/401		
	<T25,601/700	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Auger Soil Samples.

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cut	CU	nitric acid	A3	other mixed acids	Mo	spectrophotometry	SPEC
roc	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	93.1.08.06941	29/03/90	0161A	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T25601	30	270	235	<10	7				
2	T25602	15	5	35	<10	4				
3	T25603	15	5	20	<10	5				
4	T25604	10	<5	15	<10	4				
5	T25605	15	45	25	<10	6				
6	T25606	10	90	15	<10	4				
7	T25607	13	40	15	<10	7				
8	T25608	20	65	20	<10	19				
9	T25609	15	20	15	<10	4				
10	T25610	185	505	585	<10	16				
11	T25611	45	35	120	<10	7				
12	T25612	35	215	70	<10	6				
13	T25613	40	65	160	<10	5				
14	T25614	85	55	255	<10	19				
15	T25615	50	60	335	<10	11				
16	T25616	30	65	100	<10	9				
17	T25617	90	110	105	<10	14				
18	T25618	65	60	130	<10	8				
19	T25619	55	225	385	<10	11				
20	T25620	—	—	—	—	—				
21	T25621	60	45	105	<10	7				
22	T25622	30	35	25	<10	8				
23	T25623	25	25	30	<10	5				
24	T25624	15	50	20	<10	3				
25	T25625	20	410	20	<10	7				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424199

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06941	29/03/90	0161A	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T25626	25	30	25	<10	4				
2	T25627	15	15	15	<10	<3				
3	T25628	60	85	140	<10	7				
4	T25629	60	40	100	<10	11				
5	T25630	55	25	105	<10	9				
6	T25631	60	535	365	<10	14				
7	T25632	65	235	245	<10	9				
8	T25633	45	160	290	<10	14				
9	T25634	45	65	290	<10	9				
10	T25635	155	145	315	<10	5				
	T25636	40	35	25	<10	6				
12	T25637	25	45	15	<10	33				
13	T25638	20	45	20	<10	3				
14	T25639	105	75	1350	<10	3				
15	T25640	–	–	–	–	–				
16	T25641	140	50	660	<10	7				
17	T25642	30	85	135	<10	12				
18	T25643	30	225	45	<10	57				
19	T25644	60	200	240	<10	44				
20	T25645	60	80	145	<10	6				
21	T25646	70	100	190	<10	9				
22	T25647	115	225	465	<10	8				
23	T25648	85	190	215	<10	9				
24	T25649	80	310	180	<10	10				
25	T25650	95	190	280	<10	8				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

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ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06741	27/03/90	0161A	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T25651	105	45	155	<10	8				
2	T25652	105	10	90	<10	7				
3	T25653	120	35	110	<10	5				
4	T25654	180	770	315	<10	<3				
5	T25655	175	15	140	<10	8				
6	T25656	90	30	165	<10	9				
7	T25657	175	170	295	<10	6				
8	T25658	90	10	180	<10	11				
9	T25659	110	55	420	<10	6				
10	T25660	–	–	–	–	–				
11	T25661	90	45	295	<10	14				
12	T25662	90	55	380	<10	14				
13	T25663	60	35	255	<10	5				
14	T25664	70	65	595	<10	<3				
15	T25665	95	190	235	<10	8				
16	T25666	90	105	225	<10	10				
17	T25667	130	50	110	<10	7				
18	T25668	120	25	85	<10	<3				
19	T25669	95	35	70	<10	10				
20	T25670	160	55	333	<10	3				
21	T25671	60	105	80	<10	15				
22	T25672	120	80	235	<10	12				
23	T25673	125	20	700	<10	9				
24	T25674	50	125	125	<10	4				
25	T25675	40	95	105	<10	12				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER Jenkins

424201

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06941	29/03/90	0161A	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1	T25676	45	110	280	<10	6				
2	T25677	85	120	145	<10	9				
3	T25678	150	40	2300	<10	4				
4	T25679	20	5	20	<10	5				
5	T25680	–	–	–	–	–				
6	T25681	20	<5	20	<10	<3				
7	T25682	15	<5	10	<10	6				
8	T25683	15	5	5	<10	<3				
9	T25684	30	30	35	<10	4				
10	T25685	20	<5	10	<10	<3				
11	T25686	15	25	15	<10	3				
12	T25687	15	<5	5	<10	3				
13	T25688	15	<5	5	<10	<3				
14	T25689	15	55	10	<10	6				
15	T25690	15	10	5	<10	5				
16	T25691	15	120	10	<10	5				
17	T25692	15	25	10	<10	3				
18	T25693	25	<5	10	<10	<3				
19	T25694	20	5	10	<10	<3				
20	T25695	15	5	5	<10	3				
21	T25696	15	<5	10	<10	5				
22	T25697	15	<5	5	<10	<3				
23	T25698	15	<5	5	<10	4				
24	T25699	15	<5	5	<10	3				
25	T25700	–	–	–	–	–				

Results in ppm unless otherwise specified
– element present but concentration too low to measure
< element concentration is below detection limit
element not determined

AUTHORISED OFFICER

424202

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.06941	27/03/95	0161A	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Bi	Sn				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	5	10	3				
23	UNITS	ppm	ppm	ppm	ppm	ppm				
24	METHOD	101	101	101	101	401				
25										

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER CJenkins

424203

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 90.1.08.06942

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0161B	T-5521

DATE RECEIVED	RESULTS REQUIRED
16/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	03/04/90	1	100

STATE OF SAMPLES	PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	T25,701/800	SO	Prep: 002,016						Cu,Pb,Zn,Bi/101		
	T25,701/800	SO							Sn/401		
	T25,701/800	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	T25,701/800	SO	Prep: 002,016						Pb,Zn/104		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Aqua Soil Samples -

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER _____

424204

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06942	03/04/90	0161B	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25701	15	<5	–	5	–	<10	9		
2	T25702	65	640	–	65	–	<10	10		
3	T25703	15	10	–	5	–	<10	8		
4	T25704	15	15	–	10	–	<10	10		
5	T25705	15	<5	–	10	–	<10	6		
6	T25706	205	<5	–	120	–	<10	7		
7	T25707	55	5	–	500	–	<10	8		
8	T25708	35	<5	–	220	–	<10	6		
9	T25709	30	5	–	295	–	<10	6		
10	T25710	40	50	–	115	–	<10	10		
11	T25711	60	<5	–	600	–	<10	10		
12	T25712	60	10	–	425	–	<10	7		
13	T25713	65	15	–	900	–	<10	11		
14	T25714	20	5	–	35	–	<10	6		
15	T25715	10	100	–	20	–	<10	6		
16	T25716	25	95	–	605	–	<10	6		
17	T25717	70	625	–	1450	–	<10	12		
18	T25718	35	<5	–	265	–	<10	7		
19	T25719	15	<5	–	5	–	<10	<3		
20	T25720	–	–	–	–	–	–	–		
21	T25721	10	<5	–	5	–	<10	3		
22	T25722	10	20	–	10	–	<10	9		
23	T25723	215	45	–	230	–	<10	5		
24	T25724	85	15	–	70	–	<10	3		
25	T25725	5	65	–	240	–	<10	<3		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd

424205

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06942	03/04/90	01618	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25726	260	135	-	170	-	<10	11		
2	T25727	50	5	-	145	-	<10	9		
3	T25728	85	155	-	85	-	<10	12		
4	T25729	180	150	-	110	-	<10	8		
5	T25730	60	15	-	1850	-	<10	11		
6	T25731	130	75	-	145	-	<10	10		
7	T25732	115	154	-	105	-	<10	6		
8	T25733	20	65	-	30	-	<10	4		
9	T25734	80	10	-	190	-	<10	8		
10	T25735	20	40	-	55	-	<10	5		
11	T25736	105	30	-	145	-	<10	10		
12	T25737	60	140	-	90	-	<10	6		
13	T25738	25	530	-	30	-	<10	9		
14	T25739	120	20	-	190	-	<10	7		
15	T25740	-	-	-	-	-	-	-		
16	T25741	70	110	-	90	-	<10	7		
17	T25742	80	470	-	155	-	<10	7		
18	T25743	45	345	-	85	-	<10	14		
19	T25744	80	140	-	120	-	<10	7		
20	T25745	100	5	-	95	-	<10	11		
21	T25746	145	75	-	165	-	<10	10		
22	T25747	125	45	-	170	-	<10	8		
23	T25748	75	60	-	70	-	<10	6		
24	T25749	100	85	-	150	-	<10	8		
25	T25750	75	120	-	210	-	<10	8		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424206

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06942	03/04/90	0161B	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25751	120	135	–	190	–	<10	5		
2	T25752	120	100	–	375	–	<10	11		
3	T25753	135	360	–	535	–	<10	3		
4	T25754	125	95	–	205	–	<10	11		
5	T25755	115	3150	–	905	–	<10	46		
6	T25756	115	150	–	210	–	<10	24		
7	T25757	190	140	–	115	–	<10	<3		
8	T25758	95	5	–	795	–	<10	6		
9	T25759	25	33	–	15	–	<10	5		
10	T25760	–	–	–	–	–	–	–		
11	T25761	70	445	–	190	–	<10	5		
12	T25762	30	580	–	975	–	<10	20		
13	T25763	30	1550	–	90	–	<10	7		
14	T25764	70	370	–	45	–	<10	5		
15	T25765	30	1650	–	230	–	<10	11		
16	T25766	60	4000	–	885	–	<10	18		
17	T25767	80	>10000	12.69	1550	3300	<10	236		
18	T25768	25	2500	–	110	–	<10	12		
19	T25769	10	270	–	15	–	<10	9		
20	T25770	15	145	–	30	–	<10	9		
21	T25771	15	35	–	50	–	<10	9		
22	T25772	10	65	–	40	–	<10	12		
23	T25773	10	145	–	35	–	<10	14		
24	T25774	10	365	–	10	–	<10	6		
25	T25775	10	70	–	10	–	<10	5		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424207

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06942	03/04/90	01613	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25776	10	10	–	5	–	<10	<3		
2	T25777	10	135	–	10	–	<10	<3		
3	T25778	5	45	–	5	–	<10	4		
4	T25779	15	25	–	10	–	<10	7		
5	T25780	–	–	–	–	–	–	–		
6	T25781	15	5	–	5	–	<10	9		
7	T25782	15	<5	–	5	–	<10	4		
8	T25783	10	<5	–	5	–	<10	8		
9	T25784	165	15	–	5	–	<10	12		
10	T25785	10	<5	–	5	–	<10	19		
11	T25786	10	<5	–	5	–	<10	15		
12	T25787	5	<5	–	<5	–	<10	48		
13	T25788	10	15	–	10	–	<10	17		
14	T25789	5	45	–	5	–	<10	36		
15	T25790	10	120	–	10	–	<10	30		
16	T25791	10	15	–	5	–	<10	28		
17	T25792	5	<5	–	5	–	<10	12		
18	T25793	20	5	–	5	–	<10	10		
19	T25794	15	25	–	15	–	<10	13		
20	T25795	10	10	–	5	–	<10	6		
21	T25796	15	35	–	5	–	<10	10		
22	T25797	10	35	–	5	–	<10	6		
23	T25798	100	30	–	410	–	<10	8		
24	T25799	25	125	–	65	–	<10	20		
25	T25800	–	–	–	–	–	–	5		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424208

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06942	03/04/90	0161B	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	0.01	5	25	10	3		
23	UNITS	PPM	PPM	%	PPM	PPM	PPM	ppm		
24	METHOD	101	101	104	101	104	101	401		
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424209

T25861 - 908

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560

ANALYTICAL REPORT No. 95.1.08.06943

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
01610	T-5521

DATE RECEIVED	RESULTS REQUIRED
16/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	06/04/90	1	100

STATE OF SAMPLES (REFER BELOW)	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	(T25,801/865,874/908	SO	Prep: 092,016						Cu,Pb,Zn,Bi/101		
	(T25,801/865,874/908	SO							Sn/401		
	(T25,801/865,874/908	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	(T25,801/865,874/908	SO	Prep: 092,016						Cu,Pb,Zn,Bi/140		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EC 42/87 ZEEMAN

Augs Soil Samples -

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424210

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.02.06943	06/04/90	0161C	1 OF 5

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Bi	Ag	Sn
1	T25801	50	–	100	–	70	–	<10	–	21
2	T25802	15	–	20	–	<5	–	<10	–	12
3	T25803	10	–	20	–	<5	–	<10	–	5
4	T25804	<5	–	30	–	<5	–	<10	–	4
5	T25805	5	–	20	–	<5	–	<10	–	6
6	T25806	<5	–	20	–	<5	–	<10	–	7
7	T25807	5	–	535	–	<5	–	<10	–	4
8	T25808	10	–	10	–	<5	–	<10	–	9
9	T25809	5	–	40	–	<5	–	<10	–	11
10	T25810	15	–	10	–	<5	–	<10	–	6
11	T25811	<5	–	50	–	<5	–	<10	–	7
12	T25812	5	–	5	–	<5	–	<10	–	4
13	T25813	15	–	<5	–	<5	–	<10	–	<3
14	T25814	305	–	430	–	170	–	<10	–	8
15	T25815	15	–	15	–	5	–	<10	–	5
16	T25816	10	–	60	–	<5	–	<10	–	13
17	T25817	20	–	95	–	40	–	<10	–	6
18	T25818	10	–	40	–	<5	–	<10	–	7
19	T25819	15	–	70	–	125	–	<10	–	<3
20	T25820	–	–	–	–	–	–	–	–	–
21	T25821	20	–	10	–	248	–	<10	–	3
22	T25822	110	–	75	–	1350	–	<10	–	4
23	T25823	100	–	<5	–	735	–	<10	–	5
24	T25824	90	–	310	–	165	–	<10	–	8
25	T25825	90	–	5	–	425	–	<10	–	5

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06943	06/04/90	01610	2 OF 5

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Bi	Ag	Sn
1	T25826	135	–	690	–	35	–	<10	–	6
2	T25827	95	–	15	–	40	–	<10	–	11
3	T25828	160	–	15	–	675	–	<10	–	<3
4	T25829	180	–	15	–	890	–	<10	–	6
5	T25830	155	–	195	–	9750	–	<10	–	4
6	T25831	210	–	30	–	3000	–	<10	–	8
7	T25832	155	–	100	–	600	–	<10	–	4
8	T25833	90	–	15	–	220	–	<10	–	6
9	T25834	165	–	5	–	455	–	<10	–	6
10	T25835	95	–	60	–	145	–	<10	–	11
11	T25836	100	–	245	–	40	–	<10	–	<3
12	T25837	20	–	30	–	<5	–	<10	–	9
13	T25838	3	–	1300	–	<5	–	<10	–	11
14	T25839	3	–	10	–	<5	–	<10	–	15
15	T25840	–	–	–	–	–	–	–	–	–
16	T25841	–	305	–	0.25	–	600	<10	<2	44
17	T25842	–	135	–	1.72	–	1150	<10	10	34
18	T25843	–	55	–	0.15	–	620	<10	<2	54
19	T25844	–	90	>10000	7.71	>10000	13500	<10	10	12
20	T25845	40	–	3050	–	775	–	<10	–	3
21	T25846	20	–	4250	–	45	–	<10	–	90
22	T25847	10	–	55	–	<5	–	<10	–	4
23	T25848	50	–	140	–	<5	–	<10	–	6
24	T25849	35	–	40	–	<5	–	<10	–	5
25	T25850	45	–	40	–	<5	–	<10	–	15

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06943	06/04/95	01610	3 OF 5

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Bi	Ag	Sn
1	T25851	40	–	10	–	5	–	<10	–	5
2	T25852	410	–	30	–	30	–	<10	–	5
3	T25853	75	–	110	–	<5	–	<10	–	8
4	T25854	20	–	85	–	<5	–	<10	–	5
5	T25855	10	–	60	–	<5	–	<10	–	6
6	T25856	75	–	700	–	<5	–	<10	–	64
7	T25857	35	–	40	–	<5	–	<10	–	7
8	T25858	15	–	85	–	<5	–	<10	–	9
9	T25859	10	–	30	–	<5	–	<10	–	4
10	T25860	–	–	–	–	–	–	–	–	–
11	T25861	5	–	200	–	<5	–	<10	–	14
12	T25862	10	–	385	–	<5	–	<10	–	4
13	T25863	10	–	45	–	<5	–	<10	–	11
14	T25864	10	–	40	–	<5	–	<10	–	7
15	T25865	5	–	130	–	<5	–	<10	–	<3
16	T25874	<5	–	20	–	<5	–	<10	–	6
17	T25875	5	–	5	–	<5	–	<10	–	4
18	T25876	10	–	5	–	<5	–	<10	–	5
19	T25877	10	–	120	–	<5	–	<10	–	5
20	T25878	5	–	10	–	<5	–	<10	–	6
21	T25879	5	–	5	–	<5	–	<10	–	4
22	T25880	–	–	–	–	–	–	–	–	–
23	T25881	10	–	<5	–	<5	–	<10	–	4
24	T25882	10	–	115	–	<5	–	<10	–	9
25	T25883	10	–	30	–	<5	–	<10	–	6

Results in ppm unless otherwise specified
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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.09.06943	06/04/90	0161C	4 OF 5

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Bi	Ag	Sn
1	T25884	5	–	525	–	<5	–	<10	–	9
2	T25885	10	–	20	–	<5	–	<10	–	6
3	T25886	5	–	<5	–	<5	–	<10	–	6
4	T25887	10	–	10	–	<5	–	<10	–	3
5	T25888	10	–	<5	–	<5	–	<10	–	7
6	T25889	5	–	20	–	<5	–	<10	–	9
7	T25890	5	–	30	–	<5	–	<10	–	10
8	T25891	15	–	35	–	<5	–	<10	–	5
9	T25892	15	–	10	–	<5	–	<10	–	5
10	T25893	10	–	15	–	<5	–	<10	–	5
11	T25894	15	–	20	–	<5	–	<10	–	4
12	T25895	30	–	–	0.51	–	120	<10	<2	10
13	T25896	70	–	5	–	85	–	<10	–	6
14	T25897	335	–	15	–	95	–	<10	–	9
15	T25898	130	–	10	–	85	–	<10	–	7
16	T25899	115	–	30	–	70	–	<10	–	6
17	T25900	–	–	–	–	–	–	–	–	–
18	T25901	40	–	10	–	65	–	<10	–	5
19	T25902	125	–	<5	–	55	–	<10	–	<3
20	T25903	145	–	<5	–	100	–	<10	–	10
21	T25904	165	–	40	–	140	–	<10	–	7
22	T25905	170	–	120	–	365	–	<10	–	44
23	T25906	55	–	295	–	65	–	<10	–	11
24	T25907	90	–	2300	–	20	–	<10	–	23
25	T25908	25	–	125	–	35	–	<10	–	13

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06943	06/04/90	01610	5 OF 5

TUBE No.	SAMPLE No.	Cu	Cu	Pb	Pb	Zn	Zn	Bi	Ag	Sn
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
[redacted]										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	25	5	0.01	5	25	10	2	3
23	UNITS	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
[redacted]	METHOD	101	104	101	104	101	104	101	104	401
25										

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8370

ANALYTICAL REPORT No. 93.1.08.06944

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7019

ORDER No.	PROJECT
0161D	T-5521

DATE RECEIVED	RESULTS REQUIRED
16/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
5	05/04/90	1	100

STATE OF SAMPLES (REFER BELOW)	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	KT259,09/99,KT26,000/008	80	Prep: 002,016						Cu,Pb,Zn,Bi/101		
	KT259,09/99,KT26,000/008	80							Sn/401		
	KT259,09/99,KT26,000/008	50							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	KT259,09/99,KT26,000/008	80	Prep: 002,016						Pb,Zn/104		

RESULTS TO

Mr. DOF Crossing
ROC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Soil Auger Samples

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.09.06944	05/04/90	01610	1 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25909	10	10	–	15	–	<10	<3		
2	T25910	15	<5	–	15	–	<10	4		
3	T25911	<5	25	–	40	–	<10	<3		
4	T25912	15	100	–	150	–	<10	3		
5	T25913	10	–	1.20	–	6900	<10	4		
6	T25914	<5	<5	–	20	–	<10	<3		
7	T25915	5	50	–	130	–	<10	<3		
8	T25916	10	10	–	50	–	<10	8		
9	T25917	5	5	–	45	–	<10	<3		
10	T25918	10	10	–	10	–	<10	5		
11	T25919	45	160	–	20	–	<10	6		
12	T25920	–	–	–	–	–	–	–		
13	T25921	5	<5	–	10	–	<10	6		
14	T25922	10	<5	–	10	–	<10	<3		
15	T25923	10	<5	–	5	–	<10	3		
16	T25924	30	120	–	40	–	<10	5		
17	T25925	35	15	–	15	–	<10	6		
18	T25926	15	125	–	10	–	<10	10		
19	T25927	10	60	–	20	–	<10	<3		
20	T25928	10	45	–	10	–	<10	9		
21	T25929	15	25	–	10	–	<10	7		
22	T25930	10	<5	–	10	–	<10	5		
23	T25931	10	10	–	10	–	<10	9		
24	T25932	10	40	–	10	–	<10	8		
25	T25933	120	10	–	25	–	<10	7		

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.00.06944	05/04/90	0161D	2 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25934	10	5	–	10	–	<10	5		
2	T25935	15	50	–	15	–	<10	10		
3	T25936	10	25	–	10	–	<10	6		
4	T25937	15	55	–	15	–	<10	6		
5	T25938	25	40	–	45	–	<10	6		
6	T25939	115	50	–	305	–	<10	8		
7	T25940	–	–	–	–	–	–	–		
8	T25941	105	1600	–	2700	–	<10	5		
9	T25942	55	15	–	200	–	<10	10		
10	T25943	60	300	–	90	–	<10	11		
11	T25944	40	95	–	55	–	<10	22		
12	T25945	100	45	–	125	–	<10	10		
13	T25946	35	70	–	105	–	<10	12		
14	T25947	55	410	–	125	–	<10	12		
15	T25948	60	35	–	120	–	<10	11		
16	T25949	15	<5	–	15	–	<10	7		
17	T25950	20	5	–	15	–	<10	5		
18	T25951	15	15	–	15	–	<10	12		
19	T25952	30	50	–	45	–	<10	4		
20	T25953	110	70	–	165	–	<10	9		
21	T25954	105	225	–	110	–	<10	10		
22	T25955	140	170	–	200	–	<10	<3		
23	T25956	25	50	–	50	–	<10	8		
24	T25957	15	25	–	35	–	<10	9		
25	T25958	35	25	–	25	–	<10	12		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
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— = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06944	05/04/90	01618	3 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25959	10	30	–	15	–	<10	9		
2	T25960	–	–	–	–	–	–	–		
3	T25961	10	50	–	30	–	<10	7		
4	T25962	10	125	–	15	–	<10	8		
5	T25963	10	50	–	30	–	<10	6		
6	T25964	10	5	–	10	–	<10	6		
7	T25965	15	<5	–	10	–	<10	4		
8	T25966	20	170	–	75	–	10	<5		
9	T25967	10	25	–	10	–	<10	11		
10	T25968	705	–	1.5%	–	2450	10	3		
11	T25969	20	10	–	15	–	<10	7		
12	T25970	15	10	–	10	–	<10	3		
13	T25971	15	5	–	10	–	<10	7		
14	T25972	10	<5	–	15	–	<10	3		
15	T25973	20	<5	–	10	–	<10	4		
16	T25974	165	600	–	90	–	10	10		
17	T25975	20	70	–	75	–	10	5		
18	T25976	25	130	–	65	–	<10	<5		
19	T25977	10	10	–	15	–	<10	9		
20	T25978	10	10	–	5	–	<10	9		
21	T25979	30	40	–	10	–	<10	5		
22	T25980	–	–	–	–	–	–	–		
23	T25981	15	205		50	–	<10	7		
24	T25982	10	25	–	15	–	<10	8		
25	T25983	200	490	–	70	–	<10	11		

Results in ppm unless otherwise specified
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06944	05/04/90	0161D	4 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T25984	20	15	–	10	–	<10	7		
2	T25985	10	95	–	15	–	<10	6		
3	T25986	20	75	–	20	–	<10	6		
4	T25987	20	20	–	15	–	<10	6		
5	T25988	30	40	–	20	–	<10	7		
6	T25989	20	70	–	50	–	<10	5		
7	T25990	55	150	–	345	–	<10	6		
8	T25991	50	230	–	155	–	<10	6		
9	T25992	85	55	–	330	–	<10	7		
10	T25993	20	35	–	175	–	<10	8		
[redacted]	T25994	10	450	–	15	–	<10	7		
12	T25995	15	90	–	25	–	<10	9		
13	T25996	15	15	–	15	–	<10	9		
14	T25997	10	10	–	10	–	<10	6		
15	T25998	10	15	–	15	–	<10	5		
16	T25999	15	200	–	15	–	<10	8		
17	T26000	–	–	–	–	–	–	–		
18	T26001	5	10	–	25	–	<10	4		
19	T26002	60	5625	–	330	–	<10	64		
20	T26003	10	620	–	40	–	<10	9		
21	T26004	<5	200	–	25	–	<10	10		
22	T26005	30	–	4.43	–	1600	<10	191		
23	T26006	15	1300	–	180	–	<10	13		
[redacted]	T26007	20	650	–	370	–	<10	62		
25	T26008	50	1000	–	35	–	<10	15		

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.03.06944	03/04/95	01610	5 OF 5

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	0.01	5	25	10	3		
23	UNITS	ppm	ppm	%	ppm	ppm	ppm	ppm		
24	METHOD	101	101	104	101	104	101	401		
25										

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424221

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A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8870

ANALYTICAL REPORT No. 90.1.08.06945

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0161E	T-5521

DATE RECEIVED	RESULTS REQUIRED
16/03/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
4	05/04/90	1	76

STATE OF SAMPLES	PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	T26,009/028,101/156	SO	Prep: 002,016						Cu,Pb,Zn,Si/101		
	T26,009/028,101/156	SO							Sn/401		
	T26,009/028,101/156	SO							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	T26,009/028,101/156	SO	Prep: 002,016						Pb,Zn/104		

RESULTS TO

Mr. DJF Crossing
RGC Exploration Pty Ltd
P O Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 ZEEHAN

Soil Auger Samples

COMSTOCK GRID.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectraphotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					Inductively coupled plasma	ICP

AUTHORISED OFFICER _____

12422

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.06945	05/04/90	01615	1 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T26009	30	–	1550	–	1.05	<10	10		
2	T26010	55	15	–	50	–	<10	8		
3	T26011	5	30	–	45	–	<10	46		
4	T26012	<5	25	–	40	–	<10	6		
5	T26013	5	30	–	55	–	<10	22		
6	T26014	35	95	–	1400	–	<10	21		
7	T26015	50	425	–	710	–	<10	11		
8	T26016	5	10	–	25	–	<10	9		
9	T26017	40	35	–	25	–	<10	6		
10	T26018	10	5	–	20	–	<10	<3		
11	T26019	10	30	–	10	–	<10	9		
12	T26020	–	–	–	–	–	–	–		
13	T26021	115	70	–	65	–	<10	4		
14	T26022	<5	80	–	10	–	<10	6		
15	T26023	<5	265	–	15	–	<10	<3		
16	T26024	1700	–	7000	–	6.05	30	21		
17	T26025	5	405	–	20	–	<10	7		
18	T26026	<5	400	–	20	–	<10	11		
19	T26027	10	500	–	25	–	<10	9		
20	T26028	<5	540	–	15	–	<10	6		
21	T26101	<5	205	–	15	–	<10	8		
22	T26102	<5	95	–	15	–	10	9		
23	T26103	<5	130	–	20	–	<10	11		
24	T26104	<5	160	–	15	–	<10	9		
25	T26105	<5	70	–	20	–	<10	7		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424223

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.L.03.06945	05/04/95	01615	2 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T26106	20	95	–	45	–	<10	10		
2	T26107	60	110	–	130	–	<10	7		
3	T26108	60	145	–	170	–	<10	17		
4	T26109	95	70	–	190	–	10	9		
5	T26110	30	60	–	25	–	<10	6		
6	T26111	<5	70	–	15	–	<10	6		
7	T26112	<5	30	–	15	–	<10	14		
8	T26113	<5	50	–	20	–	<10	11		
9	T26114	170	50	–	90	–	<10	13		
10	T26115	<5	10	–	10	–	<10	10		
	T26116	25	155	–	20	–	<10	10		
12	T26117	65	120	–	15	–	<10	10		
13	T26118	35	150	–	15	–	<10	6		
14	T26119	35	195	–	20	–	<10	<3		
15	T26120	5	140	–	20	–	<10	11		
16	T26121	5	10	–	10	–	<10	5		
17	T26122	<5	10	–	20	–	<10	6		
18	T26123	<5	210	–	25	–	<10	7		
19	T26124	5	95	–	10	–	<10	10		
20	T26125	5	50	–	10	–	<10	4		
21	T26126	<5	305	–	25	–	<10	<3		
22	T26127	10	1050	–	45	–	<10	7		
23	T26128	65	820	–	65	–	<10	10		
	T26129	65	40	–	15	–	<10	3		
25	T26130	20	10	–	13	–	<10	63		

Results in ppm unless otherwise specified
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AUTHORISED OFFICER

424224

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.05.06945	05/04/90	01615	3 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T26131	10	20	–	35	–	<10	<3		
2	T26132	10	55	–	25	–	<10	13		
3	T26133	140	935	–	100	–	<10	47		
4	T26134	25	60	–	40	–	<10	10		
5	T26135	40	205	–	170	–	<10	8		
6	T26136	5	5	–	15	–	<10	<3		
7	T26137	5	30	–	15	–	<10	9		
8	T26138	15	410	–	40	–	<10	13		
9	T26139	5	30	–	15	–	<10	5		
10	T26140	5	20	–	15	–	<10	6		
11	T26141	5	10	–	15	–	<10	9		
12	T26142	5	15	–	10	–	<10	7		
13	T26143	10	320	–	15	–	<10	8		
14	T26144	5	45	–	15	–	<10	3		
15	T26145	5	20	–	20	–	<10	5		
16	T26146	5	5	–	15	–	<10	10		
17	T26147	115	15	–	190	–	<10	4		
18	T26148	10	25	–	20	–	<10	3		
19	T26149	10	20	–	50	–	<10	5		
20	T26150	10	25	–	40	–	<10	6		
21	T26151	430	15	–	70	–	10	6		
22	T26152	50	15	–	95	–	<10	5		
23	T26153	130	20	–	100	–	<10	5		
24	T26154	165	25	–	105	–	<10	3		
25	T26155	400	20	–	75	–	<10	6		

Results in ppm unless otherwise specified
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X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424225

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.06943	05/04/90	01615	4 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Bi	Sn		
1	T26156	10	25	—	20	—	<10	10		
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	125	5	0.01	10	3		
24	UNITS	ppm	ppm	ppm	ppm	%	ppm	ppm		
25	METHOD	101	101	104	101	104	101	401		

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

424226

RGS TASMANIA
BECQUEREL JOB # 891
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24579	1.80	12.00	480.0	-2.00	110.00	11.00	31.0
24580	2.60	287.00	390.0	-2.00	29.00	-1.00	45.0
24581	2.20	6.80	620.0	10.00	100.00	10.00	69.0
24582	4.20	12.00	510.0	12.00	88.00	8.60	58.0
24583	1.10	5.90	830.0	-2.00	100.00	10.00	63.0
24584	2.60	6.20	540.0	15.00	97.00	13.00	63.0
24585	.62	-2.00	690.0	-2.00	110.00	11.00	70.0
24586	1.20	2.50	610.0	-2.00	110.00	11.00	62.0
24587	.88	-2.00	270.0	3.50	71.00	5.70	52.0
24588	2.50	-2.00	660.0	7.60	110.00	11.00	65.0
24589	.73	-2.00	690.0	3.00	99.00	9.20	66.0
24590	1.60	5.10	510.0	8.70	83.00	9.20	62.0
24591	1.70	-2.00	-100.0	3.50	24.00	2.20	46.0
24592	4.80	2.80	390.0	3.40	65.00	12.00	43.0
24593	.88	-2.00	110.0	3.80	29.00	1.50	59.0
24594	.64	-2.00	420.0	4.50	85.00	7.00	48.0
24595	1.50	-2.00	330.0	13.00	93.00	7.20	84.0
24596	3.40	-2.00	480.0	5.50	83.00	6.20	50.0
[illegible]97	3.30	-2.00	940.0	6.50	120.00	10.00	89.0
24598	.34	-2.00	200.0	-2.00	60.00	1.70	17.0
24599	.88	-2.00	-100.0	8.70	23.00	-1.00	10.0
24600	2.80	297.00	500.0	-2.00	30.00	-1.00	49.0
24601	.80	-2.00	140.0	9.30	49.00	1.60	42.0
24602	.60	-2.00	-100.0	-2.00	42.00	-1.00	5.2
24603	1.90	-2.00	-100.0	3.30	20.00	-1.00	35.0
24604	3.40	-2.00	400.0	29.00	160.00	4.70	340.0
24605	2.50	2.00	230.0	25.00	150.00	5.10	350.0
24606	4.10	5.90	510.0	5.50	170.00	19.00	360.0
24607	1.40	4.80	750.0	3.50	100.00	12.00	70.0
24608	.62	-2.00	520.0	3.30	91.00	10.00	62.0
24609	1.50	-2.00	270.0	2.30	66.00	5.10	63.0
24610	.90	-2.00	140.0	3.70	33.00	2.90	36.0
24611	1.00	-2.00	780.0	6.10	88.00	9.20	110.0
24612	.59	-2.00	850.0	5.90	68.00	5.40	95.0
24613	.48	-2.00	560.0	3.50	68.00	4.00	53.0
24614	.37	7.10	440.0	29.00	74.00	8.40	370.0
24615	.88	4.30	1000.0	3.90	61.00	8.00	370.0
24616	2.20	4.60	1600.0	7.20	110.00	16.00	79.0
24617	1.00	4.50	1100.0	10.00	91.00	13.00	140.0
24618	10.00	23.00	760.0	14.00	90.00	9.10	120.0
24619	3.40	41.00	630.0	15.00	140.00	11.00	220.0
24620	-.20	2.90	480.0	-2.00	70.00	18.00	440.0
24621	.93	-2.00	780.0	14.00	100.00	10.00	59.0
[illegible]22	.91	4.00	810.0	14.00	100.00	30.00	140.0
24623	1.00	3.30	890.0	9.30	100.00	12.00	110.0
24624	2.70	8.60	2400.0	15.00	331.00	35.00	210.0
24625	1.30	12.00	650.0	5.80	98.00	16.00	110.0
24626	1.40	10.00	780.0	4.80	81.00	10.00	100.0
24627	3.60	59.00	600.0	4.30	84.00	21.00	100.0
24628	1.60	5.70	320.0	22.00	65.00	3.40	390.0
24629	2.50	5.30	570.0	15.00	87.00	7.10	130.0
24630	3.60	-2.00	-100.0	2.60	35.00	-1.00	34.0

24631	5.70	36.00	540.0	13.00	130.00	7.90	110.0
24632	35.50	41.00	240.0	6.30	130.00	3.90	100.0
24633	3.90	-2.00	330.0	36.00	110.00	4.80	110.0
24634	.66	-2.00	110.0	18.00	44.00	2.00	32.0
24635	1.00	-2.00	150.0	14.00	65.00	5.80	95.0
24636	4.40	17.00	530.0	2.30	86.00	14.00	91.0
24637	3.30	14.00	350.0	3.20	78.00	13.00	100.0
24638	8.70	21.00	210.0	13.00	82.00	4.40	120.0
24639	1.20	-2.00	210.0	4.20	61.00	3.80	57.0
24640	.32	2.70	490.0	-2.00	67.00	17.00	430.0
24641	.75	-2.00	-100.0	2.70	20.00	-1.00	21.0
24642	.93	-2.00	-100.0	3.50	42.00	2.00	50.0
24643	.73	-2.00	-100.0	4.10	26.00	-1.00	12.0
24644	1.80	-2.00	330.0	4.30	86.00	5.10	67.0
24645	2.40	-2.00	340.0	2.90	94.00	10.00	76.0
24646	1.40	2.80	220.0	2.70	85.00	5.70	100.0
24647	1.00	-2.00	150.0	3.40	60.00	2.50	23.0
24648	.83	-2.00	200.0	4.20	55.00	2.80	67.0
24649	.50	-2.00	-100.0	2.90	26.00	-1.00	16.0
24650	.53	-2.00	-100.0	2.60	33.00	-1.00	90.0
24651	.87	11.00	140.0	48.00	140.00	4.50	250.0
24652	2.70	-2.00	540.0	3.80	93.00	8.60	130.0
24653	2.60	-2.00	300.0	3.30	81.00	6.10	45.0
24654	1.20	-2.00	-100.0	4.20	63.00	1.40	35.0
24655	1.20	3.20	-100.0	20.00	59.00	1.10	72.0
24656	2.60	12.00	230.0	12.00	110.00	2.80	220.0
24657	.87	-2.00	650.0	6.50	95.00	8.00	62.0
24658	1.60	-2.00	660.0	3.80	110.00	10.00	71.0
24659	.90	-2.00	240.0	2.50	54.00	2.80	71.0
24660	2.80	294.00	360.0	-2.00	28.00	-1.00	45.0
24661	.74	-2.00	-100.0	12.00	65.00	1.20	50.0
24662	1.10	-2.00	730.0	3.20	93.00	6.80	79.0
24663	15.00	30.00	320.0	45.00	170.00	6.90	752.0
24664	5.30	2.90	150.0	5.20	93.00	7.00	190.0
24665	1.00	5.60	380.0	4.20	92.00	13.00	81.0
24666	2.00	23.00	-100.0	7.80	130.00	2.70	300.0
24667	1.70	4.40	560.0	4.70	95.00	13.00	78.0
24668	10.00	22.00	530.0	3.50	100.00	10.00	75.0
24669	1.70	-2.00	610.0	4.40	110.00	13.00	68.0
24670	1.80	-2.00	300.0	5.60	62.00	4.60	39.0
24671	2.10	-2.00	260.0	3.80	88.00	5.20	95.0
24672	1.30	-2.00	280.0	2.90	76.00	3.90	26.0
24673	11.00	6.30	480.0	2.20	80.00	8.60	67.0
24674	4.70	-2.00	800.0	-2.00	100.00	11.00	67.0
24675	3.50	-2.00	390.0	2.70	69.00	6.90	65.0
24676	5.50	-2.00	660.0	3.30	110.00	12.00	85.0
24677	.75	-2.00	730.0	4.70	110.00	11.00	94.0
24678	.56	-2.00	-100.0	4.10	74.00	-1.00	807.0
24679	.41	-2.00	-100.0	2.10	34.00	-1.00	30.0
24680	2.80	299.00	480.0	-2.00	29.00	1.60	51.0
24681	.53	-2.00	-100.0	3.00	23.00	-1.00	150.0
24682	.91	-2.00	340.0	5.30	80.00	6.70	140.0
24683	3.60	5.50	470.0	6.60	84.00	11.00	110.0
24684	.59	-2.00	130.0	6.80	26.00	1.40	83.0
24685	1.40	2.80	160.0	24.00	35.00	4.90	100.0
24686	2.00	17.00	220.0	4.50	45.00	5.50	330.0
24687	1.10	4.50	1300.0	10.00	75.00	8.80	96.0
24688	.94	-2.00	420.0	17.00	36.00	2.90	52.0
24689	1.40	-2.00	800.0	7.00	56.00	5.20	74.0
24690	1.70	-2.00	1300.0	8.70	33.00	10.00	230.0
24691	1.60	6.20	980.0	2.80	73.00	6.30	87.0
24692	5.70	31.00	1100.0	13.00	86.00	10.00	120.0
24693	2.90	5.10	590.0	5.80	83.00	7.80	95.0
24694	4.20	3.00	550.0	7.90	97.00	9.50	86.0
24695	1.20	-2.00	380.0	6.90	100.00	7.10	82.0
24696	1.30	3.30	320.0	5.40	83.00	6.40	82.0

24697	.72	-2.00	340.0	-2.00	81.00	5.80	59.0
24698	.83	-2.00	250.0	3.20	69.00	4.70	74.0
24699	1.80	24.00	450.0	12.00	180.00	7.70	300.0
24700	.31	2.70	530.0	-2.00	75.00	18.00	450.0
24701	1.40	4.10	540.0	-2.00	91.00	11.00	77.0
24702	1.70	4.60	530.0	7.50	95.00	8.30	82.0
24703	1.60	5.60	590.0	5.80	93.00	10.00	71.0
24704	1.20	3.60	590.0	2.40	98.00	12.00	94.0
24705	2.00	15.00	620.0	-2.00	99.00	14.00	81.0
24706	.95	-2.00	520.0	4.80	100.00	13.00	67.0
24707	1.40	-2.00	550.0	7.70	89.00	8.10	54.0
24708	.62	-2.00	180.0	14.00	45.00	2.00	16.0
24709	.33	-2.00	-100.0	8.80	14.00	-1.00	41.0
24710	.57	-2.00	-100.0	5.30	29.00	-1.00	9.3
24711	2.00	-2.00	350.0	11.00	73.00	4.20	55.0
24712	1.10	-2.00	-100.0	4.70	35.00	-1.00	15.0
24713	.87	-2.00	440.0	6.00	57.00	5.50	60.0
24714	1.40	-2.00	160.0	5.10	30.00	2.10	27.0
24715	1.60	6.10	1200.0	4.80	86.00	11.00	100.0
24716	7.10	26.00	1600.0	17.00	93.00	9.30	130.0
24717	4.40	18.00	830.0	3.20	87.00	22.00	100.0
24718	.43	7.70	560.0	52.00	42.00	18.00	380.0
24719	1.10	2.30	-100.0	6.10	27.00	6.10	82.0
24720	2.70	286.00	380.0	-2.00	29.00	1.30	46.0
24721	3.40	35.00	330.0	5.20	64.00	7.20	260.0
24722	1.50	8.60	300.0	5.00	28.00	6.60	87.0
24723	1.10	3.10	1100.0	7.90	51.00	10.00	130.0
24724	.74	-2.00	180.0	3.00	57.00	2.70	46.0
24725	.58	-2.00	430.0	8.80	120.00	5.90	76.0
24726	2.60	30.00	640.0	52.00	72.00	10.00	150.0
24727	1.10	7.40	570.0	29.00	110.00	8.30	83.0
24728	.85	4.40	410.0	25.00	97.00	6.70	86.0
24729	2.30	14.00	660.0	9.20	92.00	12.00	120.0
24731	2.70	8.70	1100.0	4.00	89.00	13.00	120.0
24732	.64	8.60	110.0	6.80	15.00	2.90	656.0
24733	3.80	29.00	570.0	21.00	72.00	17.00	120.0
24734	2.60	27.00	1000.0	5.70	73.00	14.00	120.0
24735	1.50	5.20	560.0	4.60	61.00	8.50	110.0
24736	4.00	6.70	770.0	-2.00	79.00	13.00	110.0
24737	1.90	14.00	180.0	11.00	20.00	3.60	940.0
24738	1.50	11.00	250.0	5.70	73.00	14.00	270.0
24739	1.10	6.60	-100.0	8.00	19.00	3.50	885.0
24740	.37	3.00	510.0	-2.00	69.00	16.00	440.0
24741	.58	-2.00	570.0	26.00	120.00	18.00	120.0
24742	2.40	2.80	1200.0	38.00	50.00	30.00	330.0
24743	107.00	7.50	110.0	15.00	60.00	3.60	110.0
24744	3.10	7.80	210.0	31.00	90.00	12.00	120.0
24745	16.00	4.50	550.0	12.00	130.00	12.00	130.0
24746	4.50	-2.00	410.0	8.90	89.00	7.30	56.0
24747	3.30	-2.00	540.0	6.40	110.00	8.60	80.0
24748	2.00	-2.00	130.0	12.00	47.00	1.50	15.0
24749	1.40	-2.00	160.0	11.00	43.00	1.80	34.0
24750	3.70	-2.00	460.0	7.80	110.00	10.00	77.0
24751	5.30	-2.00	-100.0	3.70	25.00	1.40	42.0
24752	3.60	-2.00	250.0	8.70	66.00	3.00	33.0
24753	.61	-2.00	120.0	-2.00	61.00	1.40	63.0
24754	2.80	-2.00	370.0	9.30	67.00	5.30	60.0
24755	1.10	-2.00	100.0	5.60	38.00	1.70	19.0
24756	1.30	-2.00	-100.0	3.50	56.00	1.50	43.0
24757	1.00	-2.00	-100.0	2.50	30.00	-1.00	18.0
24758	53.30	39.00	240.0	8.80	97.00	4.70	120.0
24759	.85	-2.00	-100.0	3.50	41.00	1.20	17.0
24760	2.70	298.00	460.0	-2.00	30.00	1.30	47.0
24761	.81	-2.00	620.0	2.40	90.00	10.00	70.0
24762	3.80	-2.00	430.0	6.30	74.00	11.00	75.0
24763	2.80	5.60	470.0	6.60	92.00	13.00	240.0

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24764	3.50	10.00	-100.0	14.00	57.00	3.70	75.0
24765	5.70	12.00	-100.0	13.00	57.00	2.30	34.0
24766	3.80	4.20	-100.0	9.50	36.00	1.10	56.0
24767	1.40	-2.00	-100.0	2.10	37.00	-1.00	20.0
24768	1.30	4.70	110.0	23.00	65.00	3.20	94.0
24769	1.30	10.00	190.0	55.00	90.00	7.70	210.0
24770	1.80	13.00	140.0	68.00	94.00	9.20	220.0
24771	1.00	2.20	-100.0	3.20	32.00	1.20	17.0
24772	.49	-2.00	-100.0	3.20	22.00	-1.00	48.0
24773	.50	-2.00	180.0	3.20	60.00	3.90	21.0
24774	.30	-2.00	-100.0	-2.00	11.00	-1.00	52.0
24775	.84	-2.00	110.0	6.80	47.00	2.80	33.0
24776	.71	-2.00	-100.0	2.60	19.00	-1.00	55.0
24777	.68	-2.00	-100.0	6.60	28.00	1.10	24.0
24778	.66	-2.00	-100.0	11.00	16.00	1.50	72.0
24779	1.50	2.70	840.0	19.00	81.00	9.30	96.0
24612x2	.69	-2.00	830.0	5.90	66.00	5.50	95.0
24626x2	1.50	9.30	730.0	4.50	77.00	10.00	90.0
24654x2	1.30	-2.00	-100.0	4.70	61.00	1.30	71.0
24667x2	2.00	4.60	510.0	5.40	97.00	14.00	69.0
24695x2	1.30	-2.00	400.0	7.30	100.00	7.20	98.0
24708x2	.62	-2.00	210.0	17.00	47.00	1.90	36.0
24724x2	.72	-2.00	160.0	3.00	57.00	2.90	27.0
24743x2	112.00	7.60	-100.0	16.00	59.00	3.60	99.0
24765x2	5.70	12.00	120.0	14.00	56.00	2.10	69.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24579	1.10	1.20	-5.0	7.20	-20.0	2.100	50.00
24580	15.00	.88	240.0	2.40	-20.0	4.300	14.00
24581	4.60	1.20	-5.0	6.90	-20.0	1.800	47.00
24582	4.20	1.20	-5.0	6.40	-20.0	1.800	41.00
24583	6.70	1.40	-5.0	6.70	-20.0	3.300	50.00
24584	10.00	1.50	-5.0	6.50	-20.0	2.500	44.00
24585	2.60	1.40	-5.0	6.30	-20.0	2.100	51.60
24586	2.20	1.40	-5.0	7.80	-20.0	2.000	53.20
24587	-1.00	.93	-5.0	7.70	-20.0	.430	32.00
24588	-1.00	1.50	-5.0	6.30	-20.0	1.200	50.60
24589	-1.00	1.30	-5.0	5.70	-20.0	.520	47.00
24590	2.80	1.00	-5.0	6.70	-20.0	1.300	41.00
24591	-1.00	-.50	-5.0	2.70	-20.0	.520	12.00
24592	-1.00	1.00	-5.0	4.60	-20.0	.730	31.00
24593	-1.00	-.50	-5.0	5.30	-20.0	.550	14.00
24594	-1.00	1.10	-5.0	7.20	-20.0	.490	39.00
24595	-1.00	.82	-5.0	6.80	-20.0	.580	49.00
24596	-1.00	.92	-5.0	7.00	-20.0	.440	39.00
24597	-1.00	1.40	-5.0	9.10	-20.0	.720	57.00
24598	-1.00	.81	-5.0	5.60	-20.0	.330	28.00
24599	-1.00	-.50	-5.0	3.60	-20.0	.550	11.00
24600	16.00	.85	220.0	2.60	-20.0	4.500	14.00
24601	-1.00	.59	-5.0	8.30	-20.0	.320	23.00
24602	-1.00	-.50	-5.0	3.00	-20.0	.340	21.00
24603	-1.00	-.50	-5.0	4.70	-20.0	.350	9.40
24604	1.90	2.30	-5.0	8.60	-20.0	.400	87.40
24605	2.20	1.30	-5.0	9.00	-20.0	.240	86.00
24606	22.00	3.00	-5.0	8.10	-20.0	4.500	86.80
24607	6.70	1.00	-5.0	8.50	-20.0	1.000	48.00
24608	-1.00	1.00	-5.0	9.40	-20.0	.760	44.00
24609	-1.00	.92	-5.0	8.00	-20.0	.500	31.00
24610	-1.00	-.50	-5.0	4.60	-20.0	.580	16.00
24611	6.00	.95	-5.0	4.80	-20.0	2.100	43.00
24612	-1.00	.62	-5.0	3.70	-20.0	.810	35.00
24613	1.30	.82	-5.0	3.80	-20.0	.430	33.00
24614	15.00	1.50	-5.0	5.60	-20.0	3.600	34.00
24615	1.00	.82	-5.0	4.90	-20.0	.470	30.00
24616	-1.00	1.20	-5.0	6.30	-20.0	.890	53.40

24617	5.20	1.30	-5.0	5.60	-20.0	1.900	42.00
24618	-1.00	1.10	-5.0	5.50	-20.0	2.300	44.00
24619	1.90	1.50	8.7	10.00	-20.0	2.700	66.70
24620	22.00	.88	45.0	8.20	-20.0	4.200	36.00
24621	-1.00	1.50	-5.0	9.40	-20.0	.640	51.50
24622	2.00	1.30	5.7	5.60	-20.0	1.900	50.80
24623	-1.00	1.30	-5.0	5.00	-20.0	.780	52.50
24624	2.20	3.30	-5.0	25.00	-20.0	3.000	161.00
24625	6.40	.91	-5.0	5.20	-20.0	2.500	50.00
24626	9.10	.87	-5.0	4.90	-20.0	1.700	41.00
24627	44.00	1.10	6.6	4.50	-20.0	3.700	44.00
24628	15.00	1.90	-5.0	7.80	-20.0	9.880	31.00
24629	-1.00	.68	8.6	8.40	-20.0	.340	44.00
24630	-1.00	-.50	-5.0	3.00	-20.0	.690	18.00
24631	-1.00	1.90	12.0	7.70	-20.0	5.300	63.40
24632	-1.00	1.20	12.0	8.90	-20.0	7.920	65.90
24633	-1.00	1.00	6.6	8.30	-20.0	.310	57.90
24634	-1.00	-.50	-5.0	6.20	-20.0	.630	22.00
24635	-1.00	.76	-5.0	7.00	-20.0	.300	33.00
24636	19.00	.84	-5.0	4.40	-20.0	1.900	41.00
24637	14.00	1.10	-5.0	3.90	-20.0	1.400	38.00
24638	1.30	1.10	79.0	4.10	-20.0	2.400	50.00
24639	-1.00	.63	-5.0	6.30	-20.0	.370	32.00
24640	22.00	.81	55.0	8.50	-20.0	4.200	36.00
24641	-1.00	-.50	-5.0	5.20	-20.0	.390	10.00
24642	-1.00	-.50	-5.0	5.50	-20.0	.300	21.00
24643	-1.00	-.50	-5.0	4.60	-20.0	.450	14.00
24644	-1.00	.92	-5.0	8.70	-20.0	.440	42.00
24645	-1.00	1.10	-5.0	6.70	-20.0	.510	45.00
24646	-1.00	.84	-5.0	7.20	-20.0	.370	44.00
24647	-1.00	.74	-5.0	8.80	-20.0	.340	29.00
24648	-1.00	.70	-5.0	8.30	-20.0	.440	27.00
24649	-1.00	-.50	-5.0	6.30	-20.0	.310	13.00
24650	-1.00	-.50	-5.0	5.00	-20.0	.310	17.00
24651	-1.00	2.00	-5.0	7.60	-20.0	6.610	89.30
24652	-1.00	1.10	-5.0	6.50	-20.0	.550	46.00
24653	-1.00	.95	-5.0	8.90	-20.0	.540	40.00
24654	-1.00	.89	-5.0	8.50	-20.0	.360	32.00
24655	-1.00	.63	-5.0	6.60	-20.0	2.000	32.00
24656	91.00	2.90	-5.0	9.50	-20.0	4.800	55.80
24657	1.00	1.00	-5.0	6.80	-20.0	1.100	47.00
24658	-1.00	1.20	-5.0	8.40	-20.0	.790	55.10
24659	-1.00	.52	-5.0	3.80	-20.0	.500	28.00
24660	16.00	.91	230.0	2.50	-20.0	4.400	14.00
24661	-1.00	1.30	-5.0	7.30	-20.0	.680	34.00
24662	-1.00	1.50	-5.0	6.40	-20.0	.640	46.00
24663	1.10	2.90	-5.0	11.00	-20.0	7.230	92.70
24664	1.40	1.70	5.5	10.00	-20.0	2.700	48.00
24665	17.00	1.70	-5.0	7.40	-20.0	1.400	49.00
24666	120.00	3.80	-5.0	8.70	-20.0	6.410	66.00
24667	3.00	1.20	-5.0	6.10	-20.0	1.000	48.00
24668	-1.00	1.10	-5.0	7.80	-20.0	1.000	50.90
24669	-1.00	1.50	-5.0	6.60	-20.0	.630	53.40
24670	-1.00	.93	-5.0	6.50	-20.0	.520	30.00
24671	-1.00	1.10	-5.0	7.50	-20.0	.560	41.00
24672	-1.00	1.00	-5.0	6.70	-20.0	.360	36.00
24673	-1.00	1.10	5.2	6.10	-20.0	.720	39.00
24674	-1.00	1.50	10.0	7.60	-20.0	.500	48.00
24675	-1.00	1.10	-5.0	6.50	-20.0	.610	33.00
24676	-1.00	1.60	-5.0	6.80	-20.0	.530	53.00
24677	-1.00	1.70	-5.0	8.40	-20.0	.690	52.10
24678	1.40	-.50	-5.0	10.00	-20.0	.330	39.00
24679	-1.00	-.50	-5.0	4.10	-20.0	.320	18.00
24680	16.00	.87	230.0	2.60	-20.0	4.500	14.00
24681	-1.00	-.50	-5.0	7.90	-20.0	.310	12.00
24682	1.40	.74	-5.0	4.80	-20.0	1.000	40.00

24683	4.60	1.50	-5.0	5.70	-20.0	1.600	41.00
24684	1.40	-.50	-5.0	4.20	-20.0	.730	12.00
24685	-1.00	-.50	-5.0	3.90	-20.0	.650	17.00
24686	94.00	1.10	-5.0	4.20	-20.0	2.400	19.00
24687	6.40	.89	-5.0	3.80	-20.0	1.100	34.00
24688	-1.00	-.50	-5.0	3.60	-20.0	.550	18.00
24689	1.60	.71	-5.0	3.40	-20.0	.790	26.00
24690	4.90	.53	-5.0	4.30	-20.0	1.500	18.00
24691	11.00	.66	-5.0	4.40	-20.0	4.800	35.00
24692	-1.00	1.10	-5.0	4.80	-20.0	4.400	43.00
24693	-1.00	.87	-5.0	5.80	-20.0	1.300	41.00
24694	-1.00	.94	-5.0	6.20	-20.0	.570	46.00
24695	-1.00	1.00	-5.0	5.60	-20.0	.610	48.00
24696	-1.00	1.00	-5.0	8.20	-20.0	.580	39.00
24697	-1.00	1.00	-5.0	7.70	-20.0	.450	37.00
24698	-1.00	.85	-5.0	7.70	-20.0	.450	33.00
24699	15.00	2.80	-5.0	10.00	-20.0	6.510	102.00
24700	24.00	.66	60.0	8.80	-20.0	4.300	37.00
24701	6.10	1.20	-5.0	7.30	-20.0	2.400	44.00
24702	3.20	1.30	-5.0	7.90	-20.0	1.600	45.00
24703	6.30	1.00	-5.0	7.90	-20.0	1.500	46.00
24704	6.00	1.30	-5.0	7.90	-20.0	2.800	47.00
24705	6.90	1.40	-5.0	7.50	-20.0	2.700	48.00
24706	-1.00	1.30	-5.0	8.70	-20.0	.700	48.00
24707	-1.00	1.10	-5.0	6.80	-20.0	.560	42.00
24708	-1.00	.63	-5.0	6.30	-20.0	.330	20.00
24709	-1.00	-.50	-5.0	3.00	-20.0	.500	6.60
24710	-1.00	-.50	-5.0	5.00	-20.0	.470	14.00
24711	-1.00	.82	-5.0	10.00	-20.0	.400	34.00
24712	-1.00	-.50	-5.0	5.80	-20.0	.260	17.00
24713	1.30	.85	-5.0	3.80	-20.0	.480	26.00
24714	-1.00	-.50	-5.0	5.60	-20.0	.480	15.00
24715	11.00	1.30	-5.0	4.90	-20.0	2.100	40.00
24716	-1.00	1.80	-5.0	5.30	-20.0	4.200	47.00
24717	24.00	1.10	-5.0	4.80	-20.0	1.700	41.00
24718	5.40	1.00	-5.0	6.80	-20.0	4.400	22.00
24719	2.80	-.50	-5.0	2.30	-20.0	.700	13.00
24720	15.00	1.00	210.0	2.30	-20.0	4.300	14.00
24721	58.00	1.70	-5.0	3.80	-20.0	6.180	30.00
24722	25.00	-.50	-5.0	1.70	-20.0	1.800	14.00
24723	7.80	.87	-5.0	4.00	-20.0	2.500	24.00
24724	-1.00	.61	-5.0	6.50	-20.0	.440	28.00
24725	-1.00	1.40	-5.0	7.60	-20.0	.490	56.70
24726	2.10	1.00	-5.0	5.30	-20.0	7.010	36.00
24727	1.40	1.30	-5.0	5.80	-20.0	4.700	54.00
24728	2.20	1.40	-5.0	5.90	-20.0	3.500	47.00
24729	48.00	2.00	-5.0	4.70	-20.0	3.300	41.00
24731	2.50	1.10	-5.0	4.60	-20.0	2.100	44.00
24732	35.00	-.50	-5.0	1.70	-20.0	6.060	7.00
24733	-1.00	1.20	-5.0	3.40	-20.0	15.300	39.00
24734	3.60	1.00	-5.0	4.00	-20.0	7.130	37.00
24735	13.00	1.20	-5.0	4.30	-20.0	3.600	31.00
24736	1.50	.82	-5.0	4.10	-20.0	1.000	38.00
24737	66.00	-.50	-5.0	2.20	-20.0	6.200	8.80
24738	22.00	1.20	-5.0	4.40	-20.0	5.320	33.00
24739	54.00	-.50	-5.0	1.90	-20.0	5.240	9.40
24740	22.00	1.00	55.0	8.20	-20.0	4.100	35.00
24741	3.40	1.20	-5.0	7.20	-20.0	1.700	62.30
24742	2.20	.69	-5.0	5.40	-20.0	3.200	24.00
24743	5.30	-.50	-5.0	14.00	-20.0	.380	30.00
24744	1.20	.91	-5.0	6.90	-20.0	.850	43.00
24745	-1.00	2.00	-5.0	8.20	-20.0	.460	60.70
24746	-1.00	1.20	-5.0	7.10	-20.0	.450	42.00
24747	-1.00	1.40	-5.0	7.70	-20.0	.520	50.80
24748	-1.00	.79	-5.0	7.90	-20.0	.280	21.00
24749	-1.00	.61	-5.0	8.00	-20.0	.310	20.00

24750	-1.00	1.60	-5.0	7.30	-20.0	.420	51.80
24751	-1.00	-.50	-5.0	4.10	-20.0	.410	12.00
24752	-1.00	.82	-5.0	8.80	-20.0	.380	31.00
24753	-1.00	.64	-5.0	6.20	-20.0	.400	29.00
24754	-1.00	.64	-5.0	6.80	-20.0	.460	32.00
24755	-1.00	.59	-5.0	6.30	-20.0	.370	18.00
24756	-1.00	.86	-5.0	7.00	-20.0	.420	26.00
24757	-1.00	-.50	-5.0	5.20	-20.0	.320	13.00
24758	-1.00	1.40	16.0	6.70	-20.0	1.800	49.00
24759	-1.00	.54	-5.0	5.60	-20.0	.300	18.00
24760	16.00	.92	240.0	2.30	-20.0	4.500	14.00
24761	-1.00	1.00	-5.0	8.10	-20.0	.680	43.00
24762	-1.00	1.40	-5.0	3.60	-20.0	.600	35.00
24763	1.70	1.70	-5.0	8.00	-20.0	.820	42.00
24764	-1.00	.74	-5.0	5.90	-20.0	1.800	27.00
24765	-1.00	.54	-5.0	2.90	-20.0	.930	28.00
24766	-1.00	-.50	-5.0	2.80	-20.0	.620	18.00
24767	-1.00	-.50	-5.0	4.30	-20.0	.440	18.00
24768	-1.00	.77	-5.0	4.40	-20.0	.870	32.00
24769	1.50	1.20	-5.0	6.00	-20.0	5.040	46.00
24770	-1.00	1.70	-5.0	5.70	-20.0	3.700	46.00
24771	-1.00	-.50	-5.0	2.70	-20.0	.600	16.00
24772	-1.00	-.50	-5.0	3.80	-20.0	.400	11.00
24773	-1.00	.78	-5.0	7.30	-20.0	.370	30.00
24774	-1.00	-.50	-5.0	2.70	-20.0	.480	4.90
24775	-1.00	.63	-5.0	7.30	-20.0	.380	24.00
24776	-1.00	-.50	-5.0	3.50	-20.0	.610	10.00
24777	-1.00	-.50	-5.0	4.50	-20.0	.460	14.00
24778	-1.00	-.50	-5.0	1.40	-20.0	.650	7.70
24779	2.40	1.00	-5.0	4.50	-20.0	.760	38.00
24612x2	-1.00	.73	-5.0	3.70	-20.0	.780	35.00
24626x2	10.00	.84	-5.0	4.80	-20.0	1.600	41.00
24654x2	-1.00	1.10	-5.0	8.00	-20.0	.390	31.00
24667x2	4.00	1.20	-5.0	6.40	-20.0	1.100	49.00
24695x2	-1.00	1.10	-5.0	5.90	-20.0	.670	50.60
24708x2	-1.00	.62	-5.0	6.70	-20.0	.370	23.00
24724x2	-1.00	.72	-5.0	6.40	-20.0	.450	28.00
24743x2	5.40	-.50	-5.0	14.00	-20.0	.380	31.00
24765x2	-1.00	.62	-5.0	3.20	-20.0	.910	29.00

S#	Lu	Mo	K	Rb	Sm	Sc	Se
24579	.72	-5.0	1.700	91.0	9.20	6.30	-5.0
24580	.37	-5.0	1.900	34.0	4.10	12.40	-5.0
24581	.79	-5.0	3.100	170.0	8.80	13.30	-5.0
24582	.67	-5.0	2.700	150.0	7.80	11.40	-5.0
24583	.77	-5.0	3.300	190.0	9.50	14.70	-5.0
24584	.73	-5.0	2.900	170.0	8.90	13.20	-5.0
24585	.76	-5.0	3.800	220.0	10.00	16.00	-5.0
24586	.88	-5.0	3.600	190.0	10.00	14.70	-5.0
24587	.65	-5.0	1.800	100.0	5.80	7.20	-5.0
24588	.78	-5.0	3.800	210.0	10.00	14.50	-5.0
24589	.69	-5.0	4.000	220.0	8.80	13.00	-5.0
24590	.51	-5.0	1.900	120.0	6.80	9.40	-5.0
24591	-.20	-5.0	.300	21.0	1.90	1.60	-5.0
24592	.52	-5.0	2.100	120.0	5.60	8.40	-5.0
24593	.30	-5.0	.400	26.0	2.50	2.00	-5.0
24594	.69	-5.0	2.800	160.0	7.50	10.70	-5.0
24595	.55	-5.0	2.500	140.0	6.30	8.50	-5.0
24596	.60	-5.0	2.800	170.0	6.50	9.00	-5.0
24597	.84	-5.0	3.800	200.0	10.00	14.70	-5.0
24598	.36	-5.0	.780	41.0	5.20	2.70	-5.0
24599	.20	-5.0	-.200	-20.0	2.00	1.00	-5.0
24600	.34	-5.0	1.800	39.0	4.20	12.90	-5.0
24601	.43	-5.0	.650	34.0	4.30	3.00	-5.0
24602	-.20	-5.0	-.200	-20.0	2.60	.66	-5.0

24603	.23	-5.0	-.200	-20.0	1.60	.62	-5.0
24604	.36	-5.0	.600	27.0	9.30	19.10	-5.0
24605	.36	-5.0	.310	-20.0	6.80	16.60	-5.0
24606	.52	-5.0	.910	51.0	12.00	30.70	-5.0
24607	.74	-5.0	2.800	140.0	7.80	10.40	-5.0
24608	.77	-5.0	3.300	180.0	7.10	10.60	-5.0
24609	.60	-5.0	1.900	90.0	5.80	6.90	-5.0
24610	.26	-5.0	.630	29.0	2.60	2.30	-5.0
24611	.56	-5.0	2.400	130.0	6.00	13.70	-5.0
24612	.42	-5.0	2.800	130.0	4.50	10.20	-5.0
24613	.40	-5.0	1.700	82.0	4.90	7.30	-5.0
24614	.64	-5.0	1.500	69.0	9.00	54.60	-5.0
24615	.59	-5.0	2.400	110.0	5.40	21.20	-5.0
24616	.75	-5.0	3.400	160.0	9.30	15.40	-5.0
24617	.78	-5.0	3.300	170.0	8.00	19.80	-5.0
24618	.62	-5.0	3.000	160.0	7.80	14.30	-5.0
24619	1.00	-17.0	3.200	170.0	12.00	16.90	-5.0
24620	.43	-5.0	1.600	190.0	7.30	11.50	-5.0
24621	1.10	-16.0	3.600	180.0	8.70	19.70	-5.0
24622	.70	-5.0	3.500	180.0	8.50	20.30	-5.0
24623	.77	-5.0	3.200	150.0	8.20	18.90	-5.0
24624	2.20	-13.0	10.000	470.0	26.30	35.30	-5.0
24625	.65	-5.0	2.800	130.0	7.60	19.70	-5.0
24626	.57	-5.0	2.900	140.0	5.80	17.20	-5.0
24627	.62	-5.0	2.800	130.0	6.70	19.20	-5.0
24628	.44	-5.0	.560	25.0	7.60	29.30	-5.0
24629	.77	-5.0	3.300	160.0	5.50	15.80	-5.0
24630	-.20	-5.0	-.200	-20.0	2.40	1.20	-5.0
24631	1.10	-5.0	2.600	160.0	12.00	13.40	6.8
24632	.74	-12.0	1.800	83.0	10.00	11.10	12.0
24633	.64	-12.0	2.500	110.0	8.20	10.00	-5.0
24634	.32	-5.0	.620	28.0	3.30	2.60	-5.0
24635	.43	-5.0	.550	34.0	5.10	5.40	-5.0
24636	.56	-5.0	3.800	160.0	6.00	17.30	-5.0
24637	.47	-5.0	3.100	140.0	7.20	17.60	-5.0
24638	.54	-5.0	1.700	110.0	8.00	8.20	-5.0
24639	.48	-5.0	1.600	85.0	4.80	5.90	-5.0
24640	.40	-5.0	1.600	190.0	7.30	11.40	-5.0
24641	.24	-5.0	-.200	-20.0	1.50	.72	-5.0
24642	.33	-5.0	.530	22.0	3.40	2.20	-5.0
24643	.20	-5.0	-.200	-20.0	1.90	.62	-5.0
24644	.64	-5.0	2.100	110.0	7.40	8.90	-5.0
24645	.66	-5.0	3.200	160.0	8.30	11.30	-5.0
24646	.38	-5.0	1.600	76.0	5.80	6.00	-5.0
24647	.45	-5.0	.940	47.0	5.40	3.80	-5.0
24648	.48	-5.0	1.100	55.0	5.20	4.50	-5.0
24649	.28	-5.0	-.200	-20.0	2.20	1.00	-5.0
24650	.22	-5.0	-.200	-20.0	2.40	1.50	-5.0
24651	.31	-5.0	.500	20.0	8.20	12.20	-5.0
24652	.63	-5.0	3.500	180.0	7.40	12.80	-5.0
24653	.63	-5.0	2.100	110.0	7.40	7.70	-5.0
24654	.43	-5.0	-.200	-20.0	5.20	3.20	-5.0
24655	.29	-5.0	-.200	-20.0	4.00	5.00	-5.0
24656	.50	-5.0	.480	-20.0	12.00	21.00	-5.0
24657	.69	-5.0	3.600	190.0	8.00	12.40	-5.0
24658	.78	-5.0	4.000	200.0	9.10	13.80	-5.0
24659	.28	-5.0	1.200	53.0	4.10	3.90	-5.0
24660	.33	-5.0	1.800	38.0	4.20	12.70	-5.0
24661	.31	-5.0	-.200	-20.0	5.30	5.00	-5.0
24662	.62	-5.0	3.400	170.0	8.70	11.60	-5.0
24663	.39	-5.0	1.800	92.0	13.00	37.60	-5.0
24664	.54	-5.0	1.000	57.0	8.60	26.20	-5.0
24665	.68	-5.0	3.400	170.0	8.00	15.60	-5.0
24666	.50	-5.0	-.200	-20.0	15.00	24.10	-5.0
24667	.71	-5.0	3.500	190.0	8.00	14.70	-5.0
24668	.80	-5.0	3.700	190.0	9.40	13.50	-5.0

24669	.82	-5.0	3.900	220.0	10.00	14.60	-5.0
24670	.62	-5.0	1.700	93.0	6.20	7.30	-5.0
24671	.80	-5.0	1.600	98.0	8.10	7.50	-5.0
24672	.55	-5.0	1.200	76.0	7.10	5.30	-5.0
24673	.78	-5.0	2.400	140.0	7.50	10.40	-5.0
24674	.92	-5.0	3.300	180.0	10.00	14.40	-5.0
24675	.60	-5.0	2.400	150.0	6.50	10.00	-5.0
24676	.82	-5.0	3.900	220.0	10.00	16.20	-5.0
24677	.86	-5.0	3.700	230.0	10.00	15.00	-5.0
24678	.27	-5.0	-.200	-20.0	2.40	.61	-5.0
24679	-.20	-5.0	-.200	-20.0	1.00	.32	-5.0
24680	.32	-5.0	1.900	44.0	4.20	12.90	-5.0
24681	-.20	-5.0	-.200	-20.0	1.20	.56	-5.0
24682	.36	-5.0	2.300	110.0	4.70	6.70	-5.0
24683	.42	-5.0	3.600	170.0	7.80	14.20	-5.0
24684	.21	-5.0	.350	-20.0	2.20	2.90	-5.0
24685	.24	-5.0	.420	28.0	2.70	4.50	-5.0
24686	.50	-5.0	.450	23.0	5.20	41.40	-5.0
24687	.38	-5.0	2.700	130.0	5.70	14.30	-5.0
24688	.23	-5.0	.520	34.0	2.70	4.30	-5.0
24689	.32	-5.0	1.800	87.0	4.00	11.30	-5.0
24690	.35	-5.0	3.100	120.0	2.60	27.10	-5.0
24691	.33	-5.0	2.300	110.0	5.00	18.50	-5.0
24692	.67	-5.0	4.100	200.0	6.80	18.10	-5.0
24693	.64	-5.0	3.100	140.0	5.90	14.70	-5.0
24694	.64	-5.0	3.100	150.0	6.80	14.30	-5.0
24695	.57	-5.0	3.000	150.0	6.40	14.30	-5.0
24696	.62	-5.0	2.100	110.0	6.70	8.60	-5.0
24697	.59	-5.0	2.000	98.0	6.50	8.10	-5.0
24698	.54	-5.0	1.800	87.0	5.70	6.80	-5.0
24699	.47	-5.0	1.200	55.0	11.00	37.10	-5.0
24700	.45	-5.0	2.000	200.0	7.60	11.80	-5.0
24701	.59	-5.0	2.200	140.0	7.90	10.90	-5.0
24702	.64	-5.0	2.200	120.0	8.50	10.70	-5.0
24703	.62	-5.0	2.100	150.0	7.70	10.60	-5.0
24704	.62	-5.0	2.400	150.0	8.90	11.90	-5.0
24705	.69	-5.0	2.400	150.0	9.50	11.90	-5.0
24706	.76	-5.0	3.300	180.0	8.70	11.40	-5.0
24707	.68	-5.0	3.000	150.0	7.40	10.30	-5.0
24708	.39	-5.0	.870	44.0	3.70	3.50	-5.0
24709	-.20	-5.0	-.200	-20.0	1.20	.52	-5.0
24710	.22	-5.0	-.200	-20.0	2.60	1.00	-5.0
24711	.69	-5.0	1.800	79.0	6.40	7.00	-5.0
24712	.28	-5.0	-.200	-20.0	2.70	1.20	-5.0
24713	.42	-5.0	1.900	100.0	4.30	8.00	-5.0
24714	.31	-5.0	.340	-20.0	2.50	2.50	-5.0
24715	.49	-5.0	3.500	170.0	7.90	19.60	-5.0
24716	.67	-5.0	3.100	150.0	10.00	18.80	-5.0
24717	.56	-5.0	3.600	240.0	7.20	18.20	-5.0
24718	.65	-5.0	1.800	100.0	4.80	31.50	-5.0
24719	.23	-5.0	.360	28.0	2.20	12.60	-5.0
24720	.37	-5.0	1.500	34.0	4.10	12.40	-5.0
24721	.62	-5.0	-.200	-20.0	7.60	32.50	-5.0
24722	-.20	-5.0	.830	55.0	2.20	6.60	-5.0
24723	.37	-5.0	2.200	120.0	5.20	19.80	-5.0
24724	.38	-5.0	.840	42.0	4.60	3.80	-5.0
24725	.60	-5.0	1.500	75.0	9.30	10.00	-5.0
24726	.51	-5.0	2.200	130.0	5.30	20.30	-5.0
24727	.54	-5.0	1.700	110.0	8.30	18.60	-5.0
24728	.46	-5.0	1.000	69.0	7.60	11.40	-5.0
24729	.65	-5.0	2.600	120.0	10.00	26.90	-5.0
24731	.59	-5.0	3.200	160.0	7.20	19.50	-5.0
24732	.27	-5.0	-.200	-20.0	1.60	34.60	-5.0
24733	.46	-5.0	1.800	89.0	6.40	13.20	-5.0
24734	.51	-5.0	3.000	150.0	5.80	17.10	-5.0
24735	.36	-5.0	1.700	110.0	5.50	15.00	-5.0

24736	.47	-5.0	3.800	210.0	5.60	14.70	-5.0
24737	.34	-5.0	.240	-20.0	2.20	52.40	-5.0
24738	.51	-5.0	.720	60.0	6.80	27.50	-5.0
24739	.31	-5.0	-.200	-20.0	1.90	25.60	-5.0
24740	.40	-5.0	1.600	180.0	7.20	11.30	-5.0
24741	.89	-5.0	2.300	110.0	7.70	20.80	-5.0
24742	.50	-5.0	4.300	170.0	3.80	35.40	-5.0
24743	.37	-5.0	1.700	69.0	3.60	4.00	-5.0
24744	.55	-5.0	1.100	63.0	7.00	11.10	-5.0
24745	1.00	-5.0	3.900	190.0	11.00	17.10	-5.0
24746	.68	5.2	2.900	140.0	8.00	10.30	-5.0
24747	.78	-5.0	3.700	190.0	9.00	13.20	-5.0
24748	.39	-5.0	.660	30.0	4.20	2.90	-5.0
24749	.44	-5.0	.580	32.0	3.80	2.80	-5.0
24750	.79	-5.0	3.500	170.0	10.00	13.90	-5.0
24751	.27	-5.0	.420	28.0	2.30	2.00	-5.0
24752	.59	-5.0	1.700	87.0	5.60	6.30	-5.0
24753	.34	-5.0	.790	34.0	5.20	2.70	-5.0
24754	.56	-5.0	2.500	130.0	4.70	8.10	-5.0
24755	.41	-5.0	.560	31.0	3.40	2.80	-5.0
24756	.47	-5.0	.430	30.0	4.80	2.80	-5.0
24757	.33	-5.0	-.200	-20.0	2.50	1.30	-5.0
24758	.74	-5.0	2.400	120.0	7.60	11.40	-5.0
24759	.41	-5.0	-.200	-20.0	3.60	1.50	-5.0
24760	.34	-5.0	2.000	37.0	4.20	12.90	-5.0
24761	.67	-5.0	3.400	160.0	7.30	10.40	-5.0
24762	.41	-5.0	2.200	120.0	7.60	14.50	-5.0
24763	.93	-5.0	3.400	180.0	8.70	32.60	-5.0
24764	.42	-5.0	.610	37.0	4.70	8.30	-5.0
24765	.28	-5.0	.550	35.0	4.10	3.60	-5.0
24766	-.20	-5.0	.260	-20.0	2.60	1.80	-5.0
24767	.26	-5.0	-.200	-20.0	2.90	1.30	-5.0
24768	.34	-5.0	.490	30.0	4.90	4.70	-5.0
24769	.53	-5.0	.800	63.0	7.00	19.00	-5.0
24770	.49	-5.0	.850	59.0	10.00	21.80	-5.0
24771	-.20	-5.0	.260	-20.0	2.60	1.60	-5.0
24772	-.20	-5.0	-.200	-20.0	1.80	.76	-5.0
24773	.46	-5.0	.950	56.0	5.30	4.20	-5.0
24774	-.20	-5.0	-.200	-20.0	.76	.23	-5.0
24775	.41	-5.0	.630	35.0	4.20	3.20	-5.0
24776	-.20	-5.0	-.200	-20.0	1.50	.77	-5.0
24777	.25	-5.0	-.200	-20.0	2.30	1.40	-5.0
24778	-.20	-5.0	.200	-20.0	1.70	1.50	-5.0
24779	.43	-5.0	1.900	100.0	5.90	17.20	-5.0
24612x2	.44	-5.0	2.500	130.0	4.50	10.30	-5.0
24626x2	.55	-5.0	2.700	140.0	5.70	17.20	-5.0
24654x2	.42	-5.0	.260	-20.0	5.10	3.10	-5.0
24667x2	.70	-5.0	3.600	190.0	8.20	15.10	-5.0
24695x2	.62	-5.0	3.400	160.0	6.90	15.20	-5.0
24708x2	.41	-5.0	1.000	47.0	4.10	3.90	-5.0
24724x2	.38	-5.0	1.000	38.0	4.80	3.90	-5.0
24743x2	.39	-5.0	2.000	82.0	3.60	4.00	-5.0
24765x2	.28	-5.0	.510	35.0	4.30	3.80	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
24579	-5.00	-1.00	16.00	-500.0	-2.00	2.70	3.50
24580	-5.00	1.30	2.00	-500.0	-2.00	-2.00	1.80
24581	-5.00	1.90	17.00	-500.0	-2.00	2.30	4.00
24582	-5.00	1.10	14.00	-500.0	2.30	2.60	3.50
24583	-5.00	1.40	17.00	-500.0	-2.00	2.50	3.90
24584	-5.00	1.30	15.00	-500.0	-2.00	2.20	3.80
24585	-5.00	1.60	18.00	-500.0	2.20	3.20	4.00
24586	-5.00	1.60	19.00	-500.0	-2.00	3.30	4.60
24587	-5.00	1.60	11.00	-500.0	-2.00	-2.00	3.40
24588	-5.00	1.50	18.00	-500.0	-2.00	2.60	3.90

24589	-5.00	1.70	15.00	-500.0	2.30	2.10	3.50
24590	-5.00	1.10	13.00	-500.0	-2.00	-2.00	2.70
24591	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	.84
24592	-5.00	1.30	11.00	-500.0	2.80	-2.00	2.60
24593	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.50
24594	-5.00	1.50	13.00	-500.0	-2.00	-2.00	3.60
24595	-5.00	1.30	13.00	-500.0	2.30	-2.00	2.80
24596	-5.00	1.60	12.00	-500.0	-2.00	-2.00	3.00
24597	-5.00	1.20	19.00	-500.0	3.30	3.70	4.20
24598	-5.00	-1.00	6.80	-500.0	-2.00	-2.00	1.70
24599	-5.00	-1.00	2.90	-500.0	-2.00	-2.00	1.00
24600	-5.00	1.10	1.80	-500.0	-2.00	-2.00	1.80
24601	-5.00	-1.00	6.20	-500.0	-2.00	2.10	2.30
24602	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	.84
24603	-5.00	-1.00	2.30	-500.0	-2.00	-2.00	1.20
24604	-5.00	8.10	14.00	-500.0	-2.00	-2.00	1.90
24605	-5.00	9.20	17.00	-500.0	-2.00	-2.00	1.80
24606	-5.00	10.00	16.00	-500.0	-2.00	-2.00	2.80
24607	-5.00	1.90	14.00	-500.0	-2.00	-2.00	3.70
24608	-5.00	1.20	14.00	-500.0	2.90	-2.00	3.80
24609	-5.00	1.10	10.00	-500.0	-2.00	-2.00	3.10
24610	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.40
24611	-5.00	1.40	14.00	-500.0	-2.00	-2.00	3.00
24612	-5.00	1.10	9.50	-500.0	-2.00	3.90	2.20
24613	-5.00	1.30	10.00	-500.0	2.40	-2.00	2.00
24614	-5.00	2.30	18.00	-500.0	-2.00	2.90	3.30
24615	-5.00	1.90	9.40	-500.0	-2.00	-2.00	3.00
24616	-5.00	1.70	15.00	-500.0	2.00	2.70	3.90
24617	-5.00	2.00	17.00	-500.0	-2.00	-2.00	3.90
24618	-5.00	1.60	15.00	-500.0	2.90	3.00	3.10
24619	-5.00	2.80	21.00	-500.0	-2.00	9.20	5.00
24620	-5.00	3.40	14.00	-500.0	5.90	3.60	2.20
24621	-5.00	2.10	12.00	-500.0	2.40	8.80	5.40
24622	-5.00	1.50	20.00	-500.0	2.50	4.20	3.60
24623	-5.00	1.40	13.00	-500.0	3.20	3.10	4.00
24624	-5.00	8.10	44.00	-500.0	-2.00	7.00	11.00
24625	-5.00	1.70	14.00	-500.0	2.40	4.00	3.40
24626	-5.00	1.60	13.00	-500.0	2.40	3.30	2.80
24627	-5.00	1.20	13.00	-500.0	-2.00	3.20	3.40
24628	-5.00	3.00	9.20	-500.0	-2.00	-2.00	2.50
24629	-5.00	1.70	12.00	-500.0	-2.00	4.10	3.70
24630	-5.00	-1.00	2.70	-500.0	-2.00	-2.00	.86
24631	-5.00	1.70	18.00	-500.0	-2.00	4.80	5.40
24632	-5.00	2.40	21.00	-500.0	2.60	6.30	3.90
24633	-5.00	2.30	14.00	-500.0	3.40	6.60	3.30
24634	-5.00	-1.00	4.40	-500.0	-2.00	-2.00	1.60
24635	-5.00	1.60	6.80	-500.0	-2.00	-2.00	2.30
24636	-5.00	1.10	12.00	-500.0	3.40	2.40	3.00
24637	-5.00	-1.00	11.00	-500.0	2.40	-2.00	2.50
24638	-5.00	1.30	12.00	-500.0	-2.00	15.00	2.80
24639	-5.00	-1.00	8.20	-500.0	-2.00	-2.00	2.40
24640	-5.00	3.50	14.00	-500.0	5.40	2.90	2.20
24641	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	1.30
24642	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.70
24643	-5.00	-1.00	2.50	-500.0	-2.00	-2.00	1.10
24644	-5.00	1.60	13.00	-500.0	-2.00	2.10	3.40
24645	-5.00	1.40	14.00	-500.0	-2.00	-2.00	3.40
24646	-5.00	2.30	9.00	-500.0	-2.00	-2.00	2.00
24647	-5.00	-1.00	7.90	-500.0	-2.00	-2.00	2.40
24648	-5.00	1.40	7.60	-500.0	-2.00	-2.00	2.50
24649	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	1.50
24650	-5.00	1.30	3.00	-500.0	-2.00	-2.00	1.10
24651	-5.00	5.20	10.00	-500.0	-2.00	-2.00	1.60
24652	-5.00	1.80	14.00	-500.0	-2.00	4.00	3.30
24653	-5.00	1.30	11.00	-500.0	-2.00	-2.00	3.30
24654	-5.00	2.00	5.30	-500.0	-2.00	-2.00	2.30

24655	-5.00	3.10	5.10	-500.0	-2.00	-2.00	1.60
24656	-5.00	5.30	8.80	-500.0	-2.00	-2.00	2.70
24657	-5.00	1.60	14.00	-500.0	-2.00	2.40	3.60
24658	-5.00	2.10	16.00	-500.0	2.80	2.30	4.00
24659	-5.00	-1.00	5.50	-500.0	-2.00	-2.00	1.30
24660	-5.00	1.40	1.70	-500.0	-2.00	-2.00	1.60
24661	-5.00	2.90	4.70	-500.0	-2.00	-2.00	1.70
24662	-5.00	1.10	14.00	-500.0	-2.00	-2.00	3.40
24663	-5.00	6.20	25.00	-500.0	-2.00	3.30	2.30
24664	-5.00	3.70	14.00	-500.0	-2.00	3.20	3.00
24665	-5.00	-1.00	16.00	-500.0	-2.00	2.50	3.50
24666	-5.00	4.70	7.60	-500.0	-2.00	-2.00	2.70
24667	-5.00	-1.00	15.00	-500.0	-2.00	3.00	3.60
24668	-5.00	1.90	16.00	-500.0	-2.00	2.40	4.00
24669	-5.00	1.70	17.00	-500.0	2.50	-2.00	4.00
24670	-5.00	-1.00	9.00	-500.0	-2.00	-2.00	3.20
24671	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	4.20
24672	-5.00	-1.00	10.00	-500.0	-2.00	-2.00	2.80
24673	-5.00	-1.00	11.00	-500.0	2.10	2.60	4.20
24674	-5.00	1.40	15.00	-500.0	3.30	2.70	4.80
24675	-5.00	1.50	10.00	-500.0	2.50	-2.00	3.20
24676	-5.00	1.20	18.00	-500.0	-2.00	3.40	4.20
24677	-5.00	1.50	19.00	-500.0	2.40	2.40	4.50
24678	-5.00	-1.00	2.80	-500.0	-2.00	-2.00	1.10
24679	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	.64
24680	-5.00	1.50	2.10	-500.0	-2.00	-2.00	1.80
24681	-5.00	1.10	2.10	-500.0	-2.00	-2.00	.94
24682	-5.00	1.30	9.00	-500.0	-2.00	-2.00	1.80
24683	-5.00	1.20	12.00	-500.0	-2.00	-2.00	2.40
24684	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.00
24685	-5.00	1.10	3.90	-500.0	-2.00	-2.00	1.30
24686	-5.00	1.50	7.10	-500.0	-2.00	-2.00	2.80
24687	-5.00	1.40	13.00	-500.0	-2.00	-2.00	2.00
24688	-5.00	-1.00	4.40	-500.0	-2.00	-2.00	1.10
24689	-5.00	1.20	11.00	-500.0	-2.00	-2.00	1.50
24690	-5.00	1.10	9.30	-500.0	-2.00	-2.00	1.70
24691	-5.00	1.50	14.00	-500.0	3.30	-2.00	1.70
24692	-5.00	1.50	16.00	-500.0	-2.00	4.60	3.30
24693	-5.00	1.80	12.00	-500.0	-2.00	2.80	3.20
24694	-5.00	1.50	13.00	-500.0	2.80	3.10	3.20
24695	-5.00	1.20	15.00	-500.0	3.40	2.40	3.00
24696	-5.00	1.70	12.00	-500.0	-2.00	-2.00	3.30
24697	-5.00	1.40	11.00	-500.0	-2.00	-2.00	3.10
24698	-5.00	1.10	10.00	-500.0	-2.00	2.10	2.70
24699	-5.00	8.40	18.00	-500.0	-2.00	-2.00	2.20
24700	-5.00	3.20	15.00	-500.0	7.00	4.30	2.30
24701	-5.00	-1.00	15.00	-500.0	2.00	2.60	3.10
24702	-5.00	1.90	15.00	-500.0	-2.00	-2.00	3.10
24703	-5.00	1.30	16.00	-500.0	-2.00	2.60	3.20
24704	-5.00	1.10	17.00	-500.0	2.50	2.20	3.30
24705	-5.00	-1.00	17.00	-500.0	-2.00	2.40	3.50
24706	-5.00	2.10	15.00	-500.0	-2.00	2.40	3.90
24707	-5.00	1.20	13.00	-500.0	-2.00	-2.00	3.50
24708	-5.00	-1.00	6.30	-500.0	-2.00	-2.00	2.00
24709	-5.00	-1.00	1.70	-500.0	-2.00	-2.00	.76
24710	-5.00	-1.00	3.20	-500.0	-2.00	-2.00	1.10
24711	-5.00	1.60	11.00	-500.0	-2.00	2.40	3.40
24712	-5.00	1.40	3.50	-500.0	-2.00	-2.00	1.40
24713	-5.00	1.30	8.20	-500.0	2.70	-2.00	2.10
24714	-5.00	1.20	3.80	-500.0	2.10	2.10	1.60
24715	-5.00	1.80	15.00	-500.0	3.20	-2.00	2.50
24716	-5.00	1.80	13.00	-500.0	-2.00	4.10	3.30
24717	-5.00	2.30	14.00	-500.0	-2.00	3.90	3.00
24718	-5.00	2.80	7.60	-500.0	-2.00	-2.00	3.40
24719	-5.00	1.20	3.20	-500.0	-2.00	-2.00	1.20
24720	-5.00	1.40	2.40	-500.0	6.90	-2.00	1.70

24721	-5.00	1.50	7.10	-500.0	-2.00	-2.00	3.20
24722	-5.00	-1.00	6.10	-500.0	-2.00	-2.00	.90
24723	-5.00	1.10	11.00	-500.0	2.10	-2.00	2.10
24724	-5.00	1.10	5.20	-500.0	-2.00	2.30	2.00
24725	-5.00	2.20	8.70	-500.0	2.70	-2.00	3.00
24726	-5.00	-1.00	18.00	-500.0	-2.00	2.20	2.90
24727	-5.00	3.10	13.00	-500.0	-2.00	-2.00	2.70
24728	-5.00	1.50	11.00	-500.0	2.40	-2.00	2.30
24729	-5.00	1.90	17.00	-500.0	-2.00	2.30	3.40
24731	-5.00	1.80	15.00	-500.0	-2.00	4.00	3.10
24732	-5.00	1.30	3.00	-500.0	-2.00	-2.00	1.40
24733	-5.00	1.30	9.40	-500.0	-2.00	-2.00	2.50
24734	-5.00	1.10	12.00	-500.0	-2.00	2.80	2.60
24735	-5.00	1.30	7.00	-500.0	-2.00	-2.00	2.00
24736	-5.00	-1.00	12.00	-500.0	-2.00	3.70	2.50
24737	-5.00	1.10	2.80	-500.0	-2.00	-2.00	1.70
24738	-5.00	1.70	8.70	-500.0	-2.00	-2.00	2.70
24739	-5.00	-1.00	2.80	-500.0	-2.00	-2.00	1.60
24740	-5.00	3.70	14.00	-500.0	6.50	4.30	2.10
24741	-5.00	2.60	7.10	-500.0	-2.00	-2.00	4.40
24742	-5.00	2.00	7.00	-500.0	-2.00	-2.00	2.70
24743	-5.00	1.20	21.00	-500.0	2.60	4.20	1.50
24744	-5.00	1.30	9.30	-500.0	2.10	-2.00	2.70
24745	-5.00	2.00	28.00	-500.0	-2.00	4.50	5.10
24746	-5.00	1.20	13.00	-500.0	-2.00	-2.00	3.50
24747	-5.00	1.20	17.00	-500.0	2.70	2.40	4.10
24748	-5.00	-1.00	5.90	-500.0	-2.00	-2.00	2.10
24749	-5.00	-1.00	5.70	-500.0	-2.00	-2.00	2.20
24750	-5.00	-1.00	17.00	-500.0	-2.00	3.00	3.90
24751	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.40
24752	-5.00	1.10	9.40	-500.0	-2.00	-2.00	3.10
24753	-5.00	-1.00	7.00	-500.0	-2.00	-2.00	1.70
24754	-5.00	-1.00	10.00	-500.0	3.10	-2.00	2.80
24755	-5.00	-1.00	5.00	-500.0	-2.00	-2.00	2.30
24756	-5.00	1.10	6.80	-500.0	2.30	-2.00	2.50
24757	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	1.70
24758	-5.00	2.50	13.00	-500.0	-2.00	4.10	3.60
24759	-5.00	-1.00	4.70	-500.0	-2.00	-2.00	2.10
24760	-5.00	-1.00	2.00	-500.0	5.50	-2.00	1.80
24761	-5.00	1.30	15.00	-500.0	-2.00	2.80	3.50
24762	-5.00	1.00	15.00	-500.0	-2.00	3.50	2.20
24763	-5.00	3.00	12.00	-500.0	-2.00	-2.00	4.80
24764	-5.00	-1.00	6.70	-500.0	-2.00	-2.00	2.20
24765	-5.00	-1.00	5.20	-500.0	-2.00	-2.00	1.30
24766	-5.00	-1.00	3.20	-500.0	-2.00	-2.00	1.00
24767	-5.00	-1.00	3.30	-500.0	-2.00	-2.00	1.50
24768	-5.00	1.20	5.10	-500.0	-2.00	-2.00	1.80
24769	-5.00	2.80	10.00	-500.0	-2.00	3.10	2.80
24770	-5.00	2.30	9.10	-500.0	-2.00	-2.00	2.60
24771	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	.93
24772	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.00
24773	-5.00	1.30	5.90	-500.0	-2.00	-2.00	2.40
24774	-5.00	-1.00	1.20	-500.0	-2.00	-2.00	.53
24775	-5.00	1.10	5.90	-500.0	2.30	-2.00	2.20
24776	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	.93
24777	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.30
24778	-5.00	-1.00	2.10	-500.0	-2.00	-2.00	.76
24779	-5.00	2.10	17.00	-500.0	3.70	-2.00	2.20
24612×2	-5.00	1.40	9.00	-500.0	-2.00	4.40	2.20
24626×2	-5.00	1.80	13.00	-500.0	-2.00	3.50	2.90
24654×2	-5.00	2.20	5.30	-500.0	-2.00	-2.00	2.20
24667×2	-5.00	1.60	16.00	-500.0	-2.00	2.90	3.70
24695×2	-5.00	1.60	16.00	-500.0	3.40	-2.00	3.10
24708×2	-5.00	1.10	6.70	-500.0	-2.00	-2.00	2.10
24724×2	-5.00	-1.00	5.10	-500.0	-2.00	-2.00	2.00
24743×2	-5.00	-1.00	22.00	-500.0	-2.00	3.90	1.60

24765x2	-5.00	1.40	5.20	-500.0	-2.00	-2.00	1.40

S#	Zn	Zr
24579	-100.0	-500.0
24580	840.0	-500.0
24581	120.0	-500.0
24582	240.0	-500.0
24583	120.0	-500.0
24584	210.0	-500.0
24585	-100.0	-500.0
24586	-100.0	-500.0
24587	-100.0	-500.0
24588	-100.0	-500.0
24589	-100.0	-500.0
24590	-100.0	-500.0
24591	-100.0	-500.0
24592	-100.0	-500.0
24593	-100.0	-500.0
24594	-100.0	-500.0
24595	-100.0	-500.0
24596	-100.0	-500.0
24597	-100.0	-500.0
24598	-100.0	-500.0
24599	-100.0	-500.0
24600	870.0	-500.0
24601	-100.0	-500.0
24602	-100.0	-500.0
24603	-100.0	-500.0
24604	-100.0	-500.0
24605	-100.0	-500.0
24606	440.0	520.0
24607	-100.0	-500.0
24608	-100.0	-500.0
24609	-100.0	-500.0
24610	-100.0	-500.0
24611	-100.0	-500.0
24612	-100.0	-500.0
24613	-100.0	-500.0
24614	160.0	-500.0
24615	-100.0	-500.0
24616	150.0	810.0
24617	-100.0	-500.0
24618	-100.0	-500.0
24619	-100.0	-500.0
24620	120.0	-500.0
24621	-100.0	510.0
24622	-100.0	-500.0
24623	-100.0	-500.0
24624	200.0	690.0
24625	160.0	-500.0
24626	-100.0	-500.0
24627	320.0	-500.0
24628	180.0	-500.0
24629	-100.0	-500.0
24630	-100.0	-500.0
24631	-100.0	-500.0
24632	-100.0	-500.0
24633	-100.0	-500.0
24634	-100.0	-500.0
24635	-100.0	-500.0
24636	190.0	-500.0
24637	770.0	-500.0
24638	-100.0	-500.0
24639	-100.0	-500.0
24640	120.0	-500.0

24641	-100.0	-500.0
24642	-100.0	-500.0
24643	-100.0	-500.0
24644	-100.0	-500.0
24645	-100.0	-500.0
24646	-100.0	-500.0
24647	-100.0	-500.0
24648	-100.0	-500.0
24649	-100.0	-500.0
24650	-100.0	-500.0
24651	-100.0	-500.0
24652	-100.0	-500.0
24653	-100.0	-500.0
24654	-100.0	-500.0
24655	-100.0	-500.0
24656	1400.0	-500.0
24657	-100.0	-500.0
24658	-100.0	-500.0
24659	-100.0	-500.0
24660	840.0	-500.0
24661	-100.0	-500.0
24662	-100.0	-500.0
24663	170.0	670.0
24664	160.0	530.0
24665	1100.0	-500.0
24666	690.0	730.0
24667	140.0	-500.0
24668	-100.0	-500.0
24669	-100.0	-500.0
24670	-100.0	-500.0
24671	-100.0	-500.0
24672	-100.0	-500.0
24673	-100.0	-500.0
24674	-100.0	-500.0
24675	-100.0	-500.0
24676	-100.0	-500.0
24677	-100.0	1600.0
24678	-100.0	-500.0
24679	-100.0	-500.0
24680	840.0	-500.0
24681	-100.0	-500.0
24682	-100.0	-500.0
24683	-100.0	-500.0
24684	120.0	-500.0
24685	-100.0	-500.0
24686	520.0	-500.0
24687	340.0	-500.0
24688	-100.0	-500.0
24689	-100.0	-500.0
24690	-100.0	-500.0
24691	-100.0	-500.0
24692	-100.0	-500.0
24693	-100.0	-500.0
24694	-100.0	-500.0
24695	-100.0	-500.0
24696	-100.0	-500.0
24697	-100.0	-500.0
24698	-100.0	-500.0
24699	180.0	830.0
24700	120.0	-500.0
24701	100.0	-500.0
24702	100.0	-500.0
24703	140.0	-500.0
24704	110.0	-500.0
24705	110.0	-500.0
24706	-100.0	-500.0

424240

24707	-100.0	-500.0
24708	-100.0	-500.0
24709	-100.0	-500.0
24710	-100.0	-500.0
24711	-100.0	-500.0
24712	-100.0	-500.0
24713	-100.0	-500.0
24714	-100.0	-500.0
24715	110.0	-500.0
24716	-100.0	510.0
24717	880.0	-500.0
24718	120.0	-500.0
24719	100.0	-500.0
24720	830.0	-500.0
24721	530.0	-500.0
24722	790.0	-500.0
24723	150.0	-500.0
24724	-100.0	-500.0
24725	-100.0	-500.0
24726	100.0	-500.0
24727	-100.0	-500.0
24728	-100.0	-500.0
24729	310.0	-500.0
24731	130.0	-500.0
24732	210.0	-500.0
24733	-100.0	-500.0
24734	110.0	-500.0
24735	120.0	-500.0
24736	-100.0	-500.0
24737	480.0	-500.0
24738	260.0	-500.0
24739	340.0	-500.0
24740	110.0	-500.0
24741	-100.0	560.0
24742	100.0	-500.0
24743	910.0	610.0
24744	110.0	-500.0
24745	-100.0	-500.0
24746	-100.0	-500.0
24747	-100.0	-500.0
24748	-100.0	-500.0
24749	-100.0	-500.0
24750	-100.0	-500.0
24751	-100.0	-500.0
24752	-100.0	-500.0
24753	-100.0	-500.0
24754	-100.0	-500.0
24755	-100.0	-500.0
24756	-100.0	-500.0
24757	-100.0	-500.0
24758	-100.0	-500.0
24759	-100.0	-500.0
24760	880.0	-500.0
24761	-100.0	-500.0
24762	-100.0	-500.0
24763	100.0	-500.0
24764	-100.0	-500.0
24765	-100.0	-500.0
24766	-100.0	-500.0
24767	-100.0	-500.0
24768	-100.0	-500.0
24769	-100.0	-500.0
24770	-100.0	-500.0
24771	-100.0	-500.0
24772	-100.0	-500.0
24773	-100.0	-500.0

424241

24774	-100.0	-500.0
24775	-100.0	-500.0
24776	-100.0	-500.0
24777	-100.0	-500.0
24778	-100.0	-500.0
24779	-100.0	-500.0
24612x2	-100.0	-500.0
24626x2	-100.0	1300.0
24654x2	-100.0	-500.0
24667x2	130.0	-500.0
24695x2	-100.0	-500.0
24708x2	-100.0	-500.0
24724x2	-100.0	-500.0
24743x2	970.0	600.0
24765x2	-100.0	-500.0

225

424242

REG TASMANIA
BOUQUEREL JOB # 893
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24780	.64	2.30	450.0	-2.00	71.00	17.00	430.0
24781	1.60	-2.00	1700.0	8.00	83.00	10.00	78.0
24782	.63	-2.00	-100.0	4.80	19.00	1.30	74.0
24783	.91	2.10	700.0	6.10	69.00	8.90	120.0
24784	.66	-2.00	-100.0	10.00	33.00	1.50	78.0
24785	.65	-2.00	-100.0	10.00	16.00	1.70	47.0
24788	.69	-2.00	-100.0	8.80	40.00	2.70	170.0
24789	.76	-2.00	-100.0	7.40	45.00	3.50	110.0
24790	1.10	3.00	190.0	8.50	88.00	5.00	140.0
24800	2.90	299.00	490.0	-2.00	29.00	1.20	48.0
24801	.91	5.70	190.0	21.00	100.00	3.10	310.0
24802	.91	2.30	700.0	11.00	130.00	11.00	130.0
24803	1.20	5.80	190.0	3.70	56.00	7.40	53.0
24804	5.70	-2.00	420.0	3.50	94.00	11.00	82.0
24805	1.40	-2.00	400.0	3.40	87.00	7.40	65.0
24806	.51	-2.00	-100.0	4.80	51.00	2.20	21.0
24807	3.10	15.00	450.0	10.00	95.00	8.40	83.0
24808	1.10	2.00	350.0	16.00	190.00	7.90	250.0
24809	1.70	-2.00	-100.0	2.20	50.00	1.90	24.0
24810	.79	-2.00	-100.0	2.50	56.00	1.50	36.0
24811	3.90	22.00	310.0	100.00	383.00	10.00	783.0
24812	5.40	27.00	700.0	7.20	100.00	11.00	72.0
24813	1.00	-2.00	190.0	4.50	48.00	2.10	54.0
24814	2.30	-2.00	500.0	7.10	100.00	8.30	66.0
24815	1.50	-2.00	360.0	5.50	91.00	6.90	42.0
24816	1.80	-2.00	770.0	7.20	120.00	10.00	72.0
24817	9.20	20.00	610.0	25.00	110.00	9.00	87.0
24818	.54	-2.00	-100.0	3.10	46.00	1.20	54.0
24819	.26	-2.00	470.0	-2.00	72.00	17.00	440.0
24820	.58	-2.00	360.0	14.00	130.00	6.50	150.0
24821	3.00	43.00	240.0	21.00	66.00	6.30	360.0
24822	2.70	24.00	220.0	27.00	30.00	6.30	310.0
24823	2.00	25.00	-100.0	62.00	86.00	5.10	380.0
24824	.77	7.30	-100.0	18.00	120.00	6.10	350.0
24825	4.50	52.00	190.0	58.00	92.00	9.40	220.0
24826	7.10	81.00	140.0	7.00	68.00	10.00	200.0
24827	8.80	57.00	-100.0	110.00	37.00	7.20	926.0
24828	5.50	14.00	270.0	15.00	99.00	14.00	230.0
24829	2.70	6.10	310.0	4.50	96.00	8.30	62.0
24830	2.70	6.20	320.0	4.60	96.00	8.40	65.0
24831	5.50	-2.00	340.0	13.00	86.00	8.60	58.0
24832	1.30	-2.00	320.0	6.20	89.00	5.70	42.0
24833	.85	-2.00	-100.0	3.60	15.00	1.40	24.0
24834	1.00	-2.00	-100.0	3.80	28.00	2.00	38.0
24835	1.00	-2.00	-100.0	2.40	13.00	-1.00	12.0
24836	1.20	-2.00	-100.0	2.00	13.00	1.10	53.0
24837	2.20	-2.00	-100.0	10.00	14.00	1.40	19.0
24838	1.30	-2.00	-100.0	4.10	10.00	-1.00	15.0
24839	36.90	120.00	300.0	22.00	100.00	9.40	76.0
24840	.24	2.80	490.0	-2.00	72.00	17.00	440.0
24841	1.30	-2.00	510.0	2.70	89.00	14.00	61.0
24842	.76	-2.00	-100.0	-2.00	26.00	3.70	32.0

24843	1.10	-2.00	120.0	-2.00	29.00	2.50	21.0
24844	8.20	24.00	420.0	73.00	59.00	10.00	430.0
24845	1.90	10.00	190.0	33.00	72.00	11.00	460.0
24846	3.10	37.00	-100.0	84.00	41.00	7.10	984.0
24847	4.90	17.00	-100.0	40.00	80.00	7.30	290.0
24848	7.30	15.00	230.0	3.20	59.00	24.00	280.0
24849	4.80	15.00	200.0	7.50	72.00	12.00	390.0
24850	4.60	17.00	140.0	65.00	55.00	12.00	280.0
24851	2.70	2.70	120.0	14.00	83.00	14.00	250.0
24852	4.10	13.00	-100.0	28.00	82.00	7.90	350.0
24853	2.50	-2.00	-100.0	2.90	40.00	1.80	47.0
24854	3.50	-2.00	180.0	4.40	54.00	2.90	38.0
24855	1.90	-2.00	-100.0	3.10	35.00	-1.00	44.0
24856	1.10	-2.00	-100.0	-2.00	23.00	1.80	12.0
24857	1.10	-2.00	-100.0	2.00	29.00	1.10	37.0
24858	6.70	-2.00	330.0	4.70	140.00	10.00	74.0
24859	8.00	-2.00	460.0	4.60	120.00	8.10	76.0
24860	.26	2.30	370.0	-2.00	75.00	17.00	440.0
24861	2.10	-2.00	290.0	8.40	92.00	6.40	44.0
24862	2.80	-2.00	-100.0	2.90	62.00	1.70	20.0
24863	2.60	-2.00	160.0	2.30	46.00	2.00	38.0
24864	2.20	-2.00	150.0	4.10	49.00	2.30	16.0
24865	5.70	3.70	410.0	5.00	130.00	8.90	75.0
24866	70.40	35.00	1100.0	3.90	49.00	15.00	1190.0
24867	18.00	60.00	350.0	100.00	45.00	12.00	430.0
24868	13.00	33.00	370.0	22.00	88.00	18.00	360.0
24869	17.00	94.00	280.0	37.00	72.00	16.00	310.0
24870	115.00	1280.00	210.0	27.00	51.00	11.00	290.0
24871	82.60	82.00	260.0	12.00	75.00	15.00	380.0
24872	10.00	4.40	-100.0	13.00	-2.00	1.00	3670.0
24873	86.40	50.00	230.0	22.00	56.00	7.50	210.0
24874	62.40	89.00	-100.0	16.00	39.00	11.00	240.0
24875	20.70	17.00	260.0	26.00	58.00	5.30	655.0
24876	49.60	14.00	190.0	25.00	69.00	7.80	130.0
24877	49.50	39.00	290.0	72.00	85.00	12.00	200.0
24878	5.30	5.10	140.0	26.00	85.00	10.00	320.0
24879	1.20	-2.00	-100.0	2.20	39.00	-1.00	17.0
24880	2.90	308.00	550.0	-2.00	28.00	1.10	48.0
24881	.67	-2.00	130.0	-2.00	51.00	1.50	38.0
24882	.76	-2.00	140.0	2.50	65.00	2.90	24.0
24883	.74	-2.00	220.0	7.80	90.00	4.50	54.0
24884	.60	-2.00	140.0	4.50	66.00	2.80	22.0
24885	.94	-2.00	-100.0	5.10	46.00	2.10	40.0
24886	1.50	-2.00	580.0	10.00	110.00	10.00	54.0
24887	1.20	-2.00	170.0	3.80	75.00	3.20	43.0
24888	243.00	358.00	380.0	16.00	50.00	11.00	572.0
24889	162.00	247.00	350.0	23.00	67.00	10.00	726.0
24890	242.00	359.00	460.0	8.30	65.00	8.20	679.0
24801×2	1.10	6.00	230.0	22.00	99.00	3.60	310.0
24815×2	2.30	-2.00	480.0	6.60	99.00	8.50	52.0
24834×2	1.20	-2.00	110.0	4.70	30.00	2.40	18.0
24862×2	2.80	2.40	160.0	3.50	61.00	1.90	43.0
24872×2	9.50	4.70	-100.0	13.00	-2.00	-1.00	3790.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24780	22.00	.91	52.0	8.20	-20.0	4.000	35.00
24781	5.70	1.00	-5.0	4.20	-20.0	1.100	39.00
24782	1.00	-.50	-5.0	2.10	-20.0	.580	9.00
24783	3.10	1.40	-5.0	5.10	-20.0	1.100	32.00
24784	-1.00	-.50	-5.0	6.00	-20.0	.590	16.00
24785	-1.00	-.50	-5.0	3.00	-20.0	.560	8.70
24788	-1.00	.51	-5.0	7.40	-20.0	.340	20.00
24789	-1.00	.59	-5.0	8.00	-20.0	.440	21.00
24790	1.10	1.10	-5.0	10.00	-20.0	.670	42.00
24800	16.00	1.10	250.0	2.70	-20.0	4.500	15.00

24801	6.60	1.70	-5.0	7.70	-20.0	3.300	61.40
24802	3.00	3.20	-5.0	8.70	-20.0	2.500	69.40
24803	14.00	.54	-5.0	6.80	-20.0	1.400	26.00
24804	-1.00	1.20	-5.0	7.50	-20.0	.770	45.00
24805	-1.00	1.20	-5.0	9.30	-20.0	.620	41.00
24806	-1.00	.55	-5.0	6.30	-20.0	.390	24.00
24807	-1.00	.88	5.0	8.60	-20.0	1.300	45.00
24808	1.10	3.20	-5.0	10.00	-20.0	.800	106.00
24809	-1.00	.74	-5.0	10.00	-20.0	.420	23.00
24810	-1.00	.72	-5.0	9.50	-20.0	.470	26.00
24811	-1.00	8.20	-11.0	13.00	-20.0	9.070	190.00
24812	-1.00	1.00	-5.0	10.00	-20.0	1.000	49.00
24813	-1.00	.62	-5.0	6.40	-20.0	.560	23.00
24814	-1.00	1.20	-5.0	10.00	-20.0	.580	49.00
24815	-1.00	1.20	-5.0	8.00	-20.0	.580	44.00
24816	-1.00	1.30	-5.0	8.30	-20.0	.710	56.30
24817	-1.00	.92	-5.0	6.40	-20.0	3.600	62.90
24818	-1.00	-.50	-5.0	5.30	-20.0	.330	25.00
24819	22.00	.89	54.0	8.20	-20.0	4.200	35.00
24820	2.10	2.00	-5.0	10.00	-20.0	.320	65.40
24821	13.00	1.80	-5.0	8.00	-20.0	14.000	32.00
24822	10.00	1.30	-5.0	8.70	-20.0	13.500	13.00
24823	11.00	2.00	-5.0	10.00	-20.0	15.400	41.00
24824	25.00	2.40	-5.0	11.00	-20.0	12.600	60.20
24825	13.00	2.00	-5.0	6.70	-20.0	14.500	42.00
24826	17.00	2.10	-5.0	6.00	-20.0	9.190	31.00
24827	27.00	1.30	-5.0	4.80	-20.0	18.000	17.00
24828	32.00	2.30	-5.0	8.30	-20.0	8.400	44.00
24829	-1.00	.81	-5.0	8.90	-20.0	.850	44.00
24830	-1.00	.82	-5.0	9.00	-20.0	.870	45.00
24831	-1.00	.67	-5.0	7.60	-20.0	.460	42.00
24832	-1.00	1.40	-5.0	11.00	-20.0	.410	41.00
24833	-1.00	-.50	-5.0	11.00	-20.0	.240	5.90
24834	-1.00	-.50	-5.0	8.70	-20.0	.250	13.00
24835	-1.00	-.50	-5.0	7.70	-20.0	.320	5.80
24836	-1.00	-.50	-5.0	7.00	-20.0	.350	5.50
24837	-1.00	-.50	-5.0	6.30	-20.0	.330	5.90
24838	-1.00	-.50	-5.0	5.80	-20.0	.350	4.50
24839	-1.00	1.30	-5.0	10.00	-20.0	2.400	47.00
24840	22.00	1.10	56.0	8.40	-20.0	4.100	36.00
24841	-1.00	1.30	-5.0	6.40	-20.0	.500	40.00
24842	-1.00	.51	-5.0	8.30	-20.0	.380	12.00
24843	-1.00	-.50	-5.0	7.80	-20.0	.290	13.00
24844	17.00	1.30	-5.0	5.90	-20.0	8.960	31.00
24845	3.60	1.00	-5.0	6.60	-20.0	5.130	35.00
24846	15.00	.91	-5.0	6.80	-20.0	11.300	22.00
24847	21.00	1.90	-5.0	8.40	-20.0	8.570	42.00
24848	59.00	1.90	-5.0	8.60	-20.0	5.770	25.00
24849	7.20	1.80	-5.0	9.40	-20.0	10.000	33.00
24850	5.10	1.20	-5.0	8.40	-20.0	11.800	25.00
24851	3.10	2.10	-5.0	10.00	-20.0	.810	39.00
24852	6.70	2.50	-5.0	9.50	-20.0	9.210	37.00
24853	-1.00	.54	-5.0	8.80	-20.0	.330	19.00
24854	-1.00	.82	-5.0	9.30	-20.0	.450	26.00
24855	-1.00	.54	-5.0	11.00	-20.0	.280	18.00
24856	-1.00	.53	-5.0	7.30	-20.0	.300	10.00
24857	-1.00	-.50	-5.0	9.30	-20.0	.260	15.00
24858	-1.00	1.90	-5.0	14.00	-20.0	.570	65.30
24859	-1.00	1.50	-5.0	8.30	-20.0	.620	55.90
24860	22.00	.92	55.0	8.30	-20.0	4.200	36.00
24861	-1.00	1.20	-5.0	9.30	-20.0	.570	42.00
24862	-1.00	.90	-5.0	9.40	-20.0	.350	29.00
24863	-1.00	.78	-5.0	7.50	-20.0	.350	22.00
24864	-1.00	.81	-5.0	6.30	-20.0	.310	23.00
24865	-1.00	1.60	-5.0	12.00	-20.0	.620	60.10
24866	253.00	1.50	-5.0	1.80	-20.0	16.700	10.00

24867	34.00	2.40	-5.0	4.40	-20.0	14.500	27.00
24868	2.40	1.40	-5.0	6.70	-20.0	3.500	45.00
24869	4.00	1.10	-5.0	5.80	-20.0	7.950	36.00
24870	10.00	1.90	-5.0	5.40	-20.0	15.100	28.00
24871	2.90	1.20	-5.0	5.40	-20.0	4.200	38.00
24872	84.00	-.50	-5.0	-1.00	-20.0	8.260	1.10
24873	11.00	1.80	-5.0	7.40	-20.0	16.500	31.00
24874	12.00	2.50	-5.0	6.40	-20.0	21.000	21.00
24875	30.00	1.70	-5.0	9.20	-20.0	11.500	27.00
24876	3.40	1.30	-5.0	7.80	-20.0	4.400	34.00
24877	14.00	2.00	12.0	8.20	-20.0	9.770	44.00
24878	4.00	2.10	-5.0	11.00	-20.0	4.000	46.00
24879	-1.00	.54	-5.0	8.70	-20.0	.380	19.00
24880	16.00	1.10	240.0	2.70	-20.0	4.600	15.00
24881	-1.00	.64	-5.0	7.80	-20.0	.420	24.00
24882	-1.00	1.00	-5.0	8.80	-20.0	.410	30.00
24883	1.00	1.10	-5.0	9.20	-20.0	.430	42.00
24884	-1.00	.92	-5.0	10.00	-20.0	.310	32.00
24885	-1.00	.69	-5.0	6.80	-20.0	.400	22.00
24886	1.30	1.70	-5.0	8.80	-20.0	.700	51.40
24887	-1.00	1.30	-5.0	16.00	-20.0	.500	35.00
24888	100.00	2.40	-5.0	4.30	-20.0	17.300	19.00
24889	80.00	3.70	-5.0	3.70	-20.0	17.000	22.00
24890	70.00	2.80	-5.0	5.10	-20.0	13.300	26.00
24801x2	7.10	1.50	-5.0	8.10	-20.0	3.300	62.60
24815x2	-1.00	1.60	-5.0	11.00	-20.0	.550	48.00
24834x2	-1.00	.56	-5.0	10.00	-20.0	.250	14.00
24862x2	-1.00	.95	-5.0	9.40	-20.0	.370	29.00
24872x2	84.00	-.50	-5.0	-1.00	-20.0	8.210	1.10

S#	Lu	Mo	K	Rb	Sm	Sc	Se
24780	.42	-5.0	1.900	180.0	7.20	11.30	-5.0
24781	.44	-5.0	3.800	180.0	5.60	18.10	-5.0
24782	-.20	-5.0	.250	-20.0	1.10	1.10	-5.0
24783	.54	-5.0	1.900	79.0	6.80	18.40	-5.0
24784	.27	-5.0	.430	-20.0	2.30	2.20	-5.0
24785	-.20	-5.0	.250	-20.0	1.10	1.50	-5.0
24788	.32	-5.0	.290	-20.0	3.20	2.90	-5.0
24789	.36	-5.0	.360	27.0	3.60	4.00	-5.0
24790	.59	-5.0	.440	43.0	6.90	6.90	-5.0
24800	.34	-5.0	1.900	46.0	4.20	13.00	-5.0
24801	.42	-5.0	.660	26.0	6.80	13.20	-5.0
24802	.58	-5.0	2.000	94.0	13.00	17.40	-5.0
24803	.42	-5.0	.860	52.0	4.60	4.30	-5.0
24804	.76	-5.0	3.300	160.0	8.00	12.20	-5.0
24805	.70	-5.0	2.400	120.0	7.20	8.70	-5.0
24806	.38	-5.0	.310	27.0	4.10	2.90	-5.0
24807	.67	-5.0	2.100	100.0	7.20	10.00	-5.0
24808	.46	-5.0	1.200	48.0	12.00	25.90	-5.0
24809	.50	-5.0	.690	33.0	4.40	3.10	-5.0
24810	.50	-5.0	.600	24.0	4.70	2.80	-5.0
24811	.65	-5.0	.650	41.0	31.10	71.90	-5.0
24812	.80	-5.0	3.400	160.0	8.20	11.80	-5.0
24813	.42	-5.0	1.200	61.0	3.90	4.50	-5.0
24814	.83	-5.0	2.500	140.0	9.10	10.70	-5.0
24815	.68	-5.0	2.300	120.0	7.80	10.00	-5.0
24816	.83	-5.0	3.900	180.0	10.00	14.50	-5.0
24817	.61	-5.0	3.300	180.0	5.90	11.60	-5.0
24818	.24	-5.0	-.200	-20.0	3.10	2.10	-5.0
24819	.42	-5.0	2.000	190.0	7.20	11.40	-5.0
24820	.71	-5.0	1.900	83.0	9.20	14.70	-5.0
24821	.62	-5.0	1.300	76.0	8.50	36.90	-5.0
24822	.53	-5.0	.840	60.0	4.90	46.50	-5.0
24823	.71	-5.0	.380	41.0	10.00	36.40	-5.0
24824	.76	-5.0	.720	37.0	12.00	34.80	-5.0

24825	.67	-5.0	1.900	110.0	10.00	34.50	-5.0
24826	.55	-5.0	2.300	200.0	9.10	37.50	-5.0
24827	.40	-5.0	-.200	23.0	5.70	42.60	-5.0
24828	.71	-5.0	1.600	68.0	10.00	32.60	-5.0
24829	.73	-5.0	3.100	130.0	7.80	10.40	-5.0
24830	.73	-5.0	.000	140.0	7.90	10.50	-5.0
24831	.61	-5.0	2.600	120.0	6.10	9.00	-5.0
24832	.78	-5.0	2.700	120.0	7.80	8.90	-5.0
24833	.46	-5.0	.480	21.0	1.60	2.50	-5.0
24834	.42	-5.0	.560	31.0	2.50	2.70	-5.0
24835	.35	-5.0	.270	-20.0	1.40	1.80	-5.0
24836	.36	-5.0	.310	-20.0	1.30	1.90	-5.0
24837	.31	-5.0	.540	25.0	1.40	2.30	-5.0
24838	.25	-5.0	.260	-20.0	1.00	1.30	-5.0
24839	.59	-5.0	3.100	110.0	9.10	12.60	-5.0
24840	.43	-5.0	1.800	200.0	7.30	11.40	-5.0
24841	.75	-5.0	3.400	180.0	7.60	14.40	-5.0
24842	.43	-5.0	.820	39.0	2.20	3.00	-5.0
24843	.41	-5.0	.640	31.0	2.60	2.70	-5.0
24844	.49	-5.0	1.300	110.0	6.10	24.50	-5.0
24845	.47	-5.0	.750	53.0	5.80	16.50	-5.0
24846	.49	-5.0	.830	41.0	4.60	35.40	-5.0
24847	.61	-5.0	1.100	90.0	9.00	28.60	-5.0
24848	.78	-5.0	2.100	130.0	7.50	33.40	-5.0
24849	.66	-5.0	2.100	170.0	7.90	38.60	-5.0
24850	.80	-5.0	1.700	92.0	6.70	44.50	-5.0
24851	.90	-5.0	1.200	58.0	8.30	35.10	-5.0
24852	.80	-5.0	.690	53.0	10.00	36.00	-5.0
24853	.39	-5.0	.680	41.0	3.10	3.60	-5.0
24854	.49	-5.0	1.300	69.0	4.40	5.40	-5.0
24855	.47	-5.0	.370	23.0	2.70	2.70	-5.0
24856	.37	-5.0	.750	40.0	2.20	2.70	-5.0
24857	.39	-5.0	.360	27.0	2.20	2.30	-5.0
24858	1.00	-5.0	4.000	200.0	11.00	14.90	-5.0
24859	.83	-5.0	3.700	180.0	10.00	14.10	-5.0
24860	.43	-5.0	1.400	190.0	7.30	11.60	-5.0
24861	.80	-5.0	2.800	130.0	7.90	10.10	-5.0
24862	.54	-5.0	.720	48.0	5.20	3.80	-5.0
24863	.40	-5.0	.740	39.0	3.80	2.80	-5.0
24864	.38	-5.0	1.100	48.0	4.00	3.20	-5.0
24865	.89	-5.0	4.000	170.0	11.00	12.80	-5.0
24866	.44	-5.0	3.000	180.0	4.70	75.00	-5.0
24867	.60	-5.0	1.600	110.0	10.00	51.80	-5.0
24868	.49	-5.0	2.300	140.0	6.90	20.10	-5.0
24869	.48	-5.0	2.100	150.0	6.20	26.10	-5.0
24870	.52	-5.0	1.300	88.0	5.50	16.60	-5.0
24871	.52	-5.0	4.000	370.0	6.00	23.90	-5.0
24872	-.20	-5.0	-.200	-20.0	.33	22.00	-5.0
24873	.58	-5.0	1.700	130.0	6.80	29.10	-5.0
24874	.56	-5.0	2.500	230.0	8.10	41.40	-5.0
24875	.60	-5.0	.320	56.0	7.20	45.40	-5.0
24876	.60	-5.0	2.100	130.0	6.80	18.60	-5.0
24877	.61	-5.0	2.000	170.0	9.30	25.80	-5.0
24878	.84	-5.0	2.900	120.0	10.00	32.70	-5.0
24879	.37	-5.0	-.200	-20.0	3.60	1.70	-5.0
24880	.35	-5.0	1.900	43.0	4.30	13.20	-5.0
24881	.43	-5.0	.770	41.0	4.50	3.40	-5.0
24882	.52	-5.0	1.100	61.0	5.80	4.80	-5.0
24883	.71	-5.0	2.400	100.0	8.00	9.20	-5.0
24884	.59	-5.0	1.100	56.0	6.10	4.90	-5.0
24885	.36	-5.0	.580	33.0	4.10	2.90	-5.0
24886	.80	-5.0	3.800	190.0	10.00	14.20	-5.0
24887	.64	-5.0	1.400	66.0	8.00	4.90	-5.0
24888	.49	-5.0	2.800	190.0	5.10	33.40	-5.0
24889	.42	-5.0	2.400	160.0	6.10	40.80	-5.0
24890	.55	-5.0	2.900	200.0	6.10	30.10	-5.0

24801×2	.40	-5.0	.640	35.0	7.00	13.30	-5.0
24815×2	.76	-5.0	2.500	130.0	9.10	10.60	-5.0
24834×2	.46	-5.0	.860	40.0	2.80	3.10	-5.0
24862×2	.57	-5.0	.890	38.0	5.20	3.80	-5.0
24872×2	-.20	-5.0	-.200	-20.0	.34	21.30	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
24780	-5.00	2.70	13.00	-500.0	7.30	4.00	2.10
24781	-5.00	1.50	16.00	-500.0	-2.00	-2.00	2.10
24782	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	.55
24783	-5.00	2.40	5.60	-500.0	-2.00	-2.00	2.80
24784	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.40
24785	-5.00	-1.00	2.30	-500.0	-2.00	-2.00	.51
24788	-5.00	-1.00	4.50	-500.0	-2.00	-2.00	1.60
24789	-5.00	-1.00	4.80	-500.0	-2.00	-2.00	1.80
24790	-5.00	2.00	9.30	-500.0	-2.00	2.00	3.00
24800	-5.00	1.10	1.70	-500.0	-2.00	-2.00	1.80
24801	-5.00	4.60	12.00	-500.0	-2.00	-2.00	1.90
24802	-5.00	4.40	15.00	-500.0	-2.00	-2.00	2.80
24803	-5.00	-1.00	6.90	-500.0	-2.00	-2.00	2.20
24804	-5.00	-1.00	16.00	-500.0	-2.00	3.30	3.90
24805	-5.00	1.70	12.00	-500.0	-2.00	-2.00	3.50
24806	-5.00	1.50	5.90	-500.0	2.20	-2.00	2.00
24807	-5.00	1.30	14.00	-500.0	2.50	-2.00	3.30
24808	-5.00	9.10	16.00	-500.0	-2.00	-2.00	2.30
24809	-5.00	1.40	6.40	-500.0	-2.00	-2.00	2.50
24810	-5.00	1.20	5.90	-500.0	-2.00	-2.00	2.40
24811	-5.00	12.00	33.00	-500.0	-2.00	3.60	3.20
24812	-5.00	1.90	15.00	-500.0	-2.00	-2.00	3.90
24813	-5.00	-1.00	6.70	-500.0	-2.00	-2.00	2.10
24814	-5.00	1.80	14.00	-500.0	-2.00	-2.00	4.10
24815	-5.00	1.40	13.00	-500.0	-2.00	-2.00	3.20
24816	-5.00	1.70	19.00	-500.0	-2.00	2.20	4.00
24817	-5.00	1.70	17.00	-500.0	-2.00	-2.00	3.00
24818	-5.00	1.50	3.70	-500.0	-2.00	-2.00	1.30
24819	-5.00	3.50	14.00	-500.0	-2.00	3.30	2.10
24820	-5.00	3.80	16.00	-500.0	-2.00	2.50	3.30
24821	-5.00	2.80	6.60	-500.0	-2.00	-2.00	3.40
24822	-5.00	2.80	6.40	-500.0	-2.00	-2.00	3.10
24823	-5.00	3.60	11.00	-500.0	-2.00	-2.00	4.10
24824	-5.00	3.40	10.00	-500.0	-2.00	-2.00	4.00
24825	-5.00	2.30	9.30	-500.0	-2.00	-2.00	3.40
24826	-5.00	1.80	6.30	-500.0	-2.00	-2.00	3.10
24827	-5.00	2.20	4.30	-500.0	-2.00	-2.00	2.40
24828	-5.00	2.70	9.10	-500.0	-2.00	-2.00	3.80
24829	-5.00	1.30	11.00	-500.0	-2.00	2.10	3.50
24830	-5.00	1.30	11.00	-500.0	-2.00	2.10	3.60
24831	-5.00	2.20	12.00	-500.0	-2.00	2.20	3.30
24832	-5.00	1.50	10.00	-500.0	-2.00	-2.00	3.80
24833	-5.00	-1.00	3.60	-500.0	-2.00	-2.00	2.30
24834	-5.00	-1.00	4.00	-500.0	-2.00	-2.00	2.10
24835	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	1.70
24836	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.90
24837	-5.00	-1.00	3.20	-500.0	-2.00	-2.00	1.60
24838	-5.00	-1.00	2.10	-500.0	-2.00	-2.00	1.20
24839	-5.00	1.60	17.00	-500.0	-2.00	-2.00	2.70
24840	-5.00	2.20	14.00	-500.0	5.70	4.50	2.10
24841	-5.00	1.40	14.00	-500.0	-2.00	3.40	3.80
24842	-5.00	1.20	3.40	-500.0	-2.00	-2.00	2.20
24843	-5.00	-1.00	4.30	-500.0	-2.00	-2.00	2.00
24844	-5.00	2.60	7.40	-500.0	-2.00	3.10	2.60
24845	-5.00	2.40	8.30	-500.0	-2.00	-2.00	2.30
24846	-5.00	2.40	7.90	-500.0	-2.00	-2.00	2.30
24847	-5.00	2.40	8.80	-500.0	-2.00	-2.00	3.20
24848	-5.00	4.30	8.90	-500.0	-2.00	-2.00	4.10

24849	-5.00	3.30	10.00	-500.0	-2.00	2.20	3.40
24850	-5.00	2.70	10.00	-500.0	-2.00	-2.00	3.90
24851	-5.00	3.30	10.00	-500.0	-2.00	-2.00	4.70
24852	-5.00	3.20	8.70	-500.0	-2.00	-2.00	4.20
24853	-5.00	-1.00	4.80	-500.0	-2.00	-2.00	2.10
24854	-5.00	1.50	7.00	-500.0	-2.00	2.20	2.50
24855	-5.00	1.00	4.70	-500.0	-2.00	2.10	2.30
24856	-5.00	-1.00	3.80	-500.0	-2.00	-2.00	1.90
24857	-5.00	-1.00	4.50	-500.0	-2.00	-2.00	2.00
24858	-5.00	1.40	20.00	-500.0	4.10	2.10	4.70
24859	-5.00	2.00	17.00	-500.0	-2.00	-2.00	4.10
24860	-5.00	4.30	14.00	-500.0	5.10	4.50	2.40
24861	-5.00	1.20	13.00	-500.0	-2.00	2.90	4.00
24862	-5.00	-1.00	7.70	-500.0	-2.00	2.30	2.90
24863	-5.00	1.20	5.40	-500.0	-2.00	-2.00	2.10
24864	-5.00	-1.00	5.40	-500.0	-2.00	-2.00	1.90
24865	-5.00	1.90	18.00	-500.0	-2.00	3.20	4.70
24866	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	2.70
24867	-5.00	2.50	6.60	-500.0	-2.00	-2.00	3.50
24868	-5.00	2.30	12.00	-500.0	-2.00	2.90	2.60
24869	-5.00	1.70	13.00	-500.0	-2.00	2.10	2.60
24870	-5.00	1.00	9.20	-500.0	-2.00	-2.00	1.60
24871	-5.00	1.30	12.00	-500.0	-2.00	-2.00	2.10
24872	-5.00	-1.00	.65	-500.0	-2.00	-2.00	-.50
24873	-5.00	2.00	8.30	-500.0	-2.00	-2.00	3.00
24874	-5.00	1.20	7.20	-500.0	-2.00	-2.00	3.00
24875	-5.00	3.20	8.00	-500.0	-2.00	-2.00	3.60
24876	-5.00	1.90	10.00	-500.0	-2.00	-2.00	3.30
24877	-5.00	3.50	11.00	-500.0	-2.00	-2.00	3.30
24878	-5.00	3.60	11.00	-500.0	-2.00	-2.00	4.20
24879	-5.00	1.30	4.30	-500.0	-2.00	-2.00	1.90
24880	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.70
24881	-5.00	-1.00	5.90	-500.0	2.30	-2.00	2.20
24882	-5.00	1.60	7.90	-500.0	-2.00	-2.00	2.80
24883	-5.00	-1.00	12.00	-500.0	2.80	2.20	3.70
24884	-5.00	1.20	8.20	-500.0	-2.00	-2.00	3.10
24885	-5.00	-1.00	5.40	-500.0	-2.00	-2.00	1.80
24886	-5.00	1.40	16.00	-500.0	-2.00	2.60	4.10
24887	-5.00	-1.00	8.10	-500.0	-2.00	-2.00	3.20
24888	-5.00	2.00	5.40	-500.0	-2.00	-2.00	2.40
24889	-5.00	1.80	5.30	-500.0	-2.00	-2.00	2.20
24890	-5.00	1.60	8.60	-500.0	5.80	-2.00	2.50
24801x2	-5.00	5.00	12.00	-500.0	-2.00	-2.00	2.00
24815x2	-5.00	1.70	14.00	-500.0	-2.00	3.70	4.00
24834x2	-5.00	1.10	4.80	-500.0	-2.00	2.10	2.40
24862x2	-5.00	-1.00	7.60	-500.0	2.00	-2.00	2.80
24872x2	-5.00	-1.00	.51	-500.0	-2.00	-2.00	-.50

S#	Zn	Zr
24780	110.0	-500.0
24781	-100.0	-500.0
24782	-100.0	-500.0
24783	-100.0	-500.0
24784	-100.0	-500.0
24785	-100.0	-500.0
24788	-100.0	-500.0
24789	-100.0	-500.0
24790	-100.0	-500.0
24800	870.0	-500.0
24801	-100.0	-500.0
24802	-100.0	-500.0
24803	-100.0	-500.0
24804	-100.0	-500.0
24805	-100.0	-500.0
24806	-100.0	-500.0

4242484

24807	-100.0	-500.0
24808	-100.0	760.0
24809	-100.0	-500.0
24810	-100.0	-500.0
24811	170.0	1400.0
24812	-100.0	-500.0
24813	-100.0	-500.0
24814	-100.0	-500.0
24815	-100.0	-500.0
24816	-100.0	-500.0
24817	-100.0	-500.0
24818	-100.0	-500.0
24819	110.0	-500.0
24820	-100.0	-500.0
24821	240.0	-500.0
24822	300.0	-500.0
24823	240.0	-500.0
24824	340.0	540.0
24825	350.0	-500.0
24826	400.0	-500.0
24827	430.0	-500.0
24828	560.0	-500.0
24829	-100.0	-500.0
24830	-100.0	-500.0
24831	-100.0	-500.0
24832	-100.0	-500.0
24833	-100.0	-500.0
24834	-100.0	-500.0
24835	-100.0	-500.0
24836	-100.0	-500.0
24837	-100.0	-500.0
24838	-100.0	-500.0
24839	-100.0	600.0
24840	120.0	-500.0
24841	-100.0	-500.0
24842	-100.0	-500.0
24843	-100.0	-500.0
24844	200.0	560.0
24845	-100.0	-500.0
24846	150.0	-500.0
24847	190.0	-500.0
24848	460.0	-500.0
24849	200.0	-500.0
24850	240.0	-500.0
24851	140.0	660.0
24852	230.0	630.0
24853	-100.0	-500.0
24854	-100.0	-500.0
24855	-100.0	-500.0
24856	-100.0	-500.0
24857	-100.0	-500.0
24858	-100.0	530.0
24859	-100.0	610.0
24860	130.0	-500.0
24861	-100.0	-500.0
24862	-100.0	-500.0
24863	-100.0	-500.0
24864	-100.0	-500.0
24865	-100.0	580.0
24866	1400.0	-500.0
24867	500.0	-500.0
24868	100.0	-500.0
24869	210.0	-500.0
24870	920.0	-500.0
24871	220.0	-500.0
24872	140.0	-500.0

424249

24873	330.0	-500.0
24874	620.0	-500.0
24875	750.0	610.0
24876	120.0	-500.0
24877	200.0	740.0
24878	110.0	780.0
24879	-100.0	-500.0
24880	870.0	-500.0
24881	-100.0	-500.0
24882	-100.0	-500.0
24883	-100.0	-500.0
24884	-100.0	-500.0
24885	-100.0	-500.0
24886	-100.0	-500.0
24887	-100.0	630.0
24888	1500.0	-500.0
24889	1400.0	-500.0
24890	950.0	-500.0
24801x2	-100.0	650.0
24815x2	-100.0	-500.0
24834x2	-100.0	-500.0
24862x2	-100.0	-500.0
24872x2	170.0	-500.0

424250

RSC TASMANIA
BOUQUEREL JOB # 898
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24891	102.00	393.00	460.0	12.00	73.00	8.80	380.0
24892	278.00	697.00	120.0	41.00	37.00	3.20	450.0
24893	322.00	466.00	-100.0	40.00	51.00	5.70	310.0
24894	38.80	17.00	400.0	-2.00	80.00	16.00	210.0
24895	81.10	72.00	290.0	18.00	64.00	14.00	240.0
24896	267.00	64.00	320.0	11.00	45.00	16.00	250.0
24897	49.90	52.00	270.0	16.00	81.00	20.00	250.0
24898	19.00	43.00	330.0	-2.00	100.00	19.00	150.0
24899	5.20	34.00	260.0	17.00	81.00	18.00	190.0
24900	-.20	2.50	540.0	-2.00	73.00	17.00	450.0
24901	2.30	-2.00	390.0	4.00	79.00	4.20	55.0
24902	1.00	-2.00	-100.0	2.30	34.00	-1.00	59.0
24903	1.40	-2.00	280.0	3.20	70.00	3.50	36.0
24904	1.30	-2.00	-100.0	4.30	45.00	-1.00	44.0
24905	.60	-2.00	110.0	2.70	50.00	1.40	24.0
24906	2.60	18.00	270.0	55.00	100.00	6.80	250.0
24907	1.30	-2.00	-100.0	2.90	35.00	-1.00	65.0
24908	2.10	10.00	1200.0	4.90	62.00	15.00	320.0
24909	.81	-2.00	350.0	2.10	65.00	3.70	77.0
24910	.61	-2.00	470.0	4.70	79.00	5.80	49.0
24911	1.00	-2.00	390.0	3.80	68.00	5.70	47.0
24912	.59	-2.00	210.0	3.30	73.00	4.40	55.0
24913	.86	8.40	2600.0	50.00	170.00	5.60	360.0
24914	1.00	9.00	2700.0	150.00	160.00	6.40	380.0
24915	.88	9.10	1000.0	140.00	208.00	5.20	390.0
24916	1.10	6.00	580.0	110.00	225.00	3.30	230.0
24917	.70	7.20	290.0	94.00	202.00	4.20	210.0
24918	1.70	8.70	630.0	38.00	140.00	5.70	100.0
24919	1.60	13.00	480.0	42.00	150.00	6.20	200.0
24920	.29	3.40	420.0	-2.00	70.00	17.00	440.0
24931	.59	-2.00	210.0	2.70	46.00	3.00	27.0
24932	.53	-2.00	-100.0	-2.00	30.00	1.50	40.0
24933	1.20	7.10	490.0	14.00	257.00	11.00	260.0
24934	2.30	-2.00	630.0	5.90	275.00	14.00	370.0
24935	.91	-2.00	100.0	2.20	35.00	2.00	18.0
24936	.43	-2.00	-100.0	-2.00	31.00	-1.00	51.0
24937	.49	-2.00	-100.0	3.10	36.00	-1.00	14.0
24938	.61	-2.00	150.0	3.10	93.00	5.30	64.0
24939	1.00	-2.00	430.0	3.20	110.00	7.60	57.0
24940	3.00	314.00	480.0	-2.00	31.00	-1.00	57.0
24941	5.30	8.60	290.0	6.10	120.00	8.50	71.0
24942	.74	10.00	130.0	15.00	110.00	1.10	290.0
24943	3.00	23.00	480.0	-2.00	120.00	12.00	240.0
24944	1.30	6.10	400.0	4.60	200.00	16.00	330.0
24945	1.70	2.90	710.0	-2.00	120.00	14.00	74.0
24946	3.50	5.90	1000.0	6.30	110.00	11.00	100.0
24947	1.60	10.00	340.0	11.00	200.00	10.00	240.0
24948	2.40	6.50	220.0	3.60	140.00	8.90	280.0
24949	6.20	25.00	840.0	-2.00	263.00	4.30	190.0
24950	2.90	4.30	150.0	13.00	200.00	4.70	230.0
24951	.79	4.20	110.0	65.00	130.00	5.10	200.0
24952	1.10	6.00	220.0	16.00	130.00	5.80	67.0

24953	1.40	8.40	180.0	41.00	170.00	6.30	96.0
24954	5.40	23.00	230.0	72.00	190.00	6.20	270.0
24955	7.80	12.00	240.0	67.00	160.00	5.40	300.0
24956	1.50	5.00	640.0	41.00	130.00	2.90	270.0
24957	3.40	11.00	330.0	90.00	205.00	4.60	240.0
24958	3.50	17.00	270.0	71.00	170.00	10.00	260.0
24959	16.00	50.00	700.0	38.00	120.00	7.30	270.0
24960	2.80	308.00	520.0	-2.00	28.00	1.20	52.0
24961	12.00	40.00	430.0	25.00	100.00	8.40	190.0
24962	4.80	11.00	280.0	9.00	85.00	5.90	46.0
24963	2.20	10.00	270.0	34.00	88.00	3.70	120.0
24964	2.10	4.60	200.0	4.80	49.00	3.30	30.0
24965	1.20	-2.00	170.0	2.20	32.00	3.90	53.0
24966	1.80	5.50	120.0	5.20	63.00	5.40	43.0
24967	4.30	24.00	120.0	21.00	88.00	5.70	150.0
24968	4.70	25.00	-100.0	34.00	80.00	5.80	160.0
24969	4.80	79.00	240.0	46.00	63.00	5.10	170.0
24970	4.30	21.00	130.0	40.00	74.00	6.60	170.0
24971	7.60	27.00	-100.0	50.00	75.00	5.30	180.0
24972	2.50	11.00	170.0	63.00	59.00	9.20	220.0
24973	4.70	18.00	-100.0	41.00	120.00	11.00	210.0
24974	14.00	160.00	110.0	46.00	91.00	8.00	160.0
24975	6.50	83.00	180.0	36.00	84.00	10.00	180.0
24976	2.30	16.00	-100.0	46.00	44.00	6.10	170.0
24977	1.10	6.70	370.0	27.00	69.00	11.00	120.0
24978	2.70	25.00	170.0	40.00	79.00	13.00	170.0
24979	4.30	52.00	130.0	64.00	14.00	12.00	531.0
24980	-.20	2.70	420.0	-2.00	65.00	17.00	470.0
24981	3.60	47.00	230.0	34.00	7.10	15.00	549.0
24982	2.60	27.00	190.0	41.00	13.00	10.00	506.0
24983	3.10	16.00	170.0	16.00	57.00	5.50	260.0
24984	3.70	7.30	220.0	15.00	73.00	4.70	160.0
24985	5.20	27.00	-100.0	50.00	21.00	7.60	340.0
24986	2.30	17.00	220.0	23.00	17.00	8.50	721.0
24987	2.70	25.00	650.0	6.40	7.90	9.40	440.0
24988	7.00	55.00	560.0	35.00	79.00	6.90	250.0
24989	16.00	180.00	-100.0	55.00	14.00	3.20	1100.0
24990	10.00	110.00	110.0	38.00	79.00	8.70	200.0
24991	5.30	48.00	250.0	4.10	48.00	8.70	140.0
24992	5.70	51.00	270.0	80.00	94.00	13.00	240.0
24993	5.30	45.00	240.0	42.00	75.00	11.00	270.0
24994	7.40	62.00	190.0	65.00	64.00	9.50	270.0
24995	5.90	32.00	530.0	30.00	140.00	10.00	100.0
24996	7.30	22.00	-100.0	42.00	75.00	5.20	410.0
24997	2.70	10.00	-100.0	23.00	49.00	5.40	240.0
24998	18.00	86.00	190.0	25.00	57.00	7.80	220.0
24999	3.80	19.00	430.0	17.00	57.00	8.90	190.0
25000	2.70	299.00	460.0	-2.00	28.00	-1.00	49.0
24896x2	270.00	66.00	300.0	12.00	42.00	16.00	250.0
24911x2	1.00	-2.00	390.0	3.40	62.00	6.90	60.0
24942x2	.78	10.00	170.0	17.00	120.00	2.30	300.0
24998x2	19.00	88.00	160.0	24.00	58.00	7.10	230.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24891	19.00	1.30	-5.0	9.40	-20.0	10.000	36.00
24892	35.00	2.20	-5.0	3.20	-20.0	25.900	20.00
24893	115.00	1.60	-5.0	4.30	-20.0	20.300	23.00
24894	94.00	1.20	-5.0	4.50	-20.0	9.340	29.00
24895	4.50	1.20	-5.0	5.50	-20.0	10.600	31.00
24896	2.40	.77	-5.0	5.00	-20.0	5.100	22.00
24897	2.50	1.40	-5.0	5.40	-20.0	5.400	38.00
24898	13.00	2.00	-5.0	6.20	-20.0	8.050	46.00
24899	17.00	1.80	-5.0	7.60	-20.0	13.500	41.00
24900	22.00	.83	51.0	8.50	-20.0	4.200	36.00
24901	-1.00	.81	-5.0	8.90	-20.0	.400	37.00

24902	-1.00	-.50	-5.0	6.40	-20.0	.340	16.00
24903	-1.00	.85	-5.0	7.40	-20.0	.370	33.00
24904	-1.00	-.50	-5.0	7.50	-20.0	.260	21.00
24905	-1.00	.56	-5.0	6.20	-20.0	.260	25.00
24906	4.40	1.50	-5.0	6.50	-20.0	10.200	63.70
24907	-1.00	-.50	-5.0	5.60	-20.0	.400	18.00
24908	75.00	1.30	-5.0	6.50	-20.0	4.900	32.00
24909	-1.00	.76	-5.0	6.30	-20.0	.530	31.00
24910	-1.00	.83	-5.0	7.40	-20.0	.680	38.00
24911	-1.00	.61	-5.0	7.40	-20.0	.750	34.00
24912	-1.00	.72	-5.0	6.80	-20.0	.490	35.00
24913	54.00	2.50	-5.0	7.70	-20.0	8.330	101.00
24914	12.00	2.20	-5.0	8.70	-20.0	9.520	86.90
24915	9.00	3.80	-5.0	8.90	-20.0	11.600	117.00
24916	1.40	3.60	-5.0	11.00	-20.0	5.660	127.00
24917	-1.00	2.80	-5.0	12.00	-20.0	5.120	110.00
24918	1.10	1.70	-5.0	9.20	-20.0	3.000	66.80
24919	4.40	2.50	-5.0	11.00	-20.0	6.970	77.70
24920	21.00	.86	54.0	8.30	-20.0	4.200	35.00
24931	-1.00	.65	-5.0	7.10	-20.0	.390	21.00
24932	-1.00	-.50	-5.0	5.90	-20.0	.480	13.00
24933	4.00	4.20	-5.0	9.20	-20.0	1.200	138.00
24934	-1.00	4.40	-5.0	10.00	-20.0	.460	142.00
24935	-1.00	.52	-5.0	5.50	-20.0	.370	16.00
24936	-1.00	-.50	-5.0	3.90	-20.0	.380	15.00
24937	-1.00	-.50	-5.0	5.30	-20.0	.450	18.00
24938	1.10	.90	-5.0	6.70	-20.0	.650	44.00
24939	-1.00	1.30	-5.0	10.00	-20.0	.640	52.20
24940	17.00	.90	340.0	2.70	-20.0	4.700	15.00
24941	-1.00	1.40	-5.0	6.70	-20.0	.770	58.20
24942	41.00	3.70	-5.0	10.00	-20.0	7.710	66.40
24943	38.00	3.70	-5.0	9.50	-20.0	9.350	65.00
24944	24.00	3.80	-5.0	8.60	-20.0	7.030	141.00
24945	1.20	1.40	-5.0	8.70	-20.0	.890	64.50
24946	1.20	1.40	-5.0	8.10	-20.0	2.200	57.60
24947	28.00	6.60	-5.0	14.00	-20.0	8.880	118.00
24948	21.00	4.10	-5.0	14.00	-20.0	11.400	70.60
24949	450.00	6.60	-5.0	14.00	-20.0	11.000	120.00
24950	76.00	5.00	-5.0	15.00	-20.0	11.600	91.40
24951	22.00	3.40	-5.0	11.00	-20.0	10.100	91.60
24952	-1.00	1.80	-5.0	11.00	-20.0	1.200	70.40
24953	1.80	2.30	-5.0	12.00	-20.0	3.200	101.00
24954	52.00	3.90	-5.0	11.00	-20.0	12.600	119.00
24955	75.00	2.60	-5.0	10.00	-20.0	10.600	102.00
24956	69.00	2.00	-5.0	7.40	-20.0	8.560	82.50
24957	41.00	3.40	-5.0	10.00	-20.0	8.930	139.00
24958	30.00	3.70	-5.0	7.40	-20.0	8.580	136.00
24959	40.00	1.90	-5.0	5.00	-20.0	11.100	70.30
24960	17.00	.91	220.0	2.40	-20.0	4.600	15.00
24961	14.00	1.40	-5.0	8.10	-20.0	5.530	56.40
24962	-1.00	1.10	-5.0	7.00	-20.0	1.200	43.00
24963	4.80	1.10	-5.0	7.90	-20.0	3.000	52.90
24964	-1.00	.57	-5.0	7.20	-20.0	.430	26.00
24965	-1.00	.56	-5.0	7.10	-20.0	.380	17.00
24966	-1.00	.79	-5.0	5.80	-20.0	1.100	34.00
24967	1.50	1.50	-5.0	8.40	-20.0	3.400	46.00
24968	1.70	1.60	-5.0	8.40	-20.0	4.800	43.00
24969	49.00	1.20	-5.0	6.90	-20.0	10.900	32.00
24970	2.40	1.60	-5.0	8.80	-20.0	7.370	40.00
24971	3.00	1.40	-5.0	8.10	-20.0	5.710	40.00
24972	2.00	1.40	-5.0	10.00	-20.0	9.500	36.00
24973	91.00	2.20	-5.0	9.10	-20.0	7.960	48.00
24974	1.70	2.10	-5.0	8.40	-20.0	6.900	51.20
24975	28.00	2.00	-5.0	8.20	-20.0	9.290	45.00
24976	5.00	.90	-5.0	5.90	-20.0	6.830	26.00
24977	83.00	3.40	-5.0	5.30	-20.0	11.500	35.00

24978	3.40	1.60	-5.0	6.40	-20.0	5.390	46.00
24979	37.00	.56	-5.0	2.00	-20.0	9.220	6.30
24980	23.00	1.10	59.0	8.80	-20.0	4.300	37.00
24981	10.00	-.50	-5.0	1.50	-20.0	8.170	4.20
24982	8.60	.61	-5.0	2.10	-20.0	6.960	7.30
24983	35.00	1.40	-5.0	8.10	-20.0	10.300	24.00
24984	1.50	1.80	-5.0	8.70	-20.0	1.400	38.00
24985	3.50	.79	-5.0	3.40	-20.0	5.370	13.00
24986	124.00	.71	-5.0	2.00	-20.0	8.370	7.90
24987	8.90	-.50	-5.0	2.20	-20.0	7.820	3.70
24988	37.00	2.20	-5.0	6.20	-20.0	9.630	31.00
24989	26.00	.68	-5.0	2.20	-20.0	14.900	7.60
24990	8.10	1.80	-5.0	8.00	-20.0	10.500	46.00
24991	16.00	1.90	-5.0	6.40	-20.0	10.900	29.00
24992	5.10	2.00	-5.0	8.60	-20.0	7.140	51.20
24993	4.50	1.60	-5.0	8.70	-20.0	7.130	42.00
24994	8.30	1.70	-5.0	8.20	-20.0	8.150	36.00
24995	10.00	6.00	-5.0	6.70	-20.0	8.390	127.00
24996	2.00	1.70	-5.0	9.20	-20.0	13.600	42.00
24997	5.60	2.10	-5.0	7.30	-20.0	19.200	29.00
24998	3.60	1.20	7.0	6.40	-20.0	8.850	32.00
24999	22.00	1.40	-5.0	4.90	-20.0	10.800	29.00
25000	15.00	.91	200.0	2.40	-20.0	4.600	14.00
24896x2	3.00	.72	-5.0	5.50	-20.0	5.190	23.00
24911x2	-1.00	.76	-5.0	7.50	-20.0	.830	35.00
24942x2	43.00	3.70	-5.0	10.00	-20.0	7.990	70.50
24998x2	4.30	1.10	8.5	6.30	-20.0	9.040	32.00

S#	Lu	Mo	K	Rb	Sm	Sc	Se
24891	.78	-5.0	3.200	310.0	5.00	37.60	-5.0
24892	.33	-5.0	.590	110.0	5.40	12.40	-5.0
24893	.40	-5.0	1.000	120.0	4.40	11.70	-5.0
24894	.54	-5.0	3.100	270.0	6.30	24.50	-5.0
24895	.48	-5.0	2.100	180.0	5.50	19.50	-5.0
24896	.59	-5.0	3.800	290.0	4.10	24.90	-5.0
24897	.53	-5.0	3.200	280.0	7.30	19.30	-5.0
24898	.71	-5.0	2.700	140.0	10.00	23.20	-5.0
24899	.62	-5.0	1.700	120.0	8.20	22.70	-5.0
24900	.43	-5.0	2.000	190.0	7.40	11.60	-5.0
24901	.61	-5.0	2.000	86.0	6.50	7.20	-5.0
24902	.31	-5.0	-.200	-20.0	2.80	1.10	-5.0
24903	.51	-5.0	1.700	81.0	5.70	6.10	-5.0
24904	.42	-5.0	.280	-20.0	3.60	2.00	-5.0
24905	.35	-5.0	.500	23.0	3.70	2.60	-5.0
24906	.36	-5.0	.900	52.0	6.70	17.10	-5.0
24907	.23	-5.0	-.200	-20.0	2.20	1.30	-5.0
24908	.25	-5.0	2.400	100.0	4.80	20.40	-5.0
24909	.49	-5.0	1.400	71.0	5.20	5.80	-5.0
24910	.59	-5.0	2.200	110.0	6.50	8.00	-5.0
24911	.69	-5.0	2.300	120.0	4.80	12.00	-5.0
24912	.45	-5.0	1.000	55.0	5.60	4.60	-5.0
24913	.41	-5.0	1.700	75.0	10.00	26.90	-5.0
24914	.37	-5.0	1.000	56.0	9.40	25.20	-5.0
24915	.45	-5.0	.600	38.0	16.00	30.90	-5.0
24916	.54	-5.0	-.200	21.0	15.00	20.20	-5.0
24917	.63	-5.0	.430	-20.0	14.00	16.60	-5.0
24918	.64	-5.0	2.200	120.0	11.00	13.80	-5.0
24919	.70	-5.0	1.700	120.0	13.00	16.10	-5.0
24920	.44	-5.0	1.800	190.0	7.30	11.40	-5.0
24931	.46	-5.0	1.000	57.0	4.10	4.60	-5.0
24932	.32	-5.0	.440	25.0	2.60	2.10	-5.0
24933	.50	-5.0	2.100	140.0	17.00	17.80	-5.0
24934	.71	-5.0	2.300	150.0	20.00	33.00	-5.0
24935	.32	-5.0	.310	23.0	3.00	2.10	-5.0
24936	.25	-5.0	.240	-20.0	2.50	1.40	-5.0

24937	.30	-5.0	-.200	-20.0	3.00	1.40	-5.0
24938	.50	-5.0	1.300	79.0	7.40	4.70	-5.0
24939	.75	-5.0	2.500	150.0	8.40	8.50	-5.0
24940	.36	-5.0	1.900	36.0	4.40	13.50	-5.0
24941	.61	-5.0	2.100	130.0	10.00	8.80	-5.0
24942	.56	-5.0	.260	-20.0	13.00	28.70	-5.0
24943	.52	-5.0	1.800	170.0	13.00	21.80	-5.0
24944	.57	-5.0	2.200	140.0	16.00	35.20	-5.0
24945	.82	-5.0	4.000	230.0	10.00	13.30	-5.0
24946	.84	-5.0	4.400	240.0	11.00	14.80	-5.0
24947	.73	-5.0	1.200	83.0	24.20	40.20	-5.0
24948	.59	-5.0	1.200	82.0	14.00	40.80	-5.0
24949	.70	-5.0	.480	44.0	25.60	37.90	-5.0
24950	.63	-5.0	.600	55.0	19.00	40.50	-5.0
24951	.58	-5.0	.560	52.0	15.00	33.00	-5.0
24952	.65	-5.0	1.200	77.0	11.00	7.60	-5.0
24953	.67	-5.0	.820	63.0	13.00	12.60	-5.0
24954	.64	-5.0	1.100	76.0	19.00	32.30	-5.0
24955	.59	-5.0	1.100	85.0	11.00	38.30	-5.0
24956	.35	-5.0	.520	37.0	8.90	33.40	-5.0
24957	.56	-5.0	.520	41.0	16.00	35.30	-5.0
24958	.44	-5.0	1.400	100.0	15.00	25.10	-5.0
24959	.43	-5.0	1.900	110.0	6.90	20.00	-5.0
24960	.37	-5.0	1.900	56.0	4.40	13.30	-5.0
24961	.70	-5.0	1.500	120.0	9.00	10.10	-5.0
24962	.76	-5.0	1.700	110.0	7.60	8.70	-5.0
24963	.43	-5.0	.650	38.0	5.60	10.50	-5.0
24964	.43	-5.0	1.100	55.0	4.20	4.80	-5.0
24965	.47	-5.0	1.100	60.0	3.20	4.90	-5.0
24966	.37	-5.0	.810	54.0	6.00	5.80	-5.0
24967	.48	-5.0	.620	51.0	8.80	12.90	-5.0
24968	.48	-5.0	.600	54.0	8.50	15.90	-5.0
24969	.48	-5.0	.830	74.0	7.00	18.90	-5.0
24970	.59	-5.0	.290	39.0	8.00	20.30	-5.0
24971	.48	-5.0	.430	47.0	8.00	16.80	-5.0
24972	.64	-5.0	.500	61.0	7.20	22.20	-5.0
24973	.63	-5.0	1.300	150.0	11.00	24.50	-5.0
24974	.58	-5.0	.400	68.0	11.00	15.40	-5.0
24975	.70	-5.0	2.000	150.0	10.00	22.30	-5.0
24976	.38	-5.0	.450	61.0	5.00	13.20	-5.0
24977	1.10	-5.0	2.300	140.0	15.00	23.40	-5.0
24978	.54	-5.0	1.400	110.0	8.80	18.10	-5.0
24979	.32	-5.0	.860	130.0	2.00	36.40	-5.0
24980	.44	-5.0	1.800	200.0	7.70	11.90	-5.0
24981	.35	-5.0	1.200	210.0	1.70	36.90	-5.0
24982	.32	-5.0	1.200	110.0	2.30	33.00	-5.0
24983	.65	-5.0	.430	56.0	6.30	38.00	-5.0
24984	.46	-5.0	.510	51.0	8.60	14.80	-5.0
24985	.34	-5.0	.570	55.0	3.60	24.10	-5.0
24986	.38	-5.0	1.100	120.0	3.00	51.50	-5.0
24987	.43	-5.0	2.400	110.0	1.60	45.20	-5.0
24988	.53	-5.0	.880	130.0	9.20	27.80	-5.0
24989	.37	-5.0	.200	41.0	2.60	28.90	-5.0
24990	.58	-5.0	1.100	99.0	10.00	20.10	-5.0
24991	.72	-5.0	1.800	210.0	7.70	35.60	-5.0
24992	.62	-5.0	1.000	120.0	11.00	20.50	-5.0
24993	.64	-5.0	1.300	130.0	8.70	22.00	-5.0
24994	.62	-5.0	1.000	100.0	8.30	22.30	-5.0
24995	.72	-5.0	2.000	200.0	29.00	24.90	-5.0
24996	.68	-5.0	.640	79.0	8.80	33.30	-5.0
24997	.50	-5.0	.250	55.0	7.20	42.90	-5.0
24998	.53	-5.0	1.700	160.0	6.20	24.10	-5.0
24999	.45	-5.0	2.000	140.0	6.40	35.20	-5.0
25000	.34	-5.0	1.800	47.0	4.30	13.00	-5.0
24896x2	.54	-5.0	4.100	310.0	4.20	25.20	-5.0
24911x2	.70	-5.0	2.300	130.0	4.90	12.50	-5.0

24942x2	.60	-5.0	-.200	39.0	14.00	30.40	-5.0
24998x2	.52	-5.0	1.700	160.0	6.20	24.20	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
24891	-5.00	3.30	11.00	-500.0	3.40	3.50	3.40
24892	-5.00	1.30	3.30	-500.0	2.40	-2.00	1.10
24893	-5.00	1.30	7.20	-500.0	3.30	-2.00	1.30
24894	-5.00	1.50	12.00	-500.0	-2.00	-2.00	2.60
24895	-5.00	1.80	11.00	-500.0	2.50	-2.00	2.30
24896	-5.00	1.80	15.00	-500.0	4.10	2.60	2.20
24897	-5.00	2.20	13.00	-500.0	2.60	2.10	2.60
24898	-5.00	2.50	15.00	-500.0	-2.00	4.10	3.60
24899	-5.00	3.00	13.00	-500.0	-2.00	-2.00	3.30
24900	-5.00	3.90	14.00	-500.0	5.90	2.80	2.10
24901	-5.00	1.60	10.00	-500.0	2.10	-2.00	2.90
24902	-5.00	-1.00	3.80	-500.0	-2.00	-2.00	1.60
24903	-5.00	1.40	8.60	-500.0	-2.00	-2.00	2.70
24904	-5.00	-1.00	5.50	-500.0	-2.00	-2.00	2.10
24905	-5.00	1.60	5.10	-500.0	-2.00	-2.00	1.80
24906	-5.00	5.90	12.00	-500.0	-2.00	-2.00	1.80
24907	-5.00	1.20	3.10	-500.0	-2.00	-2.00	1.10
24908	-5.00	9.10	13.00	-500.0	-2.00	-2.00	1.50
24909	-5.00	-1.00	8.60	-500.0	-2.00	-2.00	2.50
24910	-5.00	1.80	12.00	-500.0	2.20	-2.00	3.00
24911	-5.00	2.00	11.00	-500.0	-2.00	4.00	3.20
24912	-5.00	1.90	7.10	-500.0	-2.00	-2.00	2.40
24913	-5.00	9.00	16.00	-500.0	-2.00	-2.00	2.10
24914	-5.00	8.00	20.00	-500.0	-2.00	-2.00	1.90
24915	-5.00	11.00	20.00	-500.0	-2.00	-2.00	2.30
24916	-5.00	12.00	16.00	-500.0	-2.00	-2.00	2.60
24917	-5.00	10.00	15.00	-500.0	-2.00	-2.00	2.80
24918	-5.00	2.10	13.00	-500.0	-2.00	-2.00	3.30
24919	-5.00	5.40	15.00	-500.0	-2.00	3.20	3.60
24920	-5.00	2.80	14.00	-500.0	5.30	3.80	2.20
24931	-5.00	1.10	5.60	-500.0	-2.00	-2.00	2.30
24932	-5.00	-1.00	3.50	-500.0	-2.00	-2.00	1.70
24933	-5.00	10.00	17.00	-500.0	2.40	-2.00	2.40
24934	-5.00	14.00	22.00	-500.0	-2.00	-2.00	3.40
24935	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.60
24936	-5.00	-1.00	3.60	-500.0	-2.00	-2.00	1.30
24937	-5.00	1.00	3.90	-500.0	-2.00	-2.00	1.60
24938	-5.00	1.50	8.30	-500.0	-2.00	2.10	2.50
24939	-5.00	1.60	13.00	-500.0	2.20	2.20	3.90
24940	-5.00	-1.00	2.10	-500.0	-2.00	-2.00	1.90
24941	-5.00	1.30	13.00	-500.0	3.20	-2.00	3.00
24942	-5.00	6.90	8.60	-500.0	-2.00	-2.00	2.80
24943	-5.00	5.40	8.00	-500.0	5.80	-2.00	2.70
24944	-5.00	12.00	18.00	-500.0	-2.00	-2.00	2.70
24945	-5.00	3.40	19.00	-500.0	-2.00	3.10	4.10
24946	-5.00	2.10	20.00	-500.0	2.80	3.50	4.20
24947	-5.00	8.90	12.00	-500.0	-2.00	-2.00	3.60
24948	-5.00	8.60	12.00	-500.0	-2.00	-2.00	3.50
24949	-5.00	10.00	12.00	-500.0	4.00	-2.00	3.80
24950	-5.00	8.00	13.00	-500.0	-2.00	-2.00	3.60
24951	-5.00	5.30	10.00	-500.0	-2.00	-2.00	3.00
24952	-5.00	3.00	12.00	-500.0	-2.00	2.20	3.20
24953	-5.00	7.70	13.00	-500.0	2.70	-2.00	3.20
24954	-5.00	12.00	21.00	-500.0	-2.00	-2.00	3.10
24955	-5.00	13.00	21.00	-500.0	5.40	-2.00	3.00
24956	-5.00	10.00	14.00	510.0	-2.00	-2.00	2.10
24957	-5.00	11.00	20.00	-500.0	-2.00	-2.00	2.80
24958	-5.00	10.00	14.00	-500.0	3.00	-2.00	2.30
24959	-5.00	6.00	12.00	-500.0	7.50	-2.00	2.20
24960	-5.00	-1.00	1.70	-500.0	-2.00	-2.00	1.60
24961	-5.00	3.60	12.00	-500.0	2.10	2.50	3.50

24962	-5.00	1.60	8.30	-500.0	2.20	-2.00	3.80
24963	-5.00	5.40	8.10	-500.0	-2.00	-2.00	2.20
24964	-5.00	1.70	6.00	-500.0	-2.00	-2.00	2.30
24965	-5.00	-1.00	4.90	-500.0	-2.00	2.20	2.50
24966	-5.00	1.40	5.60	-500.0	-2.00	-2.00	2.00
24967	-5.00	4.10	6.90	-500.0	2.70	-2.00	2.40
24968	-5.00	3.60	6.90	-500.0	-2.00	-2.00	2.70
[illegible]969	-5.00	3.30	7.20	-500.0	-2.00	-2.00	2.50
24970	-5.00	4.00	7.80	-500.0	-2.00	-2.00	3.10
24971	-5.00	4.00	6.30	-500.0	-2.00	-2.00	2.30
24972	-5.00	3.80	9.40	-500.0	-2.00	-2.00	3.20
24973	-5.00	3.90	8.60	-500.0	-2.00	-2.00	3.50
24974	-5.00	4.10	9.20	-500.0	8.50	-2.00	2.70
24975	-5.00	3.40	13.00	-500.0	3.10	3.60	3.60
24976	-5.00	1.90	6.30	-500.0	-2.00	-2.00	2.00
24977	-5.00	2.20	13.00	-500.0	3.00	-2.00	5.90
24978	-5.00	1.90	10.00	-500.0	5.00	-2.00	2.90
24979	-5.00	-1.00	1.90	-500.0	26.00	-2.00	1.80
24980	-5.00	4.50	14.00	-500.0	4.40	3.50	2.20
24981	-5.00	-1.00	.66	-500.0	44.00	-2.00	1.80
24982	-5.00	1.10	1.40	-500.0	-2.00	-2.00	1.70
24983	-5.00	3.00	7.50	-500.0	-2.00	-2.00	3.40
24984	-5.00	3.10	6.70	-500.0	-2.00	-2.00	2.30
24985	-5.00	1.30	2.00	-500.0	-2.00	-2.00	2.00
24986	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	2.20
24987	-5.00	-1.00	1.00	-500.0	-2.00	-2.00	2.40
24988	-5.00	2.60	5.90	-500.0	4.00	-2.00	2.90
24989	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	1.90
24990	-5.00	3.50	7.70	-500.0	-2.00	-2.00	2.90
24991	-5.00	2.50	5.20	-500.0	-2.00	-2.00	3.60
24992	-5.00	4.30	9.30	-500.0	3.60	-2.00	3.00
24993	-5.00	2.90	11.00	-500.0	2.20	-2.00	3.10
[illegible]994	-5.00	2.80	9.00	-500.0	5.10	-2.00	3.10
24995	-5.00	2.70	10.00	-500.0	19.00	-2.00	3.30
24996	-5.00	3.30	10.00	-500.0	-2.00	-2.00	3.40
24997	-5.00	2.80	5.40	-500.0	-2.00	-2.00	2.70
24998	-5.00	2.30	10.00	-500.0	2.40	-2.00	2.60
24999	-5.00	2.10	14.00	-500.0	-2.00	-2.00	2.50
25000	-5.00	1.30	2.00	-500.0	2.50	-2.00	1.70
24896x2	-5.00	1.30	16.00	-500.0	3.30	3.20	2.30
24911x2	-5.00	1.60	11.00	-500.0	-2.00	4.20	3.30
24942x2	-5.00	6.60	10.00	-500.0	-2.00	-2.00	2.80
24998x2	-5.00	1.90	10.00	-500.0	3.80	-2.00	2.60

S#	Zn	Zr
24891	790.0	-500.0
24892	680.0	-500.0
24893	360.0	-500.0
24894	940.0	-500.0
24895	440.0	-500.0
24896	370.0	-500.0
24897	120.0	-500.0
24898	430.0	-500.0
24899	580.0	-500.0
24900	140.0	-500.0
24901	-100.0	-500.0
[illegible]902	-100.0	-500.0
[illegible]903	-100.0	-500.0
24904	-100.0	-500.0
24905	-100.0	-500.0
24906	120.0	-500.0
24907	-100.0	-500.0
24908	620.0	-500.0
24909	-100.0	-500.0
24910	-100.0	-500.0

424257

24911	-100.0	-500.0
24912	-100.0	-500.0
24913	170.0	510.0
24914	-100.0	540.0
24915	140.0	500.0
24916	-100.0	580.0
24917	-100.0	610.0
24918	-100.0	-500.0
24919	110.0	590.0
24920	110.0	-500.0
24931	-100.0	-500.0
24932	-100.0	-500.0
24933	110.0	630.0
24934	110.0	670.0
24935	-100.0	-500.0
24936	-100.0	-500.0
24937	-100.0	-500.0
24938	-100.0	-500.0
24939	-100.0	-500.0
24940	900.0	-500.0
24941	-100.0	-500.0
24942	670.0	540.0
24943	1300.0	-500.0
24944	140.0	670.0
24945	-100.0	-500.0
24946	-100.0	-500.0
24947	200.0	1100.0
24948	210.0	910.0
24949	580.0	1100.0
24950	160.0	1000.0
24951	-100.0	830.0
24952	-100.0	-500.0
24953	-100.0	760.0
24954	260.0	630.0
24955	210.0	-500.0
24956	300.0	-500.0
24957	140.0	830.0
24958	200.0	-500.0
24959	710.0	-500.0
24960	880.0	-500.0
24961	220.0	-500.0
24962	-100.0	-500.0
24963	-100.0	-500.0
24964	-100.0	-500.0
24965	-100.0	-500.0
24966	-100.0	-500.0
24967	-100.0	-500.0
24968	-100.0	-500.0
24969	230.0	-500.0
24970	160.0	-500.0
24971	130.0	-500.0
24972	160.0	-500.0
24973	480.0	-500.0
24974	180.0	-500.0
24975	930.0	-500.0
24976	-100.0	-500.0
24977	280.0	-500.0
24978	140.0	-500.0
24979	340.0	-500.0
24980	110.0	-500.0
24981	430.0	-500.0
24982	430.0	-500.0
24983	340.0	560.0
24984	-100.0	-500.0
24985	160.0	-500.0
24986	340.0	-500.0

424258

24987	360.0	-500.0
24988	350.0	-500.0
24989	760.0	-500.0
24990	480.0	-500.0
24991	870.0	-500.0
24992	270.0	-500.0
24993	220.0	-500.0
24994	430.0	-500.0
24995	440.0	-500.0
24996	190.0	-500.0
24997	400.0	-500.0
24998	250.0	-500.0
24999	440.0	-500.0
25000	860.0	-500.0
24896×2	360.0	-500.0
24911×2	-100.0	-500.0
24942×2	660.0	710.0
24998×2	260.0	-500.0

424259

RGC TASMANIA
BECQUEREL JOB # 869
NOTE : RESULTS ARE IN ppm; Au, Ir ARE IN ppb;
Fe, K, Na ARE IN %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24301	3.70	9.10	100.0	31.00	65.00	7.80	79.0
24302	3.30	7.60	-100.0	8.50	11.00	2.50	77.0
24303	2.50	53.00	150.0	16.00	34.00	5.60	65.0
24304	.82	-2.00	-100.0	10.00	9.10	1.90	51.0
24305	.65	-2.00	-100.0	8.20	7.10	-1.00	15.0
24306	.50	-2.00	-100.0	14.00	5.10	-1.00	61.0
24307	.79	-2.00	-100.0	22.00	17.00	1.60	39.0
24308	2.20	-2.00	210.0	4.80	87.00	14.00	110.0
24309	.68	-2.00	-100.0	10.00	51.00	1.60	41.0
24310	.91	-2.00	-100.0	14.00	49.00	3.80	56.0
24311	2.00	-2.00	580.0	7.80	110.00	14.00	72.0
24312	12.00	70.00	160.0	61.00	61.00	10.00	68.0
24313	.63	-2.00	530.0	9.10	120.00	13.00	75.0
24314	1.10	-2.00	170.0	17.00	76.00	6.90	63.0
24315	14.00	19.00	460.0	18.00	110.00	12.00	71.0
24316	219.00	44.00	220.0	11.00	92.00	7.10	120.0
24317	1.90	-2.00	320.0	5.20	86.00	8.60	66.0
24318	10.00	21.00	550.0	31.00	100.00	9.00	150.0
24319	1.50	-2.00	200.0	13.00	38.00	3.80	63.0
24320	3.00	300.00	440.0	-2.00	29.00	-1.00	54.0
24321	5.50	-2.00	490.0	7.10	85.00	8.20	88.0
24322	1.60	-2.00	450.0	6.50	110.00	7.00	67.0
24323	5.20	4.50	400.0	-2.00	87.00	6.70	86.0
24324	12.00	-2.00	810.0	2.60	110.00	14.00	180.0
24325	4.60	-2.00	460.0	6.10	87.00	8.50	98.0
24326	3.10	-2.00	610.0	4.20	140.00	13.00	74.0
24327	2.50	-2.00	670.0	4.50	110.00	10.00	79.0
24328	4.10	-2.00	520.0	4.00	94.00	9.30	80.0
24329	1.10	-2.00	300.0	4.20	75.00	5.70	74.0
24330	2.10	-2.00	470.0	10.00	91.00	7.10	61.0
24331	2.40	3.20	420.0	-2.00	87.00	6.00	62.0
24332	.92	-2.00	430.0	2.40	100.00	8.50	62.0
24333	6.70	-2.00	610.0	2.00	110.00	9.30	83.0
24334	8.90	-2.00	1000.0	-2.00	130.00	12.00	130.0
24335	15.00	30.00	-100.0	19.00	130.00	5.80	576.0
24336	188.00	479.00	520.0	38.00	110.00	13.00	95.0
24337	218.00	47.00	450.0	8.30	81.00	13.00	84.0
24338	4.20	4.60	440.0	-2.00	97.00	7.20	47.0
24339	2.70	-2.00	280.0	3.70	58.00	5.30	58.0
24340	2.80	305.00	500.0	-2.00	28.00	-1.00	51.0
24341	2.00	-2.00	140.0	-2.00	73.00	2.70	38.0
24342	1.50	-2.00	170.0	4.40	60.00	3.50	24.0
24343	5.20	3.00	590.0	8.50	96.00	10.00	77.0
24344	1.80	-2.00	310.0	3.90	84.00	6.50	46.0
24345	.74	-2.00	-100.0	-2.00	36.00	-1.00	33.0
24346	1.10	4.30	400.0	39.00	150.00	13.00	400.0
24347	6.80	200.00	400.0	2.70	170.00	13.00	280.0
24348	6.50	22.00	790.0	9.30	190.00	33.00	230.0
24349	6.10	3.40	590.0	5.40	271.00	15.00	310.0
24350	1.00	-2.00	140.0	10.00	44.00	2.30	21.0
24351	1.10	-2.00	170.0	10.00	34.00	2.30	49.0
24352	.76	-2.00	-100.0	15.00	28.00	-1.00	15.0
24353	.48	-2.00	-100.0	9.50	47.00	1.10	55.0

24354	.64	-2.00	140.0	10.00	69.00	1.90	20.0
24355	.65	-2.00	310.0	5.60	62.00	3.90	72.0
24356	1.40	4.60	-100.0	3.10	27.00	3.00	77.0
24357	4.70	26.00	180.0	23.00	20.00	9.20	100.0
24358	1.00	-2.00	-100.0	4.20	6.50	1.70	44.0
24359	1.30	-2.00	-100.0	8.60	22.00	2.00	56.0
24360	2.80	293.00	500.0	-2.00	27.00	-1.00	49.0
24361	1.90	-2.00	470.0	14.00	120.00	11.00	180.0
24362	2.90	-2.00	-100.0	7.20	28.00	1.50	73.0
24363	26.60	28.00	400.0	3.80	79.00	12.00	68.0
24364	1.70	4.00	120.0	7.60	41.00	3.40	63.0
24365	1.80	-2.00	-100.0	23.00	87.00	2.70	39.0
24366	25.60	130.00	320.0	19.00	100.00	10.00	120.0
24367	3.60	20.00	460.0	15.00	110.00	12.00	110.0
24368	8.90	4.10	390.0	8.30	88.00	7.10	120.0
24369	3.10	-2.00	400.0	7.20	100.00	8.50	65.0
24370	2.80	-2.00	130.0	7.90	56.00	2.60	72.0
24371	2.20	-2.00	150.0	4.40	66.00	4.70	79.0
24372	6.30	-2.00	520.0	2.60	100.00	11.00	140.0
24373	1.70	-2.00	360.0	3.40	98.00	6.90	69.0
24374	1.80	-2.00	490.0	6.10	110.00	18.00	72.0
24375	8.90	37.00	550.0	47.00	89.00	9.20	100.0
24376	2.60	3.70	500.0	6.20	110.00	12.00	70.0
24377	16.00	78.00	520.0	100.00	342.00	15.00	350.0
24378	2.00	-2.00	530.0	8.10	120.00	13.00	110.0
24379	2.40	2.90	360.0	8.40	100.00	10.00	180.0
24380	2.60	293.00	410.0	-2.00	28.00	1.30	49.0
24381	57.00	524.00	440.0	3.00	88.00	12.00	88.0
24382	12.00	10.00	810.0	2.20	99.00	14.00	140.0
24383	14.00	51.00	-100.0	-2.00	30.00	3.00	25.0
24384	2.30	2.00	320.0	2.40	83.00	6.30	79.0
24385	1.60	-2.00	140.0	3.50	54.00	1.90	20.0
24386	1.30	-2.00	-100.0	5.50	29.00	-1.00	55.0
24387	.54	-2.00	-100.0	2.10	26.00	-1.00	10.0
24388	5.10	-2.00	430.0	2.30	100.00	8.80	89.0
24389	48.00	100.00	500.0	3.40	83.00	14.00	71.0
24390	10.00	43.00	460.0	-2.00	97.00	13.00	83.0
24391	20.70	53.00	780.0	3.30	97.00	16.00	87.0
24392	1.10	-2.00	530.0	5.40	100.00	8.40	65.0
24393	5.20	8.20	430.0	7.60	90.00	10.00	67.0
24316x2	212.00	43.00	370.0	11.00	93.00	7.00	120.0
24335x2	15.00	29.00	110.0	18.00	130.00	3.90	570.0
24359x2	1.30	-2.00	-100.0	8.40	23.00	2.20	58.0
24375x2	8.80	37.00	530.0	48.00	88.00	8.70	100.0
24385x2	1.70	-2.00	120.0	3.30	56.00	1.60	21.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24301	12.00	1.00	-5.0	7.50	-20.0	.820	32.00
24302	4.20	-.50	-5.0	2.40	-20.0	1.000	6.10
24303	76.00	.61	-5.0	3.80	-20.0	2.400	17.00
24304	-1.00	-.50	-5.0	1.40	-20.0	.520	4.80
24305	-1.00	-.50	-5.0	1.10	-20.0	.660	3.60
24306	-1.00	-.50	-5.0	1.30	-20.0	.460	2.80
24307	-1.00	-.50	-5.0	3.60	-20.0	.630	8.50
24308	-1.00	1.20	-5.0	6.20	-20.0	.670	45.00
24309	-1.00	-.50	-5.0	7.20	-20.0	.390	24.00
24310	-1.00	.73	-5.0	5.50	-20.0	.410	24.00
24311	-1.00	1.30	-5.0	8.10	-20.0	.520	55.00
24312	1.40	1.70	-5.0	5.60	-20.0	6.130	28.00
24313	-1.00	1.70	-5.0	8.50	-20.0	.570	60.30
24314	-1.00	.84	-5.0	10.00	-20.0	.450	37.00
24315	-1.00	1.60	-5.0	8.40	-20.0	1.600	56.00
24316	-1.00	.80	9.4	6.00	-20.0	4.100	47.00
24317	-1.00	.88	-5.0	7.90	-20.0	.570	43.00
24318	-1.00	1.00	16.0	10.00	-20.0	5.060	53.60

424261

24319	-1.00	.51	-5.0	3.00	-20.0	.630	21.00
24320	16.00	.92	340.0	2.70	-20.0	4.500	14.00
24321	-1.00	.61	-5.0	6.40	-20.0	.560	42.00
24322	-1.00	1.00	6.3	5.60	-20.0	.410	50.30
24323	-1.00	1.00	-5.0	11.00	-20.0	1.400	43.00
24324	-1.00	1.70	9.5	6.00	-20.0	.510	56.60
24325	-1.00	1.00	-5.0	4.80	-20.0	.540	41.00
24326	-1.00	1.60	-5.0	10.00	-20.0	.520	67.30
24327	-1.00	.94	-5.0	9.00	-20.0	.540	55.80
24328	-1.00	1.10	-5.0	7.40	-20.0	.590	45.00
24329	-1.00	.71	-5.0	6.60	-20.0	.710	36.00
24330	-1.00	1.10	-5.0	7.50	-20.0	.490	44.00
24331	-1.00	1.00	-5.0	8.70	-20.0	.790	41.00
24332	-1.00	1.20	-5.0	8.60	-20.0	.590	50.30
24333	-1.00	1.50	-5.0	8.00	-20.0	.810	54.30
24334	-1.00	1.30	6.7	6.50	-20.0	.780	62.40
24335	20.00	3.30	-5.0	8.00	-20.0	6.560	69.20
24336	-1.00	2.20	-5.0	7.50	-20.0	1.400	54.20
24337	4.00	1.40	-5.0	7.40	-20.0	1.400	39.00
24338	-1.00	1.20	-5.0	11.00	-20.0	.610	45.00
24339	-1.00	.93	-5.0	12.00	-20.0	.540	27.00
24340	16.00	1.20	270.0	2.70	-20.0	4.600	15.00
24341	-1.00	.81	-5.0	13.00	-20.0	.570	35.00
24342	-1.00	.74	-5.0	7.60	-20.0	.340	31.00
24343	-1.00	.89	-5.0	7.50	-20.0	.670	49.00
24344	-1.00	1.00	-5.0	11.00	-20.0	.420	41.00
24345	-1.00	-.50	-5.0	7.90	-20.0	.320	18.00
24346	51.00	2.00	-5.0	9.20	-20.0	7.510	79.90
24347	22.00	2.50	-5.0	8.20	-20.0	8.970	101.00
24348	5.80	2.90	-5.0	7.50	-20.0	3.300	108.00
24349	-1.00	1.30	-5.0	11.00	-20.0	.490	168.00
24350	-1.00	.57	-5.0	10.00	-20.0	.820	21.00
24351	-1.00	.52	-5.0	10.00	-20.0	.400	17.00
24352	-1.00	-.50	-5.0	8.10	-20.0	.810	13.00
24353	-1.00	-.50	-5.0	6.30	-20.0	.470	23.00
24354	-1.00	.61	-5.0	8.60	-20.0	.920	33.00
24355	-1.00	.82	-5.0	6.80	-20.0	.640	31.00
24356	2.80	-.50	-5.0	4.80	-20.0	3.900	14.00
24357	14.00	-.50	-5.0	4.80	-20.0	22.100	11.00
24358	-1.00	-.50	-5.0	1.40	-20.0	.640	3.40
24359	-1.00	-.50	-5.0	2.10	-20.0	.730	11.00
24360	15.00	.92	240.0	2.40	-20.0	4.400	14.00
24361	1.70	1.10	-5.0	7.90	-20.0	.440	59.20
24362	-1.00	-.50	-5.0	3.30	-20.0	.930	14.00
24363	6.40	1.20	5.0	6.10	-20.0	6.970	41.00
24364	-1.00	.51	-5.0	5.30	-20.0	.480	21.00
24365	-1.00	.95	-5.0	12.00	-20.0	.320	43.00
24366	-1.00	1.60	-5.0	9.40	-20.0	3.200	50.70
24367	-1.00	1.40	8.5	10.00	-20.0	3.000	53.00
24368	-1.00	-.50	13.0	7.00	-20.0	.480	47.00
24369	-1.00	1.20	-5.0	11.00	-20.0	.410	51.80
24370	-1.00	.64	-5.0	5.80	-20.0	.690	28.00
24371	-1.00	.78	-5.0	6.30	-20.0	.310	32.00
24372	-1.00	1.30	22.0	6.50	-20.0	.430	52.70
24373	-1.00	1.10	-5.0	9.10	-20.0	.630	46.00
24374	-1.00	1.20	5.0	11.00	-20.0	.550	53.60
24375	-1.00	1.00	8.7	8.90	-20.0	3.000	44.00
24376	-1.00	1.20	-5.0	9.30	-20.0	.540	51.30
24377	-1.00	5.90	-5.0	9.40	-20.0	8.350	193.00
24378	-1.00	1.30	-5.0	8.60	-20.0	.610	57.30
24379	-1.00	1.20	-5.0	8.30	-20.0	.520	50.20
24380	16.00	1.00	230.0	2.60	-20.0	4.400	14.00
24381	5.60	1.70	-5.0	6.30	-20.0	6.330	43.00
24382	-1.00	1.50	-5.0	4.50	-20.0	.930	49.00
24383	11.00	-.50	-5.0	3.20	-20.0	1.500	15.00
24384	-1.00	.90	-5.0	9.30	-20.0	.610	40.00

24385	-1.00	.56	-5.0	7.20	-20.0	.280	27.00
24386	-1.00	-.50	-5.0	6.00	-20.0	.650	14.00
24387	-1.00	-.50	-5.0	3.20	-20.0	.270	13.00
24388	-1.00	1.20	-5.0	8.70	-20.0	.570	48.00
24389	2.50	1.80	-5.0	6.50	-20.0	7.060	40.00
24390	8.00	1.70	-5.0	7.60	-20.0	4.700	46.00
[illegible]91	5.00	2.40	-5.0	7.60	-20.0	5.330	47.00
[illegible]92	-1.00	1.20	-5.0	7.70	-20.0	.620	48.00
24393	-1.00	1.50	-5.0	6.10	-20.0	.740	43.00
24316x2	-1.00	.66	6.9	5.80	-20.0	4.000	45.00
24335x2	20.00	3.10	-5.0	8.00	-20.0	6.490	68.80
24359x2	-1.00	-.50	-5.0	2.00	-20.0	.720	11.00
24375x2	-1.00	1.00	9.5	8.80	-20.0	3.000	44.00
24385x2	-1.00	.69	-5.0	7.10	-20.0	.290	27.00

S#	Lu	Mo	Rb	Sm	Sc	Se	Ag
24301	.54	-5.0	50.0	5.50	5.40	-5.0	-5.00
24302	-.20	-5.0	-20.0	1.10	1.30	-5.0	-5.00
24303	-.20	-5.0	53.0	3.60	4.20	-5.0	-5.00
24304	-.20	-5.0	-20.0	.80	.68	-5.0	-5.00
24305	-.20	-5.0	-20.0	.56	.48	-5.0	-5.00
24306	-.20	-5.0	-20.0	.43	.26	-5.0	-5.00
24307	-.20	-5.0	-20.0	1.50	1.20	-5.0	-5.00
24308	.39	-5.0	140.0	7.40	6.00	-5.0	-5.00
24309	.36	-5.0	-20.0	3.50	1.70	-5.0	-5.00
24310	.38	-5.0	60.0	4.30	4.00	-5.0	-5.00
24311	.80	-5.0	210.0	10.00	13.80	-5.0	-5.00
24312	.51	-5.0	85.0	8.60	10.00	-5.0	-5.00
24313	.83	-5.0	190.0	10.00	14.50	-5.0	-5.00
24314	.66	-5.0	97.0	6.40	5.90	-5.0	-5.00
24315	.77	-5.0	210.0	10.00	12.60	-5.0	-5.00
[illegible]16	.60	8.0	180.0	7.10	10.30	-5.0	-5.00
24317	.60	-5.0	130.0	6.80	8.70	-5.0	-5.00
24318	.81	-5.0	170.0	8.50	12.70	-5.0	-5.00
24319	.31	-5.0	66.0	3.20	4.20	-5.0	-5.00
24320	.33	-5.0	33.0	4.20	12.90	-5.0	-5.00
24321	.62	-5.0	160.0	5.80	10.00	-5.0	-5.00
24322	1.00	-5.0	150.0	7.20	11.40	-5.0	-5.00
24323	.77	-5.0	150.0	6.70	7.80	-5.0	-5.00
24324	.79	-12.0	220.0	8.70	21.30	-5.0	-5.00
24325	.68	-5.0	220.0	6.40	15.10	-5.0	-5.00
24326	.92	-10.0	190.0	11.00	14.70	-5.0	-5.00
24327	.74	-5.0	220.0	8.40	13.80	-5.0	-5.00
24328	.74	-5.0	190.0	7.40	11.80	-5.0	-5.00
24329	.58	-5.0	150.0	6.00	8.20	-5.0	-5.00
24330	.70	-5.0	190.0	7.50	10.00	-5.0	-5.00
24331	.72	-5.0	190.0	7.30	10.00	-5.0	-5.00
24332	.73	-5.0	200.0	8.30	11.30	-5.0	-5.00
24333	.82	-5.0	230.0	9.10	12.80	-5.0	-5.00
24334	.78	-5.0	390.0	9.10	19.00	-5.0	-5.00
24335	.49	-5.0	57.0	12.00	32.10	-5.0	-5.00
24336	.73	10.0	250.0	8.90	13.30	-5.0	220.00
24337	.72	7.7	210.0	7.00	11.00	20.0	-5.00
24338	.72	-5.0	190.0	8.10	10.30	-5.0	-5.00
24339	.65	-5.0	160.0	5.00	7.50	-5.0	-5.00
24340	.36	-5.0	46.0	4.30	13.10	-5.0	-5.00
[illegible]41	.66	-5.0	100.0	5.90	4.20	-5.0	-5.00
24342	.44	-5.0	53.0	4.90	3.70	-5.0	-5.00
24343	.72	-5.0	200.0	7.10	12.80	-5.0	-5.00
24344	.71	-5.0	130.0	7.20	8.30	-5.0	-5.00
24345	.39	-5.0	-20.0	2.90	1.30	-5.0	-5.00
24346	.51	-5.0	73.0	8.90	29.50	-5.0	-5.00
24347	.42	-5.0	89.0	11.00	25.60	-5.0	-5.00
24348	.74	-5.0	330.0	14.00	22.10	-5.0	-5.00
24349	.57	-5.0	370.0	8.00	21.80	-5.0	-5.00

24350	.58	-5.0	42.0	4.00	3.10	-5.0	-5.00
24351	.57	-5.0	56.0	3.10	4.00	-5.0	-5.00
24352	246 .41	-5.0	-20.0	2.60	1.30	-5.0	-5.00
24353	.38	-5.0	33.0	3.90	2.60	-5.0	-5.00
24354	.52	-5.0	55.0	6.20	3.60	-5.0	-5.00
24355	.56	-5.0	110.0	5.70	6.70	-5.0	-5.00
24356	.25	-5.0	21.0	2.40	1.70	-5.0	-5.00
24357	-.20	-5.0	65.0	1.70	3.40	-5.0	-5.00
24358	-.20	-5.0	-20.0	.55	.60	-5.0	-5.00
24359	-.20	-5.0	23.0	1.80	1.90	-5.0	-5.00
24360	.36	-5.0	44.0	4.10	12.60	-5.0	-5.00
24361	.89	-5.0	230.0	8.70	13.40	-5.0	-5.00
24362	.21	-5.0	-20.0	2.30	1.50	-5.0	-5.00
24363	.56	-5.0	160.0	7.20	11.20	-5.0	-5.00
24364	.35	-5.0	34.0	3.60	2.90	-5.0	-5.00
24365	.78	-5.0	24.0	7.70	3.60	-5.0	-5.00
24366	.95	-5.0	150.0	10.00	10.70	-5.0	-5.00
24367	1.00	-5.0	180.0	10.00	11.80	-5.0	-5.00
24368	.54	-5.0	160.0	4.30	8.20	-5.0	-5.00
24369	1.00	-5.0	160.0	9.20	10.00	-5.0	-5.00
24370	.45	-5.0	44.0	4.80	3.50	-5.0	-5.00
24371	.59	-5.0	69.0	5.70	5.10	-5.0	-5.00
24372	.81	-5.0	200.0	8.90	13.90	-5.0	-5.00
24373	.87	-5.0	130.0	8.50	8.70	-5.0	-5.00
24374	1.00	-5.0	190.0	8.60	11.10	-5.0	-5.00
24375	.74	-5.0	150.0	7.40	10.00	-5.0	-5.00
24376	.83	-5.0	180.0	8.80	11.60	-5.0	-5.00
24377	.58	-5.0	230.0	25.80	21.70	-5.0	-5.00
24378	.93	-5.0	200.0	10.00	12.30	-5.0	-5.00
24379	.79	-5.0	160.0	8.90	10.00	-5.0	-5.00
24380	.36	-5.0	28.0	4.20	12.60	-5.0	-5.00
24381	.68	-5.0	180.0	8.10	11.70	-5.0	29.00
24382	.68	-5.0	230.0	8.30	16.00	-5.0	-5.00
24383	.22	-5.0	32.0	2.60	2.30	-5.0	8.30
24384	.68	-5.0	130.0	6.60	8.40	-5.0	-5.00
24385	.43	-5.0	45.0	4.30	3.50	-5.0	-5.00
24386	.29	-5.0	-20.0	2.40	1.40	-5.0	-5.00
24387	-.20	-5.0	-20.0	1.90	1.20	-5.0	-5.00
24388	.75	-5.0	170.0	8.60	10.80	-5.0	-5.00
24389	.69	-5.0	200.0	7.90	11.30	-5.0	18.00
24390	.76	-5.0	220.0	9.00	13.30	-5.0	-5.00
24391	.81	-5.0	230.0	8.90	14.10	-5.0	-5.00
24392	.81	-5.0	190.0	8.20	13.10	-5.0	-5.00
24393	.70	-5.0	180.0	7.70	12.50	-5.0	-5.00
24316x2	.55	5.9	160.0	6.70	10.00	-5.0	-5.00
24335x2	.48	-5.0	57.0	12.00	31.70	-5.0	-5.00
24359x2	-.20	-5.0	28.0	1.80	1.90	-5.0	-5.00
24375x2	.73	-5.0	150.0	7.40	10.00	-5.0	-5.00
24385x2	.41	-5.0	44.0	4.30	3.50	-5.0	-5.00

S#	Ta	Th	W	U	Yb	Zn
24301	1.70	8.10	6.40	-2.00	2.70	490.0
24302	-1.00	2.50	3.00	-2.00	.52	660.0
24303	-1.00	11.00	3.70	-2.00	1.00	1500.0
24304	-1.00	1.30	-2.00	-2.00	-.50	-100.0
24305	-1.00	1.10	2.90	-2.00	-.50	-100.0
24306	-1.00	.69	-2.00	-2.00	-.50	-100.0
24307	-1.00	2.30	-2.00	-2.00	.87	110.0
24308	1.30	16.00	4.00	-2.00	2.10	-100.0
24309	-1.00	4.60	-2.00	-2.00	1.80	-100.0
24310	-1.00	6.40	-2.00	-2.00	2.00	-100.0
24311	2.50	17.00	-2.00	2.10	4.10	-100.0
24312	1.30	8.50	-2.00	-2.00	2.60	110.0
24313	-1.00	19.00	3.20	-2.00	4.20	-100.0
24314	1.60	10.00	-2.00	-2.00	3.30	-100.0

24315	1.30	17.00	3.20	-2.00	3.80	-100.0
24316	1.90	14.00	3.20	-2.00	2.50	-100.0
24317	1.30	11.00	-2.00	-2.00	3.10	-100.0
24318	1.20	18.00	4.10	2.70	4.20	-100.0
24319	-1.00	5.70	-2.00	-2.00	1.60	-100.0
24320	-1.00	2.00	2.90	-2.00	1.80	860.0
24321	1.50	10.00	-2.00	-2.00	3.10	-100.0
24322	1.60	10.00	-2.00	-2.00	5.00	-100.0
24323	1.20	12.00	28.00	-2.00	4.00	-100.0
24324	2.20	21.00	4.10	6.80	4.10	-100.0
24325	1.70	13.00	5.00	-2.00	3.30	-100.0
24326	2.40	20.00	-2.00	5.50	4.60	-100.0
24327	2.20	19.00	3.10	2.10	4.00	-100.0
24328	1.20	16.00	-2.00	2.50	3.80	-100.0
24329	1.00	11.00	-2.00	-2.00	2.80	-100.0
24330	1.30	13.00	-2.00	-2.00	3.60	-100.0
24331	1.30	12.00	14.00	-2.00	3.60	-100.0
24332	1.70	15.00	3.20	2.90	3.90	-100.0
24333	1.90	16.00	4.00	2.20	4.00	-100.0
24334	2.00	17.00	5.00	3.50	4.00	110.0
24335	6.20	13.00	-2.00	-2.00	2.70	400.0
24336	2.20	18.00	8.70	-2.00	3.20	160.0
24337	1.20	22.00	6.80	-2.00	3.30	390.0
24338	2.30	14.00	5.70	2.80	3.90	-100.0
24339	1.20	9.10	2.40	2.80	3.50	-100.0
24340	-1.00	1.60	4.10	-2.00	1.80	860.0
24341	1.30	10.00	9.50	-2.00	3.30	-100.0
24342	1.70	6.60	-2.00	-2.00	2.20	-100.0
24343	1.50	15.00	2.00	-2.00	3.50	-100.0
24344	1.60	12.00	2.10	-2.00	3.60	-100.0
24345	-1.00	4.30	4.10	-2.00	2.10	-100.0
24346	12.00	16.00	2.50	-2.00	2.60	210.0
24347	10.00	17.00	4.80	-2.00	2.10	190.0
24348	7.10	17.00	-2.00	-2.00	3.50	120.0
24349	13.00	14.00	6.20	2.60	2.70	-100.0
24350	1.00	6.70	-2.00	-2.00	2.90	-100.0
24351	1.30	6.10	2.60	2.30	2.90	-100.0
24352	-1.00	4.00	-2.00	-2.00	2.10	-100.0
24353	-1.00	5.90	-2.00	-2.00	1.90	-100.0
24354	1.10	10.00	-2.00	-2.00	2.70	-100.0
24355	-1.00	10.00	-2.00	-2.00	2.90	-100.0
24356	-1.00	3.50	-2.00	-2.00	1.30	-100.0
24357	1.00	5.80	-2.00	-2.00	1.20	270.0
24358	-1.00	1.20	-2.00	-2.00	-.50	-100.0
24359	-1.00	2.90	-2.00	-2.00	.79	-100.0
24360	1.70	2.00	2.80	-2.00	1.70	830.0
24361	2.20	14.00	4.90	-2.00	4.50	-100.0
24362	-1.00	3.30	-2.00	-2.00	1.10	120.0
24363	1.30	12.00	12.00	2.40	3.00	3400.0
24364	-1.00	4.90	-2.00	-2.00	1.70	-100.0
24365	1.70	8.80	3.10	-2.00	4.00	-100.0
24366	1.60	13.00	4.50	3.80	4.60	-100.0
24367	1.10	16.00	2.80	3.30	5.00	-100.0
24368	2.00	15.00	5.60	5.00	2.60	-100.0
24369	2.10	14.00	2.70	2.20	4.80	-100.0
24370	1.10	6.00	-2.00	-2.00	2.30	-100.0
24371	1.30	7.10	-2.00	2.50	2.90	-100.0
24372	2.00	14.00	4.40	4.10	4.10	-100.0
24373	-1.00	12.00	-2.00	3.00	4.30	-100.0
24374	2.30	13.00	-2.00	3.80	5.00	-100.0
24375	1.70	14.00	3.40	-2.00	3.70	-100.0
24376	2.10	16.00	2.50	3.50	4.20	-100.0
24377	8.70	35.00	-2.00	5.70	3.00	-100.0
24378	2.70	16.00	-2.00	4.20	4.60	-100.0
24379	1.80	13.00	-2.00	4.90	4.00	-100.0
24380	-1.00	2.10	-2.00	-2.00	1.70	830.0

24381	-1.00	14.00	3.60	-2.00	3.10	3700.0
24382	1.70	12.00	-2.00	4.80	3.40	450.0
24383	-1.00	3.50	-2.00	-2.00	1.20	2100.0
24384	1.40	12.00	-2.00	3.20	3.50	-100.0
24385	1.50	7.00	-2.00	-2.00	2.20	-100.0
24386	-1.00	3.40	-2.00	-2.00	1.50	-100.0
24387	-1.00	2.40	-2.00	-2.00	.86	-100.0
24388	1.70	16.00	-2.00	2.10	3.90	-100.0
24389	-1.00	13.00	4.20	-2.00	3.30	1300.0
24390	1.70	16.00	5.40	2.40	3.80	800.0
24391	1.10	16.00	3.20	3.10	4.00	1600.0
24392	1.30	15.00	-2.00	2.30	4.10	-100.0
24393	1.10	14.00	-2.00	2.20	3.50	-100.0
24316×2	1.70	14.00	2.80	3.20	2.50	-100.0
24335×2	6.50	13.00	-2.00	-2.00	2.70	370.0
24359×2	-1.00	2.90	-2.00	-2.00	.80	-100.0
24375×2	1.90	14.00	2.20	-2.00	3.70	-100.0
24385×2	1.50	7.10	-2.00	-2.00	2.20	-100.0

424265

201

424266

[redacted] TASMANIA
[redacted]QUEREL JOB # 870
NOTE : RESULTS ARE IN ppm; Au, Ir ARE IN ppb;
Fe, K, Na ARE IN %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24486	1.90	3.20	490.0	3.20	85.00	7.70	73.0
24487	4.30	7.30	550.0	4.20	89.00	8.80	80.0
24488	6.10	2.20	180.0	-2.00	58.00	3.60	60.0
24489	.90	-2.00	-100.0	-2.00	62.00	1.70	49.0
24490	1.40	-2.00	270.0	15.00	62.00	4.10	37.0
24491	.91	-2.00	130.0	-2.00	63.00	1.30	53.0
24492	2.40	13.00	250.0	-2.00	79.00	3.40	40.0
24493	1.80	-2.00	330.0	-2.00	74.00	4.10	69.0
24494	.88	-2.00	150.0	4.40	48.00	1.90	21.0
24495	2.30	8.80	430.0	8.90	97.00	9.20	120.0
24496	1.20	2.30	180.0	3.10	54.00	6.00	33.0
24497	.52	-2.00	-100.0	2.20	39.00	1.60	56.0
24498	.59	-2.00	170.0	3.40	62.00	3.20	27.0
24499	.88	-2.00	420.0	3.60	92.00	8.90	86.0
24500	2.70	299.00	520.0	-2.00	27.00	-1.00	55.0
24501	.86	-2.00	120.0	4.50	43.00	2.80	23.0
24502	1.80	-2.00	430.0	7.10	90.00	7.90	67.0
24503	1.50	-2.00	140.0	4.90	52.00	4.40	46.0
[redacted]04	1.70	5.30	280.0	8.80	240.00	7.40	899.0
24505	2.00	10.00	120.0	99.00	130.00	1.90	536.0
24506	1.40	12.00	290.0	100.00	130.00	3.20	541.0
24507	1.30	6.80	480.0	98.00	150.00	6.00	490.0
24508	1.00	5.20	2400.0	49.00	87.00	3.40	480.0
24509	2.90	22.00	160.0	7.70	130.00	3.50	854.0
24510	.71	-2.00	-100.0	2.20	33.00	2.30	61.0
24511	.83	-2.00	180.0	-2.00	46.00	3.90	39.0
24512	15.00	9.30	120.0	12.00	130.00	12.00	310.0
24513	2.70	6.30	130.0	8.80	100.00	7.20	573.0
24514	2.10	12.00	-100.0	42.00	86.00	14.00	610.0
24515	1.30	11.00	130.0	3.20	120.00	4.60	743.0
24516	.75	9.50	-100.0	6.10	130.00	3.60	823.0
24517	1.30	36.00	-100.0	10.00	12.00	6.50	120.0
24518	1.70	14.00	370.0	17.00	91.00	21.00	350.0
24519	1.30	5.10	770.0	2.40	100.00	15.00	74.0
24520	2.80	295.00	500.0	-2.00	27.00	1.00	50.0
24521	1.90	6.50	880.0	5.50	72.00	19.00	84.0
24522	1.20	4.40	200.0	5.30	140.00	10.00	689.0
24523	1.00	3.60	630.0	4.30	92.00	15.00	78.0
24524	.53	-2.00	230.0	7.80	92.00	5.40	160.0
24525	.30	-2.00	-100.0	3.70	23.00	-1.00	150.0
24526	.58	-2.00	-100.0	25.00	15.00	-1.00	220.0
24527	.39	-2.00	-100.0	4.80	3.90	-1.00	567.0
24528	1.20	-2.00	160.0	23.00	52.00	5.50	62.0
[redacted]29	1.10	-2.00	120.0	32.00	47.00	7.50	100.0
24530	1.10	4.20	110.0	25.00	40.00	5.20	48.0
24531	.92	-2.00	-100.0	6.70	18.00	1.80	84.0
24532	.85	-2.00	110.0	13.00	30.00	3.80	46.0
24533	.87	4.20	-100.0	5.90	22.00	2.10	110.0
24534	.94	5.10	-100.0	12.00	25.00	2.00	18.0
24535	5.50	6.80	310.0	5.30	84.00	5.60	97.0
24536	12.00	21.00	470.0	7.90	84.00	14.00	66.0
24537	.43	-2.00	-100.0	2.90	30.00	-1.00	56.0

24538	.67	-2.00	-100.0	2.90	25.00	1.00	13.0
24539	.87	-2.00	120.0	2.60	48.00	2.60	45.0
24540	2.50	294.00	520.0	-2.00	27.00	-1.00	49.0
24541	.57	-2.00	-100.0	3.20	26.00	-1.00	13.0
24542	.74	-2.00	100.0	3.20	36.00	1.60	67.0
24543	.69	-2.00	320.0	8.90	77.00	7.20	41.0
24544	1.00	-2.00	460.0	3.30	120.00	14.00	85.0
24545	1.00	-2.00	120.0	3.70	41.00	2.20	22.0
24546	1.10	-2.00	440.0	3.60	87.00	7.70	59.0
24547	1.00	-2.00	-100.0	9.40	29.00	2.10	15.0
24548	1.00	-2.00	-100.0	7.70	40.00	1.40	52.0
24549	3.40	15.00	460.0	19.00	90.00	12.00	62.0
24550	1.50	-2.00	170.0	-2.00	51.00	2.00	30.0
24551	1.10	-2.00	280.0	5.00	59.00	4.40	34.0
24552	1.50	-2.00	350.0	6.30	62.00	6.50	54.0
24553	1.10	-2.00	-100.0	2.70	28.00	2.00	17.0
24554	1.10	-2.00	660.0	3.00	88.00	10.00	63.0
24555	1.00	2.60	490.0	10.00	84.00	8.70	60.0
24556	.75	-2.00	-100.0	7.00	15.00	-1.00	50.0
24557	3.60	16.00	530.0	19.00	120.00	11.00	72.0
24558	1.00	3.10	380.0	5.90	85.00	11.00	74.0
24559	3.00	4.20	400.0	4.30	74.00	11.00	56.0
24560	2.80	298.00	470.0	-2.00	24.00	1.90	55.0
24561	1.60	5.90	410.0	25.00	84.00	10.00	82.0
24562	.92	-2.00	150.0	10.00	34.00	4.20	25.0
24563	.67	2.20	-100.0	45.00	110.00	2.50	570.0
24564	1.00	-2.00	670.0	2.00	94.00	10.00	66.0
24565	3.20	7.40	710.0	3.70	80.00	17.00	91.0
24566	4.30	7.70	250.0	32.00	90.00	10.00	240.0
24567	4.90	14.00	520.0	2.80	96.00	16.00	80.0
24568	2.70	-2.00	350.0	3.10	74.00	10.00	54.0
24569	3.60	-2.00	210.0	-2.00	160.00	13.00	300.0
24570	4.00	12.00	480.0	3.50	88.00	21.00	83.0
24571	2.30	7.60	120.0	-2.00	58.00	2.60	49.0
24572	5.20	20.00	-100.0	17.00	130.00	17.00	490.0
24573	3.00	3.60	1100.0	3.10	96.00	8.50	91.0
24574	1.00	2.50	900.0	3.50	110.00	13.00	72.0
24575	5.20	2.00	1000.0	3.30	100.00	20.00	100.0
24576	2.90	5.10	270.0	2.10	150.00	10.00	681.0
24577	.46	26.00	-100.0	10.00	3.70	1.60	90.0
24578	2.30	20.00	240.0	-2.00	160.00	14.00	240.0
24499x2	.85	-2.00	410.0	3.20	93.00	8.50	77.0
24510x2	.68	-2.00	110.0	2.50	35.00	2.20	59.0
24527x2	.45	-2.00	-100.0	4.80	4.70	-1.00	561.0
24558x2	1.10	3.00	440.0	5.50	82.00	10.00	74.0
24569x2	3.30	2.80	290.0	-2.00	160.00	12.00	310.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24486	-1.00	1.20	-5.0	8.10	-20.0	.580	44.00
24487	-1.00	1.30	-5.0	8.00	-20.0	.630	46.00
24488	-1.00	.81	-5.0	7.40	-20.0	.380	30.00
24489	-1.00	.80	-5.0	9.60	-20.0	.330	33.00
24490	-1.00	.92	-5.0	7.10	-20.0	.390	32.00
24491	-1.00	.86	-5.0	9.20	-20.0	.290	32.00
24492	-1.00	1.20	-5.0	12.00	-20.0	.500	40.00
24493	-1.00	1.00	-5.0	8.40	-20.0	.490	38.00
24494	-1.00	.66	-5.0	6.70	-20.0	.360	24.00
24495	-1.00	1.80	-5.0	8.20	-20.0	1.000	51.60
24496	-1.00	.84	-5.0	7.70	-20.0	.620	28.00
24497	-1.00	.54	-5.0	8.40	-20.0	.330	20.00
24498	-1.00	.90	-5.0	12.00	-20.0	.430	33.00
24499	-1.00	1.10	-5.0	11.00	-20.0	.560	48.00
24500	16.00	.90	430.0	2.40	-20.0	4.500	14.00
24501	-1.00	.55	-5.0	5.40	-20.0	.390	21.00
24502	-1.00	1.20	-5.0	10.00	-20.0	.520	46.00

24503	-1.00	.66	-5.0	7.40	-20.0	.530	28.00
24504	11.00	7.50	-5.0	11.00	-20.0	2.900	134.00
24505	2.90	2.40	-5.0	13.00	-20.0	13.200	76.30
24506	10.00	2.60	-5.0	12.00	-20.0	11.600	79.80
24507	7.20	3.00	-5.0	11.00	-20.0	9.880	88.30
24508	94.00	2.40	-5.0	6.20	-20.0	6.890	50.00
24509	40.00	3.40	-5.0	7.90	-20.0	7.720	73.40
24510	-1.00	.51	-5.0	6.50	-20.0	.450	18.00
24511	-1.00	.79	-5.0	7.50	-20.0	.470	25.00
24512	32.00	3.40	-5.0	10.00	-20.0	3.600	77.70
24513	62.00	2.90	-5.0	8.00	-20.0	4.100	56.50
24514	26.00	1.90	-5.0	7.10	-20.0	10.700	50.00
24515	53.00	3.10	-5.0	8.50	-20.0	7.610	66.30
24516	62.00	3.50	-5.0	10.00	-20.0	10.100	72.50
24517	2.60	-.50	-5.0	2.00	-20.0	39.700	7.10
24518	18.00	1.80	-5.0	8.20	-20.0	8.860	50.40
24519	6.70	1.60	-5.0	6.30	-20.0	.820	55.20
24520	16.00	1.00	220.0	2.50	-20.0	4.400	14.00
24521	10.00	1.20	6.0	5.00	-20.0	2.000	38.00
24522	33.00	4.30	-5.0	10.00	-20.0	5.160	81.50
24523	5.00	1.40	-5.0	7.80	-20.0	1.500	48.00
24524	1.40	-.50	-5.0	5.00	-20.0	.670	51.30
24525	-1.00	-.50	-5.0	2.10	-20.0	.310	14.00
24526	-1.00	-.50	-5.0	6.30	-20.0	.360	8.20
24527	-1.00	-.50	-5.0	3.40	-20.0	.450	2.60
24528	-1.00	.65	-5.0	6.80	-20.0	.340	28.00
24529	1.10	.76	-5.0	6.10	-20.0	.410	25.00
24530	-1.00	.62	-5.0	5.90	-20.0	.650	22.00
24531	-1.00	-.50	-5.0	3.00	-20.0	.710	10.00
24532	-1.00	-.50	-5.0	4.10	-20.0	.540	17.00
24533	1.30	-.50	-5.0	3.80	-20.0	.700	11.00
24534	-1.00	-.50	-5.0	4.20	-20.0	.650	13.00
24535	-1.00	.84	-5.0	6.00	-20.0	.900	44.00
24536	-1.00	1.20	-5.0	6.60	-20.0	.720	43.00
24537	-1.00	-.50	-5.0	5.30	-20.0	.390	15.00
24538	-1.00	-.50	-5.0	4.40	-20.0	.330	13.00
24539	-1.00	.71	-5.0	7.30	-20.0	.350	24.00
24540	15.00	.86	210.0	2.40	-20.0	4.400	14.00
24541	-1.00	-.50	-5.0	4.70	-20.0	.320	13.00
24542	-1.00	-.50	-5.0	6.20	-20.0	.460	19.00
24543	-1.00	1.00	-5.0	7.60	-20.0	.530	42.00
24544	-1.00	1.20	-5.0	7.40	-20.0	.670	67.20
24545	-1.00	.61	-5.0	9.30	-20.0	.320	20.00
24546	-1.00	1.10	-5.0	8.00	-20.0	.550	45.00
24547	-1.00	-.50	-5.0	6.50	-20.0	.470	14.00
24548	-1.00	-.50	-5.0	8.90	-20.0	.360	20.00
24549	-1.00	1.30	-5.0	8.10	-20.0	.800	46.00
24550	-1.00	.71	-5.0	12.00	-20.0	.350	27.00
24551	-1.00	.91	-5.0	7.30	-20.0	.450	31.00
24552	-1.00	.83	-5.0	8.60	-20.0	.540	33.00
24553	-1.00	-.50	-5.0	5.10	-20.0	.480	14.00
24554	1.30	1.00	-5.0	6.10	-20.0	.600	48.00
24555	3.00	.95	-5.0	6.20	-20.0	3.000	45.00
24556	-1.00	-.50	-5.0	3.00	-20.0	.530	7.90
24557	1.30	1.60	-5.0	9.00	-20.0	1.900	64.00
24558	-1.00	1.10	-5.0	7.40	-20.0	1.500	44.00
24559	-1.00	.94	-5.0	5.60	-20.0	1.200	38.00
24560	16.00	.64	420.0	2.70	-20.0	4.500	14.00
24561	2.50	1.10	-5.0	7.60	-20.0	2.800	45.00
24562	-1.00	-.50	-5.0	3.90	-20.0	.630	18.00
24563	3.80	2.80	-5.0	8.40	-20.0	4.700	65.40
24564	-1.00	1.00	-5.0	6.90	-20.0	.680	50.90
24565	3.20	1.30	-5.0	5.00	-20.0	3.400	45.00
24566	6.00	1.60	-5.0	10.00	-20.0	6.460	51.80
24567	10.00	1.40	-5.0	7.90	-20.0	2.800	51.20
24568	-1.00	-.50	-5.0	7.00	-20.0	.620	39.00

24569	26.00	6.10	-5.0	10.00	-20.0	5.050	97.00
24570	10.00	1.50	-5.0	6.60	-20.0	3.100	46.00
24571	-1.00	.71	-5.0	7.20	-20.0	.950	30.00
24572	5.30	3.50	-5.0	9.00	-20.0	5.050	79.80
24573	2.20	1.30	-5.0	6.60	-20.0	.870	55.00
24574	-1.00	1.20	-5.0	6.50	-20.0	1.000	58.10
24575	1.90	.91	-5.0	5.60	-20.0	1.300	56.80
24576	34.00	4.40	-5.0	9.30	-20.0	5.380	86.60
24577	10.00	-.50	-5.0	-1.00	-20.0	45.500	3.90
24578	73.00	4.30	-5.0	10.00	-20.0	4.400	83.40
24499x2	-1.00	1.10	-5.0	10.00	-20.0	.540	46.00
24510x2	-1.00	-.50	-5.0	6.30	-20.0	.450	17.00
24527x2	1.00	-.50	-5.0	3.20	-20.0	.460	2.60
24558x2	1.50	1.40	-5.0	7.10	-20.0	1.500	43.00
24569x2	26.00	6.10	-5.0	10.00	-20.0	5.020	97.40

S#	Lu	Mo	Rb	Sm	Sc	Se	Ag
24486	.75	-5.0	160.0	8.10	10.60	-5.0	-5.00
24487	.82	-5.0	190.0	8.80	13.30	-5.0	-5.00
24488	.52	-5.0	79.0	5.70	5.60	-5.0	-5.00
24489	.39	-5.0	39.0	5.10	3.80	-5.0	-5.00
24490	.53	-5.0	88.0	6.00	6.60	-5.0	-5.00
24491	.44	-5.0	47.0	5.70	3.10	-5.0	-5.00
24492	.75	-5.0	93.0	7.20	7.80	-5.0	-5.00
24493	.60	-5.0	96.0	7.30	7.50	-5.0	-5.00
24494	.41	-5.0	39.0	4.50	2.80	-5.0	-5.00
24495	.69	-5.0	140.0	9.30	15.20	-5.0	-5.00
24496	.55	-5.0	65.0	5.10	4.80	-5.0	-5.00
24497	.41	-5.0	-20.0	3.60	2.00	-5.0	-5.00
24498	.64	-5.0	60.0	5.90	4.90	-5.0	-5.00
24499	.80	-5.0	160.0	8.30	11.20	-5.0	-5.00
24500	.37	-5.0	45.0	4.10	12.90	-5.0	-5.00
24501	.39	-5.0	49.0	3.70	3.60	-5.0	-5.00
24502	.76	-5.0	150.0	8.40	10.00	-5.0	-5.00
24503	.46	-5.0	56.0	4.60	4.90	-5.0	-5.00
24504	.85	-5.0	-20.0	26.50	36.20	-5.0	-5.00
24505	.70	-5.0	29.0	10.00	19.40	-5.0	-5.00
24506	.69	-5.0	33.0	11.00	15.10	-5.0	-5.00
24507	.57	-5.0	39.0	13.00	17.10	-5.0	-5.00
24508	.39	-5.0	43.0	8.40	17.70	-5.0	-5.00
24509	.48	-5.0	27.0	12.00	38.20	-5.0	-5.00
24510	.37	-5.0	31.0	3.10	2.40	-5.0	-5.00
24511	.47	-5.0	52.0	4.30	4.30	-5.0	-5.00
24512	.49	-5.0	210.0	13.00	26.20	7.0	-5.00
24513	.46	-5.0	81.0	11.00	29.00	-5.0	-5.00
24514	.41	-5.0	60.0	8.00	23.60	-5.0	-5.00
24515	.54	-5.0	42.0	12.00	30.20	-5.0	-5.00
24516	.50	-5.0	23.0	14.00	32.70	-5.0	-5.00
24517	-.20	-5.0	76.0	1.50	3.20	-5.0	-5.00
24518	.51	-5.0	110.0	8.70	19.50	-5.0	-5.00
24519	.78	-5.0	230.0	10.00	15.50	-5.0	-5.00
24520	.32	-5.0	41.0	4.20	12.70	-5.0	-5.00
24521	.63	-5.0	180.0	7.10	12.60	-5.0	-5.00
24522	.63	-5.0	27.0	15.00	31.10	-5.0	-5.00
24523	.73	-5.0	110.0	9.50	13.70	-5.0	-5.00
24524	.27	-5.0	110.0	2.10	7.00	-5.0	-5.00
24525	-.20	-5.0	-20.0	.59	.53	-5.0	-5.00
24526	-.20	-5.0	-20.0	1.00	.71	-5.0	-5.00
24527	-.20	-5.0	-20.0	.46	.26	-5.0	-5.00
24528	.39	-5.0	48.0	4.60	4.00	-5.0	-5.00
24529	.40	-5.0	42.0	4.20	3.90	-5.0	-5.00
24530	.36	-5.0	38.0	3.70	3.20	-5.0	-5.00
24531	-.20	-5.0	-20.0	1.80	1.50	-5.0	-5.00
24532	.25	-5.0	33.0	2.90	2.80	-5.0	-5.00
24533	-.20	-5.0	21.0	2.00	1.80	-5.0	-5.00

24534	.22	-5.0	25.0	2.30	1.80	-5.0	-5.00
24535	.66	-5.0	110.0	7.70	10.80	-5.0	-5.00
24536	.68	-5.0	160.0	8.60	12.00	-5.0	-5.00
24537	.26	-5.0	-20.0	3.00	1.00	-5.0	-5.00
24538	.26	-5.0	-20.0	2.40	1.30	-5.0	-5.00
24539	.43	-5.0	35.0	4.40	3.50	-5.0	-5.00
24540	.35	-5.0	57.0	4.10	12.60	-5.0	-5.00
24541	.27	-5.0	-20.0	2.40	1.20	-5.0	-5.00
24542	.35	-5.0	22.0	3.40	2.00	-5.0	-5.00
24543	.55	-5.0	100.0	7.10	7.10	-5.0	-5.00
24544	.74	-5.0	240.0	9.50	10.60	-5.0	-5.00
24545	.50	-5.0	33.0	3.80	3.00	-5.0	-5.00
24546	.73	-5.0	170.0	7.80	10.80	-5.0	-5.00
24547	.35	-5.0	25.0	2.70	2.20	-5.0	-5.00
24548	.45	-5.0	-20.0	3.70	2.20	-5.0	-5.00
24549	.79	-5.0	190.0	8.60	11.80	-5.0	-5.00
24550	.66	-5.0	69.0	4.80	4.60	-5.0	-5.00
24551	.58	-5.0	120.0	6.00	7.40	-5.0	-5.00
24552	.68	-5.0	130.0	6.10	8.70	-5.0	-5.00
24553	.29	-5.0	24.0	2.70	2.30	-5.0	-5.00
24554	.71	-5.0	240.0	8.40	14.30	-5.0	-5.00
24555	.68	-5.0	180.0	7.80	13.40	-5.0	-5.00
24556	-.20	-5.0	-20.0	1.50	1.40	-5.0	-5.00
24557	.93	-5.0	230.0	13.00	15.80	-5.0	-5.00
24558	.68	-5.0	180.0	8.70	12.20	-5.0	-5.00
24559	.54	-5.0	220.0	6.90	10.40	-5.0	-5.00
24560	.34	-5.0	50.0	4.20	12.60	-5.0	-5.00
24561	.70	-5.0	200.0	7.70	13.10	-5.0	-5.00
24562	.31	-5.0	64.0	3.20	4.30	-5.0	-5.00
24563	.46	-5.0	-20.0	11.00	19.90	-5.0	-5.00
24564	.64	-5.0	190.0	7.20	10.10	-5.0	-5.00
24565	.55	-5.0	190.0	7.00	11.10	-5.0	-5.00
24566	.43	-5.0	62.0	7.20	15.70	-5.0	-5.00
24567	.80	-5.0	190.0	10.00	14.10	-5.0	-5.00
24568	.64	-5.0	150.0	5.70	11.00	-5.0	-5.00
24569	.71	-5.0	33.0	20.00	31.40	-5.0	-5.00
24570	.70	-5.0	180.0	9.30	13.60	-5.0	-5.00
24571	.44	-5.0	64.0	5.00	3.10	-5.0	-5.00
24572	.58	-5.0	130.0	14.00	28.60	-5.0	-5.00
24573	.70	-5.0	220.0	7.70	11.20	-5.0	-5.00
24574	.71	-5.0	190.0	9.10	13.00	-5.0	-5.00
24575	.62	-5.0	230.0	8.10	12.60	-5.0	-5.00
24576	.59	-5.0	21.0	17.00	30.40	-5.0	-5.00
24577	-.20	-5.0	85.0	1.00	1.90	-5.0	-5.00
24578	.66	-5.0	89.0	18.00	26.50	-5.0	-5.00
24499x2	.75	-5.0	150.0	7.90	10.70	-5.0	-5.00
24510x2	.35	-5.0	30.0	3.00	2.40	-5.0	-5.00
24527x2	-.20	-5.0	-20.0	.45	.26	-5.0	-5.00
24558x2	.68	-5.0	170.0	8.60	12.00	-5.0	-5.00
24569x2	.76	-5.0	39.0	20.00	31.50	-5.0	-5.00

S#	Ta	Th	W	U	Yb	Zn
24486	1.90	14.00	2.10	3.30	3.60	-100.0
24487	1.20	17.00	-2.00	3.50	4.00	100.0
24488	1.50	9.10	2.40	2.60	2.70	-100.0
24489	-1.00	6.70	-2.00	-2.00	1.90	-100.0
24490	1.30	10.00	-2.00	2.30	2.60	-100.0
24491	1.10	8.20	-2.00	-2.00	2.30	-100.0
24492	1.30	13.00	2.30	3.00	3.60	-100.0
24493	1.20	12.00	-2.00	2.60	3.10	-100.0
24494	-1.00	6.50	-2.00	-2.00	2.10	-100.0
24495	2.40	13.00	-2.00	3.40	3.40	-100.0
24496	1.30	8.10	-2.00	-2.00	2.70	-100.0
24497	-1.00	5.10	-2.00	-2.00	2.00	-100.0
24498	1.10	10.00	-2.00	2.40	3.30	-100.0

24499	1.40	16.00	2.20	3.40	3.90	-100.0
24500	-1.00	2.00	6.60	-2.00	1.70	860.0
24501	-1.00	6.00	-2.00	-2.00	1.90	-100.0
24502	1.40	14.00	3.10	2.90	3.80	-100.0
24503	1.20	7.10	2.50	-2.00	2.40	-100.0
24504	9.40	14.00	-2.00	-2.00	3.90	200.0
24505	10.00	15.00	-2.00	3.60	3.50	-100.0
24506	8.40	14.00	2.70	-2.00	3.40	110.0
24507	7.20	13.00	-2.00	2.30	2.90	-100.0
24508	4.50	6.80	-2.00	-2.00	1.90	180.0
24509	7.20	10.00	-2.00	-2.00	2.30	260.0
24510	-1.00	4.60	-2.00	-2.00	1.80	-100.0
24511	-1.00	6.70	-2.00	-2.00	2.40	-100.0
24512	6.90	12.00	-2.00	7.40	2.50	270.0
24513	5.90	9.40	-2.00	-2.00	2.50	280.0
24514	5.90	7.70	-2.00	2.10	2.00	130.0
24515	6.10	10.00	-2.00	2.00	2.70	310.0
24516	8.20	12.00	-2.00	2.30	2.60	250.0
24517	-1.00	3.20	-2.00	-2.00	.63	-100.0
24518	4.80	12.00	-2.00	2.50	2.80	140.0
24519	1.40	19.00	-2.00	3.80	4.00	240.0
24520	-1.00	2.10	2.40	-2.00	1.70	820.0
24521	1.30	12.00	-2.00	2.50	3.20	230.0
24522	7.20	14.00	-2.00	3.80	3.30	280.0
24523	1.60	16.00	2.60	3.30	3.60	240.0
24524	1.70	8.70	-2.00	-2.00	1.20	-100.0
24525	-1.00	1.20	-2.00	-2.00	-.50	-100.0
24526	-1.00	2.10	-2.00	-2.00	.60	-100.0
24527	-1.00	.73	-2.00	-2.00	-.50	-100.0
24528	1.30	6.70	-2.00	-2.00	2.10	-100.0
24529	1.10	6.50	-2.00	2.60	1.90	-100.0
24530	1.00	5.40	-2.00	-2.00	1.80	-100.0
24531	-1.00	2.60	-2.00	-2.00	.84	-100.0
24532	-1.00	4.40	-2.00	-2.00	1.40	-100.0
24533	-1.00	3.20	-2.00	-2.00	1.00	210.0
24534	-1.00	3.50	-2.00	-2.00	1.10	-100.0
24535	1.90	12.00	2.90	3.30	3.20	-100.0
24536	2.20	15.00	-2.00	4.00	3.20	340.0
24537	-1.00	3.40	-2.00	-2.00	1.40	-100.0
24538	-1.00	3.20	-2.00	-2.00	1.30	-100.0
24539	1.20	6.70	-2.00	-2.00	2.30	-100.0
24540	-1.00	2.20	-2.00	-2.00	1.70	830.0
24541	-1.00	3.20	-2.00	-2.00	1.40	-100.0
24542	1.00	4.90	-2.00	-2.00	1.70	-100.0
24543	1.70	11.00	3.20	2.50	2.90	-100.0
24544	4.50	17.00	2.30	3.90	3.60	-100.0
24545	1.10	6.00	2.60	-2.00	2.50	-100.0
24546	1.30	14.00	-2.00	3.20	3.30	-100.0
24547	-1.00	4.50	-2.00	-2.00	1.80	-100.0
24548	1.20	5.50	-2.00	-2.00	2.20	-100.0
24549	1.70	16.00	2.40	3.00	3.80	-100.0
24550	1.20	10.00	-2.00	2.80	3.30	-100.0
24551	1.20	11.00	-2.00	3.20	2.80	-100.0
24552	1.40	11.00	-2.00	3.10	3.50	-100.0
24553	-1.00	4.20	-2.00	-2.00	1.50	-100.0
24554	-1.00	17.00	-2.00	4.90	3.50	-100.0
24555	-1.00	16.00	-2.00	3.80	3.50	-100.0
24556	-1.00	2.50	-2.00	-2.00	.90	-100.0
24557	2.50	20.00	-2.00	4.80	4.50	-100.0
24558	1.20	14.00	2.60	3.70	3.70	-100.0
24559	-1.00	12.00	-2.00	3.30	2.70	-100.0
24560	-1.00	2.00	2.70	-2.00	1.70	840.0
24561	1.20	15.00	2.20	3.30	3.60	-100.0
24562	-1.00	5.60	-2.00	-2.00	1.70	-100.0
24563	7.00	10.00	-2.00	3.30	2.30	180.0
24564	2.80	13.00	2.60	4.10	3.30	-100.0

24565	1.50	14.00	2.40	2.70	2.80	120.0
24566	6.20	8.30	-2.00	-2.00	2.30	260.0
24567	2.30	17.00	3.10	4.30	4.10	-100.0
24568	1.80	12.00	2.80	4.60	3.20	-100.0
24569	7.70	10.00	-2.00	3.70	3.70	550.0
24570	1.50	15.00	2.70	3.40	3.50	190.0
24571	1.30	7.40	-2.00	-2.00	2.20	-100.0
24572	7.70	11.00	-2.00	4.30	3.00	170.0
24573	1.60	13.00	2.40	4.10	3.40	-100.0
24574	1.90	17.00	2.50	3.30	3.50	-100.0
24575	1.20	15.00	2.70	3.70	3.30	140.0
24576	8.10	11.00	-2.00	3.10	3.20	210.0
24577	-1.00	1.20	-2.00	-2.00	-.50	-100.0
24578	4.90	14.00	-2.00	-2.00	3.60	330.0
24499x2	1.50	15.00	-2.00	-2.00	3.80	-100.0
24510x2	-1.00	4.70	-2.00	-2.00	1.80	-100.0
24527x2	-1.00	.69	-2.00	-2.00	-.50	-100.0
24558x2	1.60	14.00	-2.00	3.00	3.50	-100.0
24569x2	8.00	11.00	-2.00	-2.00	3.40	530.0

424273

RES TASMANIA
BECQUEREL JOB # 871
NOTE : RESULTS ARE IN ppm; Au, Ir ARE IN ppb;
Fe, K, Na ARE IN %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24394	1.90	9.20	-100.0	3.70	44.00	2.50	41.0
24395	.89	-2.00	220.0	8.00	58.00	4.70	66.0
24396	1.30	-2.00	-100.0	7.80	9.20	-1.00	9.3
24397	1.90	-2.00	520.0	3.60	100.00	6.70	71.0
24398	1.40	-2.00	-100.0	10.00	30.00	1.40	17.0
24399	3.00	-2.00	700.0	4.20	87.00	10.00	69.0
24400	2.80	298.00	470.0	-2.00	27.00	1.50	49.0
24401	1.00	-2.00	120.0	8.20	43.00	2.00	21.0
24402	1.30	-2.00	220.0	12.00	57.00	5.30	68.0
24403	1.10	-2.00	-100.0	6.70	16.00	-1.00	16.0
24404	2.00	-2.00	-100.0	6.80	39.00	-1.00	54.0
24405	1.10	-2.00	420.0	11.00	75.00	4.90	40.0
24406	4.70	-2.00	390.0	6.70	66.00	6.70	64.0
24407	.75	-2.00	210.0	7.10	48.00	2.80	21.0
24408	118.00	287.00	280.0	12.00	66.00	10.00	100.0
24409	5.80	13.00	-100.0	12.00	16.00	-1.00	52.0
24410	1.60	2.20	140.0	12.00	46.00	7.40	120.0
24411	1.20	-2.00	-100.0	42.00	26.00	2.20	98.0
24412	1.70	2.00	180.0	10.00	42.00	6.00	556.0
24413	2.80	5.10	520.0	3.70	87.00	17.00	66.0
24414	3.70	-2.00	420.0	4.90	88.00	8.20	69.0
24415	1.10	-2.00	570.0	10.00	99.00	12.00	72.0
24416	5.10	-2.00	500.0	4.80	120.00	11.00	85.0
24417	10.00	20.00	380.0	3.90	78.00	6.70	180.0
24418	2.60	-2.00	500.0	3.10	100.00	10.00	76.0
24419	12.00	22.00	560.0	3.70	83.00	7.20	200.0
24420	2.70	291.00	450.0	-2.00	26.00	1.70	49.0
24421	1.10	-2.00	280.0	6.60	88.00	5.00	64.0
24422	18.00	-2.00	-100.0	7.70	17.00	3.10	16.0
24423	5.00	-2.00	120.0	4.50	45.00	2.60	52.0
24424	24.70	15.00	490.0	4.90	110.00	8.20	67.0
24425	13.00	5.80	300.0	8.70	68.00	6.50	200.0
24426	16.00	15.00	220.0	7.70	89.00	6.50	230.0
24427	2.90	6.50	660.0	3.30	110.00	17.00	95.0
24428	2.80	5.30	370.0	4.80	80.00	6.60	45.0
24429	1.30	-2.00	560.0	3.80	95.00	8.70	75.0
24430	2.20	-2.00	630.0	3.90	90.00	11.00	63.0
24431	56.90	80.00	110.0	4.50	47.00	4.70	65.0
24432	21.60	9.50	690.0	3.70	100.00	17.00	76.0
24433	3.20	-2.00	480.0	4.40	83.00	8.70	57.0
24434	1.70	-2.00	260.0	7.30	58.00	4.40	67.0
24435	2.10	-2.00	320.0	5.40	83.00	5.30	46.0
24436	3.50	-2.00	540.0	4.50	95.00	10.00	83.0
24437	2.70	-2.00	310.0	4.30	75.00	5.70	39.0
24438	1.60	-2.00	130.0	6.30	43.00	2.80	59.0
24439	.77	-2.00	-100.0	3.80	28.00	1.10	18.0
24440	2.70	291.00	450.0	-2.00	28.00	1.50	50.0
24441	1.00	-2.00	-100.0	2.80	33.00	-1.00	69.0
24442	9.40	27.00	420.0	20.00	110.00	7.40	350.0
24443	2.10	-2.00	-100.0	4.50	32.00	1.10	99.0
24444	1.30	-2.00	120.0	7.40	42.00	2.10	30.0
24445	1.00	-2.00	100.0	3.70	33.00	1.70	49.0

24446	1.90	-2.00	600.0	5.50	120.00	8.40	77.0
24447	1.30	-2.00	600.0	13.00	80.00	7.40	57.0
24448	1.10	-2.00	570.0	11.00	76.00	6.90	65.0
24449	2.10	2.00	690.0	5.00	120.00	8.70	63.0
24450	.91	-2.00	550.0	4.30	85.00	8.10	59.0
24451	3.00	27.00	630.0	52.00	81.00	12.00	65.0
24452	.63	-2.00	660.0	6.90	100.00	10.00	71.0
24453	.87	-2.00	540.0	8.20	93.00	7.80	46.0
24454	.64	-2.00	400.0	8.40	57.00	5.30	56.0
24455	2.70	-2.00	430.0	10.00	72.00	6.60	51.0
24456	3.20	-2.00	710.0	2.30	84.00	11.00	65.0
24457	.78	-2.00	-100.0	-2.00	63.00	-1.00	10.0
24458	.57	-2.00	-100.0	3.00	45.00	-1.00	43.0
24459	1.10	-2.00	270.0	-2.00	88.00	3.40	25.0
24460	2.80	294.00	400.0	-2.00	28.00	-1.00	48.0
24461	.87	-2.00	170.0	-2.00	90.00	2.40	65.0
24462	.94	-2.00	270.0	-2.00	71.00	3.30	23.0
24463	1.70	-2.00	500.0	5.30	82.00	7.90	74.0
24464	.56	-2.00	130.0	-2.00	38.00	2.00	14.0
24465	1.10	-2.00	110.0	7.20	40.00	2.40	59.0
24466	1.40	-2.00	490.0	5.60	130.00	13.00	82.0
24467	.60	-2.00	120.0	6.50	40.00	2.30	16.0
24468	.80	-2.00	-100.0	8.60	25.00	2.30	518.0
24469	.83	-2.00	-100.0	11.00	33.00	3.50	210.0
24470	1.80	-2.00	390.0	21.00	34.00	8.70	130.0
24471	2.10	-2.00	490.0	8.40	130.00	9.20	73.0
24472	.76	-2.00	-100.0	7.20	23.00	-1.00	130.0
24473	32.40	5.20	470.0	6.40	90.00	11.00	120.0
24474	2.30	-2.00	410.0	7.70	70.00	6.50	91.0
24475	2.40	-2.00	290.0	10.00	62.00	7.60	60.0
24476	2.10	5.90	780.0	7.50	92.00	10.00	89.0
24477	10.00	10.00	380.0	5.20	95.00	9.40	160.0
24478	6.10	7.50	450.0	3.00	78.00	10.00	100.0
24479	3.80	3.30	410.0	2.60	86.00	10.00	68.0
24480	2.80	296.00	400.0	-2.00	29.00	1.10	52.0
24481	5.00	7.80	260.0	4.40	60.00	6.00	94.0
24482	2.40	-2.00	350.0	2.90	74.00	12.00	60.0
24483	1.00	-2.00	350.0	2.10	79.00	9.00	90.0
24484	1.30	2.10	290.0	-2.00	78.00	7.90	48.0
24485	3.10	4.50	230.0	3.20	58.00	5.30	75.0
24404x2	2.00	-2.00	-100.0	6.50	40.00	-1.00	53.0
24424x2	25.00	15.00	510.0	5.90	110.00	8.40	66.0
24450x2	.74	-2.00	560.0	3.70	83.00	7.70	60.0
24456x2	3.20	-2.00	660.0	-2.00	81.00	10.00	64.0
24475x2	2.50	-2.00	330.0	9.50	63.00	7.90	61.0

S#.	Co	Eu	Au	Hf	Ir	Fe	La
24394	-1.00	.52	-5.0	6.30	-20.0	.490	23.00
24395	-1.00	.89	-5.0	8.90	-20.0	.540	30.00
24396	-1.00	-.50	-5.0	3.00	-20.0	.460	4.60
24397	-1.00	1.40	-5.0	8.10	-20.0	.460	52.60
24398	-1.00	-.50	-5.0	6.60	-20.0	.340	16.00
24399	-1.00	1.20	-5.0	7.60	-20.0	.580	46.00
24400	15.00	1.00	250.0	2.40	-20.0	4.400	14.00
24401	-1.00	.82	-5.0	10.00	-20.0	.370	22.00
24402	-1.00	.73	-5.0	8.00	-20.0	.520	34.00
24403	-1.00	-.50	-5.0	5.30	-20.0	.380	8.60
24404	-1.00	.52	-5.0	8.70	-20.0	.410	20.00
24405	-1.00	1.20	-5.0	9.10	-20.0	.450	38.00
24406	-1.00	.91	-5.0	9.30	-20.0	.560	35.00
24407	-1.00	.56	-5.0	7.10	-20.0	.360	24.00
24408	4.70	1.80	-5.0	8.10	-20.0	6.390	37.00
24409	-1.00	-.50	-5.0	3.40	-20.0	.830	8.50
24410	-1.00	.81	-5.0	6.30	-20.0	.590	25.00
24411	-1.00	-.50	-5.0	5.20	-20.0	.370	14.00

24412	1.10	-.50	-5.0	5.40	-20.0	.530	22.00
24413	1.20	1.00	-5.0	7.00	-20.0	.640	46.00
24414	-1.00	1.10	-5.0	7.10	-20.0	.450	44.00
24415	-1.00	1.20	-5.0	6.60	-20.0	.420	50.00
24416	-1.00	1.40	-5.0	11.00	-20.0	.550	58.30
24417	-1.00	1.10	19.0	6.20	-20.0	5.920	42.00
24418	-1.00	1.00	-5.0	10.00	-20.0	.540	53.20
24419	-1.00	1.30	5.3	5.00	-20.0	2.200	47.00
24420	15.00	.89	220.0	2.40	-20.0	4.300	14.00
24421	-1.00	1.00	-5.0	13.00	-20.0	.360	45.00
24422	-1.00	-.50	-5.0	1.90	-20.0	.280	8.10
24423	-1.00	-.50	-5.0	7.20	-20.0	.410	22.00
24424	-1.00	1.40	11.0	6.30	-20.0	.790	50.30
24425	-1.00	.94	5.1	7.00	-20.0	.460	35.00
24426	-1.00	1.20	9.1	7.70	-20.0	.790	45.00
24427	-1.00	1.50	-5.0	7.20	-20.0	.750	54.70
24428	-1.00	1.00	-5.0	10.00	-20.0	.410	40.00
24429	-1.00	1.20	-5.0	9.00	-20.0	.520	47.00
24430	-1.00	.88	-5.0	9.10	-20.0	.650	46.00
24431	3.40	1.00	-5.0	6.20	-20.0	2.800	23.00
24432	-1.00	1.30	-5.0	7.70	-20.0	.800	51.50
24433	-1.00	1.00	-5.0	6.70	-20.0	.450	42.00
24434	-1.00	.69	-5.0	6.60	-20.0	.570	29.00
24435	-1.00	.84	-5.0	10.00	-20.0	.420	40.00
24436	-1.00	1.20	-5.0	8.60	-20.0	.640	48.00
24437	-1.00	1.00	-5.0	8.90	-20.0	.470	36.00
24438	-1.00	.52	-5.0	7.80	-20.0	.500	21.00
24439	-1.00	-.50	-5.0	5.00	-20.0	.580	13.00
24440	15.00	.88	220.0	2.60	-20.0	4.300	14.00
24441	-1.00	-.50	-5.0	4.60	-20.0	.490	17.00
24442	15.00	2.10	-5.0	9.00	-20.0	4.400	60.30
24443	-1.00	-.50	-5.0	8.10	-20.0	.500	16.00
24444	-1.00	-.50	-5.0	8.90	-20.0	.400	21.00
24445	-1.00	-.50	-5.0	5.10	-20.0	.380	16.00
24446	-1.00	1.40	-5.0	8.90	-20.0	.630	60.50
24447	1.20	1.10	-5.0	7.30	-20.0	.580	41.00
24448	-1.00	1.00	-5.0	6.40	-20.0	.660	38.00
24449	2.00	1.80	-5.0	7.50	-20.0	1.600	58.30
24450	-1.00	1.10	-5.0	7.20	-20.0	.550	42.00
24451	3.00	1.20	-5.0	5.60	-20.0	6.100	43.00
24452	1.10	1.40	-5.0	7.80	-20.0	.810	52.50
24453	-1.00	1.70	-5.0	6.80	-20.0	.520	44.00
24454	-1.00	.80	-5.0	6.10	-20.0	.500	29.00
24455	-1.00	1.00	-5.0	7.40	-20.0	.540	38.00
24456	-1.00	1.10	-5.0	7.60	-20.0	.580	44.00
24457	-1.00	.63	-5.0	7.70	-20.0	.470	32.00
24458	-1.00	.50	-5.0	7.10	-20.0	.350	24.00
24459	-1.00	.67	-5.0	10.00	-20.0	.420	44.00
24460	15.00	1.00	220.0	2.00	-20.0	4.400	14.00
24461	-1.00	1.00	-5.0	12.00	-20.0	.500	46.00
24462	-1.00	.88	-5.0	7.80	-20.0	.480	37.00
24463	-1.00	1.00	-5.0	9.10	-20.0	.630	43.00
24464	-1.00	-.50	-5.0	6.10	-20.0	.390	20.00
24465	-1.00	.52	-5.0	7.60	-20.0	.450	21.00
24466	-1.00	1.00	-5.0	7.70	-20.0	.680	73.10
24467	-1.00	-.50	-5.0	9.20	-20.0	.360	20.00
24468	1.20	-.50	-5.0	7.20	-20.0	.550	13.00
24469	-1.00	-.50	-5.0	8.30	-20.0	.380	18.00
24470	-1.00	-.50	-5.0	6.60	-20.0	.310	23.00
24471	-1.00	1.50	-5.0	9.30	-20.0	.520	66.00
24472	-1.00	-.50	-5.0	3.90	-20.0	.460	11.00
24473	-1.00	1.70	10.0	5.50	-20.0	.390	51.00
24474	-1.00	.90	-5.0	6.40	-20.0	.600	37.00
24475	1.20	.85	-5.0	6.60	-20.0	.500	33.00
24476	2.00	1.10	-5.0	4.30	-20.0	.580	49.00
24477	4.00	1.50	6.8	7.30	-20.0	1.900	51.20

24478	-1.00	1.10	-5.0	4.10	-20.0	.510	46.00
24479	-1.00	1.00	-5.0	8.10	-20.0	.660	44.00
24480	16.00	.93	210.0	2.50	-20.0	4.400	14.00
24481	-1.00	.84	-5.0	6.70	-20.0	.650	30.00
24482	-1.00	1.00	-5.0	8.00	-20.0	.490	39.00
24483	-1.00	1.10	-5.0	8.80	-20.0	.540	43.00
24484	-1.00	1.00	-5.0	9.00	-20.0	.560	39.00
24485	-1.00	.86	-5.0	8.20	-20.0	.610	30.00
24404x2	-1.00	-.50	-5.0	8.80	-20.0	.410	20.00
24424x2	-1.00	1.40	14.0	6.40	-20.0	.760	51.70
24450x2	-1.00	1.10	-5.0	7.20	-20.0	.570	42.00
24456x2	-1.00	1.10	-5.0	7.40	-20.0	.590	43.00
24475x2	1.00	.94	-5.0	6.80	-20.0	.520	33.00

S#	Lu	Mo	Rb	Sm	Sc	Se	Ag
24394	.45	-5.0	56.0	4.30	3.80	-5.0	-5.00
24395	.62	-5.0	110.0	5.70	6.50	-5.0	-5.00
24396	-.20	-5.0	-20.0	.94	.46	-5.0	-5.00
24397	.80	-5.0	170.0	10.00	10.40	-5.0	-5.00
24398	.42	-5.0	29.0	3.10	3.00	-5.0	-5.00
24399	.82	-5.0	210.0	8.50	13.00	-5.0	-5.00
24400	.30	-5.0	37.0	4.20	12.40	-5.0	-5.00
24401	.54	-5.0	39.0	4.20	3.00	-5.0	-5.00
24402	.44	-5.0	65.0	4.60	4.40	-5.0	-5.00
24403	.26	-5.0	-20.0	1.50	.57	-5.0	-5.00
24404	.48	-5.0	-20.0	3.50	1.70	-5.0	-5.00
24405	.65	-5.0	120.0	7.10	7.40	-5.0	-5.00
24406	.65	-5.0	110.0	6.90	7.20	-5.0	-5.00
24407	.41	-5.0	58.0	4.30	3.70	-5.0	-5.00
24408	.66	-5.0	100.0	6.90	8.00	-5.0	92.00
24409	-.20	-5.0	-20.0	1.60	1.00	-5.0	-5.00
24410	.45	-5.0	57.0	4.50	5.00	-5.0	-5.00
24411	.30	-5.0	-20.0	2.60	2.00	-5.0	-5.00
24412	.36	-5.0	66.0	4.00	4.70	-5.0	-5.00
24413	.70	-5.0	180.0	8.70	12.80	-5.0	-5.00
24414	.74	-5.0	150.0	7.90	11.40	-5.0	-5.00
24415	.76	-5.0	200.0	9.00	13.60	-5.0	-5.00
24416	.90	-5.0	170.0	11.00	12.70	-5.0	-5.00
24417	.70	-11.0	130.0	7.60	12.40	10.0	-5.00
24418	1.00	-5.0	170.0	9.00	11.90	-5.0	-5.00
24419	.72	-5.0	140.0	8.20	12.00	12.0	-5.00
24420	.30	-5.0	22.0	4.10	12.30	-5.0	-5.00
24421	.72	-5.0	88.0	7.60	5.90	-5.0	-5.00
24422	-.20	-5.0	-20.0	1.40	.65	-5.0	-5.00
24423	.48	-5.0	28.0	4.20	2.90	-5.0	-5.00
24424	1.00	-5.0	160.0	11.00	12.40	-5.0	-5.00
24425	.68	-5.0	130.0	6.90	7.30	-5.0	-5.00
24426	.85	-14.0	130.0	9.00	10.20	-5.0	-5.00
24427	.89	-5.0	230.0	11.00	14.70	-5.0	-5.00
24428	.66	-5.0	100.0	7.10	8.20	-5.0	-5.00
24429	.71	-5.0	200.0	8.60	10.30	-5.0	-5.00
24430	.77	-5.0	210.0	7.80	12.00	-5.0	-5.00
24431	.40	-5.0	77.0	4.40	5.20	-5.0	-5.00
24432	.79	-5.0	190.0	9.40	12.50	-5.0	-5.00
24433	.59	-5.0	130.0	7.00	8.10	-5.0	-5.00
24434	.48	-5.0	88.0	4.50	6.60	-5.0	-5.00
24435	.70	-5.0	120.0	7.60	9.10	-5.0	-5.00
24436	.72	-5.0	180.0	8.50	12.50	-5.0	-5.00
24437	.64	-5.0	100.0	6.80	7.20	-5.0	-5.00
24438	.43	-5.0	52.0	3.60	3.50	-5.0	-5.00
24439	.26	-5.0	-20.0	2.90	1.70	-5.0	-5.00
24440	.35	-5.0	37.0	4.10	12.30	-5.0	-5.00
24441	.23	-5.0	-20.0	2.70	1.90	-5.0	-5.00
24442	.55	-5.0	100.0	10.00	21.20	-5.0	-5.00
24443	.33	-5.0	25.0	2.50	2.30	-5.0	-5.00

24444	.52	-5.0	47.0	3.40	3.60	-5.0	-5.00
24445	.30	-5.0	22.0	2.80	2.00	-5.0	-5.00
24446	.84	-5.0	210.0	11.00	13.80	-5.0	-5.00
24447	.69	-5.0	160.0	7.30	11.90	-5.0	-5.00
24448	.68	-5.0	190.0	6.70	11.30	-5.0	-5.00
24449	.79	-5.0	170.0	13.00	13.70	-5.0	-5.00
24450	.72	-5.0	180.0	8.10	11.70	-5.0	-5.00
24451	.62	-5.0	200.0	7.80	13.30	-5.0	-5.00
24452	.84	-5.0	230.0	10.00	16.10	-5.0	-5.00
24453	.72	-5.0	200.0	10.00	12.10	-5.0	-5.00
24454	.54	-5.0	150.0	5.40	8.10	-5.0	-5.00
24455	.69	-5.0	160.0	6.10	10.40	-5.0	-5.00
24456	.77	-5.0	250.0	7.60	13.10	-5.0	-5.00
24457	.50	-5.0	-20.0	5.50	2.10	-5.0	-5.00
24458	.44	-5.0	-20.0	4.00	1.30	-5.0	-5.00
24459	.70	-5.0	100.0	8.00	5.70	-5.0	-5.00
24460	.35	-5.0	31.0	4.10	12.70	-5.0	-5.00
24461	.73	-5.0	70.0	8.40	4.00	-5.0	-5.00
24462	.54	-5.0	83.0	6.80	5.10	-5.0	-5.00
24463	.74	-5.0	160.0	7.60	11.10	-5.0	-5.00
24464	.35	-5.0	46.0	3.30	2.60	-5.0	-5.00
24465	.44	-5.0	46.0	3.70	3.30	-5.0	-5.00
24466	.74	-5.0	290.0	8.10	12.00	-5.0	-5.00
24467	.40	-5.0	46.0	3.50	2.60	-5.0	-5.00
24468	.23	-5.0	-20.0	2.00	1.70	-5.0	-5.00
24469	.33	-5.0	24.0	2.80	2.20	-5.0	-5.00
24470	.26	-5.0	130.0	1.90	6.30	-5.0	-5.00
24471	1.20	-5.0	180.0	13.00	13.50	-5.0	-5.00
24472	-.20	-5.0	-20.0	2.00	1.20	-5.0	-5.00
24473	.74	-5.0	180.0	10.00	18.30	-5.0	-5.00
24474	.55	-5.0	120.0	6.60	8.70	-5.0	-5.00
24475	.51	-5.0	110.0	6.00	7.30	-5.0	-5.00
24476	.59	-5.0	150.0	8.10	12.20	-5.0	-5.00
24477	.88	-5.0	140.0	11.00	12.40	-5.0	-5.00
24478	.58	-5.0	180.0	8.00	13.00	-5.0	-5.00
24479	.71	-5.0	140.0	8.50	10.00	-5.0	-5.00
24480	.36	-5.0	40.0	4.20	12.70	-5.0	-5.00
24481	.49	-5.0	85.0	5.60	6.30	-5.0	-5.00
24482	.65	-5.0	120.0	7.10	8.40	-5.0	-5.00
24483	.72	-5.0	120.0	7.80	9.00	-5.0	-5.00
24484	.67	-5.0	100.0	7.30	7.80	-5.0	-5.00
24485	.53	-5.0	76.0	5.70	6.20	-5.0	-5.00
24404x2	.45	-5.0	-20.0	3.40	1.80	-5.0	-5.00
24424x2	1.00	-5.0	160.0	11.00	12.70	-5.0	-5.00
24450x2	.70	-5.0	190.0	7.90	11.70	-5.0	-5.00
24456x2	.77	-5.0	240.0	7.40	12.70	-5.0	-5.00
24475x2	.51	-5.0	110.0	6.00	7.40	-5.0	-5.00

S#	Ta	Th	W	U	Yb	Zn
24394	-1.00	7.30	-2.00	2.40	2.30	180.0
24395	1.10	10.00	2.10	2.90	3.20	-100.0
24396	-1.00	1.40	-2.00	-2.00	.73	-100.0
24397	2.10	13.00	-2.00	3.70	3.80	-100.0
24398	-1.00	5.20	-2.00	-2.00	2.10	-100.0
24399	2.10	17.00	-2.00	3.70	3.80	-100.0
24400	-1.00	2.30	-2.00	-2.00	1.70	820.0
24401	-1.00	6.80	-2.00	2.40	2.70	-100.0
24402	1.30	8.50	-2.00	2.10	2.30	-100.0
24403	-1.00	2.20	-2.00	-2.00	1.30	-100.0
24404	1.10	4.90	3.50	-2.00	2.30	-100.0
24405	1.30	11.00	3.20	2.40	3.20	-100.0
24406	1.50	11.00	-2.00	3.00	3.30	-100.0
24407	-1.00	6.50	-2.00	-2.00	2.10	-100.0
24408	2.40	10.00	6.60	3.60	2.70	2000.0
24409	-1.00	2.10	-2.00	-2.00	.87	110.0

24410	1.20	7.00	-2.00	2.60	2.40	-100.0
24411	1.10	3.60	-2.00	-2.00	1.60	-100.0
24412	-1.00	6.50	-2.00	-2.00	1.90	-100.0
24413	-1.00	16.00	3.60	5.20	3.60	-100.0
24414	1.70	15.00	-2.00	2.10	3.50	-100.0
24415	2.50	17.00	-2.00	3.40	3.70	-100.0
24416	2.20	19.00	3.30	4.20	4.60	-100.0
24417	1.80	22.00	2.00	5.80	3.60	-100.0
24418	2.30	16.00	4.30	4.80	5.00	-100.0
24419	2.10	15.00	2.40	4.00	3.70	-100.0
24420	1.00	1.90	3.40	-2.00	1.60	800.0
24421	2.10	12.00	2.70	3.50	3.80	-100.0
24422	-1.00	1.40	-2.00	-2.00	.68	-100.0
24423	-1.00	5.00	-2.00	-2.00	2.40	-100.0
24424	1.40	13.00	2.80	2.50	5.00	-100.0
24425	-1.00	10.00	-2.00	4.00	3.50	-100.0
24426	1.60	21.00	2.10	7.50	4.20	-100.0
24427	1.10	18.00	-2.00	3.80	4.50	-100.0
24428	1.80	12.00	2.30	3.20	3.30	-100.0
24429	1.40	15.00	3.00	2.50	3.70	-100.0
24430	2.00	15.00	-2.00	-2.00	3.80	-100.0
24431	-1.00	7.00	-2.00	-2.00	2.10	2100.0
24432	1.90	16.00	2.10	3.20	4.00	-100.0
24433	1.70	12.00	-2.00	3.50	3.00	-100.0
24434	-1.00	8.80	-2.00	2.60	2.50	-100.0
24435	1.90	13.00	2.10	-2.00	3.60	-100.0
24436	1.90	17.00	3.20	3.10	3.80	-100.0
24437	1.50	12.00	-2.00	2.20	3.20	-100.0
24438	1.10	6.60	-2.00	-2.00	2.20	-100.0
24439	-1.00	3.60	-2.00	-2.00	1.30	-100.0
24440	1.10	1.90	4.00	-2.00	1.70	820.0
24441	-1.00	3.10	-2.00	-2.00	1.20	-100.0
24442	5.00	14.00	-2.00	4.20	3.00	360.0
24443	-1.00	3.70	-2.00	-2.00	1.70	-100.0
24444	1.30	6.10	-2.00	-2.00	2.50	-100.0
24445	-1.00	4.60	-2.00	-2.00	1.50	-100.0
24446	1.60	19.00	5.00	-2.00	4.30	-100.0
24447	1.90	15.00	-2.00	-2.00	3.60	-100.0
24448	1.00	13.00	2.90	2.10	3.40	-100.0
24449	1.20	18.00	-2.00	3.00	4.00	-100.0
24450	1.70	14.00	-2.00	2.90	3.70	-100.0
24451	1.10	17.00	3.10	-2.00	3.20	-100.0
24452	1.50	19.00	-2.00	2.10	4.50	-100.0
24453	1.40	14.00	-2.00	2.60	3.70	-100.0
24454	-1.00	10.00	-2.00	2.50	3.00	-100.0
24455	1.50	13.00	2.60	3.00	3.60	-100.0
24456	1.60	15.00	4.00	3.30	4.00	-100.0
24457	1.40	8.00	-2.00	-2.00	2.50	-100.0
24458	1.20	4.80	-2.00	-2.00	2.30	-100.0
24459	1.80	14.00	-2.00	-2.00	3.60	-100.0
24460	-1.00	1.70	-2.00	-2.00	1.70	840.0
24461	1.00	13.00	-2.00	3.80	3.80	-100.0
24462	1.30	11.00	-2.00	2.60	2.90	-100.0
24463	1.20	15.00	2.80	2.90	3.80	-100.0
24464	-1.00	5.10	-2.00	-2.00	1.70	-100.0
24465	-1.00	5.50	-2.00	-2.00	2.20	-100.0
24466	2.90	18.00	2.30	2.60	3.60	-100.0
24467	-1.00	5.20	-2.00	-2.00	2.00	-100.0
24468	1.00	3.30	-2.00	-2.00	1.20	-100.0
24469	-1.00	4.50	-2.00	-2.00	1.70	-100.0
24470	1.20	6.70	-2.00	2.70	1.20	-100.0
24471	1.70	16.00	-2.00	3.00	6.00	-100.0
24472	-1.00	3.10	-2.00	-2.00	1.00	100.0
24473	1.50	18.00	2.90	8.80	3.70	-100.0
24474	2.10	11.00	-2.00	-2.00	2.80	-100.0
24475	-1.00	10.00	-2.00	3.10	2.70	-100.0

424279

24476	1.50	16.00	2.10	-2.00	3.00	-100.0
24477	1.90	16.00	-2.00	7.10	4.50	1100.0
24478	1.70	14.00	-2.00	5.70	3.30	-100.0
24479	2.00	14.00	2.20	2.30	3.50	-100.0
24480	-1.00	1.90	3.70	-2.00	1.70	840.0
24481	1.70	9.00	-2.00	-2.00	2.50	140.0
24482	1.80	12.00	-2.00	2.30	3.20	-100.0
24483	1.20	13.00	2.50	-2.00	3.60	-100.0
24484	1.30	12.00	2.80	2.00	3.30	-100.0
24485	1.00	9.20	3.10	2.10	2.70	-100.0
24404×2	1.10	4.80	2.80	-2.00	2.30	-100.0
24424×2	1.00	13.00	-2.00	2.80	5.10	-100.0
24450×2	1.40	14.00	-2.00	3.50	3.60	-100.0
24456×2	1.70	14.00	-2.00	3.50	3.90	-100.0
24475×2	-1.00	10.00	-2.00	-2.00	2.70	-100.0

424280

RGC TASMANIA SAMPLES # 24791-24799, 24921-24930, 25101-25261
BECQUEREL JOB # 912
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
24791	1.10	4.00	140.0	32.00	61.00	4.10	87.0
24792	1.80	7.00	280.0	19.00	74.00	11.00	110.0
24793	1.90	8.00	300.0	13.00	53.00	6.50	110.0
24794	1.10	6.90	150.0	4.70	29.00	4.10	63.0
24795	2.40	23.00	420.0	3.80	47.00	10.00	120.0
24796	1.00	2.20	760.0	6.10	110.00	10.00	150.0
24797	1.30	-2.00	380.0	4.20	71.00	4.00	98.0
24798	1.50	5.30	-100.0	5.20	38.00	-1.00	20.0
24799	2.20	-2.00	230.0	5.90	78.00	3.90	73.0
24921	2.00	11.00	370.0	61.00	150.00	5.40	230.0
24922	.52	11.00	210.0	140.00	200.00	1.60	350.0
24923	-.20	7.80	550.0	71.00	180.00	1.40	310.0
24924	.45	5.70	-100.0	71.00	170.00	1.60	370.0
24925	2.60	15.00	-100.0	84.00	170.00	3.00	330.0
24926	3.20	13.00	160.0	99.00	140.00	3.20	290.0
24927	2.70	12.00	140.0	170.00	120.00	6.80	240.0
24928	.79	-2.00	480.0	5.00	70.00	5.50	53.0
24929	.75	2.80	-100.0	3.50	8.00	-1.00	12.0
24930	1.40	-2.00	-100.0	4.20	22.00	-1.00	34.0
25101	2.80	84.00	300.0	13.00	41.00	6.00	40.0
25102	4.80	200.00	-100.0	98.00	17.00	4.90	53.0
25103	1.40	-2.00	-100.0	2.10	24.00	1.70	31.0
25104	.85	2.30	-100.0	2.30	8.70	-1.00	13.0
25105	1.40	-2.00	-100.0	2.80	10.00	-1.00	35.0
25106	1.90	7.40	150.0	-2.00	26.00	2.40	17.0
25107	1.70	-2.00	-100.0	-2.00	17.00	-1.00	24.0
25108	1.00	-2.00	510.0	3.30	79.00	10.00	74.0
25109	2.00	-2.00	540.0	3.20	100.00	16.00	77.0
25110	2.70	-2.00	530.0	4.40	96.00	13.00	69.0
25111	1.10	-2.00	430.0	6.60	110.00	9.40	41.0
25112	.56	2.30	-100.0	-2.00	-2.00	-1.00	33.0
25113	.60	-2.00	-100.0	4.30	4.60	-1.00	10.0
25114	.70	-2.00	330.0	5.40	65.00	10.00	43.0
25115	.61	-2.00	330.0	7.20	84.00	8.90	40.0
25116	.78	-2.00	-100.0	-2.00	17.00	1.10	35.0
25117	1.30	5.50	660.0	2.50	100.00	10.00	67.0
25118	2.00	8.60	530.0	10.00	91.00	9.50	80.0
25119	10.00	66.00	120.0	8.20	180.00	8.80	340.0
25120	.22	3.10	530.0	-2.00	70.00	19.00	470.0
25121	2.60	23.00	1600.0	42.00	215.00	5.00	160.0
25122	5.00	20.00	180.0	72.00	180.00	3.30	240.0
25123	3.60	13.00	130.0	98.00	170.00	4.20	210.0
25124	3.80	19.00	240.0	57.00	180.00	5.20	220.0
25125	14.00	76.00	320.0	65.00	170.00	6.50	250.0
25126	3.10	36.00	210.0	100.00	140.00	4.40	190.0
25127	2.30	19.00	180.0	44.00	160.00	6.50	89.0
25128	2.10	10.00	140.0	44.00	160.00	7.60	140.0
25129	1.50	8.60	190.0	86.00	140.00	5.30	240.0
25130	3.50	13.00	170.0	96.00	150.00	8.00	250.0
25131	7.80	36.00	290.0	51.00	150.00	8.50	280.0
25132	4.00	11.00	440.0	15.00	100.00	9.50	100.0
25133	.95	2.20	220.0	3.80	63.00	2.90	42.0
25134	.90	-2.00	240.0	3.50	93.00	5.50	31.0
25135	1.00	-2.00	290.0	3.50	110.00	5.80	50.0
25136	3.00	17.00	250.0	150.00	140.00	8.70	260.0

25137	2.10	11.00	300.0	120.00	190.00	3.10	300.0
25138	2.90	6.90	240.0	78.00	180.00	10.00	260.0
25139	2.80	30.00	260.0	150.00	160.00	6.60	250.0
25140	3.50	23.00	230.0	140.00	170.00	7.10	250.0
25141	2.60	16.00	300.0	80.00	180.00	6.50	280.0
25142	1.70	6.10	360.0	110.00	232.00	3.00	210.0
25143	3.10	13.00	180.0	75.00	190.00	6.20	280.0
25144	2.40	9.10	250.0	92.00	233.00	3.60	160.0
25145	3.50	10.00	320.0	41.00	200.00	13.00	190.0
25146	12.00	42.00	790.0	57.00	238.00	12.00	410.0
25147	17.00	82.00	300.0	64.00	190.00	8.60	300.0
25148	3.20	17.00	130.0	2.30	55.00	5.20	32.0
25149	3.90	66.00	280.0	15.00	58.00	7.10	210.0
25150	8.50	100.00	230.0	37.00	96.00	10.00	180.0
25151	3.40	24.00	-100.0	38.00	75.00	5.20	220.0
25152	20.00	202.00	190.0	48.00	87.00	10.00	330.0
25153	3.90	19.00	150.0	51.00	83.00	13.00	180.0
25154	3.90	19.00	130.0	89.00	84.00	9.10	280.0
25155	5.80	45.00	240.0	34.00	66.00	12.00	290.0
25156	14.00	98.00	120.0	38.00	67.00	5.90	580.0
25157	2.30	12.00	210.0	22.00	46.00	8.50	380.0
25158	17.00	208.00	-100.0	64.00	78.00	11.00	240.0
25159	4.20	64.00	120.0	49.00	80.00	8.20	200.0
25160	3.00	46.00	230.0	47.00	72.00	14.00	280.0
25161	5.10	91.00	-100.0	38.00	74.00	6.10	290.0
25162	12.00	285.00	190.0	36.00	59.00	6.20	130.0
25163	2.50	14.00	100.0	18.00	99.00	8.10	130.0
25164	2.50	7.90	-100.0	7.60	23.00	3.30	140.0
25165	3.90	55.00	-100.0	30.00	12.00	5.70	290.0
25166	1.70	14.00	-100.0	20.00	15.00	1.60	160.0
25167	2.60	15.00	260.0	22.00	87.00	7.80	150.0
25168	2.80	46.00	-100.0	24.00	100.00	4.70	646.0
25169	4.60	69.00	200.0	18.00	85.00	11.00	230.0
25170	3.00	26.00	150.0	38.00	73.00	9.10	230.0
25171	3.00	29.00	-100.0	53.00	84.00	9.50	320.0
25172	2.70	15.00	-100.0	42.00	68.00	6.10	400.0
25173	9.40	76.00	160.0	41.00	85.00	10.00	240.0
25174	7.50	55.00	-100.0	36.00	79.00	8.00	240.0
25175	3.60	29.00	310.0	13.00	82.00	12.00	140.0
25176	4.40	95.00	300.0	23.00	89.00	9.30	200.0
25177	2.00	23.00	200.0	31.00	54.00	10.00	230.0
25178	3.10	47.00	-100.0	35.00	71.00	10.00	160.0
25179	3.40	44.00	100.0	47.00	84.00	7.90	240.0
25180	2.90	302.00	420.0	-2.00	29.00	-1.00	48.0
25181	25.90	941.00	-100.0	48.00	58.00	7.80	230.0
25182	4.90	130.00	150.0	28.00	61.00	5.40	210.0
25183	6.60	150.00	-100.0	47.00	51.00	8.60	220.0
25184	20.80	140.00	280.0	5.20	62.00	5.90	210.0
25185	5.60	150.00	230.0	11.00	46.00	10.00	240.0
25186	26.50	2010.00	590.0	30.00	2.30	2.80	180.0
25187	9.00	46.00	-100.0	6.60	44.00	4.20	927.0
25188	1.50	260.00	5000.0	34.00	-2.00	2.70	27.0
25189	2.80	8.80	9800.0	-2.00	22.00	4.60	35.0
25190	12.00	28.00	960.0	4.20	120.00	12.00	59.0
25191	1.10	10.00	320.0	7.60	70.00	5.00	61.0
25192	1.10	2.70	170.0	8.70	39.00	3.10	86.0
25193	.54	-2.00	260.0	6.60	62.00	4.60	39.0
25194	1.00	-2.00	450.0	10.00	100.00	13.00	79.0
25195	1.20	-2.00	540.0	5.50	95.00	14.00	64.0
25196	1.90	-2.00	500.0	6.40	84.00	15.00	80.0
25197	.81	-2.00	130.0	2.60	27.00	2.40	15.0
25198	.84	-2.00	-100.0	2.70	3.30	-1.00	50.0
25199	1.00	-2.00	490.0	4.30	65.00	7.90	53.0
25200	2.80	302.00	490.0	-2.00	29.00	-1.00	50.0
25201	.61	-2.00	-100.0	3.60	26.00	1.60	46.0
25202	1.00	4.10	-100.0	2.30	16.00	-1.00	15.0

25203	5.80	68.00	-100.0	16.00	43.00	11.00	250.0
25204	2.00	8.80	370.0	16.00	223.00	4.40	400.0
25205	3.90	25.00	24300.0	10.00	170.00	2.70	120.0
25206	4.10	18.00	320.0	82.00	150.00	6.00	230.0
25207	3.90	16.00	380.0	44.00	130.00	5.50	300.0
25208	7.00	13.00	280.0	79.00	140.00	5.30	210.0
25209	2.40	6.10	340.0	51.00	120.00	3.00	230.0
[illegible]10	1.80	9.20	100.0	89.00	98.00	2.80	200.0
25211	3.00	5.00	410.0	40.00	140.00	7.10	290.0
25212	2.90	15.00	320.0	81.00	160.00	4.10	220.0
25213	2.80	4.50	-100.0	48.00	130.00	7.00	330.0
25214	3.40	73.00	330.0	78.00	206.00	4.80	320.0
25215	2.60	10.00	120.0	13.00	200.00	2.60	340.0
25216	1.90	30.00	410.0	16.00	170.00	2.40	270.0
25217	6.90	21.00	530.0	22.00	79.00	12.00	92.0
25218	5.30	10.00	520.0	14.00	100.00	12.00	97.0
25219	3.70	28.00	210.0	28.00	170.00	10.00	260.0
25220	.27	2.90	470.0	-2.00	72.00	17.00	450.0
25221	4.80	35.00	210.0	34.00	110.00	8.50	280.0
25222	5.00	21.00	290.0	58.00	180.00	3.10	200.0
25223	6.50	20.00	340.0	66.00	140.00	6.00	260.0
25224	2.00	24.00	290.0	120.00	190.00	7.00	280.0
25225	1.50	-2.00	370.0	3.70	84.00	6.60	64.0
25226	.58	-2.00	-100.0	2.60	10.00	1.00	51.0
25227	.74	-2.00	-100.0	-2.00	24.00	2.30	18.0
25228	.63	-2.00	130.0	2.30	37.00	2.30	55.0
25229	3.80	96.00	-100.0	74.00	53.00	7.90	300.0
25230	6.20	81.00	170.0	35.00	57.00	7.10	180.0
25231	6.00	390.00	150.0	17.00	51.00	2.30	210.0
25232	5.20	72.00	180.0	14.00	73.00	5.80	150.0
25233	7.00	190.00	120.0	23.00	130.00	4.20	140.0
25234	19.00	140.00	150.0	73.00	70.00	4.90	370.0
[illegible]35	2.30	19.00	310.0	45.00	130.00	12.00	160.0
[illegible]36	5.10	110.00	150.0	36.00	76.00	4.50	230.0
25237	13.00	190.00	180.0	21.00	78.00	5.40	160.0
25238	24.70	457.00	270.0	20.00	110.00	6.90	240.0
25239	9.00	180.00	190.0	54.00	68.00	8.10	260.0
25240	.25	2.70	480.0	-2.00	73.00	17.00	450.0
25241	3.50	160.00	260.0	45.00	57.00	4.20	200.0
25242	3.80	110.00	120.0	44.00	53.00	9.40	270.0
25243	16.00	245.00	-100.0	54.00	37.00	4.00	928.0
25244	3.10	85.00	200.0	38.00	50.00	8.10	320.0
25245	4.10	38.00	-100.0	30.00	66.00	9.50	230.0
25246	4.90	160.00	130.0	55.00	74.00	14.00	300.0
25247	3.50	110.00	190.0	46.00	80.00	13.00	250.0
25248	3.90	11.00	300.0	19.00	90.00	15.00	320.0
25249	3.60	66.00	250.0	25.00	140.00	10.00	170.0
25250	2.80	19.00	-100.0	39.00	56.00	8.40	210.0
25251	2.30	39.00	140.0	23.00	74.00	9.40	160.0
25252	2.80	35.00	200.0	42.00	45.00	7.60	170.0
25253	1.00	10.00	-100.0	38.00	86.00	12.00	270.0
25254	1.70	18.00	110.0	52.00	110.00	7.60	180.0
25255	19.00	49.00	470.0	4.20	170.00	20.00	220.0
25256	3.90	10.00	130.0	88.00	82.00	6.50	320.0
25257	2.10	6.80	220.0	31.00	72.00	6.80	250.0
25258	5.80	120.00	740.0	32.00	130.00	7.90	150.0
25259	3.70	64.00	170.0	71.00	70.00	12.00	310.0
[illegible]60	-.20	2.50	520.0	-2.00	69.00	17.00	440.0
[illegible]61	1.80	22.00	120.0	52.00	63.00	8.90	170.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
24791	-1.00	.66	-5.0	6.30	-20.0	.300	30.00
24792	1.40	1.10	-5.0	6.90	-20.0	.520	38.00
24793	12.00	-.50	-5.0	5.50	-20.0	1.100	27.00
24794	-1.00	-.50	-5.0	4.30	-20.0	1.000	14.00

24795	18.00	-.50	-5.0	6.40	-20.0	1.100	24.00
24796	-1.00	1.10	-5.0	5.70	-20.0	.540	57.70
24797	-1.00	.68	-5.0	6.50	-20.0	.610	34.00
24798	-1.00	-.50	-5.0	5.90	-20.0	.470	19.00
24799	-1.00	.70	-5.0	9.20	-20.0	.550	37.00
24921	6.20	2.60	-5.0	10.00	-20.0	7.090	77.30
24922	48.00	4.60	-5.0	12.00	-20.0	10.200	98.30
24923	71.00	3.40	-5.0	11.00	-20.0	9.250	86.70
24924	26.00	2.80	-5.0	15.00	-20.0	10.300	71.40
24925	7.70	4.10	-5.0	16.00	-20.0	13.300	92.80
24926	18.00	4.00	-5.0	12.00	-20.0	11.600	73.00
24927	4.00	2.60	-5.0	12.00	-20.0	10.400	77.20
24928	-1.00	.94	-5.0	5.60	-20.0	.720	34.00
24929	-1.00	-.50	-5.0	1.30	-20.0	1.100	3.80
24930	-1.00	-.50	-5.0	3.30	-20.0	.530	10.00
25101	4.80	.79	-5.0	1.90	-20.0	9.800	18.00
25102	9.20	-.50	-5.0	2.10	-20.0	23.200	15.00
25103	-1.00	-.50	-5.0	3.30	-20.0	.660	12.00
25104	-1.00	-.50	-5.0	4.20	-20.0	.400	3.90
25105	-1.00	-.50	-5.0	6.90	-20.0	.400	4.50
25106	-1.00	-.50	-5.0	4.40	-20.0	.820	12.00
25107	-1.00	-.50	-5.0	4.90	-20.0	.570	7.60
25108	-1.00	.82	-5.0	8.40	-20.0	.520	37.00
25109	-1.00	1.30	-5.0	5.80	-20.0	.700	49.00
25110	-1.00	1.60	-5.0	5.80	-20.0	.690	44.00
25111	1.40	1.30	-5.0	11.00	-20.0	.660	49.00
25112	-1.00	-.50	-5.0	-1.00	-20.0	.940	-.50
25113	-1.00	-.50	-5.0	1.20	-20.0	.830	2.20
25114	-1.00	.94	-5.0	6.00	-20.0	.630	30.00
25115	1.00	1.40	-5.0	7.80	-20.0	.620	38.00
25116	-1.00	-.50	-5.0	7.20	-20.0	.440	7.80
25117	-1.00	1.30	-5.0	8.70	-20.0	1.000	50.40
25118	-1.00	1.20	-5.0	7.90	-20.0	1.500	44.00
25119	23.00	8.40	-5.0	11.00	-20.0	7.330	90.60
25120	24.00	1.00	77.0	8.80	-20.0	4.300	37.00
25121	174.00	3.90	-5.0	11.00	-20.0	9.740	93.80
25122	172.00	4.40	-5.0	12.00	-20.0	12.600	94.90
25123	67.00	3.60	-5.0	13.00	-20.0	10.600	89.90
25124	33.00	3.60	-5.0	14.00	-20.0	9.640	103.00
25125	78.00	4.10	-5.0	12.00	-20.0	9.730	76.80
25126	6.50	3.30	-5.0	13.00	-20.0	11.000	77.20
25127	5.20	2.20	-5.0	10.00	-20.0	3.300	78.80
25128	4.30	3.00	-5.0	12.00	-20.0	5.310	85.10
25129	32.00	2.70	-5.0	14.00	-20.0	12.600	78.00
25130	10.00	3.30	-5.0	13.00	-20.0	11.600	79.00
25131	52.00	4.60	-5.0	10.00	-20.0	11.500	75.70
25132	-1.00	1.30	-5.0	5.70	-20.0	2.000	50.30
25133	-1.00	.71	-5.0	8.80	-20.0	.320	29.00
25134	-1.00	1.00	-5.0	8.50	-20.0	.510	43.00
25135	-1.00	1.40	-5.0	9.00	-20.0	.470	50.20
25136	15.00	3.80	-5.0	11.00	-20.0	11.500	72.50
25137	55.00	5.30	-5.0	13.00	-20.0	10.700	95.40
25138	30.00	5.00	-5.0	12.00	-20.0	11.100	89.00
25139	31.00	4.10	-5.0	12.00	-20.0	10.400	82.40
25140	24.00	3.70	-5.0	11.00	-20.0	8.940	83.40
25141	43.00	4.30	-5.0	12.00	-20.0	9.690	91.10
25142	4.20	5.10	-5.0	11.00	-20.0	8.360	138.00
25143	11.00	3.30	-5.0	10.00	-20.0	10.100	114.00
25144	5.90	3.00	-5.0	10.00	-20.0	5.750	145.00
25145	10.00	2.90	-5.0	7.50	-20.0	6.300	123.00
25146	8.70	4.00	-5.0	8.80	-20.0	8.000	133.00
25147	58.00	3.80	-5.0	8.40	-20.0	9.480	133.00
25148	2.90	.70	-5.0	6.60	-20.0	3.400	26.00
25149	11.00	1.60	-5.0	6.80	-20.0	11.800	27.00
25150	2.00	2.30	-5.0	6.90	-20.0	4.400	47.00
25151	2.40	2.40	-5.0	8.40	-20.0	9.520	35.00

25152	11.00	2.70	9.1	6.30	-20.0	9.210	45.00
25153	-1.00	1.20	-5.0	7.50	-20.0	6.590	48.00
25154	31.00	1.50	-5.0	7.00	-20.0	10.000	39.00
25155	16.00	2.10	-5.0	8.40	-20.0	15.900	29.00
25156	135.00	1.90	-5.0	4.10	-20.0	16.400	24.00
25157	4.70	1.40	-5.0	10.00	-20.0	12.400	25.00
25158	5.70	2.00	-5.0	8.10	-20.0	11.000	40.00
25159	6.20	1.70	-5.0	7.90	-20.0	7.810	40.00
25160	19.00	1.60	-5.0	9.00	-20.0	10.100	36.00
25161	76.00	1.50	-5.0	6.10	-20.0	10.200	26.00
25162	14.00	1.30	-5.0	3.50	-20.0	11.400	31.00
25163	2.70	1.60	-5.0	7.00	-20.0	3.400	50.00
25164	1.70	-.50	-5.0	2.60	-20.0	3.600	13.00
25165	5.40	.58	-5.0	1.80	-20.0	7.920	11.00
25166	1.30	-.50	-5.0	4.70	-20.0	2.000	7.80
25167	1.80	1.90	-5.0	8.00	-20.0	2.700	41.00
25168	20.00	2.20	-5.0	11.00	-20.0	9.100	49.00
25169	4.50	1.60	-5.0	8.50	-20.0	6.430	40.00
25170	12.00	2.00	-5.0	8.80	-20.0	10.800	34.00
25171	4.90	2.00	-5.0	10.00	-20.0	9.600	40.00
25172	5.30	1.70	-5.0	10.00	-20.0	9.070	31.00
25173	7.90	2.00	-5.0	7.90	-20.0	9.030	42.00
25174	6.30	2.10	-5.0	9.00	-20.0	9.630	39.00
25175	7.90	1.80	-5.0	6.60	-20.0	7.430	42.00
25176	11.00	2.70	-5.0	8.70	-20.0	9.430	49.00
25177	7.00	1.50	-5.0	7.90	-20.0	13.000	32.00
25178	2.70	1.30	-5.0	8.90	-20.0	4.900	36.00
25179	5.00	2.00	-5.0	11.00	-20.0	8.060	40.00
25180	16.00	.89	240.0	2.80	-20.0	4.600	14.00
25181	5.50	1.60	30.0	8.80	-20.0	9.200	30.00
25182	37.00	2.10	-5.0	8.40	-20.0	12.500	29.00
25183	4.30	1.00	8.3	8.90	-20.0	7.700	27.00
25184	82.00	2.30	-5.0	6.70	-20.0	9.840	30.00
25185	30.00	1.00	-5.0	5.20	-20.0	5.820	22.00
25186	44.00	-.50	-5.0	1.60	-20.0	31.700	5.50
25187	61.00	2.00	-5.0	4.30	-20.0	8.050	23.00
25188	15.00	-.50	-5.0	-1.00	-20.0	44.300	2.40
25189	2.30	-.50	-5.0	3.30	-20.0	.630	12.00
25190	2.60	.69	8.5	4.30	-20.0	.630	22.00
25191	3.60	.86	-5.0	5.70	-20.0	1.000	34.00
25192	-1.00	.52	-5.0	5.80	-20.0	.770	22.00
25193	-1.00	.81	-5.0	4.60	-20.0	.370	30.00
25194	-1.00	1.10	-5.0	6.80	-20.0	.670	52.60
25195	-1.00	1.50	-5.0	10.00	-20.0	.620	46.00
25196	-1.00	1.40	-5.0	6.70	-20.0	.620	42.00
25197	-1.00	-.50	-5.0	8.10	-20.0	.450	14.00
25198	-1.00	-.50	-5.0	1.80	-20.0	.690	1.70
25199	-1.00	.86	-5.0	7.60	-20.0	.750	32.00
25200	16.00	.82	250.0	2.40	-20.0	4.600	15.00
25201	-1.00	-.50	-5.0	7.90	-20.0	.520	13.00
25202	-1.00	-.50	10.0	8.10	-20.0	.630	8.00
25203	1.80	1.10	-5.0	9.40	-20.0	6.010	23.00
25204	49.00	7.20	-5.0	12.00	-20.0	6.030	106.00
25205	2310.00	7.50	-5.0	5.80	-20.0	9.370	57.70
25206	7.60	4.10	-5.0	12.00	-20.0	10.300	76.40
25207	11.00	3.90	-5.0	10.00	-20.0	10.000	67.60
25208	10.00	4.00	-5.0	12.00	-20.0	7.550	77.30
25209	7.80	4.00	-5.0	11.00	-20.0	19.200	86.20
25210	41.00	3.00	-5.0	9.30	-20.0	20.200	53.10
25211	31.00	3.70	-5.0	14.00	-20.0	12.500	79.90
25212	41.00	4.50	-5.0	13.00	-20.0	9.250	93.80
25213	9.00	3.40	-5.0	11.00	-20.0	10.400	64.20
25214	43.00	5.20	-5.0	13.00	-20.0	14.400	96.80
25215	37.00	5.20	-5.0	11.00	-20.0	5.530	100.00
25216	19.00	4.50	8.5	12.00	-20.0	9.400	84.60
25217	3.30	.93	-5.0	7.80	-20.0	7.250	38.00

25218	-1.00	1.00	-5.0	7.60	-20.0	1.800	49.00
25219	8.60	3.70	-5.0	12.00	-20.0	8.450	84.60
25220	23.00	1.10	79.0	8.50	-20.0	4.100	36.00
25221	26.00	2.70	-5.0	9.10	-20.0	13.200	59.30
25222	3.50	3.70	-5.0	12.00	-20.0	8.290	100.00
25223	3.90	3.90	-5.0	11.00	-20.0	13.600	78.40
25224	5.40	2.70	-5.0	8.90	-20.0	7.500	108.00
25225	-1.00	1.10	-5.0	6.60	-20.0	.670	39.00
25226	-1.00	-.50	-5.0	4.80	-20.0	.390	4.30
25227	-1.00	-.50	-5.0	5.70	-20.0	.380	11.00
25228	-1.00	.63	-5.0	6.40	-20.0	.470	18.00
25229	2.60	1.10	-5.0	7.10	-20.0	15.800	27.00
25230	8.10	1.70	-5.0	7.10	-20.0	18.200	29.00
25231	30.00	1.10	-5.0	6.00	-20.0	19.400	25.00
25232	1.40	1.30	-5.0	6.90	-20.0	3.100	35.00
25233	1.40	2.60	6.0	9.20	-20.0	1.800	63.40
25234	3.70	1.70	19.0	7.00	-20.0	12.200	33.00
25235	-1.00	2.70	9.1	6.80	-20.0	2.600	52.70
25236	7.80	1.20	-5.0	6.20	-20.0	8.230	32.00
25237	1.70	2.00	8.3	7.90	-20.0	1.500	36.00
25238	2.10	4.80	-5.0	7.90	-20.0	8.820	46.00
25239	16.00	1.50	-5.0	8.80	-20.0	12.000	35.00
25240	21.00	.81	120.0	8.10	-20.0	4.100	35.00
25241	17.00	2.20	-5.0	6.70	-20.0	19.800	28.00
25242	7.30	1.30	-5.0	9.40	-20.0	6.990	27.00
25243	14.00	1.00	-5.0	5.90	-20.0	10.900	19.00
25244	6.60	1.40	-5.0	7.70	-20.0	12.000	25.00
25245	8.00	2.70	-5.0	9.30	-20.0	11.500	37.00
25246	14.00	2.00	-5.0	8.70	-20.0	11.800	37.00
25247	3.40	1.80	-5.0	10.00	-20.0	7.570	41.00
25248	21.00	2.50	-5.0	10.00	-20.0	10.500	43.00
25249	16.00	3.20	-5.0	9.10	-20.0	9.170	63.70
25250	19.00	2.40	-5.0	6.90	-20.0	14.700	31.00
25251	12.00	1.90	-5.0	7.70	-20.0	9.830	40.00
25252	20.00	2.10	-5.0	6.80	-20.0	17.200	24.00
25253	30.00	2.40	-5.0	9.50	-20.0	11.600	40.00
25254	14.00	2.30	-5.0	10.00	-20.0	7.330	55.10
25255	69.00	3.40	-5.0	9.10	-20.0	13.100	67.60
25256	24.00	2.20	-5.0	9.50	-20.0	12.900	43.00
25257	10.00	1.90	-5.0	9.40	-20.0	13.100	39.00
25258	167.00	2.20	-5.0	7.50	-20.0	7.780	40.00
25259	11.00	1.60	-5.0	9.00	-20.0	13.000	34.00
25260	22.00	.92	53.0	8.30	-20.0	4.100	35.00
25261	13.00	1.50	-5.0	8.00	-20.0	12.300	28.00

S#	Lu	Mo	K	Rb	Sm	Sc	Se
24791	.44	-5.0	.560	28.0	4.70	4.70	-5.0
24792	.44	-5.0	1.100	58.0	5.90	7.60	-5.0
24793	.22	-5.0	2.300	96.0	2.00	5.50	-5.0
24794	-.20	-5.0	1.200	58.0	1.70	3.60	-5.0
24795	.25	-5.0	3.100	140.0	3.10	7.10	-5.0
24796	.84	-5.0	3.500	160.0	8.50	17.90	-5.0
24797	.52	-5.0	1.900	83.0	5.30	6.80	-5.0
24798	.34	-5.0	.300	-20.0	2.90	1.80	-5.0
24799	.55	-5.0	1.500	64.0	5.60	6.20	-5.0
24921	.73	-5.0	1.700	100.0	13.00	21.00	-5.0
24922	.63	-5.0	-.200	-20.0	20.00	30.10	-5.0
24923	.55	-5.0	.840	21.0	15.00	28.80	-5.0
24924	.62	-5.0	-.200	-20.0	10.00	47.10	-5.0
24925	.73	-5.0	.210	34.0	16.00	26.60	8.9
24926	.58	-5.0	.500	25.0	15.00	28.80	-5.0
24927	.63	-5.0	.680	41.0	11.00	20.90	10.0
24928	.56	-5.0	2.300	130.0	6.30	8.70	-5.0
24929	-.20	-5.0	-.200	-20.0	.74	.57	-5.0
24930	.27	-5.0	-.200	-20.0	2.00	1.20	-5.0

25101	.35	-5.0	1.300	84.0	4.20	10.20	-5.0
25102	-.20	-5.0	.250	57.0	2.60	3.30	-5.0
25103	.21	-5.0	.290	-20.0	1.90	1.80	-5.0
25104	.22	-5.0	-.200	-20.0	1.00	1.10	-5.0
25105	.34	-5.0	.270	-20.0	1.10	1.70	-5.0
25106	.25	-5.0	.650	40.0	2.20	2.50	-5.0
25107	.37	-5.0	-.200	-20.0	1.60	.80	-5.0
25108	.76	-5.0	2.900	160.0	6.90	12.30	-5.0
25109	.84	-5.0	4.100	210.0	9.30	17.30	-5.0
25110	.75	-5.0	3.100	180.0	8.80	14.10	-5.0
25111	.80	-5.0	2.400	130.0	10.00	9.20	-5.0
25112	-.20	-5.0	-.200	-20.0	-.20	-.10	-5.0
25113	-.20	-5.0	-.200	-20.0	.49	.35	-5.0
25114	.57	-5.0	2.400	120.0	5.80	10.70	-5.0
25115	.67	-5.0	2.300	110.0	8.80	10.10	-5.0
25116	.42	-5.0	-.200	-20.0	1.80	1.80	-5.0
25117	.83	-5.0	3.900	220.0	8.80	14.50	-5.0
25118	.73	-5.0	3.300	190.0	7.90	12.40	-5.0
25119	.58	-5.0	1.900	300.0	25.50	32.30	-5.0
25120	.44	-5.0	1.500	190.0	7.70	11.70	-5.0
25121	.59	-5.0	.340	56.0	15.00	27.00	-5.0
25122	.62	-5.0	-.200	51.0	16.00	33.40	-5.0
25123	.59	-5.0	.400	45.0	13.00	32.10	-5.0
25124	.68	-5.0	-.200	34.0	14.00	28.80	-5.0
25125	.52	-5.0	.850	150.0	14.00	34.40	-5.0
25126	.64	-5.0	.400	46.0	13.00	25.50	-5.0
25127	.69	-5.0	1.000	77.0	13.00	11.20	-5.0
25128	.62	-5.0	.630	79.0	13.00	14.70	-5.0
25129	.66	-5.0	.580	45.0	10.00	38.40	-5.0
25130	.61	-5.0	.930	99.0	13.00	31.20	-5.0
25131	.55	-5.0	1.000	110.0	16.00	26.30	-5.0
25132	.68	-5.0	2.800	210.0	9.10	15.30	-5.0
25133	.58	-5.0	1.100	57.0	5.50	5.00	-5.0
25134	.66	-5.0	1.100	74.0	8.20	5.70	-5.0
25135	.73	-5.0	1.700	94.0	9.20	7.20	-5.0
25136	.60	-5.0	.690	62.0	14.00	24.90	-5.0
25137	.57	-5.0	.380	32.0	19.00	33.10	-5.0
25138	.67	-5.0	1.500	130.0	19.00	35.10	-5.0
25139	.58	-5.0	.520	59.0	16.00	25.10	-5.0
25140	.54	-5.0	.820	75.0	16.00	23.50	-5.0
25141	.54	-5.0	.920	37.0	17.00	30.70	-5.0
25142	.64	-5.0	-.200	-20.0	18.00	28.90	-5.0
25143	.56	-5.0	1.000	44.0	13.00	31.70	-5.0
25144	.45	-5.0	-.200	-20.0	14.00	21.60	-5.0
25145	.43	-5.0	1.500	200.0	12.00	21.80	-5.0
25146	.72	-5.0	1.900	110.0	18.00	38.30	-5.0
25147	.70	-5.0	1.100	93.0	15.00	25.80	-5.0
25148	.46	-5.0	1.200	63.0	4.70	7.00	-5.0
25149	.55	-5.0	1.600	140.0	6.70	34.90	-5.0
25150	.54	-5.0	1.400	150.0	10.00	20.10	-5.0
25151	.71	-5.0	.530	46.0	10.00	34.90	-5.0
25152	.53	-5.0	1.100	120.0	10.00	30.40	-5.0
25153	.50	-5.0	1.200	87.0	7.10	20.50	-5.0
25154	.53	-5.0	.780	55.0	7.70	27.00	-5.0
25155	.67	-5.0	1.200	120.0	9.10	31.40	-5.0
25156	.46	-5.0	.710	91.0	6.00	59.40	-5.0
25157	.59	-5.0	.730	59.0	5.30	36.80	-5.0
25158	.54	-5.0	1.000	98.0	8.40	24.80	-5.0
25159	.55	-5.0	.650	89.0	8.00	18.80	-5.0
25160	.64	-5.0	.710	78.0	7.60	28.00	-5.0
25161	.47	-5.0	.420	39.0	6.60	34.10	-5.0
25162	.32	-5.0	.550	72.0	6.00	10.20	-5.0
25163	.51	-5.0	.830	89.0	8.60	15.30	-5.0
25164	.20	-5.0	.260	22.0	2.40	7.70	-5.0
25165	.23	-5.0	.480	64.0	2.60	18.70	-5.0
25166	-.20	-5.0	-.200	-20.0	1.70	7.00	-5.0

25167	.54	-5.0	.920	110.0	9.20	18.30	-5.0
25168	.69	-5.0	.730	60.0	10.00	52.60	-5.0
25169	.61	-5.0	1.700	160.0	8.10	20.80	-5.0
25170	.62	-5.0	.660	72.0	8.20	32.40	-5.0
25171	.65	-5.0	.670	56.0	8.60	33.90	-5.0
25172	.61	-5.0	.330	24.0	7.90	33.90	-5.0
25173	.59	-5.0	.730	110.0	8.80	24.50	-5.0
25174	.64	-5.0	.920	100.0	8.60	26.90	-5.0
25175	.55	-5.0	2.700	180.0	8.60	24.10	-5.0
25176	.72	-5.0	2.600	200.0	13.00	32.50	-5.0
25177	.60	-5.0	1.400	96.0	6.90	32.90	-5.0
25178	.48	-5.0	1.200	88.0	7.00	18.60	-5.0
25179	.61	-5.0	.300	37.0	8.90	27.60	-5.0
25180	.33	-5.0	1.900	44.0	4.20	13.20	-5.0
25181	.47	-5.0	1.100	120.0	6.20	24.80	-5.0
25182	.72	-5.0	.330	55.0	8.50	42.40	-5.0
25183	.52	-5.0	.280	45.0	5.20	25.00	-5.0
25184	.45	-5.0	.380	47.0	9.20	35.70	-5.0
25185	.34	-5.0	.460	51.0	5.40	12.70	-5.0
25186	-.20	-5.0	-.200	57.0	1.50	5.90	-5.0
25187	.23	-5.0	.320	39.0	6.70	35.10	-5.0
25188	-.20	-5.0	-.200	94.0	.59	1.40	-5.0
25189	-.20	-5.0	.570	30.0	2.40	4.60	-5.0
25190	.25	-5.0	1.400	77.0	4.00	6.00	-5.0
25191	.40	-5.0	2.500	95.0	6.10	11.70	-5.0
25192	.37	-5.0	.500	24.0	3.10	4.80	-5.0
25193	.44	-5.0	1.900	88.0	5.80	7.10	-5.0
25194	.66	-5.0	2.700	150.0	7.60	10.80	-5.0
25195	1.00	-5.0	3.400	180.0	8.80	15.80	-5.0
25196	.72	-5.0	3.100	170.0	8.50	15.70	-5.0
25197	.35	-5.0	.630	33.0	2.70	2.90	-5.0
25198	-.20	-5.0	-.200	-20.0	.39	.45	-5.0
25199	.57	-5.0	2.700	160.0	5.80	10.40	-5.0
25200	.32	-5.0	2.100	39.0	4.30	13.00	-5.0
25201	.35	-5.0	.480	35.0	2.30	2.70	-5.0
25202	.28	-5.0	-.200	-20.0	1.60	1.60	-5.0
25203	.27	-5.0	1.200	130.0	3.90	20.20	-5.0
25204	.57	-5.0	-.200	21.0	25.90	48.10	-5.0
25205	.58	-5.0	.530	-20.0	20.00	17.40	-5.0
25206	.52	-5.0	.500	53.0	16.00	27.40	-5.0
25207	.48	-5.0	1.200	140.0	15.00	27.40	-5.0
25208	.54	-5.0	.770	80.0	15.00	21.20	-5.0
25209	.44	-5.0	.440	28.0	16.00	46.20	-5.0
25210	.34	-5.0	.210	27.0	10.00	30.50	-5.0
25211	.64	-5.0	.860	71.0	14.00	45.90	-5.0
25212	.63	-5.0	.410	25.0	16.00	31.10	-5.0
25213	.55	-5.0	1.400	87.0	12.00	37.10	-5.0
25214	.76	-5.0	-.200	47.0	20.30	49.00	-5.0
25215	.63	-5.0	-.200	-20.0	19.00	26.70	-5.0
25216	.55	-5.0	.570	48.0	18.00	24.40	-5.0
25217	.69	-5.0	2.800	190.0	6.90	13.30	-5.0
25218	.72	-5.0	3.600	220.0	7.80	14.40	-5.0
25219	.51	-5.0	1.300	98.0	14.00	23.80	-5.0
25220	.42	-5.0	1.900	190.0	7.30	11.30	-5.0
25221	.43	-5.0	2.300	130.0	10.00	31.10	-5.0
25222	.48	-5.0	.210	-20.0	17.00	21.90	-5.0
25223	.46	-5.0	.580	53.0	15.00	23.90	-5.0
25224	.53	-5.0	.470	33.0	11.00	31.90	-5.0
25225	.64	-5.0	2.500	120.0	7.00	9.10	-5.0
25226	.28	-5.0	.240	-20.0	1.00	1.70	-5.0
25227	.36	-5.0	.530	35.0	2.20	3.10	-5.0
25228	.39	-5.0	.570	27.0	3.10	3.20	-5.0
25229	.52	-5.0	.560	70.0	5.40	31.40	-5.0
25230	.58	-5.0	.940	130.0	7.10	35.40	-5.0
25231	.47	-5.0	.670	83.0	6.10	24.70	-5.0
25232	.51	-5.0	.900	93.0	7.10	13.90	-5.0

25233	.60	-5.0	.350	66.0	13.00	18.80	-5.0
25234	.50	-5.0	1.000	110.0	8.20	46.40	-5.0
25235	.79	-5.0	2.400	140.0	12.00	35.00	-5.0
25236	.43	-5.0	1.000	89.0	7.10	22.50	-5.0
25237	.48	-5.0	.470	68.0	8.70	15.90	-5.0
25238	.78	-5.0	1.600	250.0	16.00	34.80	-5.0
25239	.63	-5.0	1.400	170.0	7.80	37.50	-5.0
25240	.42	-5.0	1.700	180.0	7.30	11.20	-5.0
25241	.61	-5.0	.890	100.0	9.30	45.00	-5.0
25242	.59	-5.0	.720	84.0	6.10	24.00	-5.0
25243	.41	-5.0	-.200	48.0	4.70	18.00	-5.0
25244	.57	-5.0	1.200	140.0	6.00	32.60	-5.0
25245	.79	-5.0	1.400	130.0	12.00	36.70	-5.0
25246	.76	-5.0	1.100	120.0	8.30	34.00	-5.0
25247	.65	-5.0	1.600	120.0	8.70	25.40	-5.0
25248	.70	-5.0	1.700	110.0	12.00	30.50	-5.0
25249	.83	-5.0	2.300	150.0	16.00	26.40	-5.0
25250	.64	-5.0	.790	74.0	9.20	40.60	-5.0
25251	.60	-5.0	.750	90.0	8.70	29.10	-5.0
25252	.63	-5.0	.640	98.0	7.50	45.20	-5.0
25253	.74	-5.0	1.200	79.0	11.00	29.60	-5.0
25254	.62	-5.0	.820	91.0	11.00	23.30	-5.0
25255	.75	-5.0	2.500	240.0	12.00	34.70	-5.0
25256	.68	-5.0	.650	69.0	10.00	37.30	-5.0
25257	.70	-5.0	.720	75.0	8.60	40.00	-5.0
25258	.57	-5.0	1.200	110.0	10.00	26.90	-5.0
25259	.74	-5.0	1.400	110.0	7.90	40.30	-5.0
25260	.45	-5.0	1.800	190.0	7.20	11.20	-5.0
25261	.60	-5.0	1.400	110.0	6.60	28.30	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
24791	-5.00	1.50	6.50	-500.0	-2.00	-2.00	2.20
24792	-5.00	2.30	8.50	-500.0	-2.00	-2.00	2.20
24793	-5.00	1.40	7.50	-500.0	-2.00	2.10	1.00
24794	-5.00	-1.00	5.50	-500.0	-2.00	-2.00	.86
24795	-5.00	1.20	16.00	-500.0	2.00	2.90	1.20
24796	-5.00	1.40	13.00	-500.0	-2.00	5.10	4.00
24797	-5.00	1.60	8.50	-500.0	-2.00	-2.00	2.60
24798	-5.00	-1.00	4.40	-500.0	-2.00	-2.00	1.70
24799	-5.00	1.30	10.00	-500.0	2.20	-2.00	2.50
24921	-5.00	4.80	16.00	-500.0	2.10	-2.00	3.40
24922	-5.00	7.00	11.00	-500.0	-2.00	-2.00	2.70
24923	-5.00	6.30	10.00	-500.0	-2.00	-2.00	2.60
24924	-5.00	8.80	14.00	-500.0	-2.00	-2.00	3.30
24925	-5.00	7.40	16.00	-500.0	-2.00	-2.00	3.60
24926	-5.00	6.70	12.00	-500.0	-2.00	-2.00	3.20
24927	-5.00	5.00	14.00	-500.0	-2.00	-2.00	3.30
24928	-5.00	1.00	11.00	-500.0	-2.00	2.10	2.80
24929	-5.00	-1.00	1.10	-500.0	-2.00	-2.00	-.50
24930	-5.00	-1.00	2.60	-500.0	-2.00	-2.00	1.50
25101	-5.00	-1.00	6.80	-500.0	2.70	-2.00	1.70
25102	-5.00	-1.00	5.00	-500.0	-2.00	-2.00	.83
25103	-5.00	-1.00	2.40	-500.0	-2.00	-2.00	1.00
25104	-5.00	-1.00	1.80	-500.0	-2.00	-2.00	1.10
25105	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.70
25106	-5.00	-1.00	3.40	-500.0	-2.00	-2.00	1.30
25107	-5.00	-1.00	2.90	-500.0	-2.00	-2.00	1.90
25108	-5.00	1.90	13.00	-500.0	2.30	2.30	3.80
25109	-5.00	1.90	18.00	-500.0	-2.00	2.10	4.10
25110	-5.00	1.70	16.00	-500.0	-2.00	-2.00	3.80
25111	-5.00	1.80	15.00	-500.0	-2.00	2.80	3.90
25112	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25113	-5.00	-1.00	.74	-500.0	-2.00	-2.00	-.50
25114	-5.00	1.10	10.00	-500.0	-2.00	2.20	2.90
25115	-5.00	1.50	12.00	-500.0	-2.00	2.30	3.40

25116	-5.00	1.00	3.80	-500.0	2.00	-2.00	2.20
25117	-5.00	1.90	15.00	-500.0	-2.00	3.20	4.30
25118	-5.00	1.40	15.00	-500.0	2.90	2.10	3.60
25119	-5.00	6.10	8.50	-500.0	-2.00	-2.00	3.50
25120	-5.00	3.20	14.00	-500.0	5.40	2.70	2.20
25121	-5.00	8.00	9.30	-500.0	5.10	-2.00	3.20
25122	-5.00	9.10	11.00	-500.0	-2.00	-2.00	3.20
25123	-5.00	9.00	11.00	-500.0	5.00	-2.00	3.20
25124	-5.00	11.00	13.00	-500.0	6.00	-2.00	3.50
25125	-5.00	7.20	10.00	-500.0	-2.00	-2.00	3.10
25126	-5.00	6.60	18.00	-500.0	-2.00	2.70	3.30
25127	-5.00	3.90	12.00	-500.0	-2.00	-2.00	3.70
25128	-5.00	6.40	11.00	-500.0	-2.00	-2.00	3.40
25129	-5.00	7.30	12.00	-500.0	-2.00	-2.00	3.60
25130	-5.00	7.60	11.00	-500.0	-2.00	-2.00	3.30
25131	-5.00	6.90	9.50	-500.0	-2.00	-2.00	3.00
25132	-5.00	1.40	14.00	-500.0	3.20	3.30	3.50
25133	-5.00	1.70	7.70	-500.0	2.00	-2.00	3.00
25134	-5.00	1.70	10.00	-500.0	-2.00	2.30	3.30
25135	-5.00	2.40	12.00	-500.0	3.10	2.80	3.70
25136	-5.00	5.60	11.00	-500.0	-2.00	-2.00	2.90
25137	-5.00	8.70	11.00	-500.0	-2.00	-2.00	3.00
25138	-5.00	8.40	11.00	-500.0	-2.00	-2.00	3.50
25139	-5.00	7.00	11.00	-500.0	-2.00	-2.00	3.10
25140	-5.00	7.70	11.00	-500.0	-2.00	-2.00	2.80
25141	-5.00	8.00	12.00	-500.0	-2.00	-2.00	3.00
25142	-5.00	12.00	16.00	-500.0	-2.00	-2.00	2.80
25143	-5.00	13.00	18.00	-500.0	-2.00	-2.00	2.90
25144	-5.00	14.00	13.00	-500.0	5.20	-2.00	2.20
25145	-5.00	13.00	13.00	-500.0	11.00	-2.00	2.10
25146	-5.00	13.00	18.00	-500.0	-2.00	-2.00	3.60
25147	-5.00	10.00	15.00	-500.0	5.00	-2.00	3.30
25148	-5.00	-1.00	8.40	-500.0	-2.00	2.20	2.40
25149	-5.00	2.40	6.30	-500.0	-2.00	-2.00	3.20
25150	-5.00	2.60	6.50	-500.0	2.70	-2.00	2.80
25151	-5.00	4.20	7.40	-500.0	-2.00	-2.00	3.80
25152	-5.00	3.00	7.20	-500.0	4.00	-2.00	2.60
25153	-5.00	3.30	7.70	-500.0	-2.00	-2.00	2.60
25154	-5.00	3.20	6.40	-500.0	-2.00	-2.00	2.80
25155	-5.00	3.90	6.10	-500.0	-2.00	-2.00	3.80
25156	-5.00	1.00	4.90	-500.0	-2.00	-2.00	2.40
25157	-5.00	3.20	8.50	-500.0	-2.00	-2.00	3.50
25158	-5.00	2.30	8.10	-500.0	-2.00	-2.00	3.10
25159	-5.00	3.40	8.80	-500.0	-2.00	-2.00	2.80
25160	-5.00	2.90	11.00	-500.0	-2.00	2.20	3.60
25161	-5.00	2.00	5.90	-500.0	-2.00	-2.00	2.70
25162	-5.00	1.70	5.00	-500.0	-2.00	-2.00	1.60
25163	-5.00	2.80	8.30	-500.0	-2.00	2.50	2.60
25164	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.10
25165	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	1.30
25166	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.20
25167	-5.00	2.90	8.40	-500.0	-2.00	-2.00	2.70
25168	-5.00	3.90	11.00	550.0	-2.00	-2.00	3.90
25169	-5.00	2.90	8.70	-500.0	-2.00	-2.00	3.10
25170	-5.00	3.60	8.10	-500.0	-2.00	-2.00	3.70
25171	-5.00	3.40	9.00	-500.0	-2.00	-2.00	3.30
25172	-5.00	3.70	7.90	-500.0	-2.00	-2.00	3.30
25173	-5.00	2.80	7.60	-500.0	2.80	-2.00	3.00
25174	-5.00	2.80	8.30	-500.0	-2.00	-2.00	3.40
25175	-5.00	2.30	14.00	-500.0	-2.00	-2.00	3.10
25176	-5.00	2.80	10.00	-500.0	-2.00	-2.00	4.00
25177	-5.00	2.30	11.00	-500.0	-2.00	2.40	3.50
25178	-5.00	3.50	10.00	-500.0	-2.00	2.50	2.90
25179	-5.00	4.50	8.70	-500.0	-2.00	-2.00	3.30
25180	-5.00	-1.00	2.10	-500.0	3.40	-2.00	1.80
25181	-5.00	2.50	6.40	-500.0	-2.00	-2.00	2.20

25182	-5.00	3.00	6.00	-500.0	-2.00	-2.00	3.50
25183	-5.00	3.00	7.20	-500.0	-2.00	-2.00	2.60
25184	-5.00	2.90	5.40	-500.0	-2.00	-2.00	2.70
25185	-5.00	1.60	4.20	-500.0	-2.00	-2.00	1.80
25186	-5.00	-1.00	1.70	-500.0	-2.00	-2.00	-.50
25187	-5.00	1.20	2.80	-500.0	-2.00	-2.00	1.60
25188	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	-.50
25189	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	.94
25190	-5.00	-1.00	9.10	-500.0	-2.00	2.10	1.30
25191	-5.00	1.50	12.00	-500.0	4.10	-2.00	2.20
25192	-5.00	1.20	7.20	-500.0	2.30	2.70	1.60
25193	-5.00	-1.00	6.40	-500.0	-2.00	-2.00	2.30
25194	-5.00	1.40	15.00	-500.0	-2.00	2.10	3.40
25195	-5.00	2.40	15.00	-500.0	3.60	3.10	5.10
25196	-5.00	-1.00	13.00	-500.0	-2.00	-2.00	3.80
25197	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.90
25198	-5.00	-1.00	.85	-500.0	-2.00	-2.00	.50
25199	-5.00	1.20	7.80	-500.0	-2.00	2.40	3.00
25200	-5.00	1.60	1.60	-500.0	3.10	-2.00	1.60
25201	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.80
25202	-5.00	-1.00	2.40	-500.0	-2.00	-2.00	1.40
25203	-5.00	3.70	6.60	-500.0	2.70	-2.00	1.50
25204	-5.00	7.70	10.00	-500.0	-2.00	-2.00	3.00
25205	-12.00	5.90	6.10	-500.0	7.40	-2.00	4.30
25206	-5.00	7.00	11.00	-500.0	-2.00	-2.00	2.90
25207	-5.00	5.70	8.80	-500.0	3.20	-2.00	2.80
25208	-5.00	7.20	10.00	-500.0	4.10	-2.00	3.00
25209	-5.00	7.10	9.20	-500.0	-2.00	-2.00	2.60
25210	-5.00	6.60	7.80	-500.0	-2.00	-2.00	2.30
25211	-5.00	8.70	12.00	-500.0	-2.00	-2.00	3.70
25212	-5.00	8.80	10.00	-500.0	6.40	-2.00	3.30
25213	-5.00	6.10	9.00	-500.0	-2.00	2.30	3.20
25214	-5.00	10.00	11.00	-500.0	-2.00	-2.00	4.00
25215	-5.00	6.90	8.80	-500.0	-2.00	-2.00	3.50
25216	-5.00	6.00	10.00	-500.0	-2.00	-2.00	2.80
25217	-5.00	1.40	18.00	-500.0	-2.00	2.90	3.60
25218	-5.00	2.00	16.00	-500.0	-2.00	-2.00	3.60
25219	-5.00	6.40	11.00	-500.0	-2.00	-2.00	2.90
25220	-5.00	3.80	14.00	-500.0	6.00	4.00	2.20
25221	-5.00	5.40	8.40	-500.0	-2.00	-2.00	2.50
25222	-5.00	7.30	10.00	-500.0	-2.00	-2.00	2.50
25223	-5.00	5.30	9.20	-500.0	-2.00	-2.00	2.50
25224	-5.00	11.00	15.00	-500.0	-2.00	-2.00	2.40
25225	-5.00	1.40	11.00	-500.0	-2.00	-2.00	3.10
25226	-5.00	-1.00	2.40	-500.0	-2.00	-2.00	1.50
25227	-5.00	1.10	3.70	-500.0	-2.00	-2.00	1.90
25228	-5.00	2.00	4.20	-500.0	-2.00	-2.00	2.10
25229	-5.00	2.80	7.80	-500.0	-2.00	-2.00	2.80
25230	-5.00	3.10	7.10	-500.0	-2.00	-2.00	3.20
25231	-5.00	1.90	7.40	-500.0	-2.00	-2.00	2.50
25232	-5.00	2.60	10.00	-500.0	2.30	-2.00	2.60
25233	-5.00	4.20	6.80	-500.0	5.40	-2.00	3.10
25234	-5.00	2.70	10.00	-500.0	-2.00	-2.00	2.80
25235	-5.00	2.30	14.00	-500.0	-2.00	-2.00	4.00
25236	-5.00	2.20	6.50	-500.0	-2.00	-2.00	2.00
25237	-5.00	3.30	5.40	-500.0	9.40	-2.00	2.30
25238	-5.00	3.20	9.10	-500.0	5.40	-2.00	3.60
25239	-5.00	3.20	7.20	-500.0	-2.00	-2.00	3.20
25240	-5.00	3.10	13.00	-500.0	5.50	3.40	2.10
25241	-5.00	2.60	6.20	-500.0	-2.00	-2.00	3.20
25242	-5.00	2.80	8.30	-500.0	-2.00	-2.00	3.10
25243	-5.00	2.30	5.10	-500.0	-2.00	-2.00	2.10
25244	-5.00	2.00	8.10	-500.0	-2.00	-2.00	3.20
25245	-5.00	3.70	11.00	-500.0	-2.00	-2.00	4.30
25246	-5.00	3.50	11.00	-500.0	-2.00	-2.00	3.70
25247	-5.00	2.40	10.00	-500.0	-2.00	-2.00	3.50

25248	-5.00	4.30	10.00	-500.0	-2.00	-2.00	3.80
25249	-5.00	3.20	13.00	-500.0	5.50	-2.00	4.30
25250	-5.00	2.60	5.60	-500.0	-2.00	-2.00	3.40
25251	-5.00	2.60	7.50	-500.0	-2.00	-2.00	3.20
25252	-5.00	2.70	5.60	-500.0	-2.00	-2.00	3.20
25253	-5.00	3.20	11.00	-500.0	-2.00	-2.00	3.80
25254	-5.00	3.80	8.80	-500.0	-2.00	-2.00	3.20
25255	-5.00	3.20	11.00	-500.0	4.30	-2.00	4.10
25256	-5.00	3.20	10.00	-500.0	-2.00	-2.00	3.70
25257	-5.00	3.70	9.40	-500.0	-2.00	-2.00	3.50
25258	-5.00	2.60	8.70	-500.0	-2.00	-2.00	3.20
25259	-5.00	2.80	11.00	-500.0	-2.00	-2.00	3.50
25260	-5.00	2.80	14.00	-500.0	3.70	3.80	2.10
25261	-5.00	2.90	9.30	-500.0	-2.00	-2.00	3.20

S#	Zn	Zr
24791	-100.0	-500.0
24792	-100.0	-500.0
24793	-100.0	-500.0
24794	-100.0	-500.0
24795	600.0	-500.0
24796	-100.0	-500.0
24797	-100.0	-500.0
24798	-100.0	-500.0
24799	-100.0	-500.0
24921	130.0	590.0
24922	310.0	610.0
24923	250.0	910.0
24924	180.0	540.0
24925	130.0	830.0
24926	190.0	710.0
24927	100.0	-500.0
24928	-100.0	-500.0
24929	-100.0	-500.0
24930	-100.0	-500.0
25101	190.0	-500.0
25102	310.0	-500.0
25103	-100.0	-500.0
25104	-100.0	-500.0
25105	-100.0	-500.0
25106	-100.0	-500.0
25107	-100.0	-500.0
25108	-100.0	-500.0
25109	-100.0	-500.0
25110	-100.0	-500.0
25111	-100.0	-500.0
25112	-100.0	-500.0
25113	-100.0	-500.0
25114	-100.0	-500.0
25115	-100.0	-500.0
25116	-100.0	-500.0
25117	-100.0	-500.0
25118	-100.0	-500.0
25119	570.0	660.0
25120	120.0	-500.0
25121	450.0	650.0
25122	160.0	600.0
25123	150.0	680.0
25124	140.0	710.0
25125	860.0	790.0
25126	180.0	550.0
25127	-100.0	-500.0
25128	-100.0	600.0
25129	120.0	610.0
25130	130.0	720.0

25131	900.0	740.0
25132	-100.0	-500.0
25133	-100.0	-500.0
25134	-100.0	-500.0
25135	-100.0	-500.0
25136	230.0	620.0
25137	360.0	1000.0
25138	170.0	690.0
25139	180.0	880.0
25140	260.0	-500.0
25141	290.0	730.0
25142	120.0	620.0
25143	170.0	660.0
25144	-100.0	-500.0
25145	220.0	560.0
25146	200.0	680.0
25147	310.0	620.0
25148	-100.0	-500.0
25149	290.0	-500.0
25150	-100.0	-500.0
25151	150.0	660.0
25152	160.0	-500.0
25153	-100.0	-500.0
25154	280.0	-500.0
25155	1100.0	-500.0
25156	820.0	560.0
25157	400.0	-500.0
25158	410.0	-500.0
25159	290.0	-500.0
25160	380.0	610.0
25161	600.0	520.0
25162	760.0	-500.0
25163	130.0	-500.0
25164	-100.0	-500.0
25165	540.0	-500.0
25166	-100.0	-500.0
25167	100.0	-500.0
25168	400.0	570.0
25169	190.0	-500.0
25170	280.0	-500.0
25171	210.0	520.0
25172	190.0	560.0
25173	280.0	-500.0
25174	400.0	-500.0
25175	210.0	-500.0
25176	420.0	510.0
25177	280.0	-500.0
25178	100.0	-500.0
25179	230.0	540.0
25180	850.0	-500.0
25181	350.0	-500.0
25182	360.0	520.0
25183	360.0	-500.0
25184	5000.0	-500.0
25185	490.0	-500.0
25186	970.0	-500.0
25187	15300.0	-500.0
25188	170.0	-500.0
25189	400.0	-500.0
25190	-100.0	-500.0
25191	320.0	-500.0
25192	-100.0	2600.0
25193	-100.0	-500.0
25194	-100.0	-500.0
25195	-100.0	580.0
25196	-100.0	-500.0

424293

25197	-100.0	-500.0
25198	-100.0	-500.0
25199	-100.0	-500.0
25200	860.0	-500.0
25201	-100.0	-500.0
25202	-100.0	-500.0
25203	-100.0	540.0
25204	670.0	660.0
25205	2600.0	-500.0
25206	200.0	820.0
25207	190.0	530.0
25208	-100.0	650.0
25209	110.0	600.0
25210	130.0	510.0
25211	240.0	820.0
25212	170.0	830.0
25213	170.0	590.0
25214	300.0	1200.0
25215	670.0	660.0
25216	230.0	890.0
25217	180.0	-500.0
25218	-100.0	-500.0
25219	-100.0	-500.0
25220	110.0	-500.0
25221	260.0	-500.0
25222	-100.0	580.0
25223	160.0	900.0
25224	130.0	610.0
25225	-100.0	-500.0
25226	-100.0	-500.0
25227	-100.0	-500.0
25228	-100.0	-500.0
25229	150.0	530.0
25230	340.0	-500.0
25231	230.0	-500.0
25232	-100.0	-500.0
25233	-100.0	-500.0
25234	150.0	-500.0
25235	140.0	-500.0
25236	120.0	-500.0
25237	-100.0	-500.0
25238	220.0	-500.0
25239	240.0	-500.0
25240	130.0	-500.0
25241	400.0	500.0
25242	140.0	530.0
25243	540.0	-500.0
25244	230.0	-500.0
25245	210.0	520.0
25246	280.0	-500.0
25247	100.0	560.0
25248	220.0	-500.0
25249	370.0	640.0
25250	280.0	620.0
25251	200.0	-500.0
25252	340.0	500.0
25253	230.0	550.0
25254	130.0	-500.0
25255	460.0	-500.0
25256	230.0	-500.0
25257	140.0	-500.0
25258	470.0	540.0
25259	210.0	-500.0
25260	110.0	-500.0
25261	210.0	-500.0

424294

RGC TASMANIA SAMPLES # 25262-25400, 25402, 25404-25541, 25565-25600
BECQUEREL JOB # 912
NOTE: RESULTS ARE IN ppm; Au, Ir are in ppb.
Fe, K, Na are in %.
Enquiry please quote above job#.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
25262	1.00	19.00	190.0	8.60	75.00	14.00	190.0
25263	3.50	227.00	-100.0	32.00	66.00	8.30	320.0
25264	2.00	62.00	-100.0	13.00	61.00	13.00	260.0
25265	1.90	28.00	320.0	5.80	81.00	16.00	110.0
25266	1.80	7.50	130.0	100.00	61.00	7.00	230.0
25267	12.00	130.00	190.0	21.00	72.00	7.90	170.0
25268	1.00	2.00	-100.0	2.30	4.00	-1.00	37.0
25269	2.30	-2.00	310.0	13.00	82.00	6.40	43.0
25270	4.70	2.30	590.0	6.30	120.00	10.00	120.0
25271	1.30	-2.00	160.0	2.20	18.00	1.90	24.0
25272	3.00	-2.00	-100.0	7.30	67.00	1.50	69.0
25273	1.60	-2.00	480.0	5.60	82.00	8.80	45.0
25274	.90	-2.00	-100.0	2.70	5.90	-1.00	41.0
25275	.71	-2.00	-100.0	3.30	6.70	-1.00	14.0
25276	.93	-2.00	-100.0	3.00	10.00	-1.00	45.0
25277	3.50	10.00	240.0	9.00	57.00	3.90	62.0
25278	1.40	-2.00	196000.0	7.20	56.00	2.40	52.0
25279	20.00	285.00	17200.0	19.00	150.00	-1.00	27.0
25280	2.70	302.00	530.0	-2.00	29.00	1.40	50.0
25281	1.90	-2.00	1200.0	6.30	48.00	3.50	44.0
25282	3.10	-2.00	310.0	3.90	49.00	4.30	25.0
25283	2.20	-2.00	230.0	9.20	39.00	3.90	44.0
25284	2.00	-2.00	210.0	5.70	34.00	2.80	19.0
25285	1.50	-2.00	210.0	7.80	31.00	6.80	29.0
25286	6.70	13.00	390.0	4.00	64.00	12.00	58.0
25287	6.20	8.40	550.0	6.20	74.00	17.00	60.0
25288	2.60	-2.00	-100.0	3.80	14.00	2.30	13.0
25289	1.70	23.00	290.0	4.80	20.00	9.40	47.0
25290	5.50	5.90	600.0	3.40	71.00	11.00	53.0
25291	2.60	4.10	580.0	5.10	65.00	8.20	100.0
25292	6.30	4.50	350.0	7.80	84.00	10.00	56.0
25293	3.50	-2.00	-100.0	-2.00	12.00	1.20	52.0
25294	2.60	-2.00	270.0	3.50	54.00	8.90	85.0
25295	1.30	-2.00	290.0	5.70	67.00	8.80	67.0
25296	1.20	-2.00	300.0	9.50	65.00	9.40	45.0
25297	1.90	-2.00	360.0	7.30	73.00	11.00	69.0
25298	1.80	-2.00	480.0	5.50	95.00	12.00	65.0
25299	3.20	7.10	330.0	6.00	91.00	12.00	68.0
25300	-.20	2.70	460.0	-2.00	71.00	17.00	450.0
25301	5.40	10.00	270.0	7.20	60.00	6.40	79.0
25302	3.30	-2.00	-100.0	3.70	24.00	-1.00	12.0
25303	2.20	-2.00	400.0	5.40	100.00	11.00	120.0
25304	6.80	-2.00	530.0	-2.00	92.00	10.00	92.0
25305	7.40	8.60	-100.0	14.00	38.00	-1.00	27.0
25306	2.10	-2.00	500.0	4.10	100.00	11.00	77.0
25307	3.30	-2.00	-100.0	42.00	74.00	4.30	310.0
25308	4.30	3.90	-100.0	6.90	160.00	3.80	200.0
25309	13.00	33.00	-100.0	3.10	130.00	6.60	110.0
25310	12.00	35.00	130.0	10.00	32.00	7.10	130.0
25311	3.60	52.00	-100.0	10.00	20.00	4.00	270.0
25312	4.60	35.00	-100.0	11.00	98.00	4.30	360.0
25313	1.70	19.00	120.0	10.00	80.00	15.00	150.0
25314	1.50	4.20	290.0	5.40	98.00	19.00	180.0
25315	.86	24.00	-100.0	23.00	120.00	7.80	290.0
25316	1.10	3.20	-100.0	4.80	180.00	11.00	190.0

25317	1.60	6.70	150.0	12.00	89.00	13.00	200.0
25318	2.30	15.00	130.0	5.80	67.00	11.00	330.0
25319	3.40	19.00	-100.0	3.80	258.00	14.00	280.0
25320	2.80	299.00	470.0	-2.00	29.00	1.10	47.0
25321	4.70	5.10	380.0	7.00	170.00	16.00	150.0
25322	2.80	7.50	-100.0	7.90	120.00	18.00	360.0
25323	4.40	12.00	180.0	8.90	180.00	17.00	380.0
25324	3.00	11.00	250.0	11.00	120.00	28.00	310.0
25325	5.00	22.00	460.0	4.20	83.00	7.90	460.0
25326	2.10	6.40	-100.0	11.00	130.00	10.00	260.0
25327	8.80	2.60	380.0	2.60	26.00	21.00	220.0
25328	2.70	7.80	-100.0	11.00	120.00	8.00	280.0
25329	12.00	16.00	190.0	11.00	79.00	12.00	170.0
25330	6.80	11.00	280.0	22.00	41.00	4.20	350.0
25331	1.00	-2.00	340.0	4.90	84.00	9.40	78.0
25332	1.50	-2.00	190.0	4.90	42.00	3.90	31.0
25333	4.90	-2.00	510.0	4.00	110.00	9.10	75.0
25334	6.50	6.30	510.0	3.60	81.00	10.00	56.0
25335	1.10	2.70	230.0	-2.00	83.00	5.10	45.0
25336	1.70	-2.00	320.0	9.30	120.00	36.00	430.0
25337	3.50	62.00	360.0	3.50	73.00	17.00	110.0
25338	12.00	110.00	330.0	4.70	76.00	17.00	320.0
25339	22.50	160.00	210.0	4.00	95.00	21.00	190.0
25340	2.90	311.00	530.0	-2.00	30.00	1.20	50.0
25341	13.00	59.00	210.0	4.80	74.00	21.00	540.0
25342	5.00	47.00	200.0	4.50	68.00	3.70	110.0
25343	2.90	7.20	710.0	2.30	14.00	29.00	4530.0
25344	1.90	22.00	270.0	11.00	60.00	10.00	78.0
25345	8.70	65.00	900.0	-2.00	160.00	4.70	340.0
25346	8.80	140.00	810.0	-2.00	260.00	8.70	300.0
25347	9.20	100.00	470.0	-2.00	88.00	12.00	130.0
25348	1.10	-2.00	260.0	3.20	60.00	7.50	37.0
25349	3.50	16.00	370.0	-2.00	170.00	17.00	370.0
25350	11.00	234.00	1100.0	2.40	140.00	20.00	440.0
25351	2.70	214.00	2900.0	9.40	93.00	16.00	250.0
25352	3.50	180.00	430.0	-2.00	170.00	7.80	340.0
25353	2.10	3.30	350.0	5.00	120.00	16.00	250.0
25354	2.50	5.60	-100.0	16.00	150.00	2.30	190.0
25355	.45	-2.00	-100.0	8.50	27.00	1.10	15.0
25356	.47	-2.00	-100.0	-2.00	19.00	-1.00	37.0
25357	.45	-2.00	-100.0	-2.00	20.00	-1.00	15.0
25358	.44	-2.00	-100.0	7.30	20.00	1.10	46.0
25359	1.10	3.30	310.0	15.00	235.00	4.80	370.0
25360	2.60	293.00	530.0	-2.00	28.00	1.20	50.0
25361	1.00	-2.00	700.0	7.10	110.00	11.00	82.0
25362	.44	-2.00	600.0	9.10	100.00	9.40	70.0
25363	1.00	-2.00	530.0	4.50	76.00	8.80	120.0
25364	.43	-2.00	-100.0	4.70	17.00	-1.00	40.0
25365	.63	-2.00	450.0	5.70	57.00	8.50	61.0
25366	1.30	-2.00	540.0	3.60	96.00	10.00	63.0
25367	1.30	-2.00	570.0	3.70	92.00	10.00	72.0
25368	.48	-2.00	-100.0	4.90	26.00	1.70	16.0
25369	.52	-2.00	140.0	-2.00	49.00	2.10	32.0
25370	.91	-2.00	280.0	8.90	32.00	6.40	38.0
25371	1.70	-2.00	450.0	8.30	82.00	13.00	78.0
25372	.53	-2.00	160.0	7.40	53.00	3.00	19.0
25373	.49	-2.00	-100.0	6.20	38.00	1.60	48.0
25374	2.90	-2.00	520.0	5.50	97.00	10.00	76.0
25375	.82	-2.00	220.0	8.40	56.00	3.80	53.0
25376	.86	2.30	510.0	5.10	98.00	13.00	78.0
25377	.61	-2.00	-100.0	8.80	33.00	1.50	14.0
25378	20.90	39.00	360.0	-2.00	77.00	10.00	55.0
25379	1.00	-2.00	170.0	6.20	42.00	3.10	30.0
25380	.25	3.10	410.0	-2.00	69.00	17.00	440.0
25381	.45	-2.00	-100.0	2.20	30.00	1.50	15.0
25382	9.00	43.00	-100.0	18.00	120.00	3.80	230.0

25383	5.10	18.00	160.0	60.00	150.00	2.80	180.0
25384	3.70	12.00	160.0	100.00	140.00	3.60	310.0
25385	1.20	6.90	110.0	7.40	28.00	5.60	72.0
25386	2.40	21.00	920.0	11.00	110.00	32.00	240.0
25387	3.50	93.00	-100.0	36.00	60.00	6.60	110.0
25388	3.10	26.00	320.0	4.80	140.00	15.00	270.0
25389	2.40	50.00	400.0	3.10	180.00	11.00	320.0
25390	2.40	110.00	430.0	13.00	180.00	7.30	230.0
25391	1.10	12.00	240.0	6.20	130.00	6.90	260.0
25392	2.70	32.00	410.0	4.70	180.00	18.00	310.0
25393	2.80	52.00	230.0	4.40	43.00	17.00	84.0
25394	8.10	110.00	240.0	-2.00	100.00	13.00	120.0
25395	2.30	-2.00	490.0	4.70	83.00	11.00	89.0
25396	10.00	14.00	100.0	23.00	45.00	5.90	120.0
25397	12.00	120.00	700.0	3.30	100.00	17.00	81.0
25398	4.00	60.00	-100.0	8.90	86.00	9.30	210.0
25399	5.50	5.80	440.0	11.00	110.00	12.00	100.0
25400	3.20	321.00	510.0	-2.00	30.00	-1.00	53.0
25402	23.80	2730.00	260.0	10.00	82.00	13.00	170.0
25404	9.50	63.00	440.0	2.40	96.00	27.00	420.0
25405	3.00	11.00	250.0	5.10	98.00	12.00	140.0
25406	1.20	12.00	510.0	7.70	73.00	18.00	82.0
25407	5.80	110.00	410.0	3.60	76.00	30.00	150.0
25408	1.80	13.00	-100.0	13.00	42.00	5.50	200.0
25409	13.00	59.00	160.0	20.00	56.00	7.80	150.0
25410	7.40	45.00	160.0	110.00	20.00	3.30	340.0
25411	1.50	7.30	-100.0	23.00	70.00	5.70	270.0
25412	2.30	53.00	-100.0	37.00	53.00	6.00	210.0
25413	17.00	54.00	180.0	11.00	44.00	8.00	110.0
25414	3.40	38.00	-100.0	13.00	92.00	16.00	130.0
25415	1.40	54.00	270.0	3.70	98.00	7.00	700.0
25416	1.10	21.00	410.0	4.60	89.00	17.00	130.0
25417	.92	49.00	840.0	5.60	110.00	12.00	270.0
25418	1.80	27.00	130.0	7.30	55.00	16.00	310.0
25419	1.40	21.00	200.0	7.00	140.00	16.00	300.0
25420	2.80	300.00	490.0	-2.00	29.00	-1.00	53.0
25421	.79	170.00	-100.0	8.20	30.00	6.50	110.0
25422	3.90	246.00	140.0	4.30	100.00	12.00	1100.0
25423	1.60	330.00	-100.0	2.10	314.00	7.50	190.0
25424	3.20	25.00	280.0	3.40	180.00	11.00	110.0
25425	1.40	49.00	180.0	4.30	91.00	6.60	160.0
25426	6.70	3.20	230.0	12.00	120.00	7.60	100.0
25427	1.20	5.70	250.0	8.80	130.00	11.00	330.0
25428	3.80	3.90	110.0	16.00	73.00	8.90	270.0
25429	1.10	-2.00	150.0	6.90	75.00	1.50	42.0
25430	5.10	15.00	520.0	7.40	96.00	7.60	43.0
25431	79.30	2470.00	-100.0	8.10	87.00	-1.00	390.0
25432	5.50	215.00	240.0	6.20	190.00	10.00	99.0
25433	14.00	47.00	440.0	24.00	110.00	13.00	92.0
25434	4.60	5.60	490.0	6.60	97.00	12.00	89.0
25435	11.00	5.00	270.0	12.00	110.00	11.00	120.0
25436	7.70	3.40	290.0	18.00	81.00	10.00	88.0
25437	4.40	2.20	-100.0	6.80	24.00	3.20	33.0
25438	89.40	3150.00	-100.0	7.60	-2.00	-1.00	18.0
25439	9.30	11.00	-100.0	8.00	4.80	-1.00	5.6
25440	2.90	304.00	560.0	-2.00	28.00	-1.00	48.0
25441	8.90	14.00	-100.0	10.00	14.00	1.00	7.3
25442	9.10	85.00	-100.0	3.20	63.00	1.40	41.0
25443	3.50	26.00	360.0	19.00	40.00	3.40	19.0
25444	3.70	48.00	340.0	2.10	94.00	14.00	59.0
25445	18.00	690.00	380.0	28.00	42.00	13.00	77.0
25446	6.10	14.00	550.0	19.00	71.00	14.00	66.0
25447	4.60	4.10	690.0	4.30	59.00	12.00	70.0
25448	1.10	-2.00	620.0	5.60	56.00	10.00	52.0
25449	1.80	2.90	240.0	4.60	31.00	4.40	34.0
25450	10.00	15.00	490.0	3.60	74.00	14.00	69.0

25451	1.20	-2.00	220.0	2.30	40.00	6.20	38.0
25452	.91	-2.00	200.0	6.10	31.00	7.00	25.0
25453	1.70	2.50	420.0	6.10	86.00	16.00	62.0
25454	5.50	27.00	590.0	11.00	110.00	17.00	68.0
25455	12.00	42.00	630.0	14.00	94.00	15.00	63.0
25456	.59	-2.00	-100.0	6.10	16.00	1.10	11.0
25457	.59	-2.00	-100.0	7.60	11.00	-1.00	22.0
25458	.57	-2.00	-100.0	3.50	19.00	-1.00	26.0
25459	1.90	-2.00	520.0	8.90	100.00	10.00	50.0
25460	2.90	299.00	410.0	-2.00	28.00	1.50	47.0
25461	2.40	13.00	310.0	-2.00	89.00	7.30	44.0
25462	.57	-2.00	-100.0	3.00	22.00	-1.00	8.2
25463	.87	-2.00	-100.0	2.40	17.00	-1.00	32.0
25464	.83	3.00	100.0	5.10	44.00	1.50	14.0
25465	.75	-2.00	-100.0	3.40	13.00	1.00	41.0
25466	1.80	3.50	110.0	-2.00	51.00	2.50	18.0
25467	.66	-2.00	-100.0	7.90	11.00	-1.00	43.0
25468	.59	2.20	-100.0	5.60	35.00	-1.00	10.0
25469	14.00	12.00	750.0	7.20	98.00	13.00	99.0
25470	3.10	10.00	480.0	10.00	72.00	8.40	120.0
25471	.69	-2.00	300.0	9.30	42.00	5.70	52.0
25472	.64	-2.00	270.0	12.00	53.00	6.20	39.0
25473	.60	-2.00	500.0	17.00	110.00	8.20	54.0
25474	1.30	-2.00	-100.0	64.00	34.00	3.10	52.0
25475	2.80	3.70	-100.0	20.00	130.00	4.60	210.0
25476	3.00	3.60	160.0	10.00	150.00	8.00	250.0
25477	1.90	4.70	170.0	9.30	209.00	2.50	340.0
25478	.75	-2.00	-100.0	5.60	28.00	-1.00	22.0
25479	.73	-2.00	-100.0	5.40	42.00	2.00	41.0
25480	1.10	-2.00	440.0	-2.00	69.00	16.00	430.0
25481	1.00	-2.00	270.0	6.20	54.00	7.50	39.0
25482	1.20	-2.00	-100.0	10.00	30.00	1.10	8.8
25483	1.40	-2.00	360.0	8.90	59.00	2.00	44.0
25484	.90	-2.00	360.0	7.70	33.00	2.10	57.0
25485	.56	-2.00	-100.0	6.00	15.00	-1.00	12.0
25486	7.70	26.00	600.0	-2.00	120.00	20.00	80.0
25487	4.40	67.00	-100.0	-2.00	-2.00	2.20	7.9
25488	13.00	89.00	-100.0	-2.00	-2.00	3.40	8.4
25489	6.90	26.00	640.0	-2.00	110.00	17.00	68.0
25490	1.90	28.00	-100.0	4.60	44.00	6.60	45.0
25491	2.30	34.00	540.0	-2.00	100.00	8.70	54.0
25492	1.60	17.00	520.0	-2.00	94.00	31.00	69.0
25493	2.80	20.00	240.0	-2.00	130.00	35.00	100.0
25494	5.70	27.00	430.0	3.40	68.00	15.00	79.0
25495	17.00	37.00	310.0	6.00	86.00	3.80	1060.0
25496	20.60	215.00	510.0	-2.00	140.00	9.50	140.0
25497	1.60	271.00	1500.0	8.80	-2.00	3.70	72.0
25498	1.30	8.90	170.0	-2.00	62.00	17.00	190.0
25499	2.30	47.00	150.0	3.10	76.00	8.20	500.0
25500	.28	2.50	520.0	-2.00	71.00	18.00	440.0
25501	1.30	25.00	250.0	4.90	49.00	6.30	230.0
25502	2.00	87.00	460.0	23.00	54.00	4.40	180.0
25503	5.00	110.00	710.0	7.90	99.00	8.60	150.0
25504	16.00	150.00	260.0	6.90	72.00	21.00	210.0
25505	2.00	99.00	710.0	-2.00	100.00	7.10	190.0
25506	12.00	120.00	180.0	11.00	43.00	13.00	130.0
25507	5.90	40.00	220.0	2.50	214.00	17.00	220.0
25508	.51	14.00	130.0	13.00	70.00	10.00	470.0
25509	4.60	23.00	-100.0	4.30	216.00	8.50	250.0
25510	4.80	3.90	-100.0	3.60	246.00	3.50	200.0
25511	2.50	4.20	-100.0	7.50	79.00	4.40	180.0
25512	1.10	-2.00	320.0	17.00	120.00	7.40	170.0
25513	3.60	3.20	620.0	5.10	100.00	8.30	220.0
25514	1.30	-2.00	510.0	79.00	130.00	12.00	300.0
25515	5.00	2.30	-100.0	26.00	5.60	-1.00	23.0
25516	15.00	4.20	-100.0	12.00	15.00	-1.00	22.0

25517	4.70	-2.00	-100.0	7.00	-2.00	-1.00	17.0
25518	6.70	3.90	-100.0	12.00	2.60	-1.00	12.0
25519	1.30	-2.00	-100.0	4.20	-2.00	-1.00	12.0
25520	.29	3.40	470.0	-2.00	76.00	20.00	500.0
25521	.93	-2.00	-100.0	4.60	-2.00	-1.00	21.0
25522	12.00	4.10	-100.0	30.00	15.00	-1.00	26.0
25523	20.00	29.00	510.0	18.00	120.00	9.00	170.0
25524	6.60	5.10	-100.0	17.00	5.90	-1.00	12.0
25525	26.40	797.00	-100.0	10.00	30.00	-1.00	48.0
25526	2.90	-2.00	420.0	3.60	120.00	16.00	87.0
25527	1.30	-2.00	440.0	10.00	95.00	13.00	62.0
25528	1.00	-2.00	450.0	6.40	84.00	11.00	57.0
25529	3.70	68.00	650.0	32.00	100.00	13.00	98.0
25530	1.40	-2.00	260.0	4.40	48.00	5.00	33.0
25531	.77	-2.00	490.0	7.40	62.00	8.50	59.0
25532	.89	-2.00	310.0	12.00	70.00	5.30	62.0
25533	1.50	-2.00	310.0	20.00	71.00	11.00	55.0
25534	.68	-2.00	220.0	6.60	42.00	4.00	35.0
25535	.92	-2.00	-100.0	6.40	7.10	1.40	13.0
25536	2.20	2.80	540.0	7.40	83.00	15.00	74.0
25537	4.20	31.00	560.0	6.60	84.00	9.10	71.0
25538	4.50	32.00	2000.0	46.00	63.00	14.00	97.0
25539	2.50	3.60	370.0	4.90	17.00	12.00	52.0
25540	2.70	293.00	530.0	-2.00	27.00	1.20	50.0
25541	7.30	245.00	-100.0	41.00	15.00	18.00	55.0
25565	3.20	6.90	460.0	3.10	77.00	10.00	58.0
25566	.64	-2.00	-100.0	7.90	24.00	1.00	41.0
25567	.84	-2.00	-100.0	10.00	22.00	-1.00	10.0
25568	1.10	2.00	250.0	12.00	68.00	3.70	44.0
25569	.85	-2.00	-100.0	13.00	33.00	-1.00	10.0
25570	1.80	-2.00	-100.0	-2.00	72.00	1.50	38.0
25571	.89	-2.00	-100.0	10.00	60.00	-1.00	15.0
25572	.58	-2.00	-100.0	2.20	44.00	1.20	35.0
25573	.71	-2.00	-100.0	7.20	28.00	-1.00	10.0
25574	.71	-2.00	-100.0	2.10	37.00	1.50	33.0
25575	1.10	-2.00	100.0	8.50	26.00	1.20	15.0
25576	.61	-2.00	230.0	7.20	56.00	2.30	40.0
25577	2.20	-2.00	790.0	5.70	110.00	15.00	62.0
25578	1.40	-2.00	580.0	43.00	201.00	14.00	68.0
25579	2.50	2.50	190.0	53.00	44.00	7.90	52.0
25580	2.90	310.00	520.0	-2.00	30.00	-1.00	57.0
25581	8.40	34.00	700.0	2.80	100.00	30.00	74.0
25582	1.90	360.00	-100.0	7.90	-2.00	1.20	23.0
25583	1.60	-2.00	500.0	3.20	49.00	19.00	75.0
25584	1.10	3.50	520.0	-2.00	110.00	30.00	63.0
25585	16.00	10.00	290.0	18.00	268.00	3.00	150.0
25586	14.00	13.00	-100.0	13.00	77.00	2.40	991.0
25587	.66	5.90	260.0	-2.00	49.00	1.70	600.0
25588	5.50	2.10	480.0	11.00	27.00	15.00	230.0
25589	5.00	3.00	-100.0	16.00	4.20	5.50	1420.0
25590	2.40	-2.00	170.0	36.00	27.00	17.00	110.0
25591	7.20	2.00	-100.0	37.00	61.00	16.00	130.0
25592	2.60	-2.00	340.0	11.00	35.00	21.00	160.0
25593	15.00	10.00	-100.0	33.00	15.00	4.50	250.0
25594	15.00	21.00	-100.0	27.00	150.00	2.80	140.0
25595	32.40	15.00	-100.0	170.00	7.30	1.20	420.0
25596	9.50	22.00	1200.0	69.00	19.00	8.70	651.0
25597	10.00	26.00	-100.0	94.00	20.00	36.00	230.0
25598	27.70	30.00	580.0	5.40	100.00	23.00	130.0
25599	2.00	-2.00	200.0	2.60	40.00	6.10	37.0
25600	.27	2.80	480.0	-2.00	72.00	18.00	460.0
24923R	-.20	7.70	800.0	70.00	180.00	-1.00	330.0
25114R	.73	-2.00	390.0	4.80	66.00	10.00	64.0
25137R	2.40	11.00	250.0	120.00	190.00	2.40	310.0
25154R	4.20	20.00	130.0	92.00	84.00	10.00	290.0
25172R	2.50	15.00	-100.0	43.00	65.00	7 90	400 0

25188R	1.50	262.00	4900.0	34.00	-2.00	2.50	26.0
25209R	2.30	5.30	260.0	49.00	110.00	2.10	220.0
25235R	2.50	19.00	390.0	47.00	130.00	13.00	160.0
25242R	3.80	110.00	160.0	45.00	53.00	10.00	260.0
25268R	1.00	-2.00	-100.0	2.40	4.30	-1.00	12.0
25282R	3.10	-2.00	320.0	4.30	46.00	3.80	48.0
[illegible]05R	7.20	8.40	-100.0	14.00	35.00	-1.00	30.0
[illegible]33R	5.10	-2.00	540.0	4.50	110.00	9.00	73.0
25350R	10.00	244.00	1200.0	2.90	130.00	20.00	420.0
25364R	.43	-2.00	-100.0	4.50	17.00	-1.00	42.0
25397R	12.00	120.00	620.0	3.20	110.00	16.00	82.0
25423R	1.60	327.00	-100.0	3.10	290.00	7.00	220.0
25433R	14.00	49.00	490.0	25.00	110.00	13.00	98.0
25482R	1.20	-2.00	-100.0	11.00	31.00	1.30	52.0
25494R	6.00	29.00	460.0	4.00	74.00	16.00	100.0
25519R	1.00	-2.00	-100.0	3.10	-2.00	-1.00	22.0
25532R	.73	-2.00	380.0	12.00	68.00	5.30	37.0
25571R	.94	-2.00	-100.0	11.00	62.00	-1.00	14.0
25597R	11.00	27.00	180.0	99.00	18.00	36.00	230.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
25262	15.00	1.90	-5.0	8.90	-20.0	10.300	38.00
25263	8.20	1.80	-5.0	8.50	-20.0	12.600	27.00
25264	7.60	1.30	-5.0	7.60	-20.0	2.600	25.00
25265	16.00	2.00	-5.0	4.80	-20.0	2.900	34.00
25266	10.00	1.40	-5.0	9.00	-20.0	8.490	29.00
25267	-1.00	.73	-5.0	9.50	-20.0	2.800	34.00
25268	-1.00	-.50	-5.0	2.50	-20.0	.580	2.10
25269	-1.00	1.00	-5.0	6.60	-20.0	.510	38.00
25270	-1.00	1.40	11.0	5.30	-20.0	.490	50.00
25271	-1.00	-.50	-5.0	2.00	-20.0	.560	8.00
[illegible]72	-1.00	.75	-5.0	9.20	-20.0	.810	32.00
25273	1.30	1.00	-5.0	5.90	-20.0	.630	40.00
25274	-1.00	-.50	-5.0	3.90	-20.0	.590	2.70
25275	-1.00	-.50	-5.0	3.30	-20.0	.700	3.10
25276	-1.00	-.50	-5.0	5.30	-20.0	.840	4.90
25277	-1.00	.70	-5.0	6.80	-20.0	.890	28.00
25278	-1.00	-.50	-5.0	5.50	-20.0	1.100	32.00
25279	-1.00	1.30	26.0	-1.00	-20.0	25.900	77.10
25280	15.00	.82	250.0	2.60	-20.0	4.500	15.00
25281	-1.00	.66	-5.0	6.90	-20.0	.710	23.00
25282	-1.00	.72	-5.0	7.30	-20.0	.550	22.00
25283	-1.00	.63	-5.0	6.10	-20.0	.570	18.00
25284	-1.00	-.50	-5.0	6.00	-20.0	.610	15.00
25285	-1.00	-.50	-5.0	6.00	-20.0	.620	14.00
25286	-1.00	1.00	-5.0	7.60	-20.0	.730	28.00
25287	1.40	1.00	-5.0	6.00	-20.0	1.200	34.00
25288	-1.00	-.50	-5.0	5.60	-20.0	.460	6.80
25289	-1.00	-.50	-5.0	7.40	-20.0	.790	8.60
25290	-1.00	1.20	-5.0	5.90	-20.0	.890	33.00
25291	-1.00	.58	-5.0	5.20	-20.0	.850	32.00
25292	1.20	.88	-5.0	6.80	-20.0	.710	40.00
25293	-1.00	-.50	-5.0	2.50	-20.0	.640	5.30
25294	-1.00	.90	-5.0	4.20	-20.0	.530	24.00
25295	1.10	.95	-5.0	4.60	-20.0	.670	32.00
25296	-1.00	.86	-5.0	4.80	-20.0	.710	29.00
[illegible]97	1.00	1.10	-5.0	4.60	-20.0	.800	35.00
25298	1.40	1.40	-5.0	6.00	-20.0	.890	44.00
25299	1.10	1.10	-5.0	5.90	-20.0	.690	43.00
25300	23.00	1.10	54.0	8.20	-20.0	4.200	36.00
25301	-1.00	.62	5.4	3.50	-20.0	.730	28.00
25302	-1.00	-.50	-5.0	2.40	-20.0	.460	12.00
25303	-1.00	1.00	-5.0	5.10	-20.0	.850	49.00
25304	-1.00	1.00	5.8	5.80	-20.0	.670	46.00
25305	7.90	-.50	-5.0	-1.00	-20.0	1.600	4.70

25306	1.40	1.10	8.0	7.00	-20.0	.670	49.00
25307	-1.00	1.20	-5.0	11.00	-20.0	.790	34.00
25308	9.10	5.20	-5.0	8.90	-20.0	8.090	64.40
25309	8.60	5.90	-5.0	6.80	-20.0	10.500	50.00
25310	10.00	2.10	-5.0	7.40	-20.0	10.400	16.00
25311	17.00	1.30	-5.0	7.30	-20.0	20.500	12.00
25312	3.40	2.20	-5.0	11.00	-20.0	8.870	49.00
25313	7.10	2.70	-5.0	7.90	-20.0	13.800	45.00
25314	4.70	2.40	-5.0	9.10	-20.0	3.100	69.00
25315	3.60	3.00	-5.0	10.00	-20.0	8.110	86.00
25316	5.70	4.90	-5.0	8.90	-20.0	3.100	111.00
25317	2.50	2.70	-5.0	7.90	-20.0	1.300	46.00
25318	6.20	1.70	-5.0	10.00	-20.0	10.100	32.00
25319	4.40	11.00	-5.0	10.00	-20.0	1.400	195.00
25320	16.00	1.10	360.0	2.60	-20.0	4.600	15.00
25321	2.40	2.60	-5.0	14.00	-20.0	.770	79.20
25322	14.00	4.10	-5.0	10.00	-20.0	2.800	53.90
25323	7.60	4.40	-5.0	10.00	-20.0	2.100	85.50
25324	16.00	4.50	-5.0	7.30	-20.0	3.500	60.20
25325	6.30	5.00	15.0	10.00	-20.0	1.800	42.00
25326	5.80	4.60	-5.0	10.00	-20.0	1.300	57.00
25327	-1.00	.91	11.0	8.70	-20.0	.630	13.00
25328	18.00	3.60	-5.0	10.00	-20.0	2.100	50.00
25329	2.20	1.90	18.0	6.60	-20.0	3.200	35.00
25330	11.00	2.20	-5.0	5.90	-20.0	7.760	19.00
25331	-1.00	.64	-5.0	6.30	-20.0	.620	42.00
25332	-1.00	-.50	-5.0	3.70	-20.0	.580	22.00
25333	-1.00	1.50	-5.0	8.50	-20.0	.560	53.40
25334	-1.00	.88	-5.0	7.00	-20.0	.500	40.00
25335	-1.00	.93	-5.0	10.00	-20.0	.740	42.00
25336	-1.00	1.80	-5.0	11.00	-20.0	.510	54.00
25337	73.00	1.50	-5.0	4.30	-20.0	5.670	37.00
25338	133.00	1.90	-5.0	8.20	-20.0	6.650	36.00
25339	84.00	2.40	-5.0	7.00	-20.0	4.800	41.00
25340	17.00	1.00	240.0	2.70	-20.0	4.800	15.00
25341	85.00	1.50	10.0	7.00	-20.0	6.280	32.00
25342	375.00	1.10	-5.0	5.90	-20.0	7.220	32.00
25343	35.00	-.50	-5.0	1.60	-20.0	9.600	7.40
25344	3.40	.92	-5.0	5.50	-20.0	1.800	30.00
25345	68.00	5.70	-5.0	11.00	-20.0	7.800	81.40
25346	44.00	10.00	-5.0	11.00	-20.0	4.300	120.00
25347	38.00	1.10	-5.0	6.00	-20.0	1.300	42.00
25348	-1.00	1.00	-5.0	7.90	-20.0	.820	28.00
25349	111.00	5.00	-5.0	12.00	-20.0	3.600	85.20
25350	207.00	3.60	-5.0	11.00	-20.0	3.300	62.50
25351	82.00	3.40	-5.0	4.50	-20.0	27.700	53.30
25352	373.00	5.00	-5.0	13.00	-20.0	2.600	85.50
25353	8.40	3.00	-5.0	11.00	-20.0	2.300	61.10
25354	16.00	3.20	-5.0	13.00	-20.0	1.000	83.20
25355	1.30	-.50	-5.0	6.70	-20.0	.280	13.00
25356	1.00	-.50	-5.0	6.00	-20.0	.300	9.40
25357	1.30	-.50	-5.0	6.10	-20.0	.320	10.00
25358	-1.00	-.50	-5.0	5.10	-20.0	.380	9.40
25359	2.40	6.00	-5.0	16.00	-20.0	1.100	116.00
25360	16.00	1.10	220.0	2.20	-20.0	4.400	14.00
25361	1.10	1.40	-5.0	7.90	-20.0	.840	54.70
25362	-1.00	1.30	5.1	8.00	-20.0	.680	47.00
25363	-1.00	1.20	-5.0	6.80	-20.0	.410	36.00
25364	-1.00	-.50	-5.0	6.80	-20.0	.360	7.70
25365	-1.00	.82	-5.0	9.30	-20.0	.490	27.00
25366	-1.00	.93	-5.0	9.20	-20.0	.510	45.00
25367	-1.00	1.00	-5.0	8.60	-20.0	.560	44.00
25368	-1.00	-.50	-5.0	6.80	-20.0	.270	12.00
25369	-1.00	.52	-5.0	7.80	-20.0	.320	22.00
25370	-1.00	.55	-5.0	7.10	-20.0	.460	16.00
25371	-1.00	.88	5.0	7.80	-20.0	.550	42.00

25372	-1.00	-.50	-5.0	7.10	-20.0	.310	26.00
25373	-1.00	-.50	-5.0	6.40	-20.0	.700	18.00
25374	-1.00	1.10	-5.0	7.90	-20.0	.590	47.00
25375	-1.00	.74	-5.0	7.10	-20.0	.450	27.00
25376	-1.00	.92	-5.0	5.70	-20.0	.470	50.00
25377	-1.00	-.50	-5.0	6.40	-20.0	.290	15.00
25378	-1.00	1.20	19.0	5.70	-20.0	1.000	36.00
25379	-1.00	.65	-5.0	7.40	-20.0	.440	20.00
25380	22.00	1.00	52.0	8.20	-20.0	4.000	35.00
25381	-1.00	-.50	-5.0	4.90	-20.0	.400	14.00
25382	19.00	4.70	-5.0	9.10	-20.0	5.510	60.20
25383	11.00	3.80	-5.0	12.00	-20.0	5.460	80.90
25384	30.00	4.80	-5.0	11.00	-20.0	6.640	69.70
25385	4.30	.57	-5.0	4.80	-20.0	.880	15.00
25386	36.00	3.40	-5.0	10.00	-20.0	6.830	60.20
25387	7.30	1.10	-5.0	6.20	-20.0	22.700	35.00
25388	75.00	4.80	-5.0	11.00	-20.0	7.160	70.70
25389	58.00	6.60	-5.0	12.00	-20.0	8.400	96.70
25390	95.00	6.40	-5.0	13.00	-20.0	3.700	108.00
25391	80.00	3.20	-5.0	11.00	-20.0	5.490	70.10
25392	107.00	3.20	-5.0	6.50	-20.0	4.700	109.00
25393	85.00	.89	-5.0	3.60	-20.0	19.000	23.00
25394	61.00	1.30	19.0	7.00	-20.0	15.300	54.40
25395	1.50	1.10	-5.0	8.70	-20.0	.780	43.00
25396	2.20	.85	-5.0	8.70	-20.0	5.500	22.00
25397	31.00	1.90	-5.0	7.40	-20.0	1.800	51.50
25398	52.00	2.30	-5.0	8.00	-20.0	7.560	40.00
25399	5.30	1.30	-5.0	5.70	-20.0	1.500	54.40
25400	15.00	.82	260.0	2.40	-20.0	4.800	15.00
25402	17.00	2.00	-5.0	5.60	-20.0	5.820	43.00
25404	13.00	1.60	-5.0	6.80	-20.0	3.800	47.00
25405	12.00	1.10	-5.0	6.10	-20.0	4.400	48.00
25406	15.00	.76	-5.0	4.90	-20.0	2.800	38.00
25407	51.00	1.60	-5.0	5.20	-20.0	6.170	38.00
25408	18.00	2.10	-5.0	7.60	-20.0	14.500	19.00
25409	-1.00	-.50	-5.0	5.70	-20.0	8.890	29.00
25410	40.00	.58	-5.0	8.40	-20.0	16.000	10.00
25411	3.00	.58	-5.0	11.00	-20.0	4.100	42.00
25412	5.00	1.20	-5.0	8.30	-20.0	10.600	27.00
25413	1.40	1.00	73.0	5.10	-20.0	1.100	22.00
25414	3.70	3.80	-5.0	6.60	-20.0	11.000	42.00
25415	157.00	2.60	8.3	6.20	-20.0	9.550	45.00
25416	78.00	3.40	-5.0	7.00	-20.0	6.330	42.00
25417	181.00	4.40	-5.0	9.30	-20.0	4.800	52.40
25418	50.00	2.00	-5.0	10.00	-20.0	.840	27.00
25419	36.00	7.80	-5.0	8.90	-20.0	1.100	93.50
25420	16.00	.79	250.0	2.40	-20.0	4.400	14.00
25421	6.80	1.80	-5.0	4.00	-20.0	20.100	21.00
25422	102.00	5.60	-5.0	2.60	-20.0	1.500	42.00
25423	140.00	16.00	-5.0	8.60	-20.0	1.100	161.00
25424	4.10	4.90	-5.0	7.70	-20.0	1.700	80.60
25425	31.00	2.10	-5.0	6.60	-20.0	2.500	40.00
25426	1.40	2.30	-5.0	8.00	-20.0	.770	48.00
25427	1.80	5.00	10.0	7.60	-20.0	.600	58.80
25428	-1.00	2.10	12.0	8.30	-20.0	.550	50.60
25429	-1.00	.69	-5.0	5.50	-20.0	.390	37.00
25430	-1.00	1.30	-5.0	8.30	-20.0	.350	51.00
25431	258.00	.88	38.0	-1.00	-20.0	22.100	25.00
25432	-1.00	10.00	8.5	4.70	-20.0	8.820	44.00
25433	-1.00	3.30	-5.0	4.90	-20.0	6.250	50.00
25434	1.20	1.20	6.4	5.10	-20.0	.750	45.00
25435	-1.00	1.60	10.0	5.80	-20.0	.650	51.60
25436	-1.00	1.80	6.2	5.80	-20.0	.560	35.00
25437	-1.00	-.50	-5.0	2.90	-20.0	.370	12.00
25438	3.20	.94	96.0	-1.00	-20.0	28.600	4.60
25439	-1.00	-.50	-5.0	-1.00	-20.0	.680	3.10

25440	16.00	.65	220.0	2.40	-20.0	4.400	14.00
25441	-1.00	-.50	-5.0	1.20	-20.0	1.200	11.00
25442	17.00	1.40	-5.0	3.40	-20.0	2.800	32.00
25443	1.70	-.50	-5.0	5.80	-20.0	2.500	20.00
25444	4.30	1.40	-5.0	7.00	-20.0	2.600	43.00
25445	-1.00	.59	-5.0	4.90	-20.0	5.530	20.00
25446	-1.00	1.30	-5.0	6.70	-20.0	.660	50.50
25447	-1.00	1.00	6.4	7.20	-20.0	.550	30.00
25448	-1.00	.80	-5.0	8.40	-20.0	.440	26.00
25449	-1.00	-.50	-5.0	7.50	-20.0	.330	14.00
25450	-1.00	1.00	-5.0	6.10	-20.0	.950	36.00
25451	-1.00	.53	-5.0	7.30	-20.0	.420	19.00
25452	-1.00	-.50	-5.0	7.50	-20.0	.470	15.00
25453	-1.00	.84	-5.0	6.20	-20.0	.640	38.00
25454	-1.00	1.30	-5.0	6.80	-20.0	.760	54.60
25455	-1.00	1.00	17.0	5.90	-20.0	.660	47.00
25456	-1.00	-.50	-5.0	11.00	-20.0	.230	7.50
25457	-1.00	-.50	-5.0	11.00	-20.0	.240	5.30
25458	-1.00	-.50	-5.0	10.00	-20.0	.230	8.80
25459	1.10	1.80	-5.0	8.60	-20.0	.480	47.00
25460	15.00	.95	240.0	2.50	-20.0	4.400	14.00
25461	17.00	1.10	-5.0	11.00	-20.0	2.300	42.00
25462	-1.00	-.50	-5.0	7.10	-20.0	.350	10.00
25463	-1.00	-.50	-5.0	6.00	-20.0	.380	8.20
25464	1.60	.51	-5.0	7.00	-20.0	.390	20.00
25465	-1.00	-.50	-5.0	6.90	-20.0	.320	5.50
25466	1.20	.57	-5.0	10.00	-20.0	1.500	25.00
25467	-1.00	-.50	-5.0	5.50	-20.0	.350	4.70
25468	-1.00	-.50	-5.0	6.10	-20.0	.200	17.00
25469	-1.00	1.20	-5.0	7.00	-20.0	1.100	47.00
25470	-1.00	1.10	5.8	5.70	-20.0	1.000	33.00
25471	-1.00	.52	-5.0	7.40	-20.0	.450	21.00
25472	-1.00	.59	-5.0	10.00	-20.0	.430	27.00
25473	-1.00	1.40	-5.0	7.60	-20.0	.640	45.00
25474	1.60	.72	-5.0	3.80	-20.0	.540	16.00
25475	27.00	3.50	-5.0	8.70	-20.0	4.100	69.40
25476	30.00	4.80	-5.0	10.00	-20.0	6.050	75.70
25477	25.00	4.60	-5.0	14.00	-20.0	6.290	107.00
25478	1.70	-.50	-5.0	4.30	-20.0	.720	16.00
25479	-1.00	-.50	-5.0	9.10	-20.0	.350	22.00
25480	21.00	.63	71.0	8.10	-20.0	3.900	35.00
25481	-1.00	.54	-5.0	8.00	-20.0	.410	28.00
25482	-1.00	-.50	-5.0	5.40	-20.0	.240	16.00
25483	-1.00	-.50	-5.0	5.70	-20.0	.300	29.00
25484	-1.00	-.50	-5.0	5.20	-20.0	.380	17.00
25485	-1.00	-.50	-5.0	4.00	-20.0	.260	8.00
25486	13.00	1.40	-5.0	8.40	-20.0	4.100	60.10
25487	10.00	1.10	-5.0	-1.00	-20.0	34.300	2.80
25488	11.00	-.50	-5.0	-1.00	-20.0	14.900	1.60
25489	24.00	1.20	-5.0	7.20	-20.0	2.200	51.70
25490	17.00	.67	-5.0	2.50	-20.0	3.900	21.00
25491	28.00	1.20	-5.0	3.60	-20.0	3.600	43.00
25492	27.00	1.20	-5.0	6.30	-20.0	1.700	43.00
25493	16.00	2.20	-5.0	4.90	-20.0	3.200	57.40
25494	4.30	1.00	-5.0	5.20	-20.0	2.500	32.00
25495	5.10	2.10	-5.0	8.20	-20.0	.550	42.00
25496	97.00	4.90	-5.0	6.30	-20.0	6.520	56.60
25497	43.00	.60	-5.0	-1.00	-20.0	43.600	4.60
25498	50.00	2.80	-5.0	5.60	-20.0	8.170	28.00
25499	36.00	2.20	-5.0	6.20	-20.0	10.300	35.00
25500	21.00	.86	57.0	8.40	-20.0	4.100	35.00
25501	24.00	1.00	-5.0	4.60	-20.0	5.120	25.00
25502	35.00	2.20	-5.0	6.20	-20.0	14.800	26.00
25503	74.00	3.00	-5.0	6.30	-20.0	7.960	46.00
25504	94.00	2.00	-5.0	7.50	-20.0	7.960	33.00
25505	397.00	3.50	-5.0	8.30	-20.0	11.700	49.00

25506	6.40	1.90	-5.0	9.20	-20.0	16.100	22.00
25507	3.80	6.60	-5.0	8.00	-20.0	2.200	109.00
25508	4.80	4.20	-5.0	9.30	-20.0	1.300	31.00
25509	4.60	4.00	11.0	11.00	-20.0	1.100	88.50
25510	2.50	3.10	-5.0	15.00	-20.0	1.100	50.80
25511	1.80	1.60	-5.0	8.80	-20.0	.860	34.00
25512	1.10	2.30	-5.0	9.10	-20.0	.800	67.30
25513	1.60	2.50	-5.0	8.40	-20.0	1.500	47.00
25514	3.60	4.10	-5.0	12.00	-20.0	.850	84.70
25515	1.20	-.50	-5.0	4.40	-20.0	1.300	2.70
25516	-1.00	.69	5.7	2.40	-20.0	1.400	13.00
25517	-1.00	-.50	6.9	1.90	-20.0	1.900	.90
25518	-1.00	-.50	7.8	-1.00	-20.0	1.300	1.60
25519	-1.00	-.50	-5.0	-1.00	-20.0	.270	.51
25520	24.00	1.40	76.0	9.40	-20.0	4.600	40.00
25521	-1.00	-.50	-5.0	-1.00	-20.0	.180	-.50
25522	-1.00	.55	18.0	3.60	-20.0	.930	8.70
25523	1.80	1.90	12.0	5.40	-20.0	6.270	57.40
25524	-1.00	-.50	30.0	2.50	-20.0	1.500	3.50
25525	30.00	.52	9.2	3.30	-20.0	13.700	18.00
25526	-1.00	1.40	11.0	5.80	-20.0	.640	56.40
25527	-1.00	1.10	-5.0	10.00	-20.0	.640	45.00
25528	-1.00	1.10	-5.0	11.00	-20.0	.660	40.00
25529	-1.00	1.10	-5.0	7.30	-20.0	2.400	50.30
25530	-1.00	.57	-5.0	5.90	-20.0	.390	24.00
25531	-1.00	.92	-5.0	7.60	-20.0	.480	30.00
25532	-1.00	.86	-5.0	7.00	-20.0	.480	33.00
25533	-1.00	1.10	-5.0	7.80	-20.0	.610	37.00
25534	-1.00	.59	-5.0	7.10	-20.0	.320	22.00
25535	-1.00	-.50	-5.0	1.20	-20.0	.550	3.60
25536	-1.00	1.10	-5.0	5.10	-20.0	.500	40.00
25537	29.00	.92	-5.0	5.60	-20.0	2.300	42.00
25538	7.00	.89	-5.0	6.10	-20.0	4.300	33.00
25539	-1.00	-.50	-5.0	4.00	-20.0	.720	6.50
25540	16.00	.76	370.0	2.50	-20.0	4.500	14.00
25541	27.00	-.50	-5.0	2.60	-20.0	29.300	10.00
25565	-1.00	.79	-5.0	7.50	-20.0	.800	41.00
25566	-1.00	-.50	-5.0	3.70	-20.0	.330	12.00
25567	-1.00	-.50	-5.0	3.40	-20.0	.670	11.00
25568	1.10	.67	-5.0	7.10	-20.0	.440	34.00
25569	-1.00	.50	-5.0	4.20	-20.0	.420	18.00
25570	-1.00	.68	-5.0	4.90	-20.0	.500	35.00
25571	-1.00	.62	-5.0	7.50	-20.0	.460	30.00
25572	-1.00	.56	-5.0	2.90	-20.0	.750	22.00
25573	-1.00	-.50	-5.0	3.80	-20.0	.600	14.00
25574	-1.00	-.50	-5.0	3.90	-20.0	.600	19.00
25575	-1.00	-.50	-5.0	7.40	-20.0	.520	12.00
25576	-1.00	.67	-5.0	10.00	-20.0	.430	27.00
25577	1.60	1.10	-5.0	10.00	-20.0	.720	55.70
25578	7.20	2.00	-5.0	13.00	-20.0	3.200	95.20
25579	3.30	.63	-5.0	10.00	-20.0	4.100	21.00
25580	16.00	1.00	210.0	2.80	-20.0	4.800	15.00
25581	8.00	1.30	-5.0	6.50	-20.0	2.900	46.00
25582	-1.00	-.50	-5.0	1.60	-20.0	45.300	3.00
25583	-1.00	.70	-5.0	7.20	-20.0	.830	21.00
25584	3.60	1.70	-5.0	6.90	-20.0	1.000	56.30
25585	15.00	6.80	-5.0	10.00	-20.0	4.500	151.00
25586	21.00	2.00	-5.0	6.70	-20.0	4.300	48.00
25587	30.00	1.30	-5.0	6.00	-20.0	5.030	23.00
25588	3.50	.71	-5.0	8.20	-20.0	1.900	18.00
25589	2.80	-.50	-5.0	7.30	-20.0	.620	2.10
25590	2.10	1.10	-5.0	8.80	-20.0	.860	12.00
25591	1.40	4.00	-5.0	7.40	-20.0	.690	43.00
25592	2.60	1.40	-5.0	6.40	-20.0	1.200	19.00
25593	3.40	2.40	-5.0	11.00	-20.0	2.400	7.00
25594	6.50	4.10	-5.0	12.00	-20.0	3.500	20.00

25595	26.00	.86	-5.0	8.70	-20.0	10.300	5.20
25596	6.20	1.30	-5.0	7.60	-20.0	9.470	12.00
25597	37.00	.89	-5.0	4.90	-20.0	13.600	10.00
25598	-1.00	.68	-5.0	8.60	-20.0	1.800	56.70
25599	-1.00	-.50	-5.0	6.70	-20.0	.360	21.00
25600	22.00	.94	63.0	8.50	-20.0	4.200	36.00
24923R	75.00	3.50	-5.0	12.00	-20.0	9.780	89.50
[illegible]114R	-1.00	1.00	-5.0	6.30	-20.0	.650	31.00
[illegible]137R	57.00	5.30	-5.0	12.00	-20.0	10.800	95.60
25154R	32.00	1.70	-5.0	7.50	-20.0	10.300	40.00
25172R	4.50	1.80	-5.0	10.00	-20.0	9.100	31.00
25188R	15.00	-.50	-5.0	-1.00	-20.0	44.500	2.30
25209R	6.70	3.70	-5.0	11.00	-20.0	19.000	82.10
25235R	-1.00	2.70	13.0	6.90	-20.0	2.700	52.60
25242R	7.30	1.30	-5.0	10.00	-20.0	7.050	27.00
25268R	-1.00	-.50	-5.0	2.60	-20.0	.540	2.10
25282R	-1.00	.77	-5.0	6.90	-20.0	.560	21.00
25305R	7.40	-.50	-5.0	-1.00	-20.0	1.600	4.40
25333R	-1.00	1.40	-5.0	8.50	-20.0	.580	54.00
25350R	210.00	3.60	-5.0	11.00	-20.0	3.300	61.80
25364R	-1.00	-.50	-5.0	6.90	-20.0	.390	8.20
25397R	32.00	1.70	-5.0	6.60	-20.0	1.900	53.00
25423R	144.00	16.00	-5.0	9.10	-20.0	1.200	164.00
25433R	1.80	3.60	8.7	4.80	-20.0	6.510	53.30
25482R	-1.00	-.50	-5.0	6.00	-20.0	.370	16.00
25494R	5.00	1.30	-5.0	5.50	-20.0	2.800	36.00
25519R	-1.00	-.50	-5.0	-1.00	-20.0	.220	-.50
25532R	-1.00	.69	-5.0	6.70	-20.0	.440	32.00
25571R	-1.00	.57	-5.0	7.50	-20.0	.500	32.00
25597R	38.00	1.00	-5.0	5.40	-20.0	13.900	10.00

S#	Lu	Mo	K	Rb	Sm	Sc	Se
[illegible]262	.84	-5.0	1.900	130.0	8.70	37.00	-5.0
25263	.73	-5.0	.710	70.0	9.10	43.20	-5.0
25264	.55	-5.0	1.300	88.0	6.40	40.20	-5.0
25265	.57	-5.0	2.700	200.0	8.90	24.70	-5.0
25266	.70	-5.0	.740	59.0	6.40	38.10	-5.0
25267	.64	-5.0	1.800	130.0	4.30	28.10	-5.0
25268	-.20	-5.0	-.200	-20.0	.48	.77	-5.0
25269	.61	-5.0	2.800	120.0	6.90	9.10	-5.0
25270	.66	-5.0	3.700	210.0	10.00	13.80	-5.0
25271	-.20	-5.0	1.100	46.0	1.60	3.60	-5.0
25272	.58	-5.0	-.200	-20.0	5.70	8.70	-5.0
25273	.59	-5.0	2.600	120.0	7.00	9.10	-5.0
25274	-.20	-5.0	-.200	-20.0	.62	.87	-5.0
25275	-.20	-5.0	-.200	-20.0	.68	.92	-5.0
25276	.21	-5.0	-.200	-20.0	.89	1.30	-5.0
25277	.52	-5.0	2.500	90.0	5.00	12.80	-5.0
25278	.27	-5.0	.480	-20.0	2.50	7.50	-5.0
25279	-.20	-12.0	-.200	25.0	8.70	86.00	-5.0
25280	.35	-5.0	1.800	43.0	4.20	13.00	-5.0
25281	.48	-5.0	.760	47.0	4.10	4.00	-5.0
25282	.48	-5.0	1.400	71.0	4.50	5.40	-5.0
25283	.38	-5.0	.900	51.0	3.50	3.90	-5.0
25284	.38	-5.0	.850	37.0	3.10	3.20	-5.0
25285	.44	-5.0	1.700	88.0	2.50	6.30	-5.0
25286	.70	-5.0	2.700	140.0	5.80	10.00	-5.0
[illegible]287	.77	-5.0	4.200	220.0	6.00	16.50	-5.0
25288	.33	-5.0	.490	26.0	1.40	2.90	-5.0
25289	.63	-5.0	2.100	130.0	1.90	8.30	-5.0
25290	.63	-5.0	3.300	180.0	6.50	12.30	-5.0
25291	.54	-5.0	2.800	140.0	5.40	11.50	-5.0
25292	.60	-5.0	2.400	190.0	6.60	6.20	-5.0
25293	-.20	-5.0	.300	20.0	1.20	1.40	-5.0
25294	.67	-5.0	1.900	96.0	5.00	8.00	-5.0

25295	.47	-5.0	2.700	120.0	5.80	9.40	-5.0
25296	.58	-5.0	2.800	140.0	5.60	11.20	-5.0
25297	.54	-5.0	2.600	150.0	6.40	11.10	-5.0
25298	.69	-5.0	4.000	180.0	7.70	14.00	-5.0
25299	.65	-5.0	3.100	160.0	7.40	11.90	-5.0
25300	.44	-5.0	1.900	200.0	7.20	11.40	-5.0
25301	.39	-5.0	2.200	120.0	4.70	7.40	-5.0
25302	-.20	-5.0	-.200	-20.0	1.80	.90	-5.0
25303	.61	-5.0	3.400	180.0	8.70	13.50	-5.0
25304	.62	-5.0	3.600	180.0	7.80	13.90	-5.0
25305	-.20	-5.0	-.200	-20.0	1.70	.74	-5.0
25306	.73	-5.0	3.700	190.0	9.30	13.50	-5.0
25307	.82	-5.0	-.200	-20.0	6.80	34.50	-5.0
25308	1.10	-5.0	.350	35.0	23.80	63.00	-5.0
25309	1.00	-5.0	.210	53.0	22.80	37.50	-5.0
25310	.72	-5.0	1.400	140.0	7.40	38.00	-5.0
25311	.47	-5.0	.500	36.0	4.70	55.50	-5.0
25312	.70	-5.0	.730	49.0	12.00	39.60	-5.0
25313	.74	-5.0	1.500	59.0	11.00	38.20	-5.0
25314	.76	-5.0	2.100	160.0	11.00	38.40	-5.0
25315	.71	-5.0	-.200	-20.0	15.00	43.20	-5.0
25316	.79	-5.0	1.000	85.0	22.40	34.40	-5.0
25317	.71	-5.0	1.900	120.0	13.00	26.40	-5.0
25318	.69	-5.0	1.400	77.0	7.70	65.90	-5.0
25319	1.00	-5.0	1.000	52.0	53.90	53.10	-5.0
25320	.33	-5.0	2.100	37.0	4.20	13.10	-5.0
25321	1.60	-5.0	2.400	140.0	16.00	25.30	-5.0
25322	.75	-5.0	1.000	72.0	17.00	41.30	-5.0
25323	.92	-5.0	1.900	200.0	20.20	41.80	-5.0
25324	.72	-5.0	.930	140.0	18.00	37.90	-5.0
25325	.81	-5.0	.660	55.0	19.00	49.50	-5.0
25326	.70	-5.0	.780	46.0	19.00	41.10	-5.0
25327	.64	-5.0	2.700	300.0	3.40	33.50	-5.0
25328	.91	-5.0	.830	89.0	17.00	30.20	-5.0
25329	.55	-5.0	2.300	200.0	7.90	26.10	-5.0
25330	.31	-5.0	1.800	180.0	6.90	40.20	-5.0
25331	.56	-5.0	2.500	140.0	5.20	8.60	-5.0
25332	.29	-5.0	1.200	77.0	2.70	4.10	-5.0
25333	.69	-5.0	3.500	210.0	10.00	12.80	-5.0
25334	.59	-5.0	3.200	190.0	6.50	12.00	-5.0
25335	.57	-5.0	1.400	97.0	6.70	5.60	-5.0
25336	.78	-5.0	3.900	370.0	10.00	26.70	-5.0
25337	.50	-5.0	2.300	170.0	6.50	22.30	-5.0
25338	.45	-5.0	1.900	140.0	8.30	29.20	-5.0
25339	.66	-5.0	1.800	130.0	11.00	35.20	-5.0
25340	.35	-5.0	2.100	35.0	4.30	13.50	-5.0
25341	1.00	-5.0	2.700	250.0	7.40	39.40	-5.0
25342	.49	-5.0	.700	46.0	6.30	16.80	-5.0
25343	.31	-5.0	1.400	100.0	1.90	39.70	-5.0
25344	.60	-5.0	2.000	130.0	5.60	8.60	-5.0
25345	.65	-5.0	.400	47.0	18.00	33.90	-5.0
25346	.73	-5.0	1.500	140.0	35.10	27.60	-5.0
25347	.60	-5.0	2.800	160.0	7.80	12.60	-5.0
25348	.64	-5.0	1.800	87.0	5.60	7.30	-5.0
25349	.62	-5.0	1.800	130.0	17.00	29.30	-5.0
25350	.50	-5.0	2.400	200.0	14.00	26.50	-5.0
25351	.29	-5.0	1.400	130.0	12.00	19.60	-5.0
25352	.55	-5.0	.420	42.0	18.00	31.90	-5.0
25353	.41	-5.0	1.300	91.0	11.00	24.60	-5.0
25354	.50	-5.0	-.200	-20.0	12.00	19.90	-5.0
25355	.32	-5.0	.370	-20.0	2.40	2.20	-5.0
25356	.26	-5.0	-.200	-20.0	1.70	1.20	-5.0
25357	.26	-5.0	-.200	-20.0	1.80	1.30	-5.0
25358	.25	-5.0	.240	-20.0	1.80	2.00	-5.0
25359	1.00	-5.0	-.200	-20.0	23.50	47.50	-5.0
25360	.34	-5.0	1.700	62.0	4.10	12.70	-5.0

25361	.80	-5.0	4.200	210.0	8.80	15.40	-5.0
25362	.83	-5.0	3.800	200.0	8.70	14.60	-5.0
25363	.83	-5.0	2.600	150.0	7.60	11.10	-5.0
25364	.28	-5.0	-.200	-20.0	1.50	1.20	-5.0
25365	.80	-5.0	2.900	170.0	4.90	11.20	-5.0
25366	.75	-5.0	3.600	200.0	8.00	12.60	-5.0
25367	.82	-5.0	3.500	190.0	7.20	13.20	-5.0
25368	.37	-5.0	.480	30.0	2.30	2.60	-5.0
25369	.46	-5.0	.810	48.0	4.30	3.50	-5.0
25370	.53	-5.0	2.000	110.0	2.50	7.90	-5.0
25371	.71	-5.0	3.500	200.0	6.50	13.10	-5.0
25372	.43	-5.0	1.200	66.0	3.80	4.20	-5.0
25373	.29	-5.0	.420	34.0	3.00	2.30	-5.0
25374	.71	-5.0	3.600	200.0	8.40	14.10	-5.0
25375	.45	-5.0	1.300	77.0	4.80	5.70	-5.0
25376	.64	-5.0	3.300	200.0	7.10	13.80	-5.0
25377	.33	-5.0	.410	21.0	2.70	2.50	-5.0
25378	.59	-5.0	2.500	180.0	6.50	9.50	-5.0
25379	.52	-5.0	1.200	60.0	3.70	4.80	-5.0
25380	.42	-5.0	1.400	200.0	7.20	11.20	-5.0
25381	.31	-5.0	.380	24.0	2.70	2.30	-5.0
25382	.50	-5.0	.570	49.0	17.00	26.60	-5.0
25383	.59	-5.0	.300	-20.0	16.00	22.70	-5.0
25384	.51	-5.0	-.200	-20.0	17.00	29.30	-5.0
25385	.26	-5.0	.350	24.0	2.90	3.50	-5.0
25386	.41	-5.0	2.400	190.0	13.00	22.70	-5.0
25387	.22	-5.0	.210	45.0	5.20	7.40	-5.0
25388	.52	-5.0	1.300	90.0	17.00	24.80	-5.0
25389	.64	-5.0	-.200	46.0	21.70	28.90	-5.0
25390	.74	-5.0	-.200	35.0	22.90	31.30	-5.0
25391	.45	-5.0	1.400	68.0	14.00	25.20	-5.0
25392	.38	-5.0	2.300	130.0	12.00	32.00	-5.0
25393	.38	-5.0	1.100	92.0	5.00	13.80	-5.0
25394	.61	-5.0	2.100	130.0	10.00	18.10	-5.0
25395	.79	-5.0	3.600	210.0	7.60	13.10	-5.0
25396	.58	-5.0	1.100	84.0	4.40	19.90	-5.0
25397	.69	-5.0	2.900	180.0	10.00	14.30	-5.0
25398	.74	-5.0	.790	89.0	12.00	29.90	-5.0
25399	.65	-5.0	2.700	180.0	9.00	17.40	-5.0
25400	.38	-5.0	2.100	38.0	4.50	13.80	-5.0
25402	.82	-5.0	1.600	170.0	9.00	16.70	-5.0
25404	.73	-5.0	3.000	220.0	8.70	13.40	-5.0
25405	.66	-5.0	2.200	120.0	8.90	14.90	-5.0
25406	.53	-5.0	2.400	140.0	6.00	11.50	-5.0
25407	.59	-5.0	2.100	140.0	8.90	26.50	-5.0
25408	.55	-5.0	.450	35.0	7.70	80.40	-5.0
25409	.43	-5.0	1.600	120.0	4.40	22.10	-5.0
25410	.60	-5.0	-.200	-20.0	2.80	46.50	-5.0
25411	.66	-5.0	.290	-20.0	3.60	41.90	-5.0
25412	.62	-5.0	.410	53.0	5.90	58.30	-5.0
25413	.38	-5.0	1.000	130.0	4.30	14.60	-5.0
25414	1.30	-5.0	1.300	97.0	17.00	63.40	-5.0
25415	.56	-5.0	.370	44.0	12.00	27.50	-5.0
25416	.84	-5.0	1.400	77.0	13.00	29.00	-5.0
25417	1.00	-5.0	1.200	52.0	17.00	40.60	-5.0
25418	.83	-5.0	.780	61.0	7.80	38.70	-5.0
25419	1.20	-5.0	.670	60.0	30.60	32.90	-5.0
25420	.35	-5.0	1.600	48.0	4.20	12.70	-5.0
25421	.40	-5.0	-.200	50.0	7.20	10.50	-5.0
25422	.82	-5.0	.450	44.0	24.80	55.90	-5.0
25423	2.30	-5.0	-.200	21.0	64.70	38.00	-5.0
25424	.75	-5.0	1.000	130.0	18.00	29.40	-5.0
25425	.57	-5.0	1.100	85.0	10.00	28.30	-5.0
25426	.58	-5.0	.830	66.0	10.00	19.10	-5.0
25427	.78	-5.0	1.200	100.0	21.40	35.50	-5.0
25428	.59	-5.0	1.800	140.0	9.40	27.80	-5.0

25429	.54	-5.0	.460	39.0	6.20	4.80	-5.0
25430	.48	-5.0	1.500	100.0	8.60	8.60	-5.0
25431	-.20	-5.0	-.200	-20.0	3.40	16.80	-5.0
25432	1.00	-5.0	1.900	140.0	39.20	20.80	-5.0
25433	.80	-5.0	2.800	180.0	15.00	16.00	-5.0
25434	.69	-5.0	3.100	190.0	9.10	15.30	-5.0
25435	.68	-5.0	3.200	180.0	10.00	16.50	-5.0
25436	.57	-5.0	2.100	130.0	10.00	14.50	-5.0
25437	.22	-5.0	.620	41.0	2.50	3.20	-5.0
25438	.28	-5.0	-.200	-20.0	2.00	7.50	-5.0
25439	-.20	-5.0	-.200	-20.0	.54	.48	-5.0
25440	.37	-5.0	1.600	42.0	4.30	12.70	-5.0
25441	-.20	-5.0	-.200	-20.0	1.80	.88	-5.0
25442	.45	-5.0	-.200	-20.0	6.40	8.60	-5.0
25443	.33	-5.0	.760	52.0	3.30	4.40	-5.0
25444	.75	-5.0	3.100	180.0	9.50	14.40	-5.0
25445	.51	-5.0	3.000	200.0	4.00	14.60	-5.0
25446	.67	-5.0	3.200	210.0	7.90	14.90	-5.0
25447	.55	-5.0	2.900	200.0	5.70	12.90	-5.0
25448	.61	-5.0	2.500	170.0	5.20	10.90	-5.0
25449	.44	-5.0	1.000	68.0	2.80	4.70	-5.0
25450	.61	-5.0	3.300	210.0	6.20	14.80	-5.0
25451	.51	-5.0	1.300	82.0	3.40	5.90	-5.0
25452	.49	-5.0	1.500	84.0	2.50	6.90	-5.0
25453	.59	-5.0	2.800	180.0	6.20	13.20	-5.0
25454	.68	-5.0	3.200	230.0	9.50	15.60	-5.0
25455	.51	-5.0	2.900	220.0	7.80	12.70	-5.0
25456	.36	-5.0	.280	-20.0	1.60	2.00	-5.0
25457	.36	-5.0	-.200	-20.0	1.20	1.70	-5.0
25458	.28	-5.0	-.200	-20.0	1.60	1.10	-5.0
25459	.74	-5.0	2.700	160.0	11.00	12.20	-5.0
25460	.33	-5.0	1.400	38.0	4.20	12.80	-5.0
25461	.77	-5.0	1.700	120.0	8.40	9.30	-5.0
25462	.22	-5.0	-.200	-20.0	1.90	.83	-5.0
25463	.21	-5.0	-.200	-20.0	1.50	.80	-5.0
25464	.35	-5.0	.490	35.0	3.70	2.80	-5.0
25465	.33	-5.0	.220	21.0	1.20	2.10	-5.0
25466	.46	-5.0	.760	48.0	4.40	3.90	-5.0
25467	.24	-5.0	-.200	-20.0	.90	1.10	-5.0
25468	.29	-5.0	-.200	-20.0	2.90	1.50	-5.0
25469	.79	-5.0	3.900	260.0	7.60	16.10	-5.0
25470	.56	-5.0	2.700	180.0	6.20	9.10	-5.0
25471	.52	-5.0	1.500	120.0	3.20	7.20	-5.0
25472	.64	-5.0	1.600	99.0	3.90	6.90	-5.0
25473	.78	-5.0	2.500	150.0	13.00	10.50	-5.0
25474	.21	-5.0	.210	-20.0	2.90	5.10	-5.0
25475	.42	-5.0	.750	53.0	12.00	21.50	-5.0
25476	.52	-5.0	1.300	130.0	17.00	28.20	-5.0
25477	.78	-5.0	-.200	31.0	17.00	37.00	-5.0
25478	-.20	-5.0	-.200	-20.0	1.90	2.30	-5.0
25479	.47	-5.0	.710	45.0	2.20	4.50	-5.0
25480	.41	-5.0	1.500	200.0	7.00	11.00	-5.0
25481	.57	-5.0	1.900	130.0	3.10	8.10	-5.0
25482	.23	-5.0	.330	21.0	2.00	1.40	-5.0
25483	.34	-5.0	.660	51.0	4.20	3.00	-5.0
25484	.28	-5.0	.510	38.0	2.30	2.70	-5.0
25485	-.20	-5.0	-.200	-20.0	1.20	.34	-5.0
25486	.81	-5.0	3.200	190.0	11.00	16.30	-5.0
25487	-.20	-5.0	-.200	26.0	1.50	1.00	-5.0
25488	-.20	-5.0	-.200	-20.0	.79	1.50	-5.0
25489	.66	-5.0	2.900	170.0	9.30	12.80	-5.0
25490	.29	-5.0	-.200	-20.0	3.40	4.30	-5.0
25491	.39	-5.0	1.700	96.0	8.10	12.80	-5.0
25492	.62	-5.0	2.500	140.0	7.30	12.80	-5.0
25493	.66	-5.0	2.100	160.0	12.00	21.90	-5.0
25494	.48	-5.0	2.400	150.0	5.70	12.10	-5.0

25495	.55	-5.0	.650	37.0	8.30	78.50	-5.0
25496	.66	-5.0	.480	25.0	18.00	35.30	-5.0
25497	-.20	-5.0	.240	22.0	1.90	6.00	-5.0
25498	.55	-5.0	.540	78.0	8.90	35.60	-5.0
25499	.58	-5.0	.360	36.0	9.30	33.80	-5.0
25500	.42	-5.0	1.400	190.0	7.20	11.40	-5.0
25501	.30	-5.0	.880	53.0	5.20	16.00	-5.0
[illegible]502	.51	-5.0	2.200	44.0	8.40	27.90	-5.0
25503	.51	-5.0	1.300	100.0	12.00	26.30	-5.0
25504	.46	-5.0	1.300	140.0	8.00	40.20	-5.0
25505	.84	-5.0	.570	77.0	13.00	42.70	-5.0
25506	.65	-5.0	1.500	170.0	7.30	33.50	-5.0
25507	1.30	-5.0	2.000	200.0	26.80	36.70	-5.0
25508	.78	-5.0	.570	34.0	14.00	55.40	-5.0
25509	1.00	-5.0	.750	41.0	18.00	69.40	-5.0
25510	.95	-5.0	.300	-20.0	15.00	71.70	-5.0
25511	.65	-5.0	.440	33.0	7.70	33.70	-5.0
25512	.71	-5.0	1.500	84.0	12.00	25.90	-5.0
25513	.73	-5.0	1.800	100.0	12.00	32.80	-5.0
25514	1.10	-5.0	1.500	79.0	18.00	53.00	-5.0
25515	-.20	-5.0	-.200	-20.0	.72	1.60	-5.0
25516	-.20	-5.0	-.200	-20.0	2.40	2.10	6.5
25517	-.20	-5.0	-.200	-20.0	.25	.64	-5.0
25518	-.20	-5.0	-.200	-20.0	.32	.71	-5.0
25519	-.20	-5.0	-.200	-20.0	-.20	.22	-5.0
25520	.44	-11.0	2.000	220.0	8.10	12.70	-5.0
25521	-.20	-5.0	-.200	-20.0	-.20	.23	-5.0
25522	-.20	-5.0	-.200	-20.0	1.70	1.90	5.4
25523	.79	-13.0	3.400	210.0	11.00	23.40	11.0
25524	-.20	-5.0	-.200	-20.0	.47	1.20	-5.0
25525	.20	-5.0	-.200	37.0	1.90	5.30	-5.0
25526	.78	-5.0	4.700	250.0	10.00	17.30	-5.0
[illegible]527	.82	-5.0	3.000	170.0	8.70	11.70	-5.0
25528	.83	-5.0	2.700	150.0	7.70	11.20	-5.0
25529	.65	-5.0	4.000	200.0	8.00	15.70	-5.0
25530	.42	-5.0	1.900	130.0	4.30	7.20	-5.0
25531	.60	-5.0	2.500	140.0	5.70	10.10	-5.0
25532	.53	-5.0	1.900	100.0	6.10	8.30	-5.0
25533	.65	-5.0	2.400	130.0	6.20	10.50	-5.0
25534	.36	-5.0	1.000	52.0	3.40	4.20	-5.0
25535	-.20	-5.0	.230	-20.0	.72	1.10	-5.0
25536	.60	-5.0	4.800	240.0	7.10	16.40	-5.0
25537	.50	-5.0	1.700	98.0	7.20	13.50	-5.0
25538	.52	-5.0	1.200	120.0	6.00	11.00	-5.0
25539	.47	-5.0	5.600	160.0	1.40	10.40	-5.0
25540	.36	-5.0	1.500	43.0	4.20	12.60	-5.0
25541	.24	-5.0	.430	96.0	2.60	3.70	-5.0
25565	.71	-5.0	3.100	210.0	6.10	12.70	-5.0
25566	-.20	-5.0	.210	-20.0	1.70	2.30	-5.0
25567	-.20	-5.0	-.200	-20.0	1.40	.55	-5.0
25568	.46	-5.0	1.600	92.0	5.60	6.30	-5.0
25569	.20	-5.0	.210	-20.0	2.30	1.30	-5.0
25570	.26	-5.0	.670	36.0	5.50	2.00	-5.0
25571	.33	-5.0	.510	-20.0	4.70	1.80	-5.0
25572	-.20	-5.0	.460	31.0	3.70	1.40	-5.0
25573	-.20	-5.0	-.200	-20.0	1.90	.62	-5.0
25574	.24	-5.0	.620	27.0	2.80	2.00	-5.0
[illegible]575	.39	-5.0	.600	33.0	2.10	2.80	-5.0
[illegible]576	.48	-5.0	1.000	55.0	4.40	3.90	-5.0
25577	.86	-5.0	3.800	200.0	7.40	13.30	-5.0
25578	1.20	-5.0	3.400	220.0	15.00	14.80	-5.0
25579	.68	-5.0	1.800	100.0	4.00	11.10	-5.0
25580	.36	-5.0	1.900	45.0	4.40	13.30	-5.0
25581	.70	-5.0	3.200	180.0	8.80	13.00	-5.0
25582	-.20	-5.0	-.200	100.0	.84	1.90	-5.0
25583	.67	-5.0	3.400	170.0	4.30	13.00	-5.0

25584	.75	-5.0	2.600	150.0	10.00	13.00	-5.0
25585	.85	-5.0	-.200	-20.0	28.10	32.00	-5.0
25586	.45	-5.0	-.200	-20.0	7.00	35.60	-5.0
25587	.40	-5.0	-.200	-20.0	5.20	42.50	-5.0
25588	.68	-5.0	1.800	120.0	3.60	36.50	-5.0
25589	.32	-5.0	-.200	-20.0	.76	38.60	-5.0
25590	.68	-5.0	1.900	140.0	3.30	30.80	-5.0
25591	.64	-5.0	.520	92.0	17.00	24.50	-5.0
25592	.57	-5.0	2.200	220.0	6.00	27.50	-5.0
25593	.46	-5.0	-.200	-20.0	7.70	29.90	-5.0
25594	.67	-5.0	-.200	-20.0	15.00	61.90	-5.0
25595	.31	-5.0	-.200	-20.0	2.20	33.20	-5.0
25596	.51	-5.0	.740	68.0	4.50	54.40	-5.0
25597	.48	-5.0	1.000	110.0	3.50	38.30	-5.0
25598	.64	-5.0	3.700	260.0	5.60	17.00	-5.0
25599	.30	-5.0	.830	62.0	2.00	3.10	-5.0
25600	.44	-5.0	1.600	210.0	7.30	11.50	-5.0
24923R	.55	-5.0	.500	26.0	15.00	29.90	-5.0
25114R	.60	-5.0	2.300	130.0	6.10	11.10	-5.0
25137R	.59	-5.0	-.200	33.0	19.00	33.30	-5.0
25154R	.48	-5.0	.900	78.0	8.10	27.60	-5.0
25172R	.59	-5.0	.310	37.0	7.80	33.20	-5.0
25188R	-.20	-5.0	-.200	-20.0	.57	1.40	-5.0
25209R	.40	-5.0	.400	-20.0	15.00	44.60	-5.0
25235R	.75	-5.0	2.200	140.0	12.00	35.20	-5.0
25242R	.61	-5.0	.570	77.0	6.10	24.60	-5.0
25268R	-.20	-5.0	-.200	-20.0	.48	.77	-5.0
25282R	.43	-5.0	1.500	69.0	4.30	5.20	-5.0
25305R	-.20	-5.0	-.200	-20.0	1.60	.71	-5.0
25333R	.73	-5.0	3.500	210.0	10.00	13.00	-5.0
25350R	.44	-5.0	2.100	190.0	14.00	26.40	-5.0
25364R	.29	-5.0	-.200	-20.0	1.50	1.20	-5.0
25397R	.70	-5.0	3.300	190.0	10.00	14.90	-5.0
25423R	2.20	-5.0	-.200	-20.0	57.50	39.60	-5.0
25433R	.80	-5.0	3.400	190.0	16.00	17.40	-5.0
25482R	.26	-5.0	.420	24.0	2.10	1.50	-5.0
25494R	.56	-5.0	3.100	180.0	6.50	13.50	-5.0
25519R	-.20	-5.0	-.200	-20.0	-.20	-.10	-5.0
25532R	.49	-5.0	2.000	100.0	5.90	8.00	-5.0
25571R	.31	-5.0	.750	22.0	5.00	1.90	-5.0
25597R	.42	-5.0	1.100	100.0	3.60	39.30	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
25262	-5.00	2.80	12.00	-500.0	-2.00	-2.00	4.30
25263	-5.00	3.80	9.30	-500.0	-2.00	-2.00	3.60
25264	-5.00	2.80	7.30	-500.0	-2.00	2.50	2.90
25265	-5.00	1.20	13.00	-500.0	-2.00	-2.00	2.90
25266	-5.00	2.70	13.00	-500.0	-2.00	-2.00	3.50
25267	-5.00	2.90	29.00	-500.0	-2.00	2.70	3.30
25268	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	.55
25269	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	3.10
25270	-5.00	1.30	12.00	-500.0	-2.00	4.70	3.30
25271	-5.00	-1.00	2.60	-500.0	-2.00	-2.00	1.00
25272	-5.00	1.00	14.00	-500.0	-2.00	-2.00	2.70
25273	-5.00	1.20	11.00	-500.0	-2.00	-2.00	3.00
25274	-5.00	-1.00	1.40	-500.0	-2.00	-2.00	.80
25275	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	1.00
25276	-5.00	-1.00	1.80	-500.0	-2.00	-2.00	1.00
25277	-5.00	1.40	11.00	-500.0	-2.00	3.10	2.30
25278	-5.00	1.00	5.80	-500.0	2.30	-2.00	1.30
25279	-5.00	1.00	3.60	-500.0	-2.00	6.60	-.50
25280	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.80
25281	-5.00	-1.00	6.50	-500.0	-2.00	-2.00	2.40
25282	-5.00	-1.00	6.20	-500.0	2.30	-2.00	2.40
25283	-5.00	-1.00	5.20	-500.0	-2.00	-2.00	1.90

25284	-5.00	-1.00	4.30	-500.0	-2.00	-2.00	1.90
25285	-5.00	-1.00	4.90	-500.0	-2.00	-2.00	2.20
25286	-5.00	1.10	10.00	-500.0	-2.00	-2.00	3.50
25287	-5.00	1.50	13.00	-500.0	-2.00	2.30	3.80
25288	-5.00	1.50	3.90	-500.0	2.80	-2.00	1.70
25289	-5.00	1.30	5.50	-500.0	-2.00	3.50	3.10
25290	-5.00	1.70	6.70	-500.0	4.50	2.70	3.20
25291	-5.00	1.30	9.50	-500.0	-2.00	3.40	2.80
25292	-5.00	1.40	11.00	-500.0	3.00	3.10	2.70
25293	-5.00	-1.00	1.70	-500.0	-2.00	-2.00	1.00
25294	-5.00	-1.00	5.40	-500.0	-2.00	2.20	3.60
25295	-5.00	1.00	8.30	-500.0	-2.00	-2.00	2.50
25296	-5.00	-1.00	9.40	-500.0	-2.00	-2.00	2.90
25297	-5.00	-1.00	10.00	-500.0	-2.00	-2.00	2.70
25298	-5.00	1.30	11.00	-500.0	-2.00	-2.00	3.60
25299	-5.00	1.10	13.00	-500.0	-2.00	-2.00	3.20
25300	-5.00	3.50	14.00	-500.0	5.90	3.60	2.30
25301	-5.00	-1.00	8.00	-500.0	-2.00	5.10	2.00
25302	6.20	-1.00	1.90	-500.0	2.60	-2.00	.61
25303	-5.00	1.00	13.00	-500.0	2.10	2.40	3.20
25304	-5.00	1.40	14.00	-500.0	2.10	3.00	3.00
25305	-5.00	-1.00	1.10	-500.0	-2.00	-2.00	-.50
25306	-5.00	1.70	16.00	-500.0	-2.00	3.10	3.60
25307	-5.00	3.60	14.00	-500.0	-2.00	-2.00	4.30
25308	-5.00	4.50	6.90	-500.0	-2.00	-2.00	5.90
25309	-5.00	3.90	5.60	-500.0	-2.00	-2.00	5.10
25310	-5.00	2.80	6.40	-500.0	-2.00	-2.00	4.10
25311	-5.00	2.80	6.10	-500.0	-2.00	-2.00	2.80
25312	-5.00	4.10	9.30	-500.0	-2.00	-2.00	3.70
25313	-5.00	2.00	10.00	-500.0	-2.00	-2.00	4.10
25314	-5.00	3.70	11.00	-500.0	-2.00	-2.00	4.10
25315	-5.00	3.60	10.00	-500.0	-2.00	-2.00	3.90
25316	-5.00	3.70	10.00	-500.0	-2.00	-2.00	4.20
25317	-5.00	2.70	12.00	-500.0	-2.00	-2.00	3.90
25318	-5.00	3.50	13.00	-500.0	-2.00	2.30	3.80
25319	-5.00	6.60	11.00	-500.0	-2.00	-2.00	5.20
25320	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	1.80
25321	-5.00	4.00	20.00	-500.0	-2.00	-2.00	8.10
25322	-5.00	4.00	7.80	-500.0	-2.00	-2.00	4.10
25323	-5.00	4.00	10.00	-500.0	-2.00	-2.00	4.70
25324	-5.00	3.00	8.60	-500.0	-2.00	-2.00	3.70
25325	-5.00	3.40	9.40	520.0	-2.00	-2.00	4.80
25326	-5.00	3.50	8.80	-500.0	-2.00	-2.00	3.70
25327	-5.00	3.70	11.00	-500.0	-2.00	-2.00	3.40
25328	-5.00	4.70	14.00	-500.0	-2.00	-2.00	5.20
25329	-5.00	2.20	9.00	-500.0	-2.00	-2.00	2.90
25330	-5.00	2.00	8.00	-500.0	-2.00	-2.00	2.10
25331	-5.00	1.60	11.00	-500.0	-2.00	-2.00	2.90
25332	-5.00	-1.00	5.40	-500.0	-2.00	-2.00	1.40
25333	-5.00	1.60	12.00	-500.0	3.00	-2.00	3.50
25334	-5.00	1.90	11.00	-500.0	-2.00	-2.00	3.00
25335	-5.00	1.70	12.00	-500.0	-2.00	2.40	3.00
25336	-5.00	3.00	7.10	-500.0	-2.00	-2.00	4.00
25337	-5.00	1.50	13.00	-500.0	-2.00	2.20	2.70
25338	-5.00	2.70	6.80	-500.0	-2.00	-2.00	2.60
25339	-5.00	2.10	8.60	-500.0	-2.00	-2.00	3.70
25340	-5.00	-1.00	1.80	-500.0	-2.00	-2.00	1.90
25341	-5.00	2.30	7.20	-500.0	-2.00	-2.00	5.10
25342	-5.00	2.30	7.60	-500.0	-2.00	2.20	2.80
25343	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.30
25344	-5.00	-1.00	8.40	-500.0	-2.00	-2.00	2.90
25345	-5.00	6.50	8.80	-500.0	-2.00	-2.00	3.60
25346	-5.00	5.60	10.00	-500.0	-2.00	-2.00	3.80
25347	-5.00	1.30	14.00	-500.0	-2.00	2.60	3.30
25348	-5.00	1.10	8.20	-500.0	-2.00	2.80	3.30
25349	-5.00	6.50	10.00	-500.0	-2.00	-2.00	3.20

25350	-5.00	5.70	10.00	-500.0	-2.00	-2.00	2.70
25351	-5.00	3.50	4.70	-500.0	-2.00	-2.00	1.90
25352	-5.00	6.40	11.00	-500.0	-2.00	-2.00	3.20
25353	-5.00	5.60	10.00	-500.0	-2.00	-2.00	2.30
25354	-5.00	6.30	11.00	-500.0	-2.00	-2.00	2.60
25355	-5.00	-1.00	3.50	-500.0	-2.00	-2.00	1.70
25356	-5.00	-1.00	2.60	-500.0	-2.00	-2.00	1.30
25357	-5.00	-1.00	2.80	-500.0	-2.00	-2.00	1.30
25358	-5.00	-1.00	2.90	-500.0	-2.00	-2.00	1.30
25359	-5.00	8.40	13.00	-500.0	-2.00	-2.00	4.20
25360	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.70
25361	-5.00	1.30	15.00	-500.0	-2.00	2.30	4.00
25362	-5.00	1.30	12.00	-500.0	-2.00	2.40	4.10
25363	-5.00	1.20	11.00	-500.0	2.30	4.60	4.30
25364	-5.00	-1.00	2.70	-500.0	-2.00	-2.00	1.40
25365	-5.00	1.80	9.10	-500.0	3.10	-2.00	4.10
25366	-5.00	2.20	15.00	-500.0	-2.00	4.80	3.80
25367	-5.00	1.50	14.00	-500.0	-2.00	3.10	4.30
25368	-5.00	-1.00	3.50	-500.0	-2.00	-2.00	1.90
25369	-5.00	1.10	6.30	-500.0	-2.00	-2.00	2.30
25370	-5.00	-1.00	5.50	-500.0	2.30	-2.00	2.80
25371	-5.00	1.70	9.50	-500.0	-2.00	4.70	3.50
25372	-5.00	-1.00	5.30	-500.0	-2.00	2.10	2.10
25373	-5.00	-1.00	4.20	-500.0	-2.00	-2.00	1.40
25374	-5.00	2.00	18.00	-500.0	2.20	3.60	3.70
25375	-5.00	1.00	6.70	-500.0	-2.00	-2.00	2.40
25376	-5.00	-1.00	14.00	-500.0	-2.00	3.00	3.20
25377	-5.00	-1.00	3.70	-500.0	2.30	-2.00	1.70
25378	-5.00	-1.00	11.00	-500.0	12.00	2.80	2.80
25379	-5.00	1.30	6.20	-500.0	-2.00	-2.00	2.60
25380	-5.00	3.10	14.00	-500.0	6.40	2.90	2.10
25381	-5.00	-1.00	3.60	-500.0	-2.00	-2.00	1.50
25382	-5.00	5.40	8.00	-500.0	-2.00	-2.00	2.90
25383	-5.00	7.30	9.20	-500.0	-2.00	-2.00	3.00
25384	-5.00	6.90	10.00	-500.0	-2.00	-2.00	2.80
25385	-5.00	-1.00	2.90	-500.0	-2.00	-2.00	1.20
25386	-5.00	5.30	8.30	-500.0	-2.00	-2.00	2.40
25387	-5.00	3.60	4.40	-500.0	-2.00	-2.00	1.30
25388	-5.00	6.50	9.00	-500.0	-2.00	-2.00	3.10
25389	-5.00	7.50	11.00	580.0	-2.00	-2.00	3.60
25390	-5.00	7.00	10.00	-500.0	-2.00	-2.00	4.00
25391	-5.00	5.60	8.90	-500.0	-2.00	-2.00	2.60
25392	-5.00	10.00	15.00	-500.0	-2.00	-2.00	2.30
25393	-5.00	-1.00	6.80	-500.0	-2.00	-2.00	2.30
25394	-5.00	2.60	17.00	-500.0	-2.00	5.70	3.60
25395	-5.00	1.20	13.00	-500.0	-2.00	2.30	4.20
25396	-5.00	2.70	18.00	-500.0	-2.00	-2.00	3.00
25397	-5.00	1.40	17.00	-500.0	-2.00	3.40	3.60
25398	-5.00	2.20	10.00	-500.0	-2.00	-2.00	4.00
25399	-5.00	1.50	11.00	-500.0	-2.00	3.30	3.20
25400	-5.00	-1.00	2.20	-500.0	3.80	-2.00	1.80
25402	-5.00	-1.00	12.00	-500.0	12.00	-2.00	2.20
25404	-5.00	1.10	12.00	-500.0	2.80	4.30	3.70
25405	-5.00	2.90	14.00	-500.0	-2.00	2.50	3.50
25406	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	2.80
25407	-5.00	2.20	11.00	-500.0	-2.00	-2.00	3.20
25408	-10.00	2.40	5.60	-500.0	-2.00	-2.00	3.40
25409	-5.00	1.00	11.00	-500.0	-2.00	-2.00	2.30
25410	-5.00	2.40	10.00	-500.0	-2.00	-2.00	3.20
25411	-5.00	3.90	11.00	-500.0	-2.00	2.10	3.30
25412	-5.00	2.70	10.00	-500.0	-2.00	-2.00	3.20
25413	-5.00	1.20	6.70	-500.0	19.00	2.20	2.00
25414	-5.00	3.00	9.20	-500.0	-2.00	-2.00	6.90
25415	-5.00	2.80	5.10	-500.0	-2.00	-2.00	3.40
25416	-5.00	2.50	11.00	-500.0	-2.00	-2.00	4.60
25417	-5.00	3.60	8.20	-500.0	-2.00	-2.00	5.70

25418	-5.00	3.80	12.00	-500.0	-2.00	-2.00	4.40
25419	-5.00	3.90	7.10	-500.0	-2.00	-2.00	7.00
25420	-5.00	-1.00	2.20	-500.0	2.60	-2.00	1.70
25421	-5.00	1.20	2.90	-500.0	-2.00	-2.00	2.40
25422	-5.00	1.30	3.80	-500.0	-2.00	-2.00	4.50
25423	-5.00	4.70	6.60	-500.0	-2.00	-2.00	13.00
25424	-5.00	3.20	7.40	-500.0	-2.00	-2.00	4.00
25425	-5.00	2.90	7.60	-500.0	-2.00	-2.00	3.10
25426	-5.00	3.20	9.40	-500.0	-2.00	2.70	2.90
25427	-5.00	4.20	10.00	-500.0	-2.00	-2.00	4.30
25428	-5.00	2.40	8.10	-500.0	5.60	-2.00	3.30
25429	-5.00	1.00	4.90	-500.0	-2.00	-2.00	2.80
25430	-5.00	1.30	8.60	-500.0	3.70	-2.00	2.50
25431	-5.00	1.50	4.30	-500.0	-2.00	-2.00	-.50
25432	-5.00	1.40	15.00	-500.0	-2.00	3.50	6.80
25433	-5.00	1.70	15.00	-500.0	-2.00	-2.00	4.20
25434	-5.00	1.50	14.00	-500.0	-2.00	3.80	3.50
25435	-5.00	2.80	19.00	-500.0	3.20	5.30	3.40
25436	-5.00	1.10	13.00	-500.0	3.00	5.10	3.20
25437	-5.00	1.00	3.40	-500.0	-2.00	2.00	1.20
25438	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	1.10
25439	8.00	-1.00	1.70	-500.0	-2.00	-2.00	-.50
25440	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	1.60
25441	6.50	-1.00	1.40	-500.0	-2.00	-2.00	-.50
25442	-5.00	-1.00	8.10	-500.0	-2.00	-2.00	2.30
25443	-5.00	-1.00	5.60	-500.0	-2.00	-2.00	1.50
25444	-5.00	1.10	17.00	-500.0	-2.00	4.20	3.80
25445	-5.00	-1.00	14.00	-500.0	-2.00	2.50	2.50
25446	-5.00	1.10	9.10	-500.0	3.80	2.50	3.50
25447	-5.00	2.30	11.00	-500.0	3.50	3.70	3.00
25448	-5.00	1.50	7.70	-500.0	-2.00	3.50	3.20
25449	-5.00	-1.00	3.80	-500.0	4.10	-2.00	2.30
25450	-5.00	-1.00	12.00	-500.0	6.60	-2.00	3.20
25451	-5.00	1.30	5.70	-500.0	-2.00	2.10	2.70
25452	-5.00	-1.00	4.50	-500.0	-2.00	2.50	2.40
25453	-5.00	1.40	9.50	-500.0	-2.00	-2.00	3.00
25454	-5.00	2.30	14.00	-500.0	6.60	2.80	3.50
25455	-5.00	-1.00	14.00	-500.0	13.00	-2.00	2.50
25456	-5.00	-1.00	3.60	-500.0	2.30	-2.00	1.80
25457	-5.00	1.30	3.40	-500.0	-2.00	-2.00	1.90
25458	-5.00	-1.00	3.20	-500.0	-2.00	-2.00	1.50
25459	-5.00	-1.00	11.00	-500.0	2.60	2.30	3.90
25460	-5.00	1.60	1.70	-500.0	-2.00	-2.00	1.60
25461	-5.00	1.70	13.00	-500.0	-2.00	4.40	4.10
25462	-5.00	-1.00	2.40	-500.0	-2.00	-2.00	1.00
25463	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.00
25464	-5.00	1.20	4.10	-500.0	2.50	-2.00	1.80
25465	-5.00	-1.00	2.70	-500.0	-2.00	-2.00	1.80
25466	-5.00	1.40	6.90	-500.0	-2.00	2.60	2.50
25467	-5.00	-1.00	2.40	-500.0	-2.00	-2.00	1.30
25468	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.60
25469	-5.00	1.90	20.00	-500.0	-2.00	3.90	3.90
25470	-5.00	-1.00	11.00	-500.0	3.10	3.20	2.90
25471	-5.00	1.10	6.40	-500.0	-2.00	2.70	2.70
25472	-5.00	1.30	5.50	-500.0	-2.00	3.70	3.20
25473	-5.00	1.20	11.00	-500.0	2.40	2.80	4.10
25474	-5.00	1.10	2.90	-500.0	-2.00	-2.00	1.10
25475	-5.00	4.00	7.40	-500.0	-2.00	-2.00	2.20
25476	-5.00	5.90	8.30	-500.0	-2.00	-2.00	3.10
25477	-5.00	8.20	13.00	710.0	-2.00	-2.00	4.30
25478	-5.00	2.20	3.10	-500.0	-2.00	-2.00	.88
25479	-5.00	1.40	4.90	-500.0	-2.00	-2.00	2.30
25480	-5.00	3.30	14.00	-500.0	5.30	3.50	2.00
25481	-5.00	1.60	7.60	-500.0	-2.00	2.50	2.80
25482	-5.00	1.90	4.20	-500.0	-2.00	-2.00	1.20
25483	-5.00	1.40	6.40	-500.0	-2.00	-2.00	1.70

25484	-5.00	1.40	4.80	-500.0	2.10	-2.00	1.40
25485	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	.56
25486	-5.00	2.20	16.00	-500.0	-2.00	2.10	4.10
25487	-5.00	-1.00	.82	-500.0	-2.00	-2.00	-.50
25488	-5.00	-1.00	.64	-500.0	-2.00	-2.00	-.50
25489	-5.00	1.20	15.00	-500.0	-2.00	3.20	3.60
25490	-5.00	1.30	3.60	-500.0	-2.00	-2.00	1.40
25491	-5.00	1.50	11.00	-500.0	-2.00	-2.00	1.90
25492	-5.00	-1.00	11.00	-500.0	-2.00	2.20	3.10
25493	-5.00	2.30	17.00	-500.0	-2.00	-2.00	3.40
25494	-5.00	-1.00	11.00	-500.0	-2.00	3.60	2.80
25495	-5.00	4.00	5.50	-500.0	-2.00	-2.00	2.80
25496	-5.00	2.60	10.00	-500.0	-2.00	-2.00	3.80
25497	-5.00	-1.00	1.20	-500.0	-2.00	-2.00	-.50
25498	-5.00	3.00	4.00	-500.0	-2.00	-2.00	3.20
25499	-5.00	2.70	5.60	-500.0	-2.00	-2.00	3.30
25500	-5.00	4.30	14.00	-500.0	-2.00	3.30	2.20
25501	-5.00	1.40	3.50	-500.0	-2.00	-2.00	1.80
25502	-5.00	2.40	4.30	-500.0	-2.00	-2.00	2.80
25503	-5.00	2.20	7.70	-500.0	-2.00	-2.00	2.90
25504	-5.00	2.90	7.00	-500.0	-2.00	-2.00	2.80
25505	-5.00	3.70	7.40	-500.0	-2.00	-2.00	4.60
25506	-5.00	2.70	9.30	-500.0	-2.00	2.60	3.70
25507	-5.00	3.70	12.00	-500.0	-2.00	-2.00	6.40
25508	-5.00	3.70	9.40	-500.0	-2.00	-2.00	4.70
25509	-5.00	4.40	12.00	-500.0	-2.00	-2.00	4.90
25510	-5.00	6.40	13.00	830.0	-2.00	-2.00	5.10
25511	-5.00	2.60	10.00	-500.0	-2.00	-2.00	3.50
25512	-5.00	2.50	12.00	-500.0	-2.00	-2.00	3.80
25513	-5.00	2.20	10.00	-500.0	-2.00	3.80	3.70
25514	-5.00	4.50	15.00	-500.0	-2.00	-2.00	5.70
25515	-5.00	-1.00	2.80	-500.0	-2.00	2.70	.70
25516	-5.00	-1.00	4.90	-500.0	-2.00	5.00	.67
25517	-5.00	-1.00	1.80	-500.0	-2.00	-2.00	-.50
25518	-5.00	-1.00	.78	-500.0	-2.00	-2.00	-.50
25519	7.10	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25520	-5.00	4.10	15.00	-500.0	5.70	5.80	2.40
25521	6.90	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25522	-5.00	-1.00	5.00	-500.0	4.90	5.10	.73
25523	-5.00	2.00	14.00	-500.0	-2.00	14.00	4.00
25524	-5.00	-1.00	3.40	-500.0	3.00	2.10	.60
25525	17.00	-1.00	9.20	-500.0	2.90	4.00	1.20
25526	-5.00	1.70	14.00	-500.0	-2.00	3.20	4.00
25527	-5.00	2.10	9.10	-500.0	-2.00	2.60	4.30
25528	-5.00	1.50	11.00	-500.0	-2.00	2.60	4.50
25529	-5.00	2.20	15.00	-500.0	-2.00	4.10	3.30
25530	-5.00	-1.00	6.80	-500.0	-2.00	-2.00	2.20
25531	-5.00	1.30	7.70	-500.0	3.60	-2.00	3.10
25532	-5.00	1.10	8.10	-500.0	-2.00	-2.00	2.70
25533	-5.00	-1.00	8.50	-500.0	-2.00	-2.00	3.50
25534	-5.00	-1.00	5.20	-500.0	-2.00	-2.00	1.90
25535	-5.00	-1.00	1.10	-500.0	-2.00	-2.00	-.50
25536	-5.00	1.70	11.00	-500.0	-2.00	-2.00	3.00
25537	-5.00	-1.00	9.40	-500.0	-2.00	2.10	2.70
25538	-5.00	1.10	10.00	-500.0	-2.00	3.20	2.80
25539	-5.00	-1.00	4.80	-500.0	-2.00	2.70	2.40
25540	-5.00	-1.00	2.00	-500.0	2.70	-2.00	1.60
25541	-5.00	-1.00	4.90	-500.0	-2.00	-2.00	1.20
25565	-5.00	1.40	10.00	-500.0	4.60	3.00	3.40
25566	-5.00	-1.00	2.50	-500.0	-2.00	-2.00	.81
25567	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	.64
25568	-5.00	1.10	8.70	-500.0	-2.00	4.00	2.40
25569	-5.00	1.10	3.10	-500.0	-2.00	-2.00	1.00
25570	-5.00	1.20	5.90	-500.0	-2.00	-2.00	1.30
25571	-5.00	1.50	6.40	-500.0	-2.00	-2.00	1.50
25572	-5.00	-1.00	4.10	-500.0	-2.00	-2.00	.83

25573	-5.00	1.10	2.60	-500.0	-2.00	-2.00	.77
25574	-5.00	-1.00	4.10	-500.0	-2.00	-2.00	1.20
25575	-5.00	1.50	4.70	-500.0	-2.00	-2.00	2.00
25576	-5.00	1.30	7.40	-500.0	-2.00	-2.00	2.40
25577	-5.00	2.50	15.00	-500.0	-2.00	4.00	4.40
25578	-5.00	8.30	26.00	-500.0	-2.00	2.20	5.40
25579	-5.00	1.60	11.00	-500.0	-2.00	2.30	3.30
[illegible]80	-5.00	-1.00	2.10	-500.0	2.90	-2.00	1.70
25581	-5.00	1.60	13.00	-500.0	-2.00	2.30	3.40
25582	-5.00	-1.00	1.70	-500.0	-2.00	-2.00	.61
25583	-5.00	1.50	14.00	-500.0	2.90	2.60	3.40
25584	-5.00	1.40	14.00	-500.0	-2.00	-2.00	4.00
25585	-5.00	4.60	15.00	-500.0	6.60	-2.00	3.80
25586	-5.00	2.20	4.50	-500.0	-2.00	-2.00	2.20
25587	-5.00	2.60	4.30	-500.0	-2.00	-2.00	2.10
25588	-5.00	1.80	15.00	-500.0	-2.00	2.10	3.40
25589	-5.00	2.50	3.50	-500.0	-2.00	-2.00	1.60
25590	-5.00	2.80	11.00	-500.0	-2.00	-2.00	3.30
25591	-5.00	2.70	9.30	-500.0	3.50	-2.00	3.50
25592	-5.00	2.20	15.00	-500.0	-2.00	4.20	3.10
25593	-5.00	4.40	13.00	-500.0	-2.00	2.40	2.80
25594	-5.00	5.00	12.00	-500.0	-2.00	-2.00	3.50
25595	-5.00	2.80	7.10	-500.0	-2.00	-2.00	1.30
25596	-5.00	2.60	6.00	-500.0	-2.00	-2.00	2.70
25597	-5.00	2.10	4.70	-500.0	-2.00	-2.00	2.10
25598	-5.00	2.10	19.00	-500.0	-2.00	2.30	3.10
25599	-5.00	1.10	4.60	-500.0	-2.00	-2.00	1.50
25600	-5.00	4.30	14.00	-500.0	7.50	3.30	2.20
24923R	-5.00	7.40	11.00	-500.0	-2.00	-2.00	2.80
25114R	-5.00	-1.00	10.00	-500.0	-2.00	-2.00	3.20
25137R	-5.00	6.60	12.00	600.0	-2.00	-2.00	3.00
25154R	-5.00	3.00	6.60	-500.0	-2.00	-2.00	2.90
[illegible]72R	-5.00	2.90	7.60	-500.0	-2.00	-2.00	3.30
[illegible]88R	-5.00	-1.00	1.50	-500.0	-2.00	-2.00	-.50
25209R	-5.00	6.60	9.00	-500.0	-2.00	-2.00	2.40
25235R	-5.00	2.50	14.00	-500.0	-2.00	-2.00	4.10
25242R	-5.00	3.70	8.80	-500.0	-2.00	2.80	3.30
25268R	-5.00	-1.00	1.10	-500.0	-2.00	-2.00	.55
25282R	-5.00	-1.00	5.80	-500.0	-2.00	-2.00	2.30
25305R	-5.00	-1.00	.92	-500.0	-2.00	-2.00	-.50
25333R	-5.00	2.30	13.00	-500.0	3.00	2.30	3.60
25350R	-5.00	6.70	9.40	-500.0	-2.00	-2.00	2.60
25364R	-5.00	-1.00	2.70	-500.0	-2.00	-2.00	1.50
25397R	-5.00	-1.00	17.00	-500.0	-2.00	-2.00	3.60
25423R	-5.00	4.30	6.70	-500.0	-2.00	-2.00	12.00
25433R	-5.00	1.80	16.00	640.0	-2.00	3.30	4.70
25482R	-5.00	2.40	4.40	-500.0	-2.00	-2.00	1.30
25494R	-5.00	1.20	11.00	-500.0	-2.00	-2.00	2.90
25519R	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25532R	-5.00	1.20	7.70	-500.0	-2.00	-2.00	2.50
25571R	-5.00	1.80	6.20	-500.0	-2.00	-2.00	1.60
25597R	-5.00	1.30	4.80	-500.0	-2.00	-2.00	2.30

S#	Zn	Zr
25262	210.0	540.0
25263	430.0	510.0
[illegible]64	760.0	-500.0
[illegible]65	2100.0	-500.0
25266	280.0	660.0
25267	-100.0	530.0
25268	-100.0	-500.0
25269	-100.0	-500.0
25270	-100.0	-500.0
25271	-100.0	-500.0
25272	-100.0	-500.0

25273	-100.0	-500.0
25274	-100.0	-500.0
25275	-100.0	-500.0
25276	-100.0	-500.0
25277	-100.0	-500.0
25278	-100.0	-500.0
25279	200.0	-500.0
25280	850.0	-500.0
25281	-100.0	-500.0
25282	-100.0	-500.0
25283	-100.0	-500.0
25284	-100.0	-500.0
25285	-100.0	-500.0
25286	-100.0	-500.0
25287	-100.0	-500.0
25288	-100.0	-500.0
25289	-100.0	-500.0
25290	150.0	-500.0
25291	-100.0	-500.0
25292	-100.0	-500.0
25293	-100.0	-500.0
25294	-100.0	-500.0
25295	-100.0	-500.0
25296	-100.0	-500.0
25297	-100.0	-500.0
25298	-100.0	-500.0
25299	-100.0	-500.0
25300	110.0	-500.0
25301	-100.0	-500.0
25302	-100.0	-500.0
25303	-100.0	-500.0
25304	-100.0	-500.0
25305	140.0	-500.0
25306	-100.0	-500.0
25307	110.0	-500.0
25308	180.0	-500.0
25309	330.0	-500.0
25310	240.0	-500.0
25311	300.0	530.0
25312	110.0	-500.0
25313	360.0	600.0
25314	130.0	660.0
25315	120.0	-500.0
25316	160.0	690.0
25317	-100.0	-500.0
25318	200.0	630.0
25319	210.0	830.0
25320	860.0	-500.0
25321	-100.0	700.0
25322	440.0	810.0
25323	290.0	650.0
25324	710.0	-500.0
25325	640.0	510.0
25326	300.0	710.0
25327	120.0	510.0
25328	770.0	530.0
25329	110.0	-500.0
25330	200.0	-500.0
25331	-100.0	-500.0
25332	-100.0	-500.0
25333	-100.0	-500.0
25334	-100.0	-500.0
25335	-100.0	-500.0
25336	-100.0	-500.0
25337	960.0	-500.0
25338	250.0	570.0

424316

25339	1200.0	-500.0
25340	880.0	-500.0
25341	420.0	-500.0
25342	2500.0	-500.0
25343	270.0	-500.0
25344	-100.0	-500.0
25345	670.0	670.0
25346	670.0	650.0
25347	340.0	-500.0
25348	-100.0	-500.0
25349	1200.0	750.0
25350	1100.0	-500.0
25351	620.0	-500.0
25352	700.0	520.0
25353	230.0	500.0
25354	280.0	660.0
25355	-100.0	-500.0
25356	-100.0	-500.0
25357	-100.0	-500.0
25358	-100.0	-500.0
25359	130.0	1200.0
25360	830.0	-500.0
25361	-100.0	-500.0
25362	-100.0	-500.0
25363	-100.0	-500.0
25364	-100.0	-500.0
25365	-100.0	-500.0
25366	-100.0	-500.0
25367	-100.0	-500.0
25368	-100.0	-500.0
25369	-100.0	-500.0
25370	-100.0	-500.0
25371	-100.0	-500.0
25372	-100.0	-500.0
25373	-100.0	-500.0
25374	-100.0	-500.0
25375	-100.0	-500.0
25376	-100.0	-500.0
25377	-100.0	-500.0
25378	-100.0	-500.0
25379	-100.0	-500.0
25380	120.0	-500.0
25381	-100.0	-500.0
25382	120.0	-500.0
25383	110.0	650.0
25384	190.0	830.0
25385	100.0	-500.0
25386	300.0	500.0
25387	-100.0	-500.0
25388	330.0	760.0
25389	490.0	770.0
25390	650.0	530.0
25391	440.0	810.0
25392	640.0	-500.0
25393	250.0	-500.0
25394	210.0	510.0
25395	-100.0	-500.0
25396	120.0	-500.0
25397	2700.0	-500.0
25398	450.0	510.0
25399	370.0	-500.0
25400	910.0	-500.0
25402	5100.0	-500.0
25404	1800.0	-500.0
25405	180.0	-500.0
25406	120.0	-500.0

424317

25407	170.0	550.0
25408	420.0	-500.0
25409	100.0	-500.0
25410	270.0	-500.0
25411	160.0	660.0
25412	260.0	-500.0
25413	-100.0	-500.0
25414	250.0	-500.0
25415	370.0	-500.0
25416	200.0	-500.0
25417	2800.0	-500.0
25418	220.0	540.0
25419	230.0	770.0
25420	820.0	-500.0
25421	-100.0	-500.0
25422	770.0	560.0
25423	520.0	890.0
25424	130.0	610.0
25425	-100.0	-500.0
25426	-100.0	-500.0
25427	100.0	570.0
25428	-100.0	-500.0
25429	-100.0	-500.0
25430	-100.0	-500.0
25431	270.0	-500.0
25432	-100.0	-500.0
25433	-100.0	-500.0
25434	-100.0	-500.0
25435	-100.0	-500.0
25436	-100.0	-500.0
25437	-100.0	-500.0
25438	810.0	-500.0
25439	-100.0	-500.0
25440	870.0	-500.0
25441	-100.0	-500.0
25442	1000.0	-500.0
25443	-100.0	-500.0
25444	230.0	-500.0
25445	110.0	-500.0
25446	130.0	-500.0
25447	-100.0	-500.0
25448	-100.0	-500.0
25449	-100.0	-500.0
25450	-100.0	-500.0
25451	-100.0	-500.0
25452	-100.0	-500.0
25453	-100.0	-500.0
25454	-100.0	-500.0
25455	-100.0	-500.0
25456	-100.0	-500.0
25457	-100.0	-500.0
25458	-100.0	-500.0
25459	-100.0	-500.0
25460	840.0	-500.0
25461	160.0	-500.0
25462	-100.0	-500.0
25463	-100.0	-500.0
25464	-100.0	-500.0
25465	-100.0	-500.0
25466	-100.0	-500.0
25467	-100.0	-500.0
25468	-100.0	-500.0
25469	-100.0	-500.0
25470	110.0	-500.0
25471	-100.0	-500.0
25472	-100.0	-500.0

424318

25473	-100.0	-500.0
25474	-100.0	-500.0
25475	100.0	-500.0
25476	140.0	640.0
25477	150.0	980.0
25478	-100.0	-500.0
25479	-100.0	-500.0
25480	120.0	-500.0
25481	-100.0	-500.0
25482	-100.0	-500.0
25483	-100.0	-500.0
25484	-100.0	-500.0
25485	-100.0	-500.0
25486	130.0	-500.0
25487	570.0	-500.0
25488	860.0	-500.0
25489	260.0	-500.0
25490	150.0	-500.0
25491	190.0	-500.0
25492	470.0	-500.0
25493	260.0	-500.0
25494	-100.0	-500.0
25495	250.0	-500.0
25496	1200.0	-500.0
25497	160.0	-500.0
25498	270.0	-500.0
25499	210.0	-500.0
25500	130.0	-500.0
25501	240.0	-500.0
25502	380.0	-500.0
25503	690.0	-500.0
25504	980.0	810.0
25505	3400.0	-500.0
25506	230.0	-500.0
25507	320.0	-500.0
25508	260.0	530.0
25509	1400.0	590.0
25510	180.0	760.0
25511	160.0	-500.0
25512	100.0	-500.0
25513	170.0	-500.0
25514	430.0	580.0
25515	100.0	-500.0
25516	130.0	-500.0
25517	110.0	-500.0
25518	110.0	-500.0
25519	-100.0	-500.0
25520	130.0	-500.0
25521	-100.0	-500.0
25522	-100.0	-500.0
25523	-100.0	-500.0
25524	-100.0	-500.0
25525	110.0	-500.0
25526	-100.0	-500.0
25527	-100.0	-500.0
25528	-100.0	-500.0
25529	-100.0	-500.0
25530	-100.0	-500.0
25531	-100.0	-500.0
25532	-100.0	-500.0
25533	-100.0	-500.0
25534	-100.0	-500.0
25535	-100.0	-500.0
25536	-100.0	-500.0
25537	190.0	-500.0
25538	140.0	-500.0

424319

25539	-100.0	-500.0
25540	840.0	-500.0
25541	1440.0	-500.0
25565	-100.0	-500.0
25566	-100.0	-500.0
25567	-100.0	-500.0
25568	-100.0	-500.0
[illegible]69	-100.0	-500.0
25570	-100.0	-500.0
25571	-100.0	-500.0
25572	-100.0	-500.0
25573	-100.0	-500.0
25574	-100.0	-500.0
25575	-100.0	-500.0
25576	-100.0	-500.0
25577	-100.0	-500.0
25578	140.0	-500.0
25579	-100.0	-500.0
25580	890.0	-500.0
25581	150.0	-500.0
25582	150.0	-500.0
25583	-100.0	-500.0
25584	120.0	-500.0
25585	310.0	810.0
25586	260.0	-500.0
25587	300.0	-500.0
25588	160.0	-500.0
25589	120.0	-500.0
25590	150.0	-500.0
25591	170.0	-500.0
25592	210.0	-500.0
25593	420.0	-500.0
[illegible]94	200.0	500.0
25595	500.0	590.0
25596	360.0	-500.0
25597	1300.0	-500.0
25598	-100.0	-500.0
25599	-100.0	-500.0
25600	100.0	-500.0
24923R	280.0	650.0
25114R	-100.0	-500.0
25137R	380.0	740.0
25154R	290.0	630.0
25172R	190.0	520.0
25188R	180.0	-500.0
25209R	110.0	730.0
25235R	120.0	760.0
25242R	130.0	510.0
25268R	-100.0	-500.0
25282R	-100.0	-500.0
25305R	140.0	-500.0
25333R	-100.0	-500.0
25350R	1000.0	650.0
25364R	-100.0	-500.0
25397R	2800.0	-500.0
25423R	520.0	700.0
25433R	-100.0	-500.0
[illegible]82R	-100.0	-500.0
[illegible]94R	-100.0	-500.0
25519R	-100.0	-500.0
25532R	-100.0	-500.0
25571R	-100.0	-500.0
25597R	1300.0	-500.0

424320

RGC TASMANIA SAMPLES # 25601-25865, 25874-25908
CQUEREL JOB # 921
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
25601	8.60	51.00	470.0	10.00	140.00	15.00	130.0
25602	1.50	-2.00	-100.0	3.10	19.00	-1.00	18.0
25603	1.50	-2.00	-100.0	4.90	20.00	-1.00	53.0
25604	1.30	-2.00	-100.0	4.90	17.00	-1.00	19.0
25605	9.30	3.60	400.0	2.10	77.00	6.70	68.0
25606	6.80	-2.00	180.0	-2.00	110.00	3.10	26.0
25607	17.00	2.60	-100.0	2.40	34.00	-1.00	52.0
25608	14.00	2.60	390.0	6.00	130.00	10.00	94.0
25609	8.00	-2.00	-100.0	-2.00	45.00	1.50	35.0
25610	14.00	140.00	540.0	38.00	90.00	10.00	180.0
25611	3.30	22.00	180.0	31.00	150.00	10.00	350.0
25612	9.30	28.00	620.0	27.00	130.00	11.00	140.0
25613	4.30	23.00	420.0	89.00	150.00	2.10	280.0
25614	5.60	46.00	1200.0	170.00	190.00	3.30	330.0
25615	2.60	13.00	190.0	160.00	160.00	1.00	320.0
25616	1.90	7.80	150.0	60.00	94.00	4.20	230.0
25617	2.00	14.00	240.0	62.00	88.00	5.00	280.0
25618	2.30	6.80	100.0	54.00	130.00	2.60	230.0
25619	4.70	34.00	600.0	43.00	222.00	3.60	300.0
25620	2.80	312.00	-100.0	-2.00	26.00	1.10	49.0
25621	2.10	12.00	-100.0	120.00	92.00	2.90	220.0
25622	6.80	54.00	300.0	14.00	84.00	8.80	56.0
25623	3.10	12.00	790.0	6.10	87.00	10.00	66.0
25624	3.50	9.30	480.0	12.00	100.00	12.00	71.0
25625	1.70	-2.00	680.0	6.80	110.00	12.00	110.0
25626	3.60	18.00	480.0	25.00	100.00	8.10	82.0
25627	1.00	2.10	210.0	5.20	57.00	3.60	35.0
25628	6.90	5.60	-100.0	22.00	130.00	1.40	150.0
25629	3.30	3.40	120.0	55.00	160.00	3.30	240.0
25630	3.60	4.20	280.0	-2.00	140.00	2.30	210.0
25631	10.00	36.00	430.0	46.00	150.00	10.00	280.0
25632	8.80	24.00	390.0	120.00	180.00	7.10	300.0
25633	5.90	19.00	480.0	52.00	190.00	10.00	280.0
25634	4.10	20.00	450.0	50.00	140.00	19.00	250.0
25635	5.10	65.00	260.0	120.00	98.00	11.00	270.0
25636	5.00	80.00	600.0	10.00	83.00	13.00	81.0
25637	1.70	-2.00	120.0	10.00	89.00	20.00	22.0
25638	2.90	13.00	420.0	5.30	95.00	11.00	76.0
25639	21.90	79.00	530.0	3.70	120.00	20.00	160.0
25640	2.80	310.00	440.0	-2.00	28.00	-1.00	52.0
25641	12.00	78.00	3800.0	11.00	90.00	6.20	200.0
25642	6.30	150.00	-100.0	72.00	57.00	6.90	180.0
25643	2.90	42.00	-100.0	21.00	88.00	17.00	49.0
25644	8.40	170.00	210.0	58.00	82.00	10.00	110.0
25645	16.00	200.00	-100.0	40.00	84.00	7.00	230.0
25646	4.30	89.00	130.0	60.00	59.00	8.20	200.0
25647	7.90	120.00	150.0	30.00	110.00	7.90	270.0
25648	14.00	150.00	250.0	84.00	58.00	11.00	310.0
25649	17.00	170.00	270.0	41.00	95.00	6.90	210.0
25650	7.50	49.00	120.0	35.00	73.00	13.00	815.0
25651	30.00	130.00	240.0	38.00	54.00	13.00	220.0
25652	.91	15.00	-100.0	65.00	22.00	6.30	320.0

25653	2.10	15.00	-100.0	55.00	21.00	8.30	330.0
25654	2.10	30.00	1000.0	35.00	160.00	8.30	280.0
25655	2.40	21.00	330.0	36.00	95.00	11.00	210.0
25656	2.50	41.00	300.0	8.10	110.00	8.50	190.0
25657	20.70	160.00	180.0	13.00	75.00	3.10	200.0
25658	4.50	88.00	370.0	8.30	100.00	13.00	150.0
25659	1.50	20.00	170.0	11.00	52.00	8.40	280.0
25660	-.20	2.90	450.0	-2.00	70.00	18.00	460.0
25661	8.50	100.00	180.0	64.00	51.00	16.00	390.0
25662	9.00	90.00	250.0	42.00	59.00	17.00	370.0
25663	3.30	25.00	170.0	56.00	72.00	11.00	290.0
25664	3.10	44.00	150.0	30.00	52.00	15.00	240.0
25665	5.60	350.00	330.0	26.00	62.00	8.40	220.0
25666	7.30	130.00	-100.0	67.00	62.00	8.70	290.0
25667	5.10	100.00	110.0	36.00	33.00	8.90	440.0
25668	11.00	120.00	300.0	31.00	70.00	4.80	430.0
25669	6.20	56.00	220.0	60.00	94.00	6.00	310.0
25670	3.80	150.00	110.0	59.00	43.00	12.00	170.0
25671	9.40	150.00	580.0	16.00	140.00	13.00	250.0
25672	2.70	231.00	160.0	28.00	130.00	14.00	260.0
25673	1.60	130.00	-100.0	15.00	100.00	8.30	250.0
25674	5.10	120.00	140.0	88.00	74.00	10.00	260.0
25675	4.50	94.00	-100.0	29.00	91.00	12.00	230.0
25676	4.30	95.00	190.0	52.00	84.00	12.00	220.0
25677	5.00	35.00	170.0	3.60	89.00	18.00	270.0
25678	18.00	63.00	260.0	27.00	46.00	7.40	85.0
25679	2.20	2.50	330.0	13.00	74.00	11.00	70.0
25680	.21	3.20	440.0	-2.00	70.00	17.00	460.0
25681	.82	-2.00	-100.0	6.50	5.10	-1.00	13.0
25682	.90	-2.00	100.0	3.60	18.00	2.50	52.0
25683	2.00	-2.00	330.0	7.30	65.00	5.70	55.0
25684	3.10	14.00	280.0	3.20	41.00	13.00	85.0
25685	1.20	-2.00	120.0	3.40	100.00	2.40	46.0
25686	1.10	-2.00	600.0	10.00	130.00	11.00	87.0
25687	.81	-2.00	170.0	6.10	54.00	3.20	60.0
25688	1.20	-2.00	340.0	3.50	45.00	5.20	40.0
25689	1.90	-2.00	700.0	5.70	110.00	12.00	86.0
25690	1.50	-2.00	500.0	3.70	81.00	9.00	55.0
25691	1.50	-2.00	340.0	3.10	73.00	5.50	60.0
25692	1.40	-2.00	340.0	4.20	76.00	8.70	70.0
25693	1.90	-2.00	-100.0	3.70	12.00	1.30	13.0
25694	2.20	-2.00	-100.0	3.20	18.00	2.80	53.0
25695	.58	-2.00	130.0	6.10	28.00	1.90	25.0
25696	1.90	-2.00	620.0	7.40	100.00	9.10	74.0
25697	.59	-2.00	-100.0	5.20	12.00	1.30	18.0
25698	.66	-2.00	-100.0	2.60	15.00	1.10	37.0
25699	.62	-2.00	-100.0	4.10	12.00	1.00	13.0
25700	3.00	311.00	550.0	-2.00	28.00	-1.00	53.0
25701	.87	-2.00	510.0	8.50	67.00	7.80	59.0
25702	5.60	8.40	720.0	22.00	237.00	10.00	320.0
25703	1.10	-2.00	510.0	6.00	78.00	9.40	81.0
25704	1.80	-2.00	670.0	5.20	94.00	12.00	94.0
25705	.70	-2.00	110.0	7.90	31.00	2.00	35.0
25706	1.60	21.00	700.0	8.40	180.00	11.00	210.0
25707	2.40	13.00	740.0	4.70	218.00	12.00	240.0
25708	2.30	7.50	300.0	4.60	140.00	11.00	260.0
25709	3.90	39.00	540.0	-2.00	140.00	8.30	210.0
25710	1.30	2.00	530.0	6.60	140.00	8.20	270.0
25711	.43	11.00	280.0	-2.00	110.00	17.00	350.0
25712	.55	12.00	540.0	-2.00	219.00	6.60	290.0
25713	2.30	8.40	440.0	7.50	232.00	6.50	390.0
25714	2.80	2.50	780.0	-2.00	120.00	15.00	87.0
25715	1.90	-2.00	800.0	5.00	96.00	13.00	100.0
25716	5.40	44.00	310.0	3.50	170.00	22.00	230.0
25717	8.10	44.00	350.0	2.90	170.00	15.00	420.0
25718	3.90	14.00	380.0	8.90	150.00	9.40	200.0

25719	1.10	-2.00	-100.0	7.10	8.80	-1.00	53.0
25720	.25	2.80	440.0	-2.00	69.00	17.00	450.0
25721	.53	-2.00	-100.0	2.60	6.70	-1.00	13.0
25722	.62	-2.00	390.0	3.00	76.00	10.00	50.0
25723	3.60	14.00	-100.0	5.50	50.00	1.80	450.0
25724	3.70	29.00	250.0	3.20	37.00	18.00	170.0
25725	4.30	224.00	160.0	10.00	4.10	2.10	30.0
25726	21.30	56.00	200.0	2.20	61.00	11.00	110.0
25727	1.60	8.80	120.0	40.00	53.00	3.90	180.0
25728	4.30	11.00	210.0	5.30	58.00	8.20	140.0
25729	14.00	40.00	240.0	4.40	110.00	6.70	260.0
25730	2.90	232.00	300.0	-2.00	54.00	8.00	220.0
25731	20.00	60.00	230.0	2.70	60.00	22.00	150.0
25732	6.90	15.00	210.0	3.10	63.00	18.00	130.0
25733	7.30	4.20	330.0	2.40	60.00	25.00	94.0
25734	2.90	11.00	340.0	3.80	63.00	4.80	220.0
25735	1.70	6.10	290.0	4.20	49.00	7.00	190.0
25736	4.20	17.00	200.0	2.80	69.00	5.00	230.0
25737	1.30	15.00	250.0	3.40	100.00	7.00	210.0
25738	28.00	13.00	-100.0	-2.00	110.00	19.00	190.0
25739	1.10	40.00	-100.0	3.90	60.00	9.30	280.0
25740	-.20	-2.00	340.0	-2.00	45.00	12.00	330.0
25741	2.50	22.00	-100.0	3.70	35.00	7.60	200.0
25742	19.00	61.00	130.0	4.60	64.00	8.20	250.0
25743	8.60	29.00	-100.0	4.10	50.00	10.00	260.0
25744	.67	13.00	-100.0	14.00	80.00	6.80	380.0
25745	.41	11.00	-100.0	10.00	40.00	4.40	360.0
25746	.89	7.70	130.0	3.90	46.00	6.90	260.0
25747	1.10	28.00	-100.0	13.00	42.00	6.30	140.0
25748	1.30	20.00	140.0	10.00	43.00	7.70	170.0
25749	1.10	16.00	-100.0	6.30	43.00	3.60	190.0
25750	.56	16.00	-100.0	3.50	45.00	8.60	280.0
25751	.29	3.80	130.0	19.00	52.00	3.50	360.0
25752	2.70	77.00	130.0	8.10	50.00	5.90	210.0
25753	2.90	230.00	-100.0	5.50	52.00	4.00	210.0
25754	1.00	160.00	-100.0	6.80	41.00	6.70	330.0
25755	18.00	1690.00	1500.0	7.90	58.00	6.00	270.0
25756	15.00	656.00	110.0	19.00	32.00	3.90	848.0
25757	2.40	57.00	230.0	26.00	41.00	3.40	180.0
25758	1.60	40.00	-100.0	-2.00	52.00	14.00	240.0
25759	1.20	3.10	240.0	2.70	60.00	10.00	82.0
25760	2.20	222.00	360.0	-2.00	19.00	-1.00	36.0
25761	13.00	351.00	170.0	11.00	13.00	1.90	120.0
25762	9.20	508.00	-100.0	17.00	22.00	1.80	35.0
25763	7.40	239.00	-100.0	13.00	14.00	1.30	40.0
25764	8.60	65.00	-100.0	16.00	3.50	-1.00	14.0
25765	23.60	454.00	-100.0	41.00	16.00	1.60	56.0
25766	45.20	1210.00	-100.0	39.00	15.00	-1.00	40.0
25767	165.00	303.00	-100.0	5.90	44.00	-1.00	6.5
25768	13.00	120.00	110.0	7.30	39.00	1.70	39.0
25769	2.20	6.60	650.0	-2.00	67.00	11.00	63.0
25770	2.10	5.90	250.0	7.60	42.00	8.10	59.0
25771	1.70	18.00	140.0	12.00	44.00	3.40	45.0
25772	2.50	35.00	-100.0	15.00	46.00	2.20	44.0
25773	1.90	2.20	290.0	5.00	54.00	4.40	32.0
25774	1.00	2.20	320.0	3.30	51.00	8.20	31.0
25775	.73	-2.00	260.0	4.20	50.00	10.00	41.0
25776	.63	-2.00	-100.0	2.60	6.90	-1.00	8.4
25777	.72	-2.00	240.0	7.50	39.00	9.20	49.0
25778	.38	-2.00	160.0	2.40	27.00	3.90	16.0
25779	.74	-2.00	-100.0	5.00	19.00	2.20	32.0
25780	.21	-2.00	320.0	-2.00	43.00	12.00	320.0
25781	.70	-2.00	330.0	8.20	68.00	5.30	38.0
25782	.45	-2.00	-100.0	6.60	24.00	-1.00	31.0
25783	.34	-2.00	-100.0	5.40	26.00	1.00	11.0
25784	2.60	4.20	440.0	5.50	64.00	8.50	59.0

25785	.30	-2.00	350.0	3.70	54.00	3.90	26.0
25786	.45	-2.00	-100.0	2.80	19.00	-1.00	8.4
25787	.57	-2.00	390.0	4.50	53.00	4.40	43.0
25788	.55	-2.00	580.0	6.70	56.00	5.70	42.0
25789	1.30	-2.00	440.0	6.30	61.00	7.20	55.0
25790	1.20	-2.00	440.0	3.30	73.00	7.00	41.0
25791	1.20	-2.00	390.0	3.60	57.00	5.80	40.0
25792	.58	-2.00	180.0	5.20	43.00	2.00	31.0
25793	.43	-2.00	110.0	6.20	27.00	1.30	13.0
25794	1.60	-2.00	610.0	3.20	80.00	12.00	80.0
25795	.54	-2.00	110.0	4.40	25.00	2.00	15.0
25796	1.50	-2.00	520.0	2.60	68.00	7.00	47.0
25797	5.30	4.50	500.0	8.90	58.00	10.00	78.0
25798	8.70	22.00	110.0	2.10	110.00	7.00	210.0
25799	5.70	-2.00	230.0	8.70	62.00	35.00	130.0
25800	2.00	210.00	320.0	-2.00	18.00	-1.00	36.0
25801	3.20	-2.00	260.0	4.70	97.00	13.00	140.0
25802	1.20	-2.00	430.0	3.70	83.00	9.30	61.0
25803	.64	-2.00	400.0	6.10	51.00	8.00	52.0
25804	.75	-2.00	320.0	2.70	62.00	5.00	48.0
25805	.60	-2.00	-100.0	4.00	35.00	-1.00	9.4
25806	1.00	-2.00	200.0	5.30	29.00	-1.00	8.9
25807	1.60	3.50	800.0	3.80	75.00	4.00	46.0
25808	1.00	-2.00	-100.0	5.40	32.00	-1.00	10.0
25809	.87	-2.00	330.0	3.00	59.00	3.20	41.0
25810	.47	-2.00	-100.0	2.30	13.00	-1.00	-5.0
25811	.44	-2.00	440.0	5.00	37.00	1.30	17.0
25812	.42	-2.00	-100.0	-2.00	18.00	-1.00	30.0
25813	.42	-2.00	-100.0	2.30	15.00	-1.00	9.4
25814	2.80	25.00	330.0	3.50	88.00	16.00	51.0
25815	.62	-2.00	220.0	-2.00	59.00	8.30	45.0
25816	.82	3.70	380.0	2.90	120.00	24.00	49.0
25817	2.90	10.00	430.0	-2.00	58.00	27.00	46.0
25818	.50	2.70	340.0	-2.00	60.00	19.00	58.0
25819	2.10	42.00	270.0	-2.00	42.00	50.00	63.0
25820	.21	-2.00	310.0	-2.00	42.00	13.00	320.0
25821	1.70	27.00	410.0	-2.00	37.00	67.00	47.0
25822	18.00	49.00	390.0	-2.00	57.00	6.70	210.0
25823	3.30	22.00	-100.0	-2.00	19.00	4.80	786.0
25824	3.30	3.40	340.0	-2.00	50.00	26.00	89.0
25825	1.80	8.50	140.0	2.80	271.00	7.10	110.0
25826	11.00	2.10	360.0	3.30	180.00	9.00	230.0
25827	1.90	3.80	-100.0	14.00	59.00	2.50	200.0
25828	1.80	4.30	140.0	-2.00	40.00	3.10	260.0
25829	1.70	4.60	250.0	-2.00	120.00	15.00	86.0
25830	2.20	21.00	620.0	-2.00	100.00	3.20	140.0
25831	3.70	15.00	460.0	-2.00	78.00	4.20	220.0
25832	4.00	4.70	170.0	6.50	49.00	3.30	140.0
25833	11.00	2.80	230.0	3.00	54.00	8.10	130.0
25834	3.70	-2.00	160.0	2.80	20.00	4.60	170.0
25835	6.80	3.10	-100.0	2.90	14.00	1.80	140.0
25836	20.00	20.00	670.0	10.00	100.00	1.30	460.0
25837	3.10	-2.00	870.0	5.10	6.90	9.20	52.0
25838	5.40	20.00	380.0	5.60	66.00	9.40	70.0
25839	2.00	-2.00	-100.0	2.40	-2.00	-1.00	27.0
25840	-.20	-2.00	310.0	-2.00	45.00	12.00	320.0
25841	52.80	1560.00	-100.0	10.00	-2.00	-1.00	37.0
25842	86.90	2000.00	-100.0	12.00	24.00	-1.00	25.0
25843	161.00	2830.00	-100.0	11.00	-2.00	-1.00	50.0
25844	71.70	170.00	790.0	7.90	75.00	-1.00	12.0
25845	18.00	386.00	-100.0	9.50	7.80	-1.00	8.1
25846	65.10	180.00	290.0	3.30	29.00	7.50	52.0
25847	1.20	4.80	-100.0	3.70	-2.00	-1.00	27.0
25848	5.40	20.00	380.0	16.00	86.00	10.00	80.0
25849	4.90	69.00	290.0	7.80	56.00	11.00	130.0
25850	5.10	22.00	300.0	6.70	61.00	11.00	89.0

25851	1.20	5.80	520.0	16.00	37.00	1.30	45.0
25852	1.40	7.80	150.0	18.00	27.00	1.50	53.0
25853	18.00	12.00	500.0	11.00	79.00	8.70	94.0
25854	3.80	7.70	280.0	19.00	56.00	7.50	44.0
25855	1.30	3.60	480.0	6.80	56.00	11.00	56.0
25856	5.90	100.00	260.0	20.00	110.00	11.00	53.0
25857	2.40	43.00	200.0	15.00	49.00	6.70	55.0
25858	1.30	2.50	260.0	4.40	41.00	7.20	35.0
25859	1.40	-2.00	360.0	4.70	60.00	10.00	54.0
25860	1.90	212.00	280.0	-2.00	20.00	1.80	38.0
25861	.92	-2.00	340.0	3.90	41.00	12.00	49.0
25862	1.10	-2.00	140.0	5.50	36.00	9.50	27.0
25863	1.30	-2.00	150.0	5.90	10.00	5.30	49.0
25864	1.90	-2.00	340.0	6.40	46.00	11.00	53.0
25865	1.40	-2.00	160.0	2.80	30.00	4.50	42.0
25874	2.20	-2.00	390.0	3.40	21.00	8.70	49.0
25875	1.10	-2.00	420.0	8.60	31.00	5.80	51.0
25876	.94	-2.00	400.0	3.40	40.00	11.00	51.0
25877	1.80	-2.00	370.0	3.90	64.00	10.00	60.0
25878	.78	-2.00	400.0	7.60	22.00	11.00	51.0
25879	.61	-2.00	-100.0	4.60	49.00	1.70	31.0
25880	2.00	209.00	320.0	-2.00	18.00	-1.00	36.0
25881	.49	-2.00	-100.0	6.30	23.00	-1.00	8.3
25882	1.50	-2.00	330.0	10.00	75.00	5.60	46.0
25883	.83	-2.00	120.0	15.00	39.00	2.40	18.0
25884	.88	3.00	410.0	4.80	92.00	5.80	48.0
25885	.34	-2.00	-100.0	-2.00	16.00	-1.00	7.5
25886	.45	-2.00	-100.0	2.10	14.00	-1.00	30.0
25887	.43	-2.00	-100.0	3.60	14.00	-1.00	8.5
25888	.52	-2.00	-100.0	-2.00	6.50	-1.00	29.0
25889	.72	-2.00	100.0	9.20	31.00	2.40	38.0
25890	.91	-2.00	-100.0	5.40	21.00	1.50	13.0
25891	.95	-2.00	150.0	4.50	23.00	2.10	42.0
25892	1.70	-2.00	340.0	4.60	8.00	5.40	41.0
25893	1.40	-2.00	200.0	5.00	11.00	5.40	40.0
25894	1.90	3.60	410.0	13.00	46.00	10.00	100.0
25895	3.00	5.40	460.0	12.00	419.00	4.60	64.0
25896	5.60	24.00	240.0	27.00	37.00	2.60	250.0
25897	3.40	14.00	-100.0	25.00	15.00	-1.00	629.0
25898	2.70	43.00	220.0	79.00	16.00	1.50	410.0
25899	4.70	82.00	110.0	140.00	10.00	2.40	575.0
25900	-.20	-2.00	390.0	-2.00	45.00	12.00	330.0
25901	10.00	72.00	1100.0	3.50	59.00	3.50	230.0
25902	3.70	21.00	290.0	4.00	49.00	1.40	120.0
25903	10.00	43.00	290.0	84.00	18.00	1.70	200.0
25904	5.90	110.00	-100.0	100.00	9.00	1.70	957.0
25905	9.30	67.00	-100.0	99.00	27.00	2.60	440.0
25906	11.00	42.00	280.0	37.00	22.00	4.60	95.0
25907	22.60	66.00	110.0	73.00	140.00	-1.00	120.0
25908	4.20	13.00	-100.0	27.00	3.60	-1.00	19.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
25601	1.70	3.90	8.0	7.70	-20.0	3.300	64.40
25602	-1.00	-.50	-5.0	6.50	-20.0	.490	8.90
25603	-1.00	-.50	-5.0	6.40	-20.0	.540	9.40
25604	-1.00	-.50	-5.0	5.40	-20.0	.410	8.10
25605	1.10	1.10	-5.0	8.60	-20.0	1.000	37.00
25606	-1.00	1.60	-5.0	8.10	-20.0	.540	51.10
25607	-1.00	-.50	-5.0	6.40	-20.0	.510	17.00
25608	-1.00	2.00	-5.0	9.00	-20.0	.540	65.80
25609	-1.00	.53	-5.0	5.60	-20.0	.350	22.00
25610	13.00	2.00	-5.0	6.80	-20.0	10.800	51.60
25611	6.60	3.40	-5.0	11.00	-20.0	9.510	79.80
25612	1.90	2.30	8.6	7.50	-20.0	6.250	65.10
25613	56.00	4.80	-5.0	13.00	-20.0	10.300	73.90

25614	73.00	6.20	-5.0	12.00	-20.0	10.900	85.80
25615	40.00	5.30	-5.0	12.00	-20.0	11.400	84.20
25616	14.00	4.50	-5.0	12.00	-20.0	18.300	59.80
25617	45.00	4.20	-5.0	12.00	-20.0	16.600	108.00
25618	112.00	3.00	-5.0	14.00	-20.0	14.200	88.50
25619	59.00	6.20	-5.0	11.00	-20.0	14.200	101.00
25620	14.00	1.00	230.0	2.10	-20.0	4.800	15.00
25621	58.00	1.90	-5.0	10.00	-20.0	19.000	59.50
25622	1.10	1.10	-5.0	6.40	-20.0	3.700	42.00
25623	-1.00	.87	-5.0	7.70	-20.0	1.800	41.00
25624	1.10	1.20	-5.0	9.30	-20.0	1.000	49.00
25625	-1.00	1.40	-5.0	7.00	-20.0	.870	57.80
25626	-1.00	1.10	-5.0	8.00	-20.0	3.200	50.30
25627	1.20	.92	-5.0	5.40	-20.0	.830	30.00
25628	51.00	2.50	-5.0	13.00	-20.0	13.800	78.50
25629	19.00	3.60	-5.0	14.00	-20.0	12.000	93.90
25630	65.00	3.10	-5.0	11.00	-20.0	7.700	70.80
25631	46.00	4.20	-5.0	11.00	-20.0	9.650	84.10
25632	56.00	3.50	-5.0	10.00	-20.0	10.600	115.00
25633	27.00	4.90	-5.0	12.00	-20.0	8.850	104.00
25634	40.00	3.50	-5.0	11.00	-20.0	8.780	75.10
25635	16.00	1.70	-5.0	8.90	-20.0	11.800	54.00
25636	1.10	1.10	-5.0	8.50	-20.0	4.000	40.00
25637	-1.00	-.50	-5.0	5.90	-20.0	.760	40.00
25638	1.00	1.10	-5.0	7.70	-20.0	1.000	48.00
25639	67.00	.92	-5.0	7.70	-20.0	2.600	58.60
25640	16.00	.77	240.0	2.70	-20.0	4.700	15.00
25641	124.00	2.40	-5.0	7.40	-20.0	12.500	35.00
25642	7.30	1.20	-5.0	7.70	-20.0	9.690	29.00
25643	106.00	-.50	-5.0	6.70	-20.0	2.500	39.00
25644	14.00	2.20	-5.0	7.40	-20.0	16.600	52.40
25645	6.10	2.00	-5.0	8.60	-20.0	9.560	47.00
25646	22.00	1.50	-5.0	8.20	-20.0	11.100	29.00
25647	79.00	1.80	-5.0	9.00	-20.0	11.200	30.00
25648	94.00	1.30	-5.0	8.50	-20.0	12.300	27.00
25649	8.80	3.50	-5.0	7.50	-20.0	11.100	57.30
25650	11.00	1.70	-5.0	10.00	-20.0	13.000	34.00
25651	4.00	1.50	16.0	8.00	-20.0	12.400	31.00
25652	16.00	.85	-5.0	10.00	-20.0	16.500	13.00
25653	4.00	.74	-5.0	8.40	-20.0	13.500	10.00
25654	212.00	1.60	-5.0	10.00	-20.0	12.500	23.00
25655	10.00	2.20	-5.0	10.00	-20.0	11.600	47.00
25656	6.90	2.00	-5.0	11.00	-20.0	8.500	57.50
25657	10.00	2.70	-5.0	5.80	-20.0	16.900	40.00
25658	6.80	2.30	-5.0	10.00	-20.0	11.200	54.40
25659	28.00	1.60	-5.0	8.10	-20.0	13.800	29.00
25660	22.00	1.00	56.0	8.80	-20.0	4.300	36.00
25661	19.00	1.50	-5.0	7.30	-20.0	12.600	27.00
25662	33.00	1.60	-5.0	7.40	-20.0	12.300	32.00
25663	17.00	1.90	-5.0	9.30	-20.0	8.350	38.00
25664	12.00	2.50	-5.0	7.40	-20.0	17.700	22.00
25665	8.90	2.10	-5.0	7.10	-20.0	12.300	30.00
25666	18.00	1.80	-5.0	8.40	-20.0	11.700	32.00
25667	2.00	1.10	-5.0	6.90	-20.0	18.600	19.00
25668	19.00	1.80	-5.0	8.30	-20.0	10.200	34.00
25669	3.00	2.30	-5.0	11.00	-20.0	6.960	46.00
25670	14.00	2.30	-5.0	5.90	-20.0	23.100	23.00
25671	4.10	3.40	26.0	11.00	-20.0	7.290	65.40
25672	11.00	4.60	-5.0	9.10	-20.0	11.600	67.60
25673	131.00	6.20	-5.0	10.00	-20.0	14.200	75.50
25674	9.30	1.90	-5.0	8.70	-20.0	7.690	38.00
25675	4.90	2.20	-5.0	10.00	-20.0	5.360	46.00
25676	10.00	2.00	-5.0	9.30	-20.0	5.950	42.00
25677	12.00	2.40	7.1	8.50	-20.0	4.200	43.00
25678	50.00	1.50	-5.0	6.30	-20.0	3.400	22.00
25679	-1.00	1.10	-5.0	6.90	-20.0	.660	36.00

25680	23.00	1.20	57.0	8.50	-20.0	4.200	36.00
25681	-1.00	-.50	-5.0	3.90	-20.0	.510	2.50
25682	-1.00	-.50	-5.0	5.10	-20.0	.450	8.60
25683	-1.00	.90	-5.0	8.20	-20.0	.820	31.00
25684	-1.00	.59	-5.0	6.70	-20.0	1.200	19.00
25685	-1.00	1.10	-5.0	9.00	-20.0	.590	47.00
25686	1.10	1.50	18.0	7.20	-20.0	.700	67.40
25687	-1.00	.76	-5.0	5.90	-20.0	.420	27.00
25688	-1.00	.78	-5.0	6.80	-20.0	.660	20.00
25689	-1.00	1.50	-5.0	8.60	-20.0	.690	50.40
25690	-1.00	1.20	-5.0	8.20	-20.0	.510	38.00
25691	-1.00	1.10	-5.0	8.40	-20.0	.490	35.00
25692	-1.00	1.00	-5.0	8.20	-20.0	.530	36.00
25693	-1.00	-.50	-5.0	6.80	-20.0	.630	5.80
25694	-1.00	-.50	-5.0	5.30	-20.0	.680	8.70
25695	2.30	.53	-5.0	8.50	-20.0	.410	13.00
25696	1.70	1.60	-5.0	10.00	-20.0	.560	47.00
25697	-1.00	-.50	-5.0	7.10	-20.0	.430	6.00
25698	-1.00	-.50	-5.0	8.10	-20.0	.430	7.00
25699	-1.00	-.50	-5.0	8.10	-20.0	.400	6.10
25700	16.00	1.10	260.0	2.60	-20.0	4.600	15.00
25701	-1.00	.75	-5.0	6.70	-20.0	.590	33.00
25702	1.60	7.20	-5.0	14.00	-20.0	.510	124.00
25703	-1.00	1.00	-5.0	6.90	-20.0	.700	38.00
25704	-1.00	1.30	-5.0	7.80	-20.0	.840	46.00
25705	-1.00	.72	-5.0	5.10	-20.0	.640	17.00
25706	11.00	4.90	-5.0	12.00	-20.0	1.400	79.60
25707	31.00	5.90	-5.0	13.00	-20.0	1.700	109.00
25708	12.00	5.20	-5.0	10.00	-20.0	1.900	74.20
25709	171.00	5.10	-5.0	9.50	-20.0	3.300	62.50
25710	4.90	4.90	-5.0	10.00	-20.0	1.000	69.70
25711	38.00	4.20	-5.0	11.00	-20.0	13.900	57.70
25712	12.00	7.50	-5.0	12.00	-20.0	8.280	122.00
25713	40.00	6.80	-5.0	15.00	-20.0	6.190	111.00
25714	-1.00	1.30	-5.0	8.10	-20.0	1.100	57.50
25715	-1.00	1.00	-5.0	6.90	-20.0	.940	50.00
25716	139.00	4.40	-5.0	12.00	-20.0	2.900	78.40
25717	119.00	4.90	-5.0	13.00	-20.0	2.200	89.50
25718	31.00	4.20	-5.0	10.00	-20.0	1.500	77.90
25719	-1.00	-.50	-5.0	4.60	-20.0	.380	4.00
25720	23.00	.91	71.0	8.60	-20.0	4.200	36.00
25721	-1.00	-.50	-5.0	4.20	-20.0	.250	3.60
25722	-1.00	.85	-5.0	5.80	-20.0	.470	49.00
25723	24.00	1.90	-5.0	6.20	-20.0	4.900	25.00
25724	10.00	1.00	-5.0	5.70	-20.0	.780	20.00
25725	42.00	-.50	-5.0	-1.00	-20.0	32.600	2.70
25726	65.00	2.40	17.0	5.20	-20.0	4.400	30.00
25727	22.00	1.30	-5.0	6.20	-20.0	6.530	27.00
25728	3.60	1.80	-5.0	6.10	-20.0	2.100	32.00
25729	10.00	3.70	-5.0	7.60	-20.0	1.700	66.50
25730	204.00	1.40	-5.0	4.90	-20.0	5.910	28.00
25731	45.00	1.60	-5.0	4.50	-20.0	3.000	29.00
25732	8.70	1.00	6.1	4.30	-20.0	1.200	29.00
25733	2.30	1.40	11.0	3.40	-20.0	.580	29.00
25734	18.00	2.40	-5.0	6.30	-20.0	4.700	32.00
25735	1.50	1.40	-5.0	6.30	-20.0	.800	25.00
25736	2.90	4.40	-5.0	8.30	-20.0	2.900	42.00
25737	2.20	3.70	-5.0	6.80	-20.0	1.500	85.70
25738	-1.00	4.10	10.0	7.10	-20.0	.570	69.30
25739	4.80	2.30	-5.0	6.60	-20.0	7.700	33.00
25740	16.00	.73	39.0	5.90	-20.0	3.000	26.00
25741	1.60	1.00	-5.0	7.20	-20.0	2.200	19.00
25742	45.00	1.40	7.7	5.70	-20.0	4.000	39.00
25743	2.30	1.90	-5.0	6.30	-20.0	2.600	30.00
25744	3.10	3.10	-5.0	8.00	-20.0	4.200	45.00
25745	15.00	1.50	-5.0	7.70	-20.0	7.800	20.00

25746	6.50	1.30	-5.0	7.50	-20.0	4.500	26.00
25747	43.00	.94	-5.0	5.20	-20.0	12.400	16.00
25748	14.00	1.20	-5.0	6.20	-20.0	7.020	21.00
25749	56.00	1.50	-5.0	5.20	-20.0	16.100	21.00
25750	15.00	3.30	-5.0	7.70	-20.0	6.250	22.00
25751	2.20	1.90	-5.0	7.80	-20.0	9.420	31.00
25752	5.60	1.20	-5.0	5.20	-20.0	6.170	28.00
25753	3.50	1.80	-5.0	6.50	-20.0	8.130	30.00
25754	14.00	1.40	-5.0	6.30	-20.0	8.640	23.00
25755	82.00	2.40	41.0	3.40	-20.0	13.700	22.00
25756	11.00	.66	37.0	4.30	-20.0	8.610	19.00
25757	9.20	1.60	-5.0	4.90	-20.0	6.650	28.00
25758	24.00	2.00	-5.0	6.00	-20.0	8.510	24.00
25759	-1.00	-.50	-5.0	5.00	-20.0	.600	36.00
25760	11.00	.66	160.0	1.80	-20.0	3.200	10.00
25761	5.20	-.50	-5.0	2.80	-20.0	12.300	7.20
25762	4.10	-.50	-5.0	2.90	-20.0	18.300	11.00
25763	1.20	-.50	-5.0	7.20	-20.0	5.110	11.00
25764	20.00	-.50	20.0	-1.00	-20.0	1.800	.77
25765	12.00	-.50	-5.0	2.90	-20.0	10.400	11.00
25766	28.00	.86	-5.0	1.00	-20.0	19.300	7.40
25767	-1.00	1.60	14.0	-1.00	-20.0	3.700	35.00
25768	1.90	.61	-5.0	4.80	-20.0	3.100	22.00
25769	-1.00	1.00	-5.0	4.90	-20.0	.580	38.00
25770	-1.00	.60	5.2	3.60	-20.0	.880	23.00
25771	1.20	.66	-5.0	4.60	-20.0	2.600	24.00
25772	2.90	.75	-5.0	4.80	-20.0	3.300	26.00
25773	-1.00	.79	-5.0	6.00	-20.0	.430	30.00
25774	1.20	.93	-5.0	4.70	-20.0	.470	28.00
25775	-1.00	.76	-5.0	5.00	-20.0	.490	27.00
25776	-1.00	-.50	-5.0	1.70	-20.0	.400	3.50
25777	-1.00	.72	-5.0	4.40	-20.0	.420	22.00
25778	-1.00	-.50	-5.0	5.40	-20.0	.290	14.00
25779	-1.00	-.50	-5.0	3.70	-20.0	.540	10.00
25780	16.00	.67	47.0	5.90	-20.0	2.900	25.00
25781	-1.00	1.00	-5.0	11.00	-20.0	.550	34.00
25782	-1.00	-.50	-5.0	8.50	-20.0	.610	13.00
25783	-1.00	-.50	-5.0	7.80	-20.0	.410	14.00
25784	1.50	1.00	-5.0	5.00	-20.0	.570	33.00
25785	-1.00	.72	-5.0	6.80	-20.0	.420	28.00
25786	-1.00	-.50	-5.0	5.20	-20.0	.360	10.00
25787	-1.00	.94	-5.0	6.80	-20.0	.390	28.00
25788	-1.00	.81	-5.0	6.80	-20.0	.360	28.00
25789	-1.00	1.00	-5.0	5.00	-20.0	.360	32.00
25790	-1.00	1.40	-5.0	6.20	-20.0	.370	38.00
25791	-1.00	.80	-5.0	5.80	-20.0	.320	30.00
25792	-1.00	.68	-5.0	8.90	-20.0	.220	22.00
25793	-1.00	-.50	-5.0	6.70	-20.0	.210	14.00
25794	-1.00	1.10	-5.0	5.30	-20.0	.500	42.00
25795	-1.00	-.50	-5.0	5.50	-20.0	.280	13.00
25796	-1.00	1.40	-5.0	6.00	-20.0	.360	34.00
25797	-1.00	.79	-5.0	4.20	-20.0	1.100	30.00
25798	48.00	3.40	-5.0	8.40	-20.0	3.600	54.30
25799	6.70	2.60	-5.0	5.40	-20.0	1.500	34.00
25800	12.00	.63	170.0	1.80	-20.0	3.200	10.00
25801	6.30	1.30	-5.0	7.70	-20.0	2.300	57.80
25802	-1.00	1.20	-5.0	6.70	-20.0	.550	44.00
25803	-1.00	.69	-5.0	4.40	-20.0	.570	28.00
25804	-1.00	.82	-5.0	5.00	-20.0	.320	33.00
25805	-1.00	-.50	-5.0	4.30	-20.0	.180	21.00
25806	-1.00	-.50	-5.0	3.50	-20.0	.250	17.00
25807	-1.00	.84	-5.0	7.20	-20.0	.380	43.00
25808	-1.00	-.50	-5.0	5.10	-20.0	.350	18.00
25809	-1.00	.56	-5.0	6.70	-20.0	.340	33.00
25810	-1.00	-.50	-5.0	2.80	-20.0	.220	7.50
25811	-1.00	-.50	-5.0	9.20	-20.0	.290	20.00

25812	-1.00	-.50	-5.0	4.50	-20.0	.250	10.00
25813	-1.00	-.50	-5.0	5.30	-20.0	.470	8.50
25814	13.00	.79	-5.0	5.70	-20.0	1.500	47.00
25815	2.30	.75	-5.0	8.60	-20.0	1.200	31.00
25816	1.00	.75	-5.0	10.00	-20.0	.640	60.80
25817	4.10	.89	-5.0	5.00	-20.0	1.200	32.00
25818	-1.00	1.10	-5.0	5.10	-20.0	.510	33.00
25819	10.00	.72	-5.0	4.00	-20.0	1.400	23.00
25820	15.00	-.50	56.0	6.10	-20.0	2.900	25.00
25821	27.00	1.10	-5.0	2.80	-20.0	2.100	21.00
25822	68.00	2.00	-5.0	4.60	-20.0	3.300	31.00
25823	97.00	.81	-5.0	2.60	-20.0	6.560	10.00
25824	2.60	1.30	-5.0	4.20	-20.0	1.000	19.00
25825	15.00	7.10	-5.0	7.30	-20.0	2.300	124.00
25826	4.00	3.00	-5.0	8.10	-20.0	.450	107.00
25827	2.30	1.90	-5.0	6.40	-20.0	2.900	23.00
25828	17.00	2.20	-5.0	2.50	-20.0	3.200	22.00
25829	45.00	3.30	-5.0	4.50	-20.0	2.700	60.20
25830	87.00	5.20	-5.0	4.30	-20.0	7.080	49.00
25831	37.00	4.10	-5.0	5.80	-20.0	5.250	42.00
25832	12.00	1.90	-5.0	5.90	-20.0	3.700	25.00
25833	15.00	1.60	-5.0	5.60	-20.0	2.600	30.00
25834	31.00	.64	-5.0	6.00	-20.0	5.260	13.00
25835	5.30	.63	-5.0	5.60	-20.0	5.550	7.40
25836	1.60	2.70	-5.0	6.70	-20.0	.140	59.70
25837	-1.00	-.50	-5.0	5.40	-20.0	.510	4.00
25838	-1.00	.62	-5.0	7.20	-20.0	.450	40.00
25839	-1.00	-.50	-5.0	-1.00	-20.0	.270	.81
25840	16.00	.79	130.0	5.90	-20.0	3.000	25.00
25841	6.20	-.50	-5.0	-1.00	-20.0	34.200	2.30
25842	8.40	-.50	-5.0	-1.00	-20.0	28.000	1.10
25843	-1.00	-.50	-5.0	-1.00	-20.0	35.900	1.70
25844	14.00	-.50	5.3	-1.00	-20.0	6.590	2.90
25845	1.60	-.50	-5.0	-1.00	-20.0	12.900	.67
25846	2.60	-.50	5.8	3.20	-20.0	8.400	18.00
25847	-1.00	-.50	-5.0	-1.00	-20.0	.660	-.50
25848	-1.00	1.50	9.2	4.50	-20.0	1.500	53.10
25849	-1.00	1.00	-5.0	4.60	-20.0	1.900	50.00
25850	-1.00	1.00	5.0	5.90	-20.0	1.400	36.00
25851	3.50	-.50	-5.0	4.30	-20.0	2.100	20.00
25852	5.80	-.50	-5.0	4.10	-20.0	4.200	16.00
25853	-1.00	1.90	11.0	4.00	-20.0	1.800	33.00
25854	-1.00	.92	-5.0	6.30	-20.0	.520	30.00
25855	-1.00	1.00	-5.0	6.20	-20.0	.500	34.00
25856	-1.00	1.30	11.0	6.20	-20.0	2.200	68.00
25857	-1.00	.73	-5.0	5.90	-20.0	2.300	27.00
25858	-1.00	.72	-5.0	5.20	-20.0	.410	22.00
25859	-1.00	1.10	-5.0	6.30	-20.0	.480	35.00
25860	11.00	.70	160.0	1.70	-20.0	3.300	10.00
25861	1.10	-.50	-5.0	4.40	-20.0	.480	23.00
25862	-1.00	-.50	-5.0	4.40	-20.0	.270	22.00
25863	-1.00	-.50	-5.0	3.10	-20.0	.390	5.70
25864	-1.00	.80	-5.0	4.60	-20.0	.500	26.00
25865	-1.00	.50	-5.0	6.60	-20.0	.270	17.00
25874	-1.00	-.50	-5.0	5.30	-20.0	.350	12.00
25875	-1.00	-.50	-5.0	7.50	-20.0	.490	18.00
25876	-1.00	.52	-5.0	5.20	-20.0	.450	22.00
25877	-1.00	.83	-5.0	5.60	-20.0	.380	36.00
25878	-1.00	-.50	-5.0	6.50	-20.0	.510	12.00
25879	-1.00	-.50	-5.0	8.40	-20.0	.240	28.00
25880	10.00	.60	200.0	1.80	-20.0	3.200	10.00
25881	-1.00	-.50	-5.0	3.70	-20.0	.400	14.00
25882	-1.00	1.00	-5.0	8.90	-20.0	.490	43.00
25883	-1.00	-.50	-5.0	5.00	-20.0	.430	24.00
25884	-1.00	.92	-5.0	7.30	-20.0	.370	57.40
25885	-1.00	-.50	-5.0	1.50	-20.0	.440	9.50

25886	-1.00	-.50	-5.0	4.30	-20.0	.250	8.50
25887	-1.00	-.50	-5.0	3.30	-20.0	.350	9.00
25888	-1.00	-.50	-5.0	2.10	-20.0	.270	3.90
25889	-1.00	-.50	-5.0	5.60	-20.0	.330	19.00
25890	-1.00	-.50	-5.0	4.20	-20.0	.320	13.00
25891	-1.00	-.50	-5.0	4.20	-20.0	.570	15.00
25892	-1.00	-.50	-5.0	4.90	-20.0	.500	4.20
25893	-1.00	-.50	-5.0	7.00	-20.0	.510	6.60
25894	-1.00	-.50	-5.0	6.00	-20.0	1.200	28.00
25895	-1.00	5.90	-5.0	4.80	-20.0	.900	284.00
25896	11.00	1.00	-5.0	5.30	-20.0	5.960	22.00
25897	13.00	-.50	-5.0	7.70	-20.0	6.900	3.90
25898	17.00	-.50	-5.0	5.30	-20.0	8.820	4.40
25899	12.00	-.50	-5.0	5.50	-20.0	10.100	4.80
25900	16.00	.68	41.0	6.10	-20.0	3.000	26.00
25901	44.00	1.90	-5.0	3.80	-20.0	6.480	32.00
25902	46.00	.88	-5.0	3.10	-20.0	5.990	8.90
25903	17.00	.62	-5.0	5.50	-20.0	6.210	7.30
25904	20.00	-.50	-5.0	4.60	-20.0	10.400	4.10
25905	36.00	.86	-5.0	6.00	-20.0	11.800	7.40
25906	1.50	1.60	-5.0	6.20	-20.0	3.200	15.00
25907	-1.00	1.10	-5.0	5.50	-20.0	3.600	87.10
25908	-1.00	-.50	-5.0	1.70	-20.0	2.000	2.30

S#	Lu	Mo	K	Rb	Sm	Sc	Se
25601	.88	-5.0	2.200	130.0	18.00	26.20	-5.0
25602	.25	-5.0	-.200	-20.0	1.80	.86	-5.0
25603	.25	-5.0	-.200	-20.0	1.90	.91	-5.0
25604	.24	-5.0	-.200	-20.0	1.60	.87	-5.0
25605	.71	-5.0	2.500	130.0	7.00	10.00	-5.0
25606	.70	-5.0	1.300	73.0	10.00	5.10	-5.0
25607	.35	-5.0	.390	-20.0	3.30	2.00	-5.0
25608	1.00	-5.0	4.700	210.0	13.00	18.70	-5.0
25609	.33	-5.0	.700	32.0	3.80	2.40	-5.0
25610	.57	-5.0	2.700	200.0	8.60	15.00	-5.0
25611	.50	-5.0	2.000	180.0	14.00	28.50	-5.0
25612	.65	-5.0	3.800	210.0	13.00	17.70	-5.0
25613	.54	-5.0	-.200	-20.0	16.00	52.00	-5.0
25614	.59	-5.0	-.200	-20.0	21.70	36.00	-5.0
25615	.65	-5.0	-.200	-20.0	19.00	32.80	-5.0
25616	.57	-5.0	.670	90.0	14.00	33.80	-5.0
25617	.55	-5.0	.310	47.0	18.00	45.90	-5.0
25618	.61	-5.0	.560	61.0	11.00	41.40	-5.0
25619	.66	-5.0	.890	77.0	24.80	31.90	-5.0
25620	.42	-5.0	1.600	57.0	4.40	13.50	-5.0
25621	.44	-5.0	.220	45.0	7.90	30.90	-5.0
25622	.53	-5.0	2.000	140.0	7.50	10.00	-5.0
25623	.73	-5.0	3.500	190.0	8.10	14.20	-5.0
25624	.75	-5.0	3.300	200.0	8.70	11.80	-5.0
25625	.75	-5.0	3.700	220.0	11.00	16.30	-5.0
25626	.56	-5.0	2.000	120.0	8.20	10.00	-5.0
25627	.29	-5.0	.560	40.0	5.00	4.80	-5.0
25628	.56	-5.0	-.200	22.0	10.00	37.00	-5.0
25629	.60	-5.0	-.200	-20.0	15.00	64.10	-5.0
25630	.55	-5.0	.250	30.0	12.00	30.40	-5.0
25631	.71	-5.0	1.200	120.0	16.00	31.60	-5.0
25632	.51	-5.0	.360	45.0	15.00	36.70	-5.0
25633	1.10	-10.0	.650	77.0	20.90	29.00	-5.0
25634	.51	-5.0	1.700	130.0	13.00	25.70	-5.0
25635	.56	-5.0	1.300	110.0	8.10	29.90	-5.0
25636	.73	-5.0	3.500	210.0	7.90	13.90	-5.0
25637	1.70	-16.0	2.800	430.0	6.00	5.30	-5.0
25638	.66	-5.0	3.200	180.0	8.20	11.00	-5.0
25639	.82	-5.0	4.100	260.0	9.10	15.70	-5.0
25640	.35	-5.0	2.100	40.0	4.30	13.20	-5.0

25641	.63	-5.0	1.800	140.0	10.00	45.40	-5.0
25642	.54	-5.0	.420	59.0	6.10	23.80	-5.0
25643	1.70	-22.0	2.200	500.0	7.80	12.20	-5.0
25644	1.00	-27.0	1.000	180.0	11.00	34.50	-5.0
25645	.59	-5.0	.710	87.0	10.00	19.50	-5.0
25646	.65	-5.0	-.200	49.0	7.00	28.70	-5.0
25647	.72	-12.0	.690	86.0	7.70	41.90	-5.0
25648	.57	-5.0	.530	71.0	6.30	28.20	-5.0
25649	.53	-5.0	.940	130.0	15.00	31.90	-5.0
25650	.69	-5.0	.430	75.0	8.40	42.80	-5.0
25651	.61	-5.0	1.800	200.0	7.40	35.80	-5.0
25652	.56	-5.0	.600	65.0	3.30	47.40	-5.0
25653	.52	-5.0	.560	71.0	3.90	51.70	-5.0
25654	.72	-5.0	.920	78.0	6.60	40.30	-5.0
25655	.81	-5.0	2.200	140.0	12.00	26.90	-5.0
25656	.82	-5.0	2.000	130.0	11.00	25.30	-5.0
25657	.64	-5.0	1.000	110.0	12.00	40.90	-5.0
25658	.84	-5.0	2.200	160.0	12.00	26.30	-5.0
25659	.56	-5.0	.640	100.0	6.80	31.00	-5.0
25660	.47	-5.0	2.200	200.0	7.60	11.80	-5.0
25661	.67	-5.0	1.400	150.0	6.50	41.20	-5.0
25662	.63	-5.0	1.800	170.0	7.30	41.20	-5.0
25663	.63	-5.0	.780	70.0	8.50	28.40	-5.0
25664	.77	-5.0	.910	100.0	9.30	47.30	-5.0
25665	.67	-5.0	1.900	140.0	8.90	36.40	-5.0
25666	.60	-5.0	.870	100.0	8.00	30.00	-5.0
25667	.47	-5.0	1.000	110.0	4.30	31.60	-5.0
25668	.61	-5.0	1.200	78.0	9.00	34.90	-5.0
25669	.77	-5.0	.460	40.0	11.00	42.10	-5.0
25670	.53	-5.0	.940	140.0	7.70	37.60	-5.0
25671	.92	-5.0	2.600	260.0	17.00	33.20	-5.0
25672	1.00	-5.0	1.400	130.0	19.00	40.60	-5.0
25673	1.30	-5.0	.410	28.0	25.20	38.70	-5.0
25674	.58	-5.0	.760	78.0	8.80	23.60	-5.0
25675	.66	-5.0	.910	91.0	10.00	25.70	-5.0
25676	.58	-5.0	.940	92.0	9.40	24.30	-5.0
25677	.73	-5.0	1.600	130.0	10.00	33.90	-5.0
25678	.55	-10.0	2.400	170.0	6.30	23.00	-5.0
25679	.61	-5.0	2.700	140.0	6.30	10.40	-5.0
25680	.44	-5.0	1.600	200.0	7.60	11.70	-5.0
25681	-.20	-5.0	-.200	-20.0	.62	.65	-5.0
25682	.31	-5.0	.900	47.0	1.80	3.10	-5.0
25683	.59	-5.0	3.000	110.0	5.80	7.80	-5.0
25684	.57	-5.0	4.400	180.0	4.00	16.00	-5.0
25685	.53	-5.0	.840	44.0	8.00	3.40	-5.0
25686	.83	-5.0	4.400	220.0	11.00	15.50	-5.0
25687	.45	-5.0	1.200	67.0	4.90	5.20	-5.0
25688	.58	-5.0	1.500	78.0	4.50	6.20	-5.0
25689	.93	-5.0	4.000	210.0	10.00	15.90	-5.0
25690	.71	-5.0	2.500	140.0	7.80	10.40	-5.0
25691	.70	-5.0	1.300	77.0	6.60	6.00	-5.0
25692	.68	-5.0	2.300	130.0	7.40	9.10	-5.0
25693	.30	-5.0	-.200	-20.0	1.20	1.00	-5.0
25694	.28	-5.0	.470	27.0	1.70	2.50	-5.0
25695	.46	-5.0	.710	36.0	2.70	3.50	-5.0
25696	.89	-5.0	3.700	200.0	10.00	14.40	-5.0
25697	.35	-5.0	.450	22.0	1.30	2.50	-5.0
25698	.36	-5.0	.380	25.0	1.50	2.30	-5.0
25699	.37	-5.0	.230	-20.0	1.40	1.90	-5.0
25700	.35	-5.0	1.900	50.0	4.40	13.20	-5.0
25701	.64	-5.0	2.700	150.0	6.50	10.70	-5.0
25702	.65	-5.0	2.000	310.0	28.10	30.30	-5.0
25703	.59	-5.0	2.900	180.0	7.00	10.40	-5.0
25704	.67	-5.0	3.200	200.0	8.50	12.50	-5.0
25705	.24	-5.0	.240	-20.0	3.30	3.00	-5.0
25706	.55	-5.0	1.100	120.0	18.00	29.70	-5.0

25707	.63	-5.0	1.300	83.0	22.60	28.80	-5.0
25708	.65	-5.0	1.600	100.0	17.00	28.00	-5.0
25709	.62	-5.0	.790	70.0	16.00	22.30	-5.0
25710	.48	-5.0	.450	41.0	17.00	18.00	-5.0
25711	.75	-5.0	1.800	140.0	14.00	29.70	-5.0
25712	.67	-5.0	-.200	26.0	27.90	29.90	-5.0
25713	.94	-5.0	.380	32.0	29.50	34.20	-5.0
25714	.83	-5.0	4.400	230.0	10.00	15.50	-5.0
25715	.69	-5.0	4.400	230.0	8.40	15.20	-5.0
25716	.47	-5.0	1.500	100.0	17.00	26.50	-5.0
25717	.59	-5.0	1.500	110.0	18.00	30.80	-5.0
25718	.55	-5.0	.210	30.0	16.00	26.00	-5.0
25719	.23	-5.0	-.200	-20.0	1.00	1.30	-5.0
25720	.40	-11.0	1.800	200.0	7.30	11.60	-5.0
25721	.23	-5.0	-.200	-20.0	.79	1.30	-5.0
25722	.52	-5.0	2.400	140.0	5.50	8.60	-5.0
25723	.45	-5.0	-.200	-20.0	7.10	31.90	-5.0
25724	.36	-5.0	1.300	97.0	3.90	14.20	-5.0
25725	-.20	-5.0	-.200	71.0	.62	2.00	-5.0
25726	.37	-5.0	1.900	160.0	9.10	32.00	-5.0
25727	.42	-5.0	.540	41.0	5.70	20.80	-5.0
25728	.48	-5.0	2.000	130.0	7.00	20.90	-5.0
25729	.53	-5.0	1.500	120.0	15.00	21.00	-5.0
25730	.41	-5.0	1.400	150.0	6.30	22.70	-5.0
25731	.70	-5.0	1.800	120.0	5.90	21.30	-5.0
25732	.39	-5.0	1.700	100.0	4.30	18.50	-5.0
25733	.38	-5.0	1.800	140.0	5.80	10.10	-5.0
25734	.44	-5.0	.910	98.0	8.70	22.90	-5.0
25735	.40	-5.0	1.600	130.0	6.20	14.10	-5.0
25736	.57	-10.0	.290	38.0	16.00	47.10	-5.0
25737	.56	-10.0	.760	58.0	15.00	38.00	-5.0
25738	.52	-5.0	3.100	290.0	15.00	21.30	-5.0
25739	.56	-5.0	.900	76.0	8.30	28.60	-5.0
25740	.30	-5.0	1.200	150.0	4.50	8.10	-5.0
25741	.49	-10.0	1.200	81.0	3.90	26.30	-5.0
25742	.49	-11.0	1.700	180.0	7.90	44.00	-5.0
25743	.45	-5.0	2.000	250.0	7.10	30.20	-5.0
25744	.60	-10.0	.300	40.0	15.00	43.30	-5.0
25745	.54	-5.0	.290	40.0	5.90	33.90	-5.0
25746	.58	-11.0	1.000	69.0	6.00	54.10	-5.0
25747	.42	-5.0	.790	83.0	4.00	24.70	-5.0
25748	.47	-5.0	1.500	100.0	4.90	36.50	-5.0
25749	.39	-5.0	-.200	47.0	5.50	28.90	-5.0
25750	.79	-5.0	-.200	25.0	11.00	37.10	-5.0
25751	.48	-11.0	-.200	45.0	6.50	46.50	-5.0
25752	.41	-5.0	.620	100.0	6.00	21.40	-5.0
25753	.52	-10.0	-.200	32.0	7.60	34.30	-5.0
25754	.49	-5.0	.770	72.0	5.90	32.90	-5.0
25755	.49	-11.0	1.000	160.0	7.30	17.80	-5.0
25756	.41	-10.0	.570	100.0	3.60	26.60	-5.0
25757	.37	-5.0	.220	38.0	6.30	33.80	-5.0
25758	.52	-5.0	-.200	55.0	6.90	25.50	-5.0
25759	.45	-5.0	2.300	120.0	3.30	9.00	-5.0
25760	.26	-5.0	1.100	29.0	2.70	9.20	-5.0
25761	-.20	-10.0	.310	40.0	1.50	3.10	-5.0
25762	.20	-13.0	-.200	40.0	2.10	9.10	-5.0
25763	.39	-5.0	.260	29.0	1.90	6.50	-5.0
25764	-.20	-5.0	-.200	-20.0	-.20	2.30	-5.0
25765	-.20	-11.0	-.200	25.0	1.60	3.90	-5.0
25766	-.20	-5.0	-.200	37.0	1.90	3.00	-5.0
25767	-.20	-10.0	.240	-20.0	2.70	3.40	-5.0
25768	.29	-5.0	-.200	-20.0	3.00	6.60	-5.0
25769	.53	-5.0	3.200	190.0	5.80	11.40	-5.0
25770	.36	-5.0	1.900	120.0	3.70	7.80	-5.0
25771	.35	-5.0	1.700	64.0	3.90	10.00	-5.0
25772	.33	-5.0	1.000	42.0	4.20	6.90	-5.0

25773	.41	-5.0	1.700	100.0	5.10	6.30	-5.0
25774	.46	-5.0	2.000	100.0	5.10	8.30	-5.0
25775	.49	-5.0	2.000	110.0	4.90	9.50	-5.0
25776	-.20	-5.0	-.200	-20.0	.68	.63	-5.0
25777	.41	-5.0	1.800	110.0	3.90	7.20	-5.0
25778	.35	-5.0	.900	49.0	2.60	4.10	-5.0
25779	.22	-5.0	.450	27.0	1.90	2.20	-5.0
25780	.30	-5.0	1.500	140.0	4.60	8.10	-5.0
25781	.63	-5.0	2.500	120.0	5.50	9.20	-5.0
25782	.25	-14.0	.230	-20.0	1.90	1.70	-5.0
25783	.26	-12.0	.320	23.0	2.10	2.00	-5.0
25784	.53	-11.0	2.600	150.0	5.70	10.90	-5.0
25785	.38	-14.0	1.600	90.0	4.30	6.60	-5.0
25786	-.20	-13.0	-.200	-20.0	1.60	.75	-5.0
25787	.47	-14.0	1.700	95.0	4.30	7.00	-5.0
25788	.51	-16.0	2.500	120.0	4.40	9.00	-5.0
25789	.44	-14.0	2.200	140.0	5.10	9.50	-5.0
25790	.55	-15.0	2.100	120.0	6.90	8.90	-5.0
25791	.43	-11.0	1.800	94.0	4.80	7.80	-5.0
25792	.42	-16.0	.920	47.0	3.80	3.80	-5.0
25793	.30	-14.0	.420	28.0	2.40	2.50	-5.0
25794	.56	-17.0	3.300	180.0	6.80	13.20	-5.0
25795	.29	-14.0	.590	33.0	2.10	3.10	-5.0
25796	.52	-17.0	2.300	140.0	7.00	10.00	-5.0
25797	.50	-17.0	2.700	150.0	5.60	10.90	-5.0
25798	.54	-15.0	.260	22.0	12.00	21.80	-5.0
25799	.27	-14.0	1.000	98.0	7.10	11.70	-5.0
25800	.22	-13.0	1.300	38.0	2.60	9.00	-5.0
25801	.38	-15.0	1.100	76.0	5.10	11.10	-5.0
25802	.64	-16.0	3.000	170.0	6.40	11.20	-5.0
25803	.37	-15.0	2.500	140.0	3.80	10.00	-5.0
25804	.42	-10.0	1.700	110.0	5.10	7.80	-5.0
25805	.20	-13.0	.340	-20.0	2.80	1.60	-5.0
25806	-.20	-11.0	.580	30.0	2.20	1.60	-5.0
25807	.46	-5.0	1.800	92.0	5.30	6.80	-5.0
25808	-.20	-13.0	-.200	-20.0	2.00	1.20	-5.0
25809	.45	-15.0	1.400	74.0	4.70	5.60	-5.0
25810	-.20	-11.0	-.200	-20.0	1.00	.42	-5.0
25811	.39	-11.0	.820	47.0	2.90	3.30	-5.0
25812	-.20	-14.0	-.200	-20.0	1.30	.56	-5.0
25813	-.20	-12.0	-.200	-20.0	1.10	.45	-5.0
25814	.53	-16.0	2.500	150.0	6.70	11.20	-5.0
25815	.52	-16.0	2.100	110.0	4.80	8.80	-5.0
25816	.72	-15.0	2.600	120.0	8.00	8.50	-5.0
25817	.57	-15.0	2.200	120.0	5.20	10.90	-5.0
25818	.49	-14.0	2.200	110.0	5.50	8.20	-5.0
25819	.52	-14.0	1.900	110.0	4.30	8.00	-5.0
25820	.29	-15.0	1.400	140.0	4.60	8.00	-5.0
25821	.43	-15.0	2.100	130.0	4.60	15.10	-5.0
25822	.47	-15.0	1.200	81.0	7.20	23.60	-5.0
25823	.21	-15.0	-.200	-20.0	2.60	22.30	-5.0
25824	.55	-15.0	1.600	110.0	5.70	25.50	-5.0
25825	.78	-5.0	.530	61.0	27.80	35.40	-5.0
25826	.51	-5.0	.520	-20.0	12.00	60.00	-5.0
25827	.41	-16.0	-.200	-20.0	8.00	57.60	-5.0
25828	.40	-16.0	.670	26.0	6.20	56.60	-5.0
25829	.54	-15.0	2.300	190.0	13.00	23.70	-5.0
25830	1.00	-17.0	.470	32.0	17.00	32.30	-5.0
25831	.63	-16.0	.260	-20.0	12.00	36.80	-5.0
25832	.52	-15.0	.350	41.0	7.30	32.40	-5.0
25833	.48	-15.0	.760	62.0	6.60	30.30	-5.0
25834	.42	-15.0	.510	49.0	2.30	30.40	-5.0
25835	.43	-14.0	-.200	-20.0	1.80	26.60	-5.0
25836	.47	-16.0	-.200	-20.0	10.00	28.10	-5.0
25837	.43	-16.0	3.000	160.0	.71	11.30	-5.0
25838	.60	-15.0	2.500	110.0	4.90	12.20	-5.0

25839	-.20	-13.0	-.200	-20.0	-.20	.36	-5.0
25840	.30	-15.0	1.200	150.0	4.60	8.10	-5.0
25841	-.20	-5.0	.290	76.0	.78	7.90	-5.0
25842	-.20	-5.0	-.200	48.0	.33	3.10	-5.0
25843	-.20	-5.0	.380	70.0	.39	2.10	-5.0
25844	-.20	-14.0	-.200	-20.0	.49	8.40	-5.0
25845	-.20	-5.0	-.200	37.0	.58	5.00	-5.0
25846	.30	-14.0	2.100	160.0	2.30	6.90	-5.0
25847	-.20	-11.0	-.200	-20.0	-.20	.10	-5.0
25848	.62	-15.0	3.000	150.0	8.90	13.60	-5.0
25849	.51	-15.0	2.800	140.0	5.40	15.30	-5.0
25850	.59	-14.0	2.600	140.0	5.40	11.40	-5.0
25851	.36	-14.0	.470	-20.0	3.20	7.00	-5.0
25852	.33	-14.0	.350	26.0	2.60	8.80	-5.0
25853	.57	-15.0	2.500	130.0	8.80	24.20	-5.0
25854	.50	-14.0	2.100	120.0	5.10	8.70	-5.0
25855	.57	-14.0	3.000	160.0	5.30	11.90	-5.0
25856	.49	-15.0	2.100	130.0	7.60	11.50	-5.0
25857	.48	-14.0	1.500	84.0	4.40	6.60	-5.0
25858	.37	-14.0	1.600	86.0	3.40	6.40	-5.0
25859	.62	-15.0	2.800	140.0	5.90	11.30	-5.0
25860	.26	-15.0	1.300	22.0	2.70	9.30	-5.0
25861	.49	-14.0	3.000	160.0	3.40	11.80	-5.0
25862	.36	-13.0	1.000	68.0	2.50	5.30	-5.0
25863	.25	-11.0	1.300	69.0	.93	5.20	-5.0
25864	.47	-12.0	2.400	130.0	4.30	10.30	-5.0
25865	.37	-11.0	1.100	53.0	2.70	4.80	-5.0
25874	.53	-11.0	2.700	170.0	2.10	11.50	-5.0
25875	.65	-11.0	2.000	130.0	2.00	9.40	-5.0
25876	.52	-11.0	2.500	150.0	3.80	10.00	-5.0
25877	.52	-11.0	2.700	140.0	4.80	10.10	-5.0
25878	.59	-15.0	3.100	170.0	1.80	11.20	-5.0
25879	.36	-11.0	.660	37.0	3.60	2.20	-5.0
25880	.24	-12.0	1.300	28.0	2.60	9.10	-5.0
25881	-.20	-10.0	-.200	-20.0	1.60	1.00	-5.0
25882	.56	-11.0	1.800	95.0	6.20	6.40	-5.0
25883	.28	-10.0	.620	40.0	3.10	2.70	-5.0
25884	.53	-11.0	1.800	100.0	5.90	8.00	-5.0
25885	-.20	-10.0	.270	-20.0	1.20	.88	-5.0
25886	-.20	-10.0	-.200	-20.0	1.00	1.10	-5.0
25887	-.20	-10.0	.200	-20.0	1.00	1.10	-5.0
25888	-.20	-10.0	-.200	-20.0	.40	.35	-5.0
25889	.28	-11.0	.690	40.0	2.10	3.00	-5.0
25890	.21	-11.0	.540	30.0	1.50	2.40	-5.0
25891	.22	-11.0	.710	36.0	1.70	2.80	-5.0
25892	.38	-13.0	2.200	110.0	.87	8.60	-5.0
25893	.40	-11.0	1.600	85.0	.85	5.40	-5.0
25894	.43	-12.0	2.200	140.0	2.20	10.00	-5.0
25895	.58	-5.0	1.200	64.0	29.70	7.00	-5.0
25896	.40	-12.0	.620	24.0	3.90	25.40	-5.0
25897	.55	-13.0	-.200	23.0	1.50	35.40	-5.0
25898	.29	-12.0	.330	20.0	1.40	14.60	-5.0
25899	.22	-12.0	.210	-20.0	1.20	13.50	-5.0
25900	.30	-12.0	1.200	140.0	4.60	8.20	-5.0
25901	.40	-12.0	1.600	120.0	6.50	19.70	-5.0
25902	.24	-11.0	.450	33.0	3.10	17.00	-5.0
25903	.37	-12.0	.610	-20.0	1.60	18.10	-5.0
25904	.27	-12.0	.290	27.0	1.60	29.80	-5.0
25905	.39	-13.0	-.200	-20.0	2.80	30.80	-5.0
25906	.51	-11.0	1.100	75.0	5.50	11.30	-5.0
25907	.37	-14.0	-.200	-20.0	6.30	41.00	-5.0
25908	-.20	-11.0	-.200	-20.0	.35	1.40	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
25601	-5.00	3.00	13.00	-500.0	-2.00	3.20	4.80

25602	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.30
25603	-5.00	-1.00	2.30	-500.0	-2.00	-2.00	1.40
25604	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.30
25605	-5.00	1.50	13.00	-500.0	-2.00	2.70	3.80
25606	-5.00	1.40	14.00	-500.0	-2.00	2.80	3.70
25607	-5.00	-1.00	4.50	-500.0	-2.00	-2.00	1.70
25608	-5.00	1.70	24.00	-500.0	5.40	3.90	5.00
25609	-5.00	-1.00	5.30	-500.0	-2.00	-2.00	1.80
25610	-5.00	1.40	13.00	-500.0	4.30	-2.00	3.00
25611	-5.00	6.00	10.00	-500.0	7.90	-2.00	2.70
25612	-5.00	1.90	19.00	-500.0	-2.00	2.40	3.60
25613	-5.00	8.70	9.10	-500.0	-2.00	-2.00	3.10
25614	-5.00	6.90	10.00	-500.0	-2.00	-2.00	3.50
25615	-5.00	7.40	10.00	-500.0	-2.00	-2.00	3.30
25616	-5.00	6.50	10.00	-500.0	-2.00	-2.00	3.40
25617	-5.00	6.20	10.00	-500.0	-2.00	-2.00	3.20
25618	-5.00	8.70	11.00	-500.0	-2.00	-2.00	3.40
25619	-5.00	6.70	10.00	-500.0	-2.00	-2.00	3.60
25620	-5.00	1.20	2.10	-500.0	-2.00	-2.00	1.80
25621	-5.00	5.80	11.00	-500.0	5.50	-2.00	2.70
25622	-5.00	-1.00	10.00	-500.0	-2.00	3.00	2.80
25623	-5.00	1.20	14.00	-500.0	-2.00	-2.00	3.70
25624	-5.00	1.80	12.00	-500.0	-2.00	3.10	3.80
25625	-5.00	2.00	18.00	-500.0	2.40	5.00	3.80
25626	-5.00	2.40	11.00	-500.0	3.20	-2.00	3.10
25627	-5.00	1.80	5.40	-500.0	-2.00	-2.00	1.60
25628	-5.00	7.60	11.00	-500.0	-2.00	-2.00	3.00
25629	-5.00	7.80	12.00	-500.0	-2.00	-2.00	3.60
25630	-5.00	7.00	10.00	-500.0	-2.00	-2.00	3.10
25631	-5.00	8.70	15.00	-500.0	6.00	4.50	3.90
25632	-5.00	14.00	18.00	-500.0	-2.00	-2.00	2.70
25633	-5.00	10.00	15.00	-500.0	4.30	5.80	5.40
25634	-5.00	6.90	11.00	-500.0	-2.00	-2.00	2.90
25635	-5.00	5.30	17.00	-500.0	-2.00	2.60	2.80
25636	-5.00	2.60	14.00	-500.0	4.50	3.80	4.00
25637	-5.00	23.00	29.00	-500.0	18.00	9.10	8.60
25638	-5.00	2.40	14.00	-500.0	-2.00	3.10	3.50
25639	-5.00	1.20	17.00	-500.0	-2.00	3.60	4.20
25640	-5.00	-1.00	1.90	-500.0	3.70	-2.00	1.60
25641	-5.00	4.20	6.90	-500.0	-2.00	-2.00	3.60
25642	-5.00	3.30	6.70	-500.0	3.90	-2.00	2.70
25643	-5.00	22.00	49.00	-500.0	28.00	12.00	8.90
25644	-5.00	6.70	23.00	-500.0	26.00	15.00	5.30
25645	-5.00	3.40	7.30	-500.0	2.80	-2.00	3.10
25646	-5.00	2.30	9.10	-500.0	-2.00	-2.00	3.40
25647	-5.00	4.20	12.00	-500.0	-2.00	6.50	4.30
25648	-5.00	3.50	10.00	-500.0	4.70	-2.00	3.30
25649	-5.00	3.60	6.90	-500.0	-2.00	-2.00	3.00
25650	-5.00	3.90	7.40	-500.0	-2.00	-2.00	3.60
25651	-5.00	3.50	7.40	-500.0	5.30	-2.00	3.30
25652	-5.00	2.50	7.90	-500.0	-2.00	-2.00	3.00
25653	-5.00	2.40	9.20	-500.0	-2.00	-2.00	2.80
25654	-5.00	3.80	10.00	-500.0	-2.00	-2.00	4.00
25655	-5.00	4.40	13.00	-500.0	-2.00	-2.00	4.40
25656	-5.00	3.60	14.00	-500.0	-2.00	3.40	4.40
25657	-5.00	1.70	7.40	-500.0	-2.00	-2.00	3.90
25658	-5.00	3.50	13.00	-500.0	-2.00	-2.00	4.50
25659	-5.00	2.60	9.20	-500.0	-2.00	-2.00	3.30
25660	-5.00	4.40	15.00	-500.0	4.80	3.30	2.20
25661	-5.00	3.20	10.00	-500.0	-2.00	-2.00	3.30
25662	-5.00	2.40	11.00	-500.0	-2.00	2.40	3.30
25663	-5.00	3.90	7.30	-500.0	-2.00	-2.00	3.00
25664	-5.00	2.00	8.10	-500.0	-2.00	-2.00	3.80
25665	-5.00	2.10	7.00	-500.0	-2.00	-2.00	3.50
25666	-5.00	2.70	7.50	-500.0	-2.00	-2.00	3.00
25667	-5.00	2.50	7.10	-500.0	-2.00	-2.00	2.50

25668	-5.00	2.10	11.00	-500.0	-2.00	-2.00	3.40
25669	-5.00	3.40	10.00	-500.0	-2.00	-2.00	3.80
25670	-5.00	3.00	5.60	-500.0	-2.00	-2.00	3.00
25671	-5.00	3.70	12.00	-500.0	66.00	-2.00	4.40
25672	-5.00	4.10	9.30	-500.0	-2.00	-2.00	5.30
25673	-5.00	4.10	9.40	-500.0	-2.00	-2.00	6.50
25674	-5.00	3.70	8.80	-500.0	-2.00	-2.00	2.80
25675	-5.00	3.70	10.00	-500.0	-2.00	-2.00	3.30
25676	-5.00	3.60	8.70	-500.0	-2.00	-2.00	3.10
25677	-5.00	3.40	9.40	-500.0	3.90	-2.00	3.70
25678	-5.00	1.90	9.40	-500.0	-2.00	5.50	2.80
25679	-5.00	1.50	10.00	-500.0	-2.00	2.90	3.20
25680	-5.00	3.00	14.00	-500.0	4.60	3.60	2.20
25681	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	.91
25682	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.60
25683	-5.00	1.10	11.00	-500.0	2.30	-2.00	3.00
25684	-5.00	1.10	12.00	-500.0	2.20	3.90	2.90
25685	-5.00	-1.00	6.30	-500.0	-2.00	-2.00	2.70
25686	-5.00	2.80	18.00	-500.0	2.20	-2.00	3.90
25687	-5.00	-1.00	5.70	-500.0	-2.00	-2.00	2.30
25688	-5.00	-1.00	7.20	-500.0	-2.00	-2.00	2.90
25689	-5.00	2.50	16.00	-500.0	-2.00	2.80	4.60
25690	-5.00	1.90	12.00	-500.0	-2.00	-2.00	3.50
25691	-5.00	2.00	10.00	-500.0	-2.00	-2.00	3.50
25692	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	3.40
25693	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.60
25694	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.40
25695	-5.00	1.10	4.40	-500.0	-2.00	-2.00	2.30
25696	-5.00	1.30	14.00	-500.0	-2.00	2.30	4.70
25697	-5.00	1.00	2.90	-500.0	-2.00	-2.00	1.80
25698	-5.00	-1.00	3.00	-500.0	-2.00	-2.00	1.90
25699	-5.00	-1.00	2.90	-500.0	-2.00	-2.00	1.90
25700	-5.00	1.20	2.10	-500.0	-2.00	-2.00	1.70
25701	-5.00	1.10	10.00	-500.0	-2.00	2.10	3.30
25702	-5.00	7.90	20.00	-500.0	3.70	-2.00	3.30
25703	-5.00	1.30	10.00	-500.0	-2.00	-2.00	3.20
25704	-5.00	1.30	12.00	-500.0	2.40	-2.00	3.50
25705	-5.00	1.20	3.20	-500.0	-2.00	-2.00	1.20
25706	-5.00	6.30	11.00	-500.0	-2.00	-2.00	3.10
25707	-5.00	7.90	11.00	-500.0	-2.00	-2.00	3.50
25708	-5.00	5.40	8.10	-500.0	-2.00	-2.00	3.70
25709	-5.00	4.70	7.80	-500.0	-2.00	-2.00	3.60
25710	-5.00	4.60	7.20	-500.0	-2.00	-2.00	2.50
25711	-5.00	6.90	10.00	-500.0	-2.00	-2.00	4.20
25712	-5.00	7.60	10.00	-500.0	-2.00	-2.00	3.60
25713	-5.00	6.90	17.00	-500.0	-2.00	-2.00	5.10
25714	-5.00	1.70	24.00	-500.0	2.70	2.60	4.40
25715	-5.00	2.00	15.00	-500.0	2.90	2.90	3.80
25716	-5.00	6.40	10.00	-500.0	-2.00	-2.00	3.00
25717	-5.00	9.00	10.00	-500.0	-2.00	-2.00	3.40
25718	-5.00	4.80	8.80	-500.0	-2.00	-2.00	3.00
25719	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.30
25720	-5.00	3.80	14.00	-500.0	6.50	5.80	2.20
25721	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	1.30
25722	-5.00	2.00	12.00	-500.0	-2.00	3.70	2.90
25723	-5.00	2.90	5.20	-500.0	-2.00	-2.00	2.60
25724	-5.00	1.90	5.40	-500.0	-2.00	2.80	2.00
25725	-5.00	-1.00	.79	-500.0	-2.00	-2.00	-.50
25726	-5.00	2.40	4.30	-500.0	3.90	-2.00	2.20
25727	-5.00	2.40	5.80	-500.0	-2.00	-2.00	2.40
25728	-5.00	2.40	6.00	-500.0	-2.00	-2.00	2.80
25729	-5.00	3.10	6.80	-500.0	-2.00	-2.00	3.30
25730	-5.00	1.90	5.80	-500.0	-2.00	-2.00	2.40
25731	-5.00	1.80	6.80	-500.0	-2.00	-2.00	3.90
25732	-5.00	1.30	7.00	-500.0	-2.00	2.50	2.20
25733	-5.00	1.10	6.80	-500.0	-2.00	2.70	2.00

25734	-5.00	2.50	4.90	-500.0	-2.00	-2.00	2.60
25735	-5.00	2.00	4.80	-500.0	-2.00	-2.00	2.20
25736	-5.00	2.50	7.90	-500.0	-2.00	-2.00	3.30
25737	-5.00	2.40	6.70	-500.0	-2.00	-2.00	3.20
25738	-5.00	3.00	9.50	-500.0	-2.00	-2.00	2.90
25739	-5.00	2.60	7.30	-500.0	-2.00	-2.00	3.30
25740	-5.00	2.40	10.00	-500.0	3.80	2.60	1.50
25741	-5.00	2.40	7.00	-500.0	-2.00	-2.00	2.50
25742	-5.00	2.60	8.70	-500.0	-2.00	-2.00	2.70
25743	-5.00	2.80	6.60	-500.0	5.20	-2.00	2.40
25744	-5.00	3.20	7.30	-500.0	-2.00	-2.00	3.40
25745	-5.00	3.10	7.30	-500.0	-2.00	-2.00	3.10
25746	-5.00	3.80	8.30	-500.0	-2.00	-2.00	3.10
25747	-5.00	2.10	5.90	-500.0	-2.00	-2.00	2.50
25748	-5.00	2.20	7.30	-500.0	-2.00	-2.00	2.50
25749	-5.00	1.80	5.20	-500.0	-2.00	-2.00	2.30
25750	-5.00	3.20	5.90	-500.0	-2.00	-2.00	4.50
25751	-5.00	3.40	6.50	-500.0	-2.00	-2.00	2.60
25752	-5.00	1.70	6.30	-500.0	-2.00	-2.00	2.20
25753	-5.00	2.40	8.10	-500.0	-2.00	-2.00	3.00
25754	-5.00	2.40	7.20	-500.0	-2.00	-2.00	2.80
25755	-5.00	-1.00	3.10	-500.0	20.00	-2.00	2.40
25756	-5.00	1.50	7.00	-500.0	-2.00	-2.00	2.00
25757	-5.00	2.40	3.90	-500.0	-2.00	-2.00	2.20
25758	-5.00	2.40	5.50	-500.0	-2.00	-2.00	3.00
25759	-5.00	1.60	10.00	-500.0	-2.00	2.30	2.40
25760	-5.00	-1.00	1.30	-500.0	2.60	-2.00	1.30
25761	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	.92
25762	-5.00	-1.00	6.80	-500.0	3.50	2.80	1.00
25763	-5.00	-1.00	9.10	-500.0	-2.00	3.30	2.00
25764	-5.00	-1.00	2.30	-500.0	-2.00	-2.00	-.50
25765	-5.00	-1.00	4.40	-500.0	-2.00	-2.00	.72
25766	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	-.50
25767	130.00	-1.00	1.20	-500.0	7.80	-2.00	-.50
25768	14.00	1.00	8.20	-500.0	-2.00	-2.00	1.40
25769	-5.00	1.20	12.00	-500.0	-2.00	3.50	2.80
25770	-5.00	1.00	7.40	-500.0	-2.00	2.30	1.80
25771	-5.00	1.10	8.20	-500.0	-2.00	-2.00	1.80
25772	-5.00	1.30	8.50	-500.0	2.10	-2.00	1.80
25773	-5.00	1.00	6.30	-500.0	6.20	-2.00	2.20
25774	-5.00	1.00	7.60	-500.0	-2.00	-2.00	2.50
25775	-5.00	1.20	8.60	-500.0	-2.00	2.00	2.70
25776	-5.00	-1.00	1.20	-500.0	-2.00	-2.00	.56
25777	-5.00	-1.00	6.30	-500.0	-2.00	2.40	2.20
25778	-5.00	-1.00	4.20	-500.0	-2.00	-2.00	2.00
25779	-5.00	-1.00	2.80	-500.0	-2.00	-2.00	1.20
25780	-5.00	2.70	10.00	-500.0	2.40	3.80	1.60
25781	-5.00	1.90	10.00	-500.0	-2.00	-2.00	3.30
25782	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	1.30
25783	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	1.40
25784	-5.00	1.10	11.00	-500.0	-2.00	-2.00	2.80
25785	-5.00	1.20	6.70	-500.0	-2.00	-2.00	2.10
25786	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.00
25787	-5.00	1.20	7.60	-500.0	4.10	-2.00	2.50
25788	-5.00	1.40	9.50	-500.0	-2.00	2.30	2.80
25789	-5.00	-1.00	9.30	-500.0	-2.00	-2.00	2.30
25790	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	2.90
25791	-5.00	1.30	8.80	-500.0	-2.00	-2.00	2.30
25792	-5.00	-1.00	5.60	-500.0	-2.00	2.10	2.20
25793	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.60
25794	-5.00	1.30	15.00	-500.0	-2.00	2.60	3.00
25795	-5.00	-1.00	3.70	-500.0	-2.00	-2.00	1.50
25796	-5.00	-1.00	11.00	-500.0	-2.00	2.70	2.70
25797	-5.00	-1.00	12.00	-500.0	-2.00	3.10	2.60
25798	-5.00	4.90	7.90	-500.0	-2.00	-2.00	2.90
25799	-5.00	2.90	4.40	-500.0	2.50	-2.00	1.50

25800	-5.00	-1.00	1.40	-500.0	2.60	-2.00	1.20
25801	-5.00	4.30	7.40	-500.0	2.00	-2.00	2.10
25802	-5.00	1.80	14.00	-500.0	-2.00	2.40	3.40
25803	-5.00	-1.00	9.30	-500.0	-2.00	-2.00	2.00
25804	-5.00	-1.00	8.40	-500.0	-2.00	-2.00	2.20
25805	-5.00	-1.00	4.50	-500.0	-2.00	-2.00	1.10
25806	-5.00	1.10	4.10	-500.0	2.40	-2.00	1.10
25807	-5.00	2.90	10.00	-500.0	2.60	-2.00	2.40
25808	-5.00	1.40	3.10	-500.0	3.80	-2.00	.84
25809	-5.00	1.90	8.20	-500.0	-2.00	-2.00	2.40
25810	-5.00	-1.00	1.50	-500.0	-2.00	-2.00	-.50
25811	-5.00	1.20	6.30	-500.0	-2.00	2.00	2.10
25812	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	.74
25813	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	.63
25814	-5.00	1.80	13.00	-500.0	-2.00	2.00	2.90
25815	-5.00	-1.00	10.00	-500.0	-2.00	2.50	2.80
25816	-5.00	6.00	16.00	-500.0	-2.00	-2.00	3.80
25817	-5.00	1.50	10.00	-500.0	-2.00	-2.00	2.90
25818	-5.00	1.30	10.00	-500.0	-2.00	-2.00	2.60
25819	-5.00	-1.00	8.00	-500.0	-2.00	-2.00	2.70
25820	-5.00	2.90	10.00	-500.0	4.10	3.10	1.50
25821	-5.00	1.00	7.60	-500.0	-2.00	-2.00	2.10
25822	-5.00	1.80	3.90	-500.0	-2.00	-2.00	2.60
25823	-5.00	-1.00	1.40	-500.0	-2.00	-2.00	1.20
25824	-5.00	1.70	13.00	-500.0	-2.00	-2.00	3.00
25825	-5.00	3.30	8.10	-500.0	-2.00	-2.00	4.60
25826	-5.00	3.10	5.70	-500.0	-2.00	-2.00	2.40
25827	-5.00	3.40	4.70	-500.0	-2.00	-2.00	2.10
25828	-5.00	1.20	.76	-500.0	-2.00	-2.00	2.30
25829	-5.00	1.80	10.00	-500.0	-2.00	-2.00	3.00
25830	-5.00	2.40	2.40	-500.0	-2.00	-2.00	5.60
25831	-5.00	2.60	4.30	-500.0	-2.00	-2.00	3.80
25832	-5.00	2.40	4.50	-500.0	-2.00	-2.00	2.80
25833	-5.00	2.70	5.30	-500.0	-2.00	-2.00	2.60
25834	-5.00	1.90	5.80	-500.0	-2.00	-2.00	2.30
25835	-5.00	1.70	5.80	-500.0	8.00	-2.00	2.30
25836	-5.00	3.00	6.50	-500.0	-2.00	-2.00	2.50
25837	-5.00	-1.00	9.00	-500.0	-2.00	2.40	2.10
25838	-5.00	-1.00	15.00	-500.0	-2.00	5.50	3.00
25839	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25840	-5.00	2.40	10.00	-500.0	4.00	2.30	1.50
25841	-5.00	-1.00	1.30	-500.0	-2.00	-2.00	-.50
25842	-5.00	-1.00	1.40	-500.0	-2.00	-2.00	-.50
25843	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	-.50
25844	10.00	-1.00	2.00	-500.0	-2.00	-2.00	-.50
25845	-5.00	-1.00	.71	-500.0	-2.00	-2.00	-.50
25846	45.00	-1.00	5.10	-500.0	-2.00	2.50	1.40
25847	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25848	-5.00	1.10	14.00	-500.0	-2.00	2.10	3.00
25849	-5.00	2.00	20.00	-500.0	-2.00	3.60	2.50
25850	-5.00	1.50	24.00	-500.0	-2.00	3.20	3.10
25851	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	1.70
25852	-5.00	1.00	10.00	-500.0	-2.00	-2.00	1.70
25853	-5.00	1.20	12.00	-500.0	-2.00	7.20	3.20
25854	-5.00	-1.00	8.90	-500.0	-2.00	-2.00	2.60
25855	-5.00	-1.00	9.10	-500.0	-2.00	2.50	2.90
25856	-5.00	-1.00	18.00	-500.0	6.30	-2.00	2.40
25857	-5.00	-1.00	10.00	-500.0	-2.00	-2.00	2.50
25858	-5.00	-1.00	5.60	-500.0	-2.00	-2.00	1.90
25859	-5.00	-1.00	11.00	-500.0	-2.00	-2.00	3.30
25860	-5.00	-1.00	1.30	-500.0	2.90	-2.00	1.20
25861	-5.00	-1.00	7.20	-500.0	2.90	-2.00	2.40
25862	-5.00	-1.00	9.10	-500.0	-2.00	-2.00	1.90
25863	-5.00	-1.00	3.40	-500.0	-2.00	-2.00	1.30
25864	-5.00	1.60	10.00	-500.0	-2.00	-2.00	2.40
25865	-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.90

25874	-5.00	1.20	7.00	-500.0	3.80	3.00	2.90
25875	-5.00	5.30	16.00	-500.0	-2.00	3.00	3.30
25876	-5.00	1.40	11.00	-500.0	2.00	2.10	2.60
25877	-5.00	1.20	8.90	-500.0	-2.00	-2.00	2.70
25878	-5.00	1.10	7.00	-500.0	-2.00	3.50	3.00
25879	-5.00	1.00	6.80	-500.0	-2.00	-2.00	1.80
25880	-5.00	-1.00	1.50	-500.0	6.30	-2.00	1.10
25881	-5.00	1.50	2.50	-500.0	-2.00	-2.00	.73
25882	-5.00	2.80	10.00	-500.0	-2.00	-2.00	2.80
25883	-5.00	1.40	6.50	-500.0	-2.00	-2.00	1.50
25884	-5.00	2.10	11.00	-500.0	-2.00	-2.00	2.70
25885	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	-.50
25886	-5.00	1.20	2.20	-500.0	-2.00	-2.00	.79
25887	-5.00	-1.00	2.20	-500.0	-2.00	-2.00	.69
25888	-5.00	-1.00	1.00	-500.0	-2.00	-2.00	-.50
25889	-5.00	1.60	4.90	-500.0	-2.00	-2.00	1.40
25890	-5.00	-1.00	3.50	-500.0	-2.00	-2.00	1.00
25891	-5.00	1.30	4.30	-500.0	-2.00	-2.00	1.20
25892	-5.00	1.10	8.30	-500.0	-2.00	2.30	2.00
25893	-5.00	2.10	6.40	-500.0	-2.00	-2.00	2.00
25894	-5.00	1.30	10.00	-500.0	-2.00	2.20	2.20
25895	-5.00	1.30	7.90	-500.0	-2.00	-2.00	3.10
25896	-5.00	2.10	4.60	-500.0	-2.00	-2.00	2.40
25897	-5.00	2.80	6.10	-500.0	-2.00	-2.00	2.90
25898	-5.00	1.80	8.60	-500.0	-2.00	-2.00	1.50
25899	-5.00	1.70	5.30	-500.0	-2.00	-2.00	1.20
25900	-5.00	2.70	10.00	-500.0	3.60	2.90	1.60
25901	-5.00	1.30	3.60	-500.0	-2.00	-2.00	2.20
25902	-5.00	1.50	4.20	-500.0	-2.00	-2.00	1.40
25903	-5.00	1.40	14.00	-500.0	-2.00	2.30	1.90
25904	-5.00	1.80	3.40	-500.0	-2.00	-2.00	1.60
25905	-5.00	1.80	5.20	-500.0	-2.00	-2.00	2.10
25906	-5.00	1.90	9.10	-500.0	-2.00	-2.00	2.80
25907	-5.00	-1.00	15.00	-500.0	-2.00	6.20	1.90
25908	-5.00	-1.00	2.00	-500.0	-2.00	-2.00	-.50

S#	Zn	Zr
25601	260.0	-500.0
25602	-100.0	-500.0
25603	-100.0	-500.0
25604	-100.0	-500.0
25605	-100.0	-500.0
25606	-100.0	-500.0
25607	-100.0	-500.0
25608	-100.0	-500.0
25609	-100.0	-500.0
25610	610.0	-500.0
25611	150.0	610.0
25612	-100.0	-500.0
25613	210.0	560.0
25614	270.0	750.0
25615	340.0	-500.0
25616	120.0	700.0
25617	130.0	730.0
25618	150.0	650.0
25619	400.0	-500.0
25620	900.0	960.0
25621	100.0	-500.0
25622	-100.0	-500.0
25623	-100.0	-500.0
25624	-100.0	-500.0
25625	-100.0	-500.0
25626	-100.0	-500.0
25627	-100.0	-500.0
25628	170.0	510.0

424339

25629	170.0	740.0
25630	120.0	630.0
25631	360.0	540.0
25632	270.0	970.0
25633	310.0	690.0
25634	310.0	720.0
25635	350.0	-500.0
25636	-100.0	-500.0
25637	-100.0	-500.0
25638	-100.0	-500.0
25639	1300.0	-500.0
25640	880.0	-500.0
25641	650.0	530.0
25642	150.0	-500.0
25643	-100.0	-500.0
25644	270.0	-500.0
25645	160.0	-500.0
25646	220.0	-500.0
25647	480.0	-500.0
25648	260.0	-500.0
25649	230.0	-500.0
25650	340.0	520.0
25651	190.0	-500.0
25652	130.0	560.0
25653	170.0	-500.0
25654	340.0	-500.0
25655	180.0	560.0
25656	200.0	-500.0
25657	340.0	-500.0
25658	200.0	710.0
25659	440.0	-500.0
25660	120.0	-500.0
25661	330.0	-500.0
25662	430.0	-500.0
25663	290.0	-500.0
25664	440.0	-500.0
25665	270.0	-500.0
25666	270.0	720.0
25667	140.0	-500.0
25668	140.0	-500.0
25669	140.0	540.0
25670	340.0	-500.0
25671	120.0	600.0
25672	290.0	610.0
25673	680.0	630.0
25674	160.0	-500.0
25675	160.0	-500.0
25676	270.0	-500.0
25677	210.0	610.0
25678	2200.0	-500.0
25679	-100.0	-500.0
25680	130.0	-500.0
25681	-100.0	-500.0
25682	-100.0	-500.0
25683	-100.0	-500.0
25684	-100.0	-500.0
25685	-100.0	-500.0
25686	-100.0	-500.0
25687	-100.0	-500.0
25688	-100.0	-500.0
25689	-100.0	-500.0
25690	-100.0	-500.0
25691	-100.0	-500.0
25692	-100.0	-500.0
25693	-100.0	-500.0
25694	-100.0	-500.0

424340

25695	-100.0	-500.0
25696	-100.0	-500.0
25697	-100.0	-500.0
25698	-100.0	-500.0
25699	-100.0	-500.0
25700	870.0	-500.0
25701	-100.0	-500.0
25702	130.0	780.0
25703	-100.0	-500.0
25704	-100.0	-500.0
25705	-100.0	-500.0
25706	190.0	560.0
25707	520.0	820.0
25708	270.0	600.0
25709	340.0	610.0
25710	140.0	600.0
25711	570.0	530.0
25712	460.0	840.0
25713	800.0	890.0
25714	-100.0	-500.0
25715	-100.0	-500.0
25716	810.0	550.0
25717	1300.0	750.0
25718	310.0	590.0
25719	-100.0	-500.0
25720	110.0	-500.0
25721	-100.0	-500.0
25722	-100.0	-500.0
25723	240.0	-500.0
25724	-100.0	-500.0
25725	420.0	-500.0
25726	200.0	-500.0
25727	140.0	-500.0
25728	120.0	-500.0
25729	130.0	-500.0
25730	1300.0	-500.0
25731	150.0	-500.0
25732	120.0	-500.0
25733	-100.0	-500.0
25734	180.0	-500.0
25735	-100.0	-500.0
25736	200.0	-500.0
25737	130.0	-500.0
25738	-100.0	520.0
25739	190.0	-500.0
25740	-100.0	-500.0
25741	120.0	-500.0
25742	180.0	-500.0
25743	130.0	-500.0
25744	160.0	530.0
25745	130.0	-500.0
25746	230.0	-500.0
25747	150.0	-500.0
25748	110.0	-500.0
25749	140.0	-500.0
25750	230.0	610.0
25751	200.0	-500.0
25752	280.0	-500.0
25753	420.0	-500.0
25754	180.0	-500.0
25755	710.0	-500.0
25756	190.0	-500.0
25757	150.0	-500.0
25758	610.0	-500.0
25759	-100.0	-500.0
25760	610.0	-500.0

424341

25761	140.0	-500.0
25762	760.0	-500.0
25763	-100.0	-500.0
25764	-100.0	-500.0
25765	180.0	-500.0
25766	610.0	-500.0
25767	1100.0	-500.0
25768	110.0	-500.0
25769	-100.0	-500.0
25770	-100.0	-500.0
25771	-100.0	-500.0
25772	-100.0	-500.0
25773	-100.0	-500.0
25774	-100.0	-500.0
25775	-100.0	-500.0
25776	-100.0	-500.0
25777	-100.0	-500.0
25778	-100.0	-500.0
25779	-100.0	-500.0
25780	-100.0	-500.0
25781	-100.0	-500.0
25782	-100.0	-500.0
25783	-100.0	-500.0
25784	-100.0	-500.0
25785	-100.0	-500.0
25786	-100.0	-500.0
25787	-100.0	-500.0
25788	-100.0	-500.0
25789	-100.0	-500.0
25790	-100.0	-500.0
25791	-100.0	-500.0
25792	-100.0	-500.0
25793	-100.0	-500.0
25794	-100.0	-500.0
25795	-100.0	-500.0
25796	-100.0	-500.0
25797	-100.0	-500.0
25798	320.0	-500.0
25799	-100.0	-500.0
25800	600.0	-500.0
25801	-100.0	-500.0
25802	-100.0	-500.0
25803	-100.0	-500.0
25804	-100.0	-500.0
25805	-100.0	-500.0
25806	-100.0	-500.0
25807	-100.0	-500.0
25808	-100.0	-500.0
25809	-100.0	-500.0
25810	-100.0	-500.0
25811	-100.0	-500.0
25812	-100.0	-500.0
25813	-100.0	-500.0
25814	160.0	-500.0
25815	-100.0	-500.0
25816	-100.0	510.0
25817	-100.0	-500.0
25818	-100.0	-500.0
25819	140.0	-500.0
25820	-100.0	-500.0
25821	250.0	-500.0
25822	910.0	-500.0
25823	550.0	-500.0
25824	200.0	-500.0
25825	400.0	630.0
25826	150.0	-500.0

424342

25827	170.0	520.0
25828	580.0	-500.0
25829	640.0	-500.0
25830	6200.0	-500.0
25831	1800.0	580.0
25832	480.0	500.0
25833	270.0	-500.0
25834	380.0	-500.0
25835	160.0	-500.0
25836	120.0	530.0
25837	-100.0	-500.0
25838	-100.0	-500.0
25839	-100.0	-500.0
25840	-100.0	-500.0
25841	370.0	-500.0
25842	800.0	-500.0
25843	360.0	-500.0
25844	9600.0	-500.0
25845	520.0	-500.0
25846	-100.0	-500.0
25847	-100.0	-500.0
25848	-100.0	-500.0
25849	-100.0	-500.0
25850	-100.0	-500.0
25851	-100.0	-500.0
25852	-100.0	-500.0
25853	-100.0	-500.0
25854	-100.0	-500.0
25855	-100.0	-500.0
25856	-100.0	-500.0
25857	-100.0	-500.0
25858	-100.0	-500.0
25859	-100.0	-500.0
25860	600.0	-500.0
25861	-100.0	-500.0
25862	-100.0	-500.0
25863	-100.0	-500.0
25864	-100.0	-500.0
25865	-100.0	-500.0
25874	-100.0	-500.0
25875	-100.0	-500.0
25876	-100.0	-500.0
25877	-100.0	-500.0
25878	-100.0	-500.0
25879	-100.0	-500.0
25880	600.0	-500.0
25881	-100.0	-500.0
25882	-100.0	-500.0
25883	-100.0	-500.0
25884	-100.0	-500.0
25885	-100.0	-500.0
25886	-100.0	-500.0
25887	-100.0	-500.0
25888	-100.0	-500.0
25889	-100.0	-500.0
25890	-100.0	-500.0
25891	-100.0	-500.0
25892	-100.0	-500.0
25893	-100.0	-500.0
25894	-100.0	-500.0
25895	-100.0	-500.0
25896	140.0	-500.0
25897	140.0	-500.0
25898	120.0	-500.0
25899	-100.0	-500.0
25900	-100.0	-500.0

424343

25901	120.0	-500.0
25902	100.0	-500.0
25903	140.0	-500.0
25904	170.0	-500.0
25905	310.0	-500.0
25906	-100.0	-500.0
25907	130.0	-500.0
25908	110.0	-500.0

424344

RGC TASMANIA SAMPLES # 25909-25938
BECQUEREL JOB # 929
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
25909	2.10	-2.00	-100.0	2.20	2.00	-1.00	15.0
25910	.92	-2.00	-100.0	2.70	-2.00	-1.00	40.0
25911	6.00	5.50	-100.0	2.30	-2.00	-1.00	-5.0
25912	1.40	13.00	-100.0	-2.00	2.50	-1.00	35.0
25913	11.00	25.00	-100.0	-2.00	-2.00	-1.00	-5.0
25914	1.80	24.00	-100.0	3.70	-2.00	-1.00	-5.0
25915	5.50	4.40	-100.0	2.90	-2.00	-1.00	-5.0
25916	5.80	5.40	-100.0	4.90	-2.00	-1.00	11.0
25917	1.60	8.10	-100.0	3.10	-2.00	-1.00	-5.0
25918	.90	-2.00	-100.0	3.70	-2.00	-1.00	14.0
25919	6.80	26.00	320.0	11.00	79.00	10.00	93.0
25920	-.20	2.60	460.0	-2.00	65.00	16.00	430.0
25921	1.50	5.00	-100.0	2.50	-2.00	-1.00	-5.0
25922	1.00	4.00	-100.0	7.60	-2.00	-1.00	34.0
25923	.81	-2.00	-100.0	2.30	-2.00	-1.00	31.0
25924	2.20	3.40	360.0	10.00	80.00	13.00	52.0
25925	2.40	7.70	420.0	2.80	100.00	15.00	67.0
25926	2.70	-2.00	410.0	3.60	60.00	13.00	54.0
25927	1.70	-2.00	140.0	4.60	25.00	3.50	36.0
25928	1.50	-2.00	360.0	4.80	93.00	17.00	58.0
25929	1.30	-2.00	260.0	4.90	43.00	8.20	53.0
25930	1.30	-2.00	490.0	8.00	17.00	7.80	94.0
25931	.57	-2.00	610.0	14.00	15.00	15.00	87.0
25932	1.30	-2.00	670.0	5.40	37.00	15.00	91.0
25933	62.00	24.00	-100.0	28.00	16.00	3.30	120.0
25934	1.70	-2.00	510.0	8.90	41.00	17.00	78.0
25935	2.20	-2.00	520.0	3.20	48.00	12.00	83.0
25936	1.40	-2.00	370.0	3.90	21.00	7.50	45.0
25937	1.40	-2.00	510.0	-2.00	77.00	13.00	92.0
25938	2.10	2.60	120.0	11.00	37.00	2.70	45.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
25909	-1.00	-.50	-5.0	1.40	-20.0	.610	1.10
25910	-1.00	-.50	-5.0	1.50	-20.0	.580	.91
25911	-1.00	-.50	-5.0	-1.00	-20.0	1.200	-.50
25912	25.00	-.50	-5.0	-1.00	-20.0	2.000	1.10
25913	-1.00	-.50	-5.0	-1.00	-20.0	1.500	-.50
25914	-1.00	-.50	-5.0	-1.00	-20.0	1.000	-.50
25915	-1.00	-.50	-5.0	-1.00	-20.0	2.100	-.50
25916	-1.00	-.50	-5.0	-1.00	-20.0	2.900	.88
25917	-1.00	-.50	-5.0	-1.00	-20.0	.900	-.50
25918	-1.00	-.50	-5.0	1.10	-20.0	.520	.77
25919	-1.00	.82	5.2	6.30	-20.0	1.100	36.00
25920	22.00	.85	69.0	8.00	-20.0	4.000	34.00
25921	-1.00	-.50	-5.0	-1.00	-20.0	1.400	.66
25922	-1.00	-.50	-5.0	-1.00	-20.0	.710	.62
25923	-1.00	-.50	-5.0	1.10	-20.0	.440	.71
25924	1.60	1.00	-5.0	6.60	-20.0	1.400	41.00
25925	1.70	1.40	-5.0	8.60	-20.0	1.200	48.00
25926	-1.00	.87	-5.0	7.70	-20.0	.680	30.00
25927	-1.00	-.50	-5.0	8.20	-20.0	.400	13.00
25928	1.00	1.40	-5.0	8.20	-20.0	.820	46.00

25929	-1.00	.52	-5.0	5.90	-20.0	.600	20.00
25930	-1.00	-.50	-5.0	5.90	-20.0	.450	8.40
25931	-1.00	-.50	-5.0	9.20	-20.0	.630	6.70
25932	-1.00	.56	-5.0	8.80	-20.0	.620	20.00
25933	-1.00	-.50	-5.0	7.50	-20.0	3.000	8.10
25934	-1.00	.59	-5.0	11.00	-20.0	.620	18.00
25935	-1.00	-.50	-5.0	8.40	-20.0	.710	30.00
25936	-1.00	-.50	-5.0	12.00	-20.0	.490	10.00
25937	-1.00	.79	-5.0	8.10	-20.0	.690	40.00
25938	1.10	-.50	-5.0	7.70	-20.0	1.600	20.00

S#	Lu	Mo	K	Rb	Sm	Sc	Se
25909	-.20	-5.0	-.200	-20.0	.22	.65	-5.0
25910	-.20	-5.0	-.200	-20.0	.21	.37	-5.0
25911	-.20	-5.0	-.200	-20.0	-.20	-.10	-5.0
25912	-.20	-5.0	-.200	-20.0	.42	.49	-5.0
25913	-.20	-5.0	-.200	-20.0	-.20	.10	-5.0
25914	-.20	-5.0	-.200	-20.0	-.20	.12	-5.0
25915	-.20	-5.0	-.200	-20.0	-.20	-.10	-5.0
25916	-.20	-5.0	-.200	-20.0	-.20	.25	-5.0
25917	-.20	-5.0	-.200	-20.0	-.20	.11	-5.0
25918	-.20	-5.0	-.200	-20.0	-.20	.24	-5.0
25919	.66	16.0	2.900	150.0	6.40	12.80	-5.0
25920	.43	-5.0	1.700	190.0	7.10	11.00	-5.0
25921	-.20	-5.0	-.200	-20.0	-.20	.18	-5.0
25922	-.20	-5.0	-.200	-20.0	-.20	.18	-5.0
25923	-.20	-5.0	-.200	-20.0	-.20	.19	-5.0
25924	.72	-5.0	2.900	150.0	6.50	12.80	-5.0
25925	.80	-5.0	3.000	160.0	9.40	14.30	-5.0
25926	.66	-5.0	2.800	170.0	6.10	13.00	-5.0
25927	.42	-5.0	.800	41.0	1.80	3.50	-5.0
25928	.84	-5.0	3.500	180.0	7.80	13.70	-5.0
25929	.47	-5.0	2.000	110.0	3.40	8.10	-5.0
25930	.58	-5.0	2.500	160.0	1.50	10.80	-5.0
25931	.90	-5.0	4.100	260.0	1.40	16.90	-5.0
25932	.86	-5.0	4.400	240.0	2.60	17.90	-5.0
25933	.47	-5.0	.680	47.0	1.70	7.80	11.0
25934	.88	-5.0	3.500	210.0	3.60	14.60	-5.0
25935	.77	-5.0	3.500	210.0	2.90	13.90	-5.0
25936	.66	-5.0	2.500	160.0	1.80	10.40	-5.0
25937	.68	-5.0	3.000	160.0	5.20	10.90	-5.0
25938	.42	-5.0	.670	42.0	2.10	4.20	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
25909	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25910	-5.00	-1.00	.51	-500.0	-2.00	-2.00	-.50
25911	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25912	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25913	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25914	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25915	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25916	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25917	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25918	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25919	-5.00	1.30	10.00	-500.0	-2.00	4.10	3.20
25920	-5.00	3.50	14.00	-500.0	6.20	3.50	2.00
25921	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25922	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25923	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25924	-5.00	1.20	11.00	-500.0	-2.00	-2.00	3.60
25925	-5.00	1.20	18.00	-500.0	-2.00	3.20	4.10
25926	-5.00	1.00	8.70	-500.0	2.10	2.20	3.40
25927	-5.00	-1.00	3.50	-500.0	-2.00	2.40	2.00
25928	-5.00	1.20	10.00	-500.0	-2.00	2.80	4.30

	I	Ag	Ia	In	Sn	W	U	Yb
25929		-5.00	1.00	4.60	-500.0	-2.00	-2.00	2.30
25930		-5.00	1.10	9.50	-500.0	-2.00	-2.00	2.90
25931		-5.00	1.40	10.00	-500.0	-2.00	3.10	4.40
25932		-5.00	2.20	12.00	-500.0	-2.00	4.60	4.40
25933		-5.00	2.10	36.00	-500.0	-2.00	4.30	2.00
25934		-5.00	2.80	23.00	-500.0	-2.00	4.10	4.40
25935		-5.00	1.50	16.00	-500.0	-2.00	4.40	3.90
25936		-5.00	1.80	8.70	-500.0	-2.00	3.30	3.30
25937		-5.00	2.50	17.00	-500.0	-2.00	2.10	3.50
25938		-5.00	-1.00	9.40	-500.0	-2.00	2.10	2.10

S#	Zn	Zr
25909	-100.0	-500.0
25910	-100.0	-500.0
25911	-100.0	-500.0
25912	180.0	-500.0
25913	6500.0	-500.0
25914	-100.0	-500.0
25915	190.0	-500.0
25916	150.0	-500.0
25917	-100.0	-500.0
25918	-100.0	-500.0
25919	-100.0	-500.0
25920	-100.0	-500.0
25921	-100.0	-500.0
25922	-100.0	-500.0
25923	-100.0	-500.0
25924	-100.0	-500.0
25925	-100.0	-500.0
25926	-100.0	2300.0
25927	-100.0	-500.0
25928	-100.0	-500.0
25929	-100.0	-500.0
25930	-100.0	-500.0
25931	-100.0	-500.0
25932	-100.0	-500.0
25933	-100.0	-500.0
25934	-100.0	-500.0
25935	-100.0	-500.0
25936	-100.0	570.0
25937	-100.0	-500.0
25938	-100.0	-500.0

424346

424347

RGC TASMANIA SAMPLE NOS: 25939-26028,26101-26156
CQUEREL JOB # 929
NOTE : RESULTS ARE IN ppm; Au, Ir are in ppb;
Fe, K, Na are in %.
ENQUIRY PLEASE QUOTE ABOVE JOB #.

S#	Sb	As	Ba	Br	Ce	Cs	Cr
25939	3.00	43.00	900.0	-2.00	75.00	19.00	83.0
25940	2.80	295.00	390.0	-2.00	26.00	1.00	47.0
25941	8.80	50.00	540.0	4.10	87.00	15.00	160.0
25942	14.00	74.00	300.0	18.00	98.00	3.40	350.0
25943	13.00	67.00	-100.0	46.00	190.00	1.90	330.0
25944	33.90	36.00	430.0	-2.00	65.00	12.00	180.0
25945	5.10	5.20	110.0	11.00	32.00	4.90	270.0
25946	3.10	6.20	-100.0	11.00	24.00	3.50	200.0
25947	4.10	10.00	420.0	16.00	250.00	5.10	260.0
25948	4.20	49.00	250.0	36.00	38.00	4.00	160.0
25949	2.10	3.50	310.0	11.00	14.00	5.80	72.0
25950	2.20	5.30	410.0	4.10	12.00	9.10	62.0
25951	2.50	11.00	430.0	8.00	11.00	9.10	76.0
25952	2.20	3.50	-100.0	11.00	6.20	-1.00	12.0
25953	8.10	48.00	-100.0	46.00	15.00	1.90	250.0
25954	25.00	262.00	110.0	88.00	17.00	3.20	643.0
25955	10.00	77.00	-100.0	53.00	19.00	-1.00	513.0
25956	1.30	3.50	790.0	4.20	120.00	22.00	89.0
25957	1.10	2.40	560.0	4.10	92.00	12.00	64.0
25958	8.40	37.00	460.0	14.00	51.00	14.00	84.0
25959	1.60	-2.00	180.0	-2.00	27.00	2.20	16.0
25960	.23	3.30	470.0	-2.00	67.00	17.00	450.0
25961	10.00	-2.00	450.0	48.00	120.00	7.10	60.0
25962	1.60	-2.00	240.0	16.00	21.00	3.10	23.0
25963	3.10	2.20	300.0	31.00	18.00	9.30	59.0
25964	12.00	-2.00	-100.0	3.80	-2.00	-1.00	16.0
25965	1.00	-2.00	-100.0	3.50	-2.00	-1.00	50.0
25966	6.80	7.00	-100.0	3.20	-2.00	-1.00	-5.0
25967	1.60	-2.00	-100.0	4.20	3.20	-1.00	49.0
25968	27.40	33.00	-100.0	97.00	91.00	-1.00	39.0
25969	1.30	-2.00	-100.0	2.40	2.40	-1.00	53.0
25970	1.20	-2.00	-100.0	-2.00	3.00	-1.00	55.0
25971	1.20	-2.00	-100.0	2.30	2.80	-1.00	19.0
25972	2.50	2.80	-100.0	5.20	-2.00	-1.00	26.0
25973	1.70	-2.00	-100.0	6.00	2.90	-1.00	22.0
25974	153.00	180.00	-100.0	40.00	18.00	-1.00	71.0
25975	2.20	302.00	280.0	24.00	15.00	2.00	35.0
25976	6.70	71.00	-100.0	9.40	5.60	1.00	9.4
25977	2.70	3.30	-100.0	2.70	4.30	1.20	25.0
25978	2.00	-2.00	-100.0	2.60	3.70	-1.00	20.0
25979	28.90	21.00	390.0	13.00	17.00	13.00	67.0
25980	2.80	306.00	460.0	-2.00	27.00	1.20	51.0
25981	3.60	2.50	490.0	4.70	66.00	18.00	68.0
25982	1.80	2.10	420.0	2.10	54.00	11.00	38.0
25983	50.50	46.00	-100.0	11.00	17.00	2.10	55.0
25984	2.70	2.80	-100.0	5.00	9.40	1.80	36.0
25985	.89	3.30	310.0	13.00	37.00	8.60	37.0
25986	1.00	-2.00	520.0	2.70	35.00	16.00	77.0
25987	1.00	2.20	290.0	3.00	47.00	10.00	38.0
25988	1.50	3.20	460.0	4.40	44.00	17.00	65.0
25989	10.00	3.80	-100.0	27.00	33.00	4.00	280.0
25990	11.00	18.00	400.0	7.80	2.30	5.00	220.0

25991	16.00	27.00	130.0	27.00	3.10	2.60	140.0
25992	12.00	17.00	-100.0	41.00	-2.00	1.70	5120.0
25993	7.20	7.90	120.0	16.00	-2.00	2.20	3020.0
25994	1.10	-2.00	760.0	8.50	150.00	9.40	71.0
25995	11.00	-2.00	530.0	15.00	29.00	11.00	99.0
25996	2.40	-2.00	750.0	7.50	25.00	10.00	90.0
25997	2.30	-2.00	220.0	6.80	20.00	4.40	39.0
25998	1.60	-2.00	690.0	6.40	18.00	13.00	85.0
25999	2.10	-2.00	690.0	7.20	83.00	14.00	75.0
26000	3.00	306.00	530.0	-2.00	30.00	-1.00	47.0
26001	2.60	-2.00	-100.0	4.00	3.20	-1.00	41.0
26002	95.10	12.00	-100.0	3.40	-2.00	2.40	6.2
26003	80.50	20.00	-100.0	-2.00	-2.00	-1.00	-5.0
26004	29.40	15.00	-100.0	3.20	-2.00	-1.00	-5.0
26005	183.00	306.00	-100.0	5.10	-2.00	-1.00	13.0
26006	14.00	42.00	-100.0	2.80	8.60	1.30	18.0
26007	8.30	42.00	-100.0	-2.00	22.00	1.90	40.0
26008	96.50	8.10	350.0	5.40	79.00	7.50	110.0
26009	20.20	150.00	-100.0	15.00	16.00	-1.00	19.0
26010	25.10	15.00	440.0	5.80	54.00	18.00	84.0
26011	2.80	-2.00	370.0	4.20	63.00	14.00	80.0
26012	4.20	3.60	-100.0	5.50	-2.00	-1.00	-5.0
26013	6.80	3.20	-100.0	4.90	-2.00	-1.00	14.0
26014	3.80	-2.00	540.0	-2.00	59.00	14.00	65.0
26015	27.50	429.00	130.0	46.00	28.00	3.40	54.0
26016	1.80	-2.00	400.0	4.00	75.00	12.00	67.0
26017	7.30	28.00	370.0	12.00	44.00	14.00	120.0
26018	1.60	2.30	150.0	13.00	33.00	3.60	41.0
26019	2.20	2.80	340.0	5.80	37.00	8.10	34.0
26020	.33	2.90	440.0	-2.00	60.00	17.00	430.0
26021	16.00	33.00	180.0	80.00	53.00	6.50	74.0
26022	2.40	-2.00	240.0	4.10	16.00	6.90	25.0
26023	7.90	2.90	130.0	17.00	22.00	5.20	33.0
26024	106.00	250.00	400.0	11.00	224.00	6.40	110.0
26025	2.00	-2.00	510.0	5.10	35.00	8.00	51.0
26026	2.90	4.40	500.0	4.00	47.00	9.20	52.0
26027	4.20	2.80	450.0	9.10	20.00	14.00	77.0
26028	2.90	2.40	300.0	4.20	18.00	7.40	45.0
26101	1.40	4.30	710.0	7.90	63.00	14.00	67.0
26102	1.30	-2.00	610.0	5.00	88.00	15.00	86.0
26103	1.80	-2.00	540.0	8.00	180.00	11.00	71.0
26104	2.80	-2.00	470.0	15.00	100.00	11.00	71.0
26105	4.30	2.70	130.0	18.00	38.00	2.60	52.0
26106	8.90	7.30	-100.0	27.00	53.00	1.30	160.0
26107	11.00	30.00	1300.0	61.00	43.00	3.30	210.0
26108	15.00	38.00	120.0	73.00	51.00	-1.00	270.0
26109	10.00	15.00	230.0	21.00	72.00	2.40	310.0
26110	5.80	11.00	490.0	3.10	60.00	7.90	64.0
26111	2.50	-2.00	440.0	5.60	48.00	9.00	74.0
26112	3.00	3.50	630.0	13.00	24.00	16.00	76.0
26113	1.40	-2.00	890.0	6.60	120.00	13.00	76.0
26114	12.00	96.00	390.0	13.00	44.00	11.00	150.0
26115	1.30	-2.00	480.0	6.30	46.00	11.00	70.0
26116	4.00	8.70	510.0	8.70	150.00	12.00	84.0
26117	4.60	19.00	530.0	3.70	78.00	13.00	85.0
26118	3.90	14.00	520.0	8.30	85.00	24.00	84.0
26119	7.60	44.00	560.0	14.00	63.00	16.00	66.0
26120	1.40	-2.00	600.0	3.90	67.00	18.00	88.0
26121	1.10	-2.00	-100.0	4.00	6.40	-1.00	28.0
26122	1.90	-2.00	470.0	10.00	15.00	12.00	60.0
26123	4.90	-2.00	840.0	3.50	59.00	11.00	75.0
26124	1.70	-2.00	-100.0	4.70	17.00	1.40	38.0
26125	1.50	-2.00	140.0	5.40	16.00	2.00	17.0
26126	1.80	3.30	620.0	4.50	12.00	10.00	51.0
26127	10.00	5.70	510.0	4.00	27.00	13.00	76.0
26128	7.70	170.00	380.0	10.00	98.00	8.70	78.0

26129	18.00	2.80	-100.0	17.00	5.20	-1.00	12.0
26130	3.10	-2.00	-100.0	2.20	-2.00	-1.00	11.0
26131	1.70	11.00	130.0	15.00	22.00	2.40	47.0
26132	13.00	91.00	-100.0	20.00	8.50	-1.00	14.0
26133	18.00	100.00	400.0	120.00	59.00	3.50	82.0
26134	11.00	9.00	1700.0	14.00	66.00	19.00	78.0
26135	5.30	88.00	1800.0	53.00	49.00	5.00	48.0
26136	-.20	-2.00	610000.0	-2.00	258.00	3.70	55.0
26137	2.80	3.50	780.0	3.00	18.00	16.00	67.0
26138	18.00	7.00	180.0	24.00	120.00	4.60	79.0
26139	1.80	-2.00	340.0	7.50	25.00	8.30	54.0
26140	1.50	-2.00	510.0	9.00	70.00	11.00	61.0
26141	1.20	-2.00	1300.0	10.00	68.00	16.00	65.0
26142	.84	-2.00	150.0	8.20	22.00	3.80	34.0
26143	2.90	-2.00	380.0	9.20	170.00	13.00	85.0
26144	1.40	-2.00	350.0	7.10	21.00	10.00	41.0
26145	1.50	-2.00	260.0	5.50	29.00	11.00	35.0
26146	3.90	2.60	480.0	7.00	20.00	25.00	73.0
26147	4.50	7.50	350.0	5.00	13.00	11.00	320.0
26148	6.30	8.00	11700.0	15.00	6.10	3.00	43.0
26149	2.20	12.00	130.0	3.30	2.30	1.40	120.0
26150	7.00	15.00	2000.0	42.00	4.70	2.70	86.0
26151	4.90	25.00	850.0	63.00	4.60	6.70	210.0
26152	2.90	11.00	2400.0	41.00	-2.00	4.10	99.0
26153	7.80	31.00	310.0	37.00	4.00	3.90	120.0
26154	4.90	14.00	380.0	99.00	-2.00	5.20	240.0
26155	3.00	13.00	-100.0	18.00	-2.00	8.80	190.0
26156	2.20	-2.00	600.0	4.00	20.00	28.00	88.0
25605x2	9.00	3.10	420.0	-2.00	71.00	6.80	68.0
25623x2	3.00	12.00	740.0	6.20	81.00	9.30	79.0
25651x2	27.80	120.00	280.0	38.00	52.00	11.00	220.0
25676x2	4.10	88.00	190.0	51.00	75.00	11.00	220.0
25692x2	1.30	-2.00	350.0	4.50	70.00	8.50	43.0
25738x2	27.60	13.00	160.0	-2.00	110.00	19.00	200.0
25749x2	1.10	16.00	-100.0	6.10	49.00	3.50	200.0
25764x2	8.40	67.00	-100.0	16.00	4.40	-1.00	13.0
25789x2	1.50	-2.00	490.0	7.20	66.00	7.40	57.0
25815x2	.58	-2.00	190.0	-2.00	64.00	8.60	45.0
25834x2	3.40	-2.00	180.0	3.50	24.00	4.20	170.0
25847x2	1.70	14.00	-100.0	3.80	-2.00	-1.00	-5.0
25893x2	1.50	-2.00	260.0	5.30	11.00	6.00	60.0
26012x2	4.00	3.40	-100.0	5.20	-2.00	-1.00	-5.0
26106x2	8.20	7.40	-100.0	26.00	51.00	-1.00	170.0
26124x2	1.70	-2.00	-100.0	4.80	16.00	1.40	36.0
26147x2	4.00	5.70	340.0	4.60	12.00	12.00	320.0

S#	Co	Eu	Au	Hf	Ir	Fe	La
25939	2.40	1.00	-5.0	6.20	-20.0	.850	36.00
25940	16.00	1.00	300.0	2.50	-20.0	4.400	14.00
25941	27.00	1.90	-5.0	8.60	-20.0	3.400	41.00
25942	51.00	2.80	-5.0	11.00	-20.0	7.780	45.00
25943	8.20	4.70	-5.0	11.00	-20.0	4.500	106.00
25944	-1.00	1.80	11.0	6.90	-20.0	1.300	25.00
25945	21.00	1.10	-5.0	10.00	-20.0	7.210	15.00
25946	21.00	.88	-5.0	10.00	-20.0	7.070	12.00
25947	24.00	2.60	-5.0	11.00	-20.0	6.800	133.00
25948	7.00	1.40	-5.0	7.30	-20.0	8.880	20.00
25949	-1.00	-.50	-5.0	7.00	-20.0	1.300	7.50
25950	-1.00	-.50	-5.0	7.00	-20.0	1.200	6.10
25951	-1.00	-.50	-5.0	6.10	-20.0	1.000	6.00
25952	2.10	-.50	-5.0	-1.00	-20.0	1.500	3.30
25953	9.40	.50	-5.0	5.30	-20.0	8.980	8.30
25954	2.60	.56	-5.0	8.70	-20.0	13.100	8.60
25955	14.00	.52	-5.0	6.00	-20.0	11.200	10.00
25956	1.50	1.50	-5.0	6.70	-20.0	1.000	58.30

25957	1.50	1.60	-5.0	7.50	-20.0	.610	50.00
25958	-1.00	.70	-5.0	9.40	-20.0	1.400	22.00
25959	-1.00	-.50	-5.0	10.00	-20.0	.430	15.00
25960	23.00	.87	84.0	8.20	-20.0	4.100	36.00
25961	1.20	1.10	-5.0	12.00	-20.0	.330	72.00
25962	-1.00	-.50	-5.0	4.80	-20.0	.530	13.00
25963	-1.00	-.50	-5.0	9.10	-20.0	.830	12.00
25964	-1.00	-.50	-5.0	1.70	-20.0	.530	.82
25965	-1.00	-.50	-5.0	1.60	-20.0	.380	.85
25966	-1.00	-.50	-5.0	-1.00	-20.0	1.800	.75
25967	-1.00	-.50	-5.0	2.30	-20.0	.360	1.50
25968	14.00	2.80	-5.0	1.90	-20.0	.900	45.00
25969	-1.00	-.50	-5.0	1.70	-20.0	.850	1.10
25970	-1.00	-.50	-5.0	1.90	-20.0	.530	1.30
25971	-1.00	-.50	-5.0	2.20	-20.0	.620	1.70
25972	-1.00	-.50	-5.0	-1.00	-20.0	1.300	.85
25973	-1.00	-.50	-5.0	2.80	-20.0	.660	1.30
25974	-1.00	-.50	-5.0	3.90	-20.0	5.840	10.00
25975	5.80	-.50	-5.0	2.00	-20.0	12.900	5.90
25976	1.50	-.50	5.3	-1.00	-20.0	4.500	2.30
25977	-1.00	-.50	-5.0	2.40	-20.0	1.200	2.40
25978	-1.00	-.50	-5.0	3.90	-20.0	.340	1.60
25979	-1.00	-.50	-5.0	7.30	-20.0	1.600	8.90
25980	16.00	1.00	230.0	2.50	-20.0	4.600	15.00
25981	-1.00	.81	-5.0	7.30	-20.0	.600	32.00
25982	1.20	.55	-5.0	6.60	-20.0	.680	25.00
25983	-1.00	-.50	-5.0	4.00	-20.0	2.600	5.70
25984	1.00	-.50	-5.0	4.50	-20.0	1.300	4.30
25985	-1.00	-.50	-5.0	9.10	-20.0	.480	17.00
25986	1.80	.57	-5.0	7.10	-20.0	1.000	17.00
25987	-1.00	.91	-5.0	5.40	-20.0	.690	28.00
25988	-1.00	.52	-5.0	7.00	-20.0	.650	22.00
25989	3.20	.52	-5.0	5.30	-20.0	1.000	13.00
25990	49.00	-.50	-5.0	-1.00	-20.0	7.290	1.50
25991	15.00	.61	-5.0	1.30	-20.0	14.500	1.30
25992	15.00	-.50	-5.0	-1.00	-20.0	14.300	1.20
25993	32.00	-.50	-5.0	-1.00	-20.0	7.710	1.00
25994	-1.00	2.20	-5.0	8.90	-20.0	.490	67.00
25995	-1.00	-.50	-5.0	7.60	-20.0	.440	14.00
25996	-1.00	.51	-5.0	10.00	-20.0	.620	10.00
25997	-1.00	-.50	-5.0	10.00	-20.0	.400	10.00
25998	-1.00	-.50	-5.0	7.10	-20.0	.540	10.00
25999	-1.00	.94	-5.0	7.20	-20.0	.570	37.00
26000	16.00	1.00	400.0	2.60	-20.0	4.500	15.00
26001	-1.00	-.50	-5.0	2.50	-20.0	.580	1.50
26002	-1.00	-.50	-5.0	-1.00	-20.0	5.230	1.00
26003	-1.00	-.50	-5.0	-1.00	-20.0	1.300	-.50
26004	-1.00	-.50	-5.0	-1.00	-20.0	1.700	-.50
26005	-1.00	-.50	41.0	-1.00	-20.0	5.260	2.10
26006	1.00	-.50	-5.0	2.10	-20.0	.780	4.80
26007	2.50	-.50	-5.0	2.90	-20.0	1.100	12.00
26008	-1.00	1.00	11.0	5.50	-20.0	.850	39.00
26009	3.90	.59	-5.0	1.50	-20.0	1.700	7.40
26010	-1.00	.60	15.0	5.60	-20.0	3.100	27.00
26011	-1.00	.71	28.0	5.80	-20.0	.520	33.00
26012	-1.00	-.50	-5.0	-1.00	-20.0	.880	.57
26013	-1.00	-.50	-5.0	-1.00	-20.0	1.900	.81
26014	4.10	.73	-5.0	6.50	-20.0	1.300	31.00
26015	1.90	1.30	-5.0	2.30	-20.0	15.900	15.00
26016	-1.00	.79	-5.0	5.10	-20.0	.660	38.00
26017	-1.00	.63	7.2	5.90	-20.0	2.200	27.00
26018	3.10	-.50	-5.0	7.70	-20.0	1.300	17.00
26019	-1.00	.61	-5.0	7.80	-20.0	.650	20.00
26020	21.00	1.00	53.0	8.10	-20.0	4.100	34.00
26021	3.20	-.50	-5.0	6.30	-20.0	7.500	20.00
26022	-1.00	-.50	-5.0	7.60	-20.0	.360	8.20

26023	-1.00	-.50	-5.0	3.70	-20.0	.410	13.00
26024	-1.00	4.20	-5.0	6.30	-20.0	4.000	123.00
26025	-1.00	.54	-5.0	7.40	-20.0	.510	18.00
26026	-1.00	.87	-5.0	7.70	-20.0	.600	37.00
26027	-1.00	-.50	-5.0	6.50	-20.0	.580	14.00
26028	-1.00	-.50	-5.0	5.60	-20.0	.550	16.00
26101	-1.00	.68	-5.0	7.10	-20.0	.530	32.00
26102	-1.00	1.00	-5.0	8.50	-20.0	.660	48.00
26103	1.60	1.50	-5.0	6.90	-20.0	.490	96.20
26104	1.30	1.40	-5.0	13.00	-20.0	.510	54.30
26105	1.40	.59	-5.0	4.30	-20.0	1.100	23.00
26106	8.40	1.20	-5.0	7.70	-20.0	4.200	28.00
26107	8.20	.84	-5.0	8.10	-20.0	9.400	22.00
26108	17.00	1.90	-5.0	8.90	-20.0	11.200	25.00
26109	16.00	2.50	-5.0	7.90	-20.0	5.010	36.00
26110	1.50	.78	-5.0	7.40	-20.0	1.200	32.00
26111	-1.00	.83	-5.0	7.70	-20.0	.550	25.00
26112	-1.00	-.50	10.0	7.20	-20.0	.630	13.00
26113	1.20	2.60	-5.0	5.70	-20.0	.730	61.40
26114	-1.00	.82	-5.0	7.10	-20.0	12.800	25.00
26115	-1.00	.75	-5.0	7.80	-20.0	.830	25.00
26116	-1.00	1.30	-5.0	7.30	-20.0	4.600	90.30
26117	-1.00	1.00	-5.0	7.20	-20.0	1.500	48.00
26118	-1.00	1.30	-5.0	7.90	-20.0	1.200	43.00
26119	1.10	1.00	-5.0	6.70	-20.0	1.400	31.00
26120	1.80	.81	-5.0	7.00	-20.0	.630	43.00
26121	-1.00	-.50	-5.0	3.50	-20.0	.510	3.70
26122	-1.00	-.50	-5.0	6.40	-20.0	.540	8.20
26123	-1.00	.65	-5.0	11.00	-20.0	.590	33.00
26124	-1.00	-.50	-5.0	4.90	-20.0	.450	9.30
26125	-1.00	-.50	-5.0	5.70	-20.0	.430	8.50
26126	-1.00	-.50	-5.0	7.30	-20.0	.620	7.20
26127	-1.00	.75	-5.0	6.10	-20.0	.580	17.00
26128	1.80	.70	-5.0	7.40	-20.0	5.520	103.00
26129	-1.00	-.50	-5.0	-1.00	-20.0	.750	2.50
26130	-1.00	-.50	-5.0	1.00	-20.0	.610	1.00
26131	1.90	-.50	-5.0	5.00	-20.0	1.400	12.00
26132	-1.00	-.50	13.0	2.20	-20.0	5.110	4.50
26133	-1.00	-.50	35.0	7.40	-20.0	7.080	32.00
26134	1.90	-.50	-5.0	5.80	-20.0	1.000	38.00
26135	1.90	.73	-5.0	2.80	-20.0	5.310	31.00
26136	1.70	7.80	-11.0	2.90	-20.0	.100	503.00
26137	-1.00	-.50	-5.0	5.60	-20.0	.620	8.80
26138	1.30	.74	-5.0	8.50	-20.0	.440	76.00
26139	-1.00	-.50	-5.0	6.90	-20.0	.540	13.00
26140	1.00	1.20	-5.0	8.20	-20.0	.620	37.00
26141	-1.00	.84	-5.0	6.90	-20.0	.760	35.00
26142	-1.00	-.50	-5.0	6.30	-20.0	.330	12.00
26143	1.60	1.40	-5.0	7.80	-20.0	.670	105.00
26144	-1.00	-.50	-5.0	5.60	-20.0	.560	11.00
26145	-1.00	-.50	-5.0	6.00	-20.0	.690	15.00
26146	-1.00	-.50	-5.0	7.40	-20.0	.570	9.10
26147	36.00	-.50	-5.0	-1.00	-20.0	4.300	4.20
26148	2.00	-.50	-5.0	2.60	-20.0	2.500	3.20
26149	27.00	-.50	-5.0	-1.00	-20.0	7.590	-.50
26150	18.00	-.50	-5.0	1.50	-20.0	10.400	2.70
26151	23.00	-.50	-5.0	1.20	-20.0	12.300	2.30
26152	33.00	-.50	-5.0	1.40	-20.0	8.950	1.30
26153	48.00	-.50	-5.0	1.10	-20.0	14.800	1.20
26154	28.00	-.50	-5.0	1.50	-20.0	13.900	1.60
26155	38.00	-.50	-5.0	-1.00	-20.0	20.700	.87
26156	-1.00	-.50	6.7	6.80	-20.0	.710	10.00
25605x2	1.50	1.10	-5.0	8.50	-20.0	.950	36.00
25623x2	-1.00	1.10	-5.0	7.60	-20.0	1.900	42.00
25651x2	4.20	1.50	12.0	7.60	-20.0	12.100	31.00
25676x2	8.80	1.90	8.7	8.70	-20.0	5.820	40.00

25692x2	-1.00	1.20	-5.0	8.10	-20.0	.480	36.00
25738x2	-1.00	4.60	-5.0	6.50	-20.0	.600	69.10
25749x2	61.00	1.70	-5.0	5.60	-20.0	17.300	22.00
25764x2	20.00	-.50	21.0	-1.00	-20.0	1.900	.81
25789x2	-1.00	1.20	-5.0	5.00	-20.0	.410	35.00
25815x2	2.00	.80	-5.0	8.40	-20.0	1.300	33.00
25834x2	31.00	.60	-5.0	5.90	-20.0	5.230	13.00
25847x2	-1.00	-.50	-5.0	-1.00	-20.0	.860	-.50
25893x2	-1.00	-.50	-5.0	7.20	-20.0	.520	6.90
26012x2	-1.00	-.50	-5.0	-1.00	-20.0	.850	.51
26106x2	8.90	1.20	-5.0	7.20	-20.0	4.600	27.00
26124x2	-1.00	-.50	-5.0	4.60	-20.0	.420	8.90
26147x2	36.00	-.50	-5.0	-1.00	-20.0	4.100	4.30

S#	Lu	Mo	K	Rb	Sm	Sc	Se
25939	.76	-5.0	4.100	230.0	7.80	18.30	-5.0
25940	.32	-5.0	1.900	35.0	4.10	12.60	-5.0
25941	.71	-5.0	2.400	180.0	10.00	28.20	-5.0
25942	.86	-5.0	1.500	92.0	13.00	54.10	-5.0
25943	.71	-5.0	-.200	-20.0	21.10	48.70	-5.0
25944	.59	-18.0	3.800	290.0	8.00	40.30	-5.0
25945	.71	-5.0	.670	68.0	4.60	39.50	-5.0
25946	.71	-5.0	.420	44.0	4.00	30.30	-5.0
25947	.88	-5.0	1.300	98.0	16.00	29.30	-5.0
25948	.55	-5.0	.890	83.0	4.90	29.10	-5.0
25949	.46	-5.0	1.900	100.0	1.40	8.50	-5.0
25950	.53	-5.0	3.100	160.0	1.40	11.20	-5.0
25951	.50	-5.0	3.000	160.0	1.20	10.80	-5.0
25952	-.20	-5.0	-.200	-20.0	.89	1.00	-5.0
25953	.36	-5.0	-.200	-20.0	1.70	22.70	-5.0
25954	.49	-5.0	-.200	29.0	1.90	28.60	-5.0
25955	.40	-5.0	-.200	27.0	2.30	21.30	-5.0
25956	.81	-5.0	4.700	270.0	11.00	18.60	-5.0
25957	.74	-5.0	3.100	180.0	8.80	13.50	-5.0
25958	.80	-5.0	3.500	220.0	4.80	15.70	-5.0
25959	.40	-5.0	.870	42.0	2.30	3.40	-5.0
25960	.44	-5.0	2.100	190.0	7.40	11.40	-5.0
25961	.71	-5.0	1.100	68.0	8.90	11.20	-5.0
25962	.26	-5.0	1.200	54.0	1.90	4.60	-5.0
25963	.50	-5.0	2.100	150.0	1.40	8.90	-5.0
25964	-.20	-5.0	-.200	-20.0	-.20	.30	-5.0
25965	-.20	-5.0	-.200	-20.0	.22	.47	-5.0
25966	-.20	-5.0	-.200	-20.0	-.20	.20	-5.0
25967	-.20	-5.0	-.200	-20.0	.30	.39	-5.0
25968	.41	-5.0	-.200	-20.0	13.00	10.00	28.0
25969	-.20	-5.0	-.200	-20.0	.25	.30	-5.0
25970	-.20	-5.0	-.200	-20.0	.32	.32	-5.0
25971	-.20	-5.0	-.200	-20.0	.35	.37	-5.0
25972	-.20	-5.0	-.200	-20.0	-.20	.26	-5.0
25973	-.20	-5.0	-.200	-20.0	.31	.60	-5.0
25974	-.20	-24.0	.250	-20.0	2.20	3.60	13.0
25975	-.20	-5.0	-.200	32.0	1.80	4.40	-5.0
25976	-.20	5.7	-.200	-20.0	.70	1.00	-5.0
25977	-.20	-5.0	-.200	-20.0	.38	.83	-5.0
25978	.22	-5.0	-.200	-20.0	.51	1.10	-5.0
25979	.63	34.0	2.800	140.0	1.70	11.60	-5.0
25980	.34	-5.0	1.900	52.0	4.30	13.10	-5.0
25981	.60	-5.0	3.300	180.0	5.20	14.30	-5.0
25982	.49	-5.0	2.900	140.0	4.00	11.40	-5.0
25983	-.20	27.0	.340	-20.0	2.10	18.70	-5.0
25984	-.20	-5.0	.220	-20.0	.80	1.90	-5.0
25985	.54	-5.0	2.000	100.0	2.40	8.80	-5.0
25986	.68	-5.0	4.200	200.0	2.90	16.90	-5.0
25987	.45	-5.0	2.000	110.0	5.20	9.50	-5.0
25988	.59	-5.0	3.300	170.0	3.70	11.90	-5.0

	Lu	Mo	K	Kb	Sm	Sc	Cr
25989	.26	-5.0	-.200	-20.0	3.10	12.50	-5.0
25990	-.20	-5.0	.520	53.0	.73	52.80	-5.0
25991	.50	-5.0	.340	-20.0	1.20	67.20	-5.0
25992	-.20	-5.0	-.200	-20.0	.42	40.60	-5.0
25993	-.20	-5.0	-.200	-20.0	.37	23.00	-5.0
25994	.77	-5.0	3.400	190.0	14.00	12.60	-5.0
25995	.52	-5.0	2.500	180.0	2.00	11.50	-5.0
25996	.76	-5.0	4.000	210.0	2.30	15.60	-5.0
25997	.56	-5.0	1.200	75.0	1.60	7.20	-5.0
25998	.68	-5.0	4.000	230.0	1.40	15.80	-5.0
25999	.66	-5.0	3.900	210.0	6.10	15.40	-5.0
26000	.33	-5.0	2.000	45.0	4.20	13.10	-5.0
26001	-.20	-5.0	-.200	-20.0	.34	.72	-5.0
26002	-.20	-5.0	-.200	-20.0	.45	1.00	-5.0
26003	-.20	-5.0	.220	-20.0	-.20	.18	-5.0
26004	-.20	-5.0	-.200	-20.0	-.20	.13	-5.0
26005	-.20	-5.0	.240	-20.0	.21	.36	-5.0
26006	-.20	-5.0	.400	-20.0	.87	1.40	-5.0
26007	-.20	-5.0	.440	28.0	2.00	2.40	-5.0
26008	.68	-5.0	3.200	170.0	6.70	12.50	-5.0
26009	-.20	-5.0	-.200	-20.0	2.50	3.60	-5.0
26010	.72	-5.0	3.500	190.0	5.00	14.70	7.0
26011	.66	-5.0	3.300	210.0	5.60	13.00	-5.0
26012	-.20	-5.0	-.200	-20.0	-.20	.33	-5.0
26013	-.20	-5.0	-.200	-20.0	.21	.18	-5.0
26014	.65	-5.0	3.000	170.0	5.50	12.70	-5.0
26015	.29	-5.0	.460	54.0	4.90	10.10	-5.0
26016	.59	-5.0	3.400	180.0	6.60	11.50	-5.0
26017	.63	-5.0	3.400	180.0	4.00	14.00	-5.0
26018	.36	-5.0	1.200	49.0	3.20	4.40	-5.0
26019	.51	-5.0	1.900	96.0	3.60	7.80	-5.0
26020	.41	-5.0	1.800	200.0	7.10	11.20	-5.0
26021	.47	-5.0	.910	53.0	3.00	11.50	13.0
26022	.42	-5.0	1.400	78.0	1.60	6.10	-5.0
26023	.27	-5.0	.540	30.0	1.60	3.20	-5.0
26024	.86	-5.0	.490	33.0	21.80	17.80	-5.0
26025	.55	-5.0	2.000	100.0	3.60	8.40	-5.0
26026	.71	-5.0	3.000	150.0	5.10	12.10	-5.0
26027	.45	-5.0	3.100	170.0	2.20	11.60	-5.0
26028	.42	-5.0	2.000	99.0	2.10	8.00	-5.0
26101	.71	-5.0	3.700	200.0	5.20	14.00	-5.0
26102	.83	-5.0	3.800	220.0	7.50	15.90	-5.0
26103	.75	-5.0	3.200	170.0	12.00	14.60	-5.0
26104	.83	-5.0	2.800	160.0	9.20	11.80	-5.0
26105	.28	-5.0	.460	26.0	2.70	6.00	-5.0
26106	.57	-5.0	-.200	-20.0	5.70	18.70	-5.0
26107	.51	-5.0	2.100	110.0	4.60	26.00	-5.0
26108	.53	-5.0	.210	-20.0	7.00	32.60	-5.0
26109	.47	-5.0	.820	51.0	10.00	37.00	-5.0
26110	.70	-5.0	3.500	180.0	5.40	12.90	-5.0
26111	.64	-5.0	2.900	150.0	4.70	11.00	-5.0
26112	.71	-5.0	3.700	240.0	2.10	15.80	-5.0
26113	.77	-5.0	3.400	190.0	17.00	16.70	-5.0
26114	.45	-29.0	1.800	170.0	4.40	35.70	-5.0
26115	.74	-5.0	3.100	180.0	4.50	13.20	-5.0
26116	.75	-5.0	3.300	200.0	11.00	14.40	-5.0
26117	.72	-5.0	3.300	210.0	6.30	14.40	-5.0
26118	.84	-5.0	3.700	240.0	8.50	17.80	-5.0
26119	.72	-5.0	3.500	220.0	6.00	14.80	-5.0
26120	.79	-5.0	4.600	250.0	5.20	17.60	-5.0
26121	-.20	-5.0	.230	-20.0	.62	1.40	-5.0
26122	.66	-5.0	3.800	210.0	1.40	14.50	-5.0
26123	.90	-5.0	4.400	240.0	4.60	15.90	-5.0
26124	.21	-5.0	.290	-20.0	1.40	1.70	-5.0
26125	.28	-5.0	.570	33.0	1.50	2.80	-5.0
26126	.56	-5.0	3.400	180.0	1.40	12.80	-5.0

26127	.49	-5.0	3.300	190.0	2.80	12.30	-5.0
26128	.55	-5.0	2.400	130.0	4.90	12.40	-5.0
26129	-.20	-5.0	-.200	-20.0	1.40	4.90	-5.0
26130	-.20	-5.0	-.200	-20.0	.21	.28	-5.0
26131	.33	-5.0	.670	33.0	1.80	5.80	-5.0
26132	-.20	-5.0	-.200	-20.0	.53	.81	-5.0
26133	.46	-15.0	.690	38.0	3.50	7.90	-5.0
26134	.44	-11.0	3.900	190.0	2.80	12.00	-5.0
26135	.29	-5.0	.500	32.0	4.70	7.60	-5.0
26136	-.20	-14.0	1.300	-20.0	22.50	5.60	19.0
26137	.58	-5.0	4.200	210.0	2.10	15.10	-5.0
26138	.50	-5.0	.500	-20.0	6.10	8.20	-5.0
26139	.54	-5.0	2.000	100.0	2.60	10.00	-5.0
26140	.79	-5.0	2.800	140.0	6.70	12.30	-5.0
26141	.71	-5.0	3.600	200.0	6.10	15.80	-5.0
26142	.41	-5.0	.930	47.0	2.20	4.00	-5.0
26143	.79	-5.0	2.300	130.0	10.00	12.80	-5.0
26144	.52	-5.0	2.400	120.0	2.30	10.40	-5.0
26145	.55	-5.0	2.400	110.0	2.50	9.10	-5.0
26146	.47	-5.0	3.200	150.0	2.30	12.00	-5.0
26147	-.20	-5.0	.760	91.0	2.10	61.50	-5.0
26148	.29	-5.0	1.100	42.0	.82	16.60	-5.0
26149	.25	-5.0	.370	21.0	.63	54.90	-5.0
26150	.34	-5.0	.700	51.0	1.00	36.10	-5.0
26151	.24	-5.0	.240	47.0	.90	43.30	-5.0
26152	.33	-5.0	1.300	69.0	1.00	40.10	-5.0
26153	.25	-5.0	.420	52.0	.80	81.80	-5.0
26154	-.20	-5.0	.490	43.0	.80	60.50	-5.0
26155	-.20	-5.0	-.200	87.0	.46	109.00	-5.0
26156	.69	-5.0	4.100	220.0	1.90	16.20	-5.0
25605x2	.72	-5.0	2.400	140.0	6.90	10.00	-5.0
25623x2	.77	-5.0	3.700	180.0	8.10	14.40	-5.0
25651x2	.63	-5.0	1.600	200.0	7.40	35.70	-5.0
25676x2	.59	-5.0	.890	83.0	9.00	23.60	-5.0
25692x2	.65	-5.0	2.400	120.0	7.30	9.00	-5.0
25738x2	.58	-5.0	3.000	270.0	18.00	21.20	-5.0
25749x2	.44	-5.0	.250	55.0	6.60	30.00	-5.0
25764x2	-.20	-5.0	-.200	-20.0	.24	2.40	-5.0
25789x2	.50	-5.0	2.500	150.0	6.20	10.00	-5.0
25815x2	.60	-5.0	2.000	120.0	5.70	9.00	-5.0
25834x2	.45	-5.0	.370	47.0	2.60	30.00	-5.0
25847x2	-.20	-5.0	-.200	-20.0	-.20	.11	-5.0
25893x2	.44	-5.0	1.700	91.0	1.00	5.60	-5.0
26012x2	-.20	-5.0	-.200	-20.0	-.20	.31	-5.0
26106x2	.58	-5.0	.220	-20.0	5.30	18.80	-5.0
26124x2	-.20	-5.0	.340	-20.0	1.30	1.60	-5.0
26147x2	-.20	-5.0	.790	74.0	2.10	60.50	-5.0

S#	Ag	Ta	Th	Sn	W	U	Yb
25939	-5.00	-1.00	21.00	-500.0	-2.00	3.40	3.90
25940	-5.00	-1.00	2.30	-500.0	-2.00	-2.00	1.60
25941	-5.00	2.30	11.00	-500.0	-2.00	-2.00	3.70
25942	-5.00	3.30	11.00	-500.0	-2.00	-2.00	4.30
25943	-5.00	4.10	11.00	-500.0	-2.00	-2.00	3.70
25944	-5.00	2.30	19.00	-500.0	-2.00	10.00	3.10
25945	-5.00	2.70	15.00	-500.0	-2.00	2.80	3.90
25946	-5.00	3.20	18.00	-500.0	-2.00	-2.00	3.70
25947	-5.00	2.80	20.00	-500.0	-2.00	-2.00	4.20
25948	-5.00	2.60	10.00	-500.0	-2.00	-2.00	2.80
25949	-5.00	1.60	8.20	-500.0	2.20	-2.00	2.30
25950	-5.00	1.60	10.00	-500.0	-2.00	3.10	2.70
25951	-5.00	1.30	10.00	-500.0	2.60	2.20	2.40
25952	-5.00	-1.00	1.60	-500.0	-2.00	-2.00	-.50
25953	-5.00	1.70	5.50	-500.0	-2.00	-2.00	1.90
25954	-5.00	2.80	11.00	-500.0	3.90	-2.00	2.50

	I	Hg	Ta	Th	Sn	W	U	Yb
25955		-5.00	2.10	6.80	-500.0	-2.00	-2.00	2.00
25956		-5.00	2.00	22.00	-500.0	-2.00	3.90	4.20
25957		-5.00	1.40	12.00	-500.0	-2.00	3.40	3.90
25958		-5.00	2.90	24.00	-500.0	3.00	7.30	4.10
25959		-5.00	-1.00	4.60	-500.0	-2.00	-2.00	1.90
25960		-5.00	3.10	14.00	-500.0	6.20	3.90	2.20
25961		-5.00	4.10	16.00	-500.0	-2.00	2.40	3.50
25962		-5.00	-1.00	3.90	-500.0	-2.00	-2.00	1.30
25963		-5.00	1.40	9.30	-500.0	-2.00	2.80	2.40
25964		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25965		-5.00	-1.00	.54	-500.0	-2.00	-2.00	-.50
25966		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25967		-5.00	-1.00	.95	-500.0	-2.00	-2.00	-.50
25968		-5.00	-1.00	5.90	-500.0	-2.00	6.00	2.60
25969		-5.00	-1.00	.61	-500.0	-2.00	-2.00	-.50
25970		-5.00	-1.00	.75	-500.0	-2.00	-2.00	-.50
25971		-5.00	-1.00	.85	-500.0	-2.00	-2.00	-.50
25972		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25973		-5.00	-1.00	.90	-500.0	-2.00	-2.00	.51
25974		-5.00	-1.00	18.00	-500.0	-2.00	10.00	.82
25975		-5.00	-1.00	2.70	-500.0	3.90	-2.00	.89
25976		-5.00	-1.00	.90	-500.0	-2.00	-2.00	-.50
25977		-5.00	-1.00	1.30	-500.0	-2.00	-2.00	.52
25978		-5.00	-1.00	2.20	-500.0	-2.00	-2.00	1.10
25979		-5.00	1.40	10.00	-500.0	2.20	3.80	3.20
25980		-5.00	1.30	1.90	-500.0	-2.00	-2.00	1.60
25981		-5.00	1.80	11.00	-500.0	2.20	2.80	2.90
25982		-5.00	1.10	7.40	-500.0	-2.00	2.10	2.50
25983		-5.00	-1.00	10.00	-500.0	-2.00	6.70	.83
25984		-5.00	-1.00	1.90	-500.0	-2.00	-2.00	1.00
25985		-5.00	1.00	6.50	-500.0	-2.00	2.10	2.60
25986		-5.00	1.10	7.30	-500.0	-2.00	2.60	3.70
25987		-5.00	-1.00	8.40	-500.0	-2.00	-2.00	2.30
25988		-5.00	1.10	10.00	-500.0	-2.00	2.80	3.00
25989		-5.00	-1.00	12.00	-500.0	-2.00	-2.00	1.30
25990		-5.00	-1.00	1.70	-500.0	-2.00	-2.00	1.20
25991		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	3.00
25992		-5.00	-1.00	.58	-500.0	-2.00	-2.00	-.50
25993		-5.00	-1.00	.58	-500.0	-2.00	-2.00	-.50
25994		-5.00	1.50	13.00	-500.0	3.30	-2.00	3.90
25995		-5.00	2.10	9.40	-500.0	4.30	2.90	2.70
25996		-5.00	1.80	14.00	-500.0	3.40	4.10	3.80
25997		-5.00	1.30	13.00	-500.0	2.60	4.30	2.60
25998		-5.00	1.60	14.00	-500.0	-2.00	3.50	3.30
25999		-5.00	1.50	18.00	-500.0	-2.00	3.90	3.40
26000		-5.00	-1.00	2.00	-500.0	2.90	-2.00	1.70
26001		-5.00	-1.00	1.00	-500.0	-2.00	-2.00	-.50
26002		-5.00	-1.00	1.00	-500.0	-2.00	-2.00	-.50
26003		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
26004		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
26005		91.00	-1.00	.66	-500.0	2.30	-2.00	-.50
26006		-5.00	-1.00	1.80	-500.0	2.10	-2.00	-.50
26007		-5.00	-1.00	3.50	-500.0	2.00	-2.00	.77
26008		-5.00	1.50	11.00	-500.0	-2.00	3.90	3.40
26009		-5.00	-1.00	3.80	-500.0	-2.00	2.20	.72
26010		-5.00	1.90	15.00	-500.0	3.40	5.30	3.60
26011		-5.00	1.60	12.00	-500.0	5.50	4.20	3.30
26012		-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
26013		10.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
26014		-5.00	-1.00	16.00	-500.0	3.10	2.40	3.20
26015		-5.00	-1.00	9.20	-500.0	4.10	3.80	1.40
26016		-5.00	-1.00	9.00	-500.0	-2.00	-2.00	2.90
26017		-5.00	1.10	18.00	-500.0	-2.00	4.20	3.30
26018		-5.00	-1.00	6.20	-500.0	-2.00	-2.00	1.80
26019		-5.00	-1.00	6.10	-500.0	-2.00	2.30	2.50
26020		-5.00	3.90	13.00	-500.0	4.80	4.40	2.00

26021	-5.00	1.00	17.00	-500.0	-2.00	4.20	2.50
26022	-5.00	-1.00	4.20	-500.0	3.40	-2.00	2.10
26023	-5.00	1.20	3.90	-500.0	-2.00	-2.00	1.40
26024	-5.00	1.20	21.00	-500.0	3.30	5.10	3.80
26025	-5.00	1.60	5.80	-500.0	2.10	2.80	2.90
26026	-5.00	1.30	7.20	-500.0	-2.00	3.00	3.50
26027	-5.00	-1.00	8.70	-500.0	-2.00	3.30	2.30
26028	-5.00	-1.00	3.70	-500.0	-2.00	2.90	2.20
26101	-5.00	1.50	16.00	-500.0	2.80	3.20	3.50
26102	-5.00	2.60	19.00	-500.0	2.70	3.40	4.00
26103	-5.00	2.30	15.00	-500.0	-2.00	-2.00	3.60
26104	-5.00	1.70	16.00	-500.0	3.50	4.20	4.00
26105	-5.00	-1.00	5.30	-500.0	-2.00	-2.00	1.40
26106	-5.00	2.20	8.00	-500.0	-2.00	-2.00	2.80
26107	-5.00	3.20	6.50	-500.0	-2.00	-2.00	2.50
26108	-5.00	3.10	7.40	-500.0	4.50	-2.00	2.80
26109	-5.00	3.10	6.60	-500.0	-2.00	-2.00	2.80
26110	-5.00	1.40	14.00	-500.0	-2.00	2.90	3.40
26111	-5.00	1.60	17.00	-500.0	2.00	2.50	3.40
26112	-5.00	2.00	17.00	-500.0	2.70	3.70	3.60
26113	-5.00	1.50	15.00	-500.0	-2.00	-2.00	3.90
26114	-5.00	1.40	56.50	-500.0	-2.00	16.00	2.40
26115	-5.00	1.50	12.00	-500.0	-2.00	3.20	3.60
26116	-5.00	1.40	30.00	-500.0	2.40	3.60	3.60
26117	-5.00	1.10	25.00	-500.0	-2.00	3.30	3.20
26118	-5.00	2.20	45.00	-500.0	-2.00	2.90	4.00
26119	-5.00	2.00	14.00	-500.0	3.10	2.80	3.40
26120	-5.00	2.10	15.00	-500.0	-2.00	3.20	3.70
26121	-5.00	-1.00	1.90	-500.0	-2.00	-2.00	.78
26122	-5.00	1.30	11.00	-500.0	-2.00	2.90	3.20
26123	-5.00	1.60	16.00	-500.0	-2.00	4.50	4.30
26124	-5.00	-1.00	2.70	-500.0	-2.00	-2.00	1.00
26125	-5.00	-1.00	3.20	-500.0	-2.00	-2.00	1.30
26126	-5.00	1.20	11.00	-500.0	-2.00	3.20	2.60
26127	-5.00	-1.00	9.20	-500.0	-2.00	2.70	2.40
26128	-5.00	1.20	37.00	-500.0	-2.00	2.90	2.40
26129	-5.00	-1.00	2.00	-500.0	-2.00	3.30	-.50
26130	-5.00	-1.00	.70	-500.0	-2.00	-2.00	-.50
26131	-5.00	-1.00	7.20	-500.0	-2.00	4.90	1.60
26132	-5.00	-1.00	2.70	-500.0	2.60	-2.00	-.50
26133	-5.00	1.50	17.00	-500.0	2.80	7.90	2.10
26134	-5.00	1.60	12.00	-500.0	2.20	6.20	2.00
26135	-5.00	-1.00	6.60	-500.0	-2.00	2.20	1.50
26136	-5.00	-1.00	-.50	-500.0	-2.00	-5.70	1.20
26137	-5.00	1.40	7.50	-500.0	-2.00	2.80	2.80
26138	-5.00	1.50	13.00	-500.0	2.10	-2.00	2.00
26139	-5.00	-1.00	5.40	-500.0	-2.00	-2.00	2.80
26140	-5.00	1.60	12.00	-500.0	-2.00	-2.00	3.90
26141	-5.00	1.10	13.00	-500.0	-2.00	2.50	3.50
26142	-5.00	1.10	3.70	-500.0	-2.00	-2.00	2.00
26143	-5.00	1.90	15.00	-500.0	-2.00	-2.00	3.70
26144	-5.00	-1.00	7.20	-500.0	-2.00	2.00	2.50
26145	-5.00	1.00	4.90	-500.0	-2.00	2.20	2.80
26146	-5.00	1.20	14.00	-500.0	-2.00	2.60	2.20
26147	-5.00	-1.00	3.30	-500.0	-2.00	-2.00	-.50
26148	-5.00	-1.00	1.20	-500.0	-2.00	-2.00	1.30
26149	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	1.40
26150	-5.00	-1.00	.64	-500.0	-2.00	-2.00	1.70
26151	-5.00	-1.00	1.50	-500.0	-2.00	-2.00	1.40
26152	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	1.80
26153	-5.00	-1.00	.77	-500.0	-2.00	-2.00	1.40
26154	-5.00	-1.00	1.40	-500.0	-2.00	-2.00	1.10
26155	-11.00	-1.00	.60	-500.0	-2.00	-2.00	.81
26156	-5.00	1.40	10.00	-500.0	2.70	4.00	3.40
25605x2	-5.00	-1.00	12.00	-500.0	-2.00	-2.00	3.60
25623x2	-5.00	1.70	13.00	-500.0	-2.00	2.20	3.80

25651x2	-5.00	2.30	7.40	-500.0	3.20	-2.00	3.10
25676x2	-5.00	3.40	8.10	-500.0	-2.00	-2.00	2.90
25692x2	-5.00	1.00	11.00	-500.0	-2.00	-2.00	3.40
25738x2	-5.00	2.30	9.50	-500.0	2.60	-2.00	3.00
25749x2	-5.00	1.70	5.20	-500.0	-2.00	-2.00	2.40
25764x2	-5.00	-1.00	2.50	-500.0	-2.00	-2.00	-.50
25789x2	-5.00	-1.00	10.00	-500.0	-2.00	-2.00	2.50
[illegible]815x2	-5.00	1.10	10.00	-500.0	-2.00	-2.00	2.90
25834x2	-5.00	2.10	6.10	-500.0	-2.00	-2.00	2.20
25847x2	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
25893x2	-5.00	2.10	6.70	-500.0	-2.00	2.00	2.10
26012x2	-5.00	-1.00	-.50	-500.0	-2.00	-2.00	-.50
26106x2	-5.00	2.30	8.10	-500.0	-2.00	2.10	2.80
26124x2	-5.00	-1.00	2.50	-500.0	-2.00	-2.00	.90
26147x2	-5.00	-1.00	3.10	-500.0	-2.00	-2.00	.64

S#	Zn	Zr
25939	800.0	-500.0
25940	860.0	-500.0
25941	2600.0	650.0
25942	270.0	-500.0
25943	160.0	580.0
25944	150.0	-500.0
25945	200.0	-500.0
25946	150.0	-500.0
25947	180.0	520.0
25948	180.0	-500.0
25949	-100.0	-500.0
25950	-100.0	-500.0
25951	-100.0	-500.0
25952	140.0	-500.0
[illegible]953	200.0	-500.0
[illegible]954	160.0	-500.0
25955	280.0	-500.0
25956	100.0	-500.0
25957	-100.0	-500.0
25958	-100.0	-500.0
25959	-100.0	-500.0
25960	120.0	-500.0
25961	-100.0	720.0
25962	-100.0	-500.0
25963	-100.0	-500.0
25964	-100.0	-500.0
25965	-100.0	-500.0
25966	130.0	-500.0
25967	-100.0	-500.0
25968	2400.0	-500.0
25969	-100.0	-500.0
25970	-100.0	-500.0
25971	-100.0	-500.0
25972	-100.0	-500.0
25973	-100.0	-500.0
25974	130.0	-500.0
25975	-100.0	-500.0
25976	140.0	-500.0
25977	-100.0	-500.0
[illegible]978	-100.0	-500.0
[illegible]979	-100.0	-500.0
25980	850.0	-500.0
25981	-100.0	-500.0
25982	-100.0	-500.0
25983	120.0	-500.0
25984	-100.0	-500.0
25985	-100.0	-500.0
25986	-100.0	-500.0

25987	-100.0	-500.0
25988	-100.0	-500.0
25989	-100.0	-500.0
25990	430.0	-500.0
25991	260.0	-500.0
25992	320.0	-500.0
25993	270.0	-500.0
25994	-100.0	-500.0
25995	-100.0	-500.0
25996	-100.0	-500.0
25997	-100.0	-500.0
25998	-100.0	-500.0
25999	-100.0	-500.0
26000	850.0	-500.0
26001	-100.0	-500.0
26002	480.0	-500.0
26003	110.0	-500.0
26004	110.0	-500.0
26005	1700.0	-500.0
26006	230.0	-500.0
26007	430.0	-500.0
26008	-100.0	-500.0
26009	9700.0	-500.0
26010	-100.0	-500.0
26011	-100.0	-500.0
26012	-100.0	-500.0
26013	110.0	-500.0
26014	1200.0	-500.0
26015	680.0	-500.0
26016	-100.0	-500.0
26017	-100.0	-500.0
26018	-100.0	-500.0
26019	-100.0	-500.0
26020	120.0	-500.0
26021	100.0	-500.0
26022	-100.0	-500.0
26023	-100.0	-500.0
26024	210.0	-500.0
26025	-100.0	-500.0
26026	-100.0	-500.0
26027	-100.0	-500.0
26028	-100.0	-500.0
26101	-100.0	-500.0
26102	-100.0	-500.0
26103	-100.0	-500.0
26104	-100.0	530.0
26105	-100.0	-500.0
26106	-100.0	-500.0
26107	150.0	-500.0
26108	190.0	-500.0
26109	230.0	640.0
26110	-100.0	-500.0
26111	-100.0	-500.0
26112	-100.0	-500.0
26113	-100.0	-500.0
26114	120.0	-500.0
26115	-100.0	-500.0
26116	-100.0	-500.0
26117	-100.0	-500.0
26118	-100.0	-500.0
26119	-100.0	-500.0
26120	-100.0	-500.0
26121	-100.0	-500.0
26122	-100.0	-500.0
26123	-100.0	-500.0
26124	-100.0	-500.0

424359

26125	-100.0	-500.0
26126	-100.0	-500.0
26127	-100.0	-500.0
26128	120.0	-500.0
26129	-100.0	-500.0
26130	-100.0	-500.0
26131	-100.0	-500.0
26132	100.0	-500.0
26133	130.0	-500.0
26134	-100.0	-500.0
26135	210.0	-500.0
26136	-100.0	-500.0
26137	-100.0	-500.0
26138	-100.0	-500.0
26139	-100.0	-500.0
26140	-100.0	-500.0
26141	-100.0	-500.0
26142	-100.0	-500.0
26143	-100.0	-500.0
26144	-100.0	-500.0
26145	-100.0	-500.0
26146	-100.0	-500.0
26147	320.0	-500.0
26148	-100.0	-500.0
26149	170.0	-500.0
26150	120.0	-500.0
26151	130.0	-500.0
26152	160.0	-500.0
26153	190.0	-500.0
26154	190.0	-500.0
26155	190.0	-500.0
26156	-100.0	-500.0
25605x2	-100.0	-500.0
25623x2	-100.0	-500.0
25651x2	180.0	560.0
25676x2	260.0	-500.0
25692x2	-100.0	-500.0
25738x2	-100.0	-500.0
25749x2	140.0	-500.0
25764x2	-100.0	-500.0
25789x2	-100.0	-500.0
25815x2	-100.0	-500.0
25834x2	360.0	-500.0
25847x2	-100.0	-500.0
25893x2	-100.0	-500.0
26012x2	-100.0	-500.0
26106x2	120.0	-500.0
26124x2	-100.0	-500.0
26147x2	310.0	-500.0

APPENDIX 3

Zechan Project Rock Chip Sampling Analytical Results

5521/321.

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.07297

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0181	T 5521

DATE RECEIVED	RESULTS REQUIRED
13/08/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
2	29/08/90	1	37

STATE OF SAMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	Various	60	Prep: 002,016						Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	Various	60							Cu,Pb,Zn/101		
	Various	60							Sn/401		
	Various	60							Pb:1,Zn:1/105		

RESULTS TO

Mark Fleming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

E.L. 42/87 - ZEEHAN

Comstock Grid

Rock Chip Samples.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					Inductively coupled plasma	ICP

AUTHORISED OFFICER

424362

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07297	29/08/90	6181	1 OF 2

TUBE No.	SAMPLE No.	Cu	Pb	Pb:1	Zn	Zn:1	Sn			
1	T11870	–	–	–	–	–	–			
2	T11871	<25	460	–	90	–	14			
3	T11872	95	400	–	205	–	10			
4	T11873	95	1400	–	500	–	55			
5	T11874	1200	5200	–	2700	–	17			
6	T11875	155	–	1.11	1900	–	15			
7	T11876	145	4100	–	1100	–	<3			
8	T11878	3650	3900	–	1050	–	298			
9	T11879	90	7800	–	1550	–	35			
10	T11880	–	–	–	–	–	–			
11	T11881	220	–	5.24	2000	–	178			
12	T11882	240	–	3.93	1950	–	41			
13	T11883	120	–	1.06	3000	–	142			
14	T11884	<25	3500	–	1150	–	16			
15	T11885	25	400	–	195	–	29			
16	T11886	55	8200	–	190	–	22			
17	T11887	525	1300	–	185	–	156			
18	T11888	30	2600	–	–	2.62	9			
19	T11889	375	3050	–	–	56.00	340			
20	T11890	–	–	–	–	–	–			
21	T11891	65	350	–	1700	–	78			
22	T11892	205	1750	–	1375	–	20			
23	T11893	210	4250	–	480	–	70			
24	T11894	25	7250	–	765	–	28			
25	T11895	190	8150	–	3450	–	80			

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X element concentration is below detection limit
– element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inoncape Inspection and Testing Services Australia Pty Ltd.

424363

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07297	29/08/90	0181	2 OF 2

TUBE No.	SAMPLE No.	Cu	Pb	Pb#1	Zn	Zn#1	Sn			
1	T11896	100	–	6.26	3100	–	39			
2	T11897	35	1300	–	850	–	16			
3	T11898	65	1200	–	850	–	<3			
4	T11899	65	7450	–	–	1.16	64			
5	T11900	215	1310	–	675	–	9			
6	T26219	<25	2650	–	145	–	31			
7	T26220	–	–	–	–	–	–			
8	T26221	170	–	5.22	150	–	154			
9	T26222	30	1700	–	1450	–	20			
10	T26223	225	–	2.94	3250	–	187			
11	T26224	595	–	2.20	2400	–	472			
12	T26225	370	–	2.35	2450	–	471			
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	25	25	0.01	25	0.01	3			
24	UNITS	ppm	ppm	%	ppm	%	ppm			
25	METHOD	105	105	105	105	105	401			

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

1

N E U T R O N A C T I V A T I O N A N A L Y S I S

424364

NEUTRON ACTIVATION ANALYSIS REPORT

Date: 28-08-90

RGC TASMANIA SAMPLE Nos: T11870-T11900, T26219-T26225
BECQUEREL JOB # 094

NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ELEVATED DETECTION LIMITS DUE TO HIGH As AND Zn.

ELEMENT	DL	# 11870	# 11871	# 11872	# 11873	# 11874	# 11875	# 11876	# 11878	# 11879	# 11880
ANTIMONY	.2	1.90	47.20	24.40	35.50	16.00	19.00	16.00	102.00	115.00	-.20
ARSENIC	2.0	35.00	120.00	1220.00	1460.00	2170.00	2300.00	1320.00	2140.00	2710.00	3.10
BARIUM	100.0	530.0	-100.0	-100.0	-100.0	-100.0	390.0	-100.0	150.0	1300.0	670.0
BROMINE	2.0	-2.00	4.70	8.40	3.30	5.00	5.40	7.10	6.30	7.60	-2.00
CERIUM	2.0	55.00	-2.00	-2.00	5.60	32.00	28.00	32.00	-2.00	12.00	87.00
CAESIUM	1.0	15.00	-1.00	-1.00	1.10	1.20	1.50	-1.00	-1.00	-1.00	11.00
CHROMIUM	5.0	370.0	7.3	25.0	21.0	31.0	34.0	50.0	14.0	14.0	360.0
COBALT	1.0	20.00	-1.00	1.60	-1.00	11.00	13.00	8.80	3.80	9.20	33.00
EUROPIUM	.5	.84	-.50	-.50	-.50	-.50	.77	.80	-.50	-.50	1.30
GOLD, ppb	5.0	68.0	-5.0	25.0	68.0	15.0	14.0	10.0	-5.0	-5.0	260.0
HAFNIUM	1.0	7.00	-1.00	-1.00	-1.00	-1.00	-1.00	1.60	-1.00	-1.00	8.90
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.900	12.500	23.500	16.900	41.500	37.800	27.400	36.300	14.500	5.750
LANTHANUM	.5	30.00	.54	2.40	3.20	3.90	7.10	5.70	2.10	4.40	47.00
LUTETIUM	.2	.38	-.20	-.20	-.20	-.20	-.20	.21	-.20	.20	.58
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	14.0	17.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.400	-.200	-.200	-.200	-.200	.200	-.200	-.200	-.200	1.300
RUBIDIUM	20.0	160.0	-20.0	55.0	41.0	84.0	110.0	67.0	-20.0	33.0	100.0
SAMARIUM	.20	6.20	-.20	.41	.44	1.80	2.50	2.60	1.30	1.40	9.20
SCANDIUM	.10	9.30	.17	7.90	4.40	9.30	19.30	11.30	1.70	4.00	13.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	12.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	34.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.50	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	3.10
THORIUM	.5	11.00	-.50	-.50	1.00	.62	4.20	5.50	.76	.79	18.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	4.30	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	6.70
URANIUM	2.0	3.10	-2.00	-2.00	-2.00	-2.00	-2.00	3.10	-2.00	-2.00	-2.00
YTTERBIUM	.5	1.70	-.50	-.50	-.50	-.50	.70	.88	-.50	-.50	3.00
ZINC	100.0	200.0	-100.0	200.0	350.0	2300.0	1600.0	950.0	710.0	1500.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD, LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

309

BECQUEREL JOB # 094

ELEMENT	DL	# 11881	# 11882	# 11883	# 11884	# 11885	# 11886	# 11887	# 11888	# 11889	# 11890
ANTIMONY	.2	127.00	34.20	25.30	20.00	19.00	36.70	49.90	51.90	47.70	-.20
ARSENIC	2.0	6720.00	700.00	2910.00	8610.00	1310.00	722.00	581.00	574.00	74.00	4.00
BARIUM	100.0	7600.0	5200.0	8500.0	280.0	200.0	-100.0	-100.0	-100.0	-390.0	620.0
BROMINE	2.0	11.00	5.60	7.10	17.00	5.40	18.00	4.90	2.90	-2.00	-2.00
CERIUM	2.0	64.00	120.00	57.00	60.00	-2.00	30.00	4.40	-2.00	-5.80	85.00
CAESIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-3.80	10.00
CHROMIUM	5.0	18.0	15.0	23.0	-5.0	21.0	48.0	-5.0	26.0	30.0	350.0
COBALT	1.0	107.00	77.00	19.00	6.40	1.10	22.00	-1.00	5.40	-1.00	33.00
EUROPIUM	.5	2.30	3.90	2.80	1.80	-.50	-.50	-.50	-.50	-.50	1.00
GOLD, ppb	5.0	-12.0	-5.0	150.0	-14.0	43.0	-5.0	11.0	18.0	-10.0	290.0
HAFNIUM	1.0	-1.00	1.10	-1.00	-1.00	-1.00	3.00	-1.00	-1.00	-1.00	8.60
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-44.0	-20.0
IRON, %	.05	16.700	23.600	33.600	46.000	17.400	13.800	45.200	27.200	5.770	5.590
LANTHANUM	.5	23.00	34.00	39.00	9.20	1.20	17.00	56.70	.57	-.50	45.00
LUTETIUM	.2	.35	.48	.27	.24	-.20	.20	-.20	-.20	-.20	.56
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	29.0	-5.0	11.0	-5.0	-5.0	-10.0	-5.0
POTASSIUM, %	.2	-.200	.520	-.200	-.410	-.200	-.200	-.200	-.200	-.410	1.600
RUBIDIUM	20.0	30.0	38.0	79.0	110.0	49.0	23.0	-20.0	-20.0	-20.0	110.0
SAMARIUM	.20	5.20	11.00	8.80	6.40	.41	1.70	3.80	.24	-.20	8.80
SCANDIUM	.10	5.90	5.70	1.70	6.00	1.10	4.80	5.10	.52	-.22	13.00
SELENIUM	5.0	-11.0	-5.0	-5.0	-13.0	-5.0	6.5	33.0	-5.0	-16.0	-5.0
SILVER	5.0	53.00	160.00	-5.00	-11.00	-5.00	23.00	11.00	13.00	-10.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	1.20
THORIUM	.5	1.30	1.60	-.50	1.30	-.50	7.50	.78	-.50	-1.20	18.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-1000.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	5.20	-2.00	-2.00	-7.60	7.80
URANIUM	2.0	-4.40	-2.00	-2.00	-5.00	-2.00	2.40	-2.00	-2.00	-6.10	4.10
YTTERBIUM	.5	.50	2.60	1.10	-.50	-.50	.84	-.50	-.50	-.50	2.90
ZINC	100.0	1900.0	1900.0	3000.0	870.0	170.0	190.0	100.0	24700.0	433000.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD, LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 094

ELEMENT	DL	# 11891	# 11892	# 11893	# 11894	# 11895	# 11896	# 11897	# 11898	# 11899	# 11900
ANTIMONY	.2	30.90	18.00	37.50	103.00	346.00	42.60	23.50	25.40	4.90	210.00
ARSENIC	2.0	2380.00	6640.00	1530.00	1410.00	5060.00	809.00	1600.00	1290.00	322.00	325.00
BARIUM	100.0	6000.0	200.0	2700.0	-100.0	380.0	26900.0	340.0	31800.0	640.0	890.0
BROMINE	2.0	4.70	14.00	5.90	5.90	10.00	3.40	3.30	4.20	2.60	-2.00
CERIUM	2.0	13.00	59.00	160.00	-2.00	15.00	76.00	5.40	22.00	9.30	15.00
CAESIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	4.50	-1.00	-1.00
CHROMIUM	5.0	10.0	120.0	20.0	31.0	-5.0	39.0	190.0	17.0	83.0	200.0
COBALT	1.0	1.10	28.00	149.00	-1.00	7.90	233.00	21.00	142.00	17.00	19.00
EUROPIUM	.5	.84	1.90	.88	-.50	-.50	2.20	.70	4.40	.68	-.50
GOLD, ppb	5.0	-5.0	34.0	90.0	100.0	140.0	-5.0	160.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	21.300	26.600	26.800	29.500	36.000	10.500	13.400	13.700	35.100	26.600
LANTHANUM	.5	6.50	8.20	15.00	.82	2.20	29.00	3.80	67.40	1.10	1.70
LUTETIUM	.2	-.20	.28	-.20	-.20	-.20	-.20	-.20	.48	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	-.200	.460	-.200	.720	-.200	.260
RUBIDIUM	20.0	32.0	52.0	47.0	64.0	82.0	-20.0	28.0	34.0	-20.0	58.0
SAMARIUM	.20	4.20	7.10	3.70	.67	1.50	5.00	2.10	10.00	2.30	.62
SCANDIUM	.10	.71	6.40	10.00	.25	3.50	.75	.37	1.40	1.10	.43
SELENIUM	5.0	-5.0	-10.0	10.0	-5.0	-11.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	93.00	-5.00	17.00	-5.00	35.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	1.00	-.50	4.30	-.50	1.50	-.50	-.50	1.30	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-4.20	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-4.10	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	.85	.53	-.50	.81	-.50	2.30	-.50	-.50
ZINC	100.0	690.0	990.0	440.0	780.0	2700.0	3200.0	850.0	9500.0	660.0	750.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424367

N E U T R O N A C T I V A T I O N A N A L Y S I S

BECQUEREL JOB # 094

ELEMENT	DL	# 26219	# 26220	# 26221	# 26222	# 26223	# 26224	# 26225	# 11876x2	# 11897x2
ANTIMONY	.2	35.90	.31	131.00	39.20	84.20	417.00	310.00	17.00	26.60
ARSENIC	2.0	437.00	3.10	816.00	678.00	2380.00	1850.00	1460.00	1370.00	1610.00
BARIUM	100.0	-100.0	440.0	-100.0	-100.0	1000.0	1300.0	370.0	-100.0	280.0
BROMINE	2.0	3.30	-2.00	-2.00	-2.00	8.00	5.50	3.80	8.40	3.00
CERIUM	2.0	38.00	68.00	24.00	2.10	44.00	94.00	42.00	27.00	2.50
CAESIUM	1.0	-1.00	18.00	1.10	1.20	-1.00	-1.00	-1.00	-1.00	-1.00
CHROMIUM	5.0	42.0	460.0	26.0	42.0	14.0	-5.0	-5.0	50.0	170.0
COBALT	1.0	2.30	24.00	5.30	1.30	8.30	109.00	9.00	9.50	19.00
EUROPIUM	.5	1.10	.85	.91	-.50	.79	1.20	.51	.76	.67
GOLD, ppb	5.0	110.0	140.0	15.0	19.0	-5.0	-11.0	50.0	16.0	150.0
HAFNIUM	1.0	1.00	8.70	3.30	-1.00	1.10	-1.00	-1.00	1.80	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	5.640	4.300	12.000	17.900	39.600	34.000	36.500	28.300	13.300
LANTHANUM	.5	15.00	37.00	13.00	3.90	4.80	13.00	2.50	5.80	3.60
LUTETIUM	.2	-.20	.44	.25	-.20	-.20	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	6.5	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	1.800	.220	.300	-.200	.930	.480	-.200	-.200
RUBIDIUM	20.0	-20.0	220.0	-20.0	-20.0	72.0	61.0	44.0	-20.0	-20.0
SAMARIUM	.20	4.20	7.70	2.70	.81	2.00	5.50	2.00	2.60	2.10
SCANDIUM	.10	1.10	11.80	4.90	1.00	3.20	4.80	6.50	11.40	.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	18.00	-5.00	130.00	8.00	18.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	3.30	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	.84	15.00	5.20	1.10	.94	1.50	-.50	5.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	4.10	5.20	13.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	2.70	-2.00	-2.00	-2.00	2.70	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	2.10	1.10	-.50	-.50	1.00	-.50	.89	-.50
ZINC	100.0	150.0	130.0	25100.0	1100.0	2800.0	2000.0	2100.0	970.0	820.0
ZIRCONIUM	500.0	-500.0	530.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424368 5521/321.
18 MAY 1990

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560

ANALYTICAL REPORT No. 95.1.08.07076

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0166	T5521

DATE RECEIVED	RESULTS REQUIRED
09/05/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
2	17/05/90	1	23

REFER BELOW	SAMPLE NUMBERS	STATE OF SAMPLES	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	<T264,18/21,23/41	RC	Prep: 002,016							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs	Eu,Fe,Hf,Ir	La,Lu,Mo
	<T264,18/21,23/41	RC								Cu,Pb,Zn/101		
	<T264,18/21,23/41	RC								Sn/401		
	<T264,18/21,23/41	RC								Pb,Zn/104		

RESULTS TO

Mark Flemming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EU 42/87 - ZEEMAN

Rock Chip Samples
Comstock & Parting Lake
Grids.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophatometry	SPEC
ro	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
so	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

ANALABS

424369

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07076	17/05/90	0166	1 OF 2

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T26418	285	–	5.25	–	3.56	167			
2	T26419	520	–	0.54	–	1.17	1090			
3	T26420	525	–	2.30	–	4.30	474			
4	T26421	50	–	1.67	–	0.14	38			
5	T26423	1550	–	9.13	–	12.60	276			
6	T26424	80	–	7.67	–	0.12	46			
7	T26425	280	–	4.75	–	7.29	163			
8	T26426	95	–	2.16	–	0.22	30			
9	T26427	30	–	3.04	–	0.12	67			
10	T26428	495	–	4.96	–	0.09	443			
	T26429	50	–	1.31	–	1.16	52			
12	T26430	25	1250	–	105	–	3			
13	T26431	775	–	10.40	–	3.22	174			
14	T26432	175	565	–	360	–	7			
15	T26433	425	–	30.00	–	3.12	321			
16	T26434	115	–	0.69	–	0.84	153			
17	T26435	565	–	18.80	–	6.99	88			
18	T26436	60	–	21.70	–	0.30	67			
19	T26437	30	295	–	215	–	8			
20	T26438	255	–	8.85	–	13.40	120			
21	T26439	25	951	–	350	–	15			
22	T26440	40	5000	–	245	–	18			
23	T26441	550	–	4.15	–	1.69	127			
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424370

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07076	17/05/90	0166	2 OF 2

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	DETECTION	5	5	0.01	5	0.01	3			
23	UNITS	ppm	ppm	%	ppm	%	ppm			
24	METHOD	101	101	104	101	104	401			
25										

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

NEUTRON ACTIVATION ANALYSIS

305

424371

NEUTRON ACTIVATION ANALYSIS REPORT

Date: 28-05-90

RGC TASMANIA SAMPLE Nos: T26418 - T26441
BECQUEREL JOB # 979
NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ELEVATED DETECTION LIMITS FOR SOME ELEMENTS IN MANY SAMPLES DUE TO HIGH Zn AND/OR As AND/OR Sb (ESPECIALLY 26428).

ELEMENT	DL	# 26418	# 26419	# 26420	# 26421	# 26422 NO SAMPLE	# 26423	# 26424	# 26425	# 26426	# 26427
ANTIMONY	.2	76.40	18.00	36.90	30.80	.00	168.00	501.00	2920.00	791.00	266.00
ARSENIC	2.0	319.00	218.00	1650.00	3990.00	.00	4150.00	667.00	1800.00	636.00	1470.00
BARIUM	100.0	-100.0	-100.0	-100.0	270.0	.0	-250.0	-100.0	-440.0	-100.0	170.0
BROMINE	2.0	-2.00	-2.00	4.00	8.20	.00	10.00	5.30	16.00	5.30	7.10
CERIUM	2.0	21.00	6.00	10.00	42.00	.00	-4.90	4.40	-8.40	-2.00	-2.00
CAESIUM	1.0	1.50	1.90	4.20	2.20	.00	3.10	2.50	-2.40	-1.00	-1.00
CHROMIUM	5.0	38.0	-5.0	24.0	22.0	.0	17.0	58.0	-18.0	2170.0	-5.0
COBALT	1.0	6.30	4.90	-1.00	5.40	.00	-1.00	1.10	9.30	82.00	1.50
EUROPIUM	.5	.52	-.50	-.50	.54	.00	-.50	.80	1.60	.77	1.10
GOLD, ppb	5.0	-5.0	-5.0	100.0	61.0	.0	150.0	40.0	-25.0	-11.0	59.0
HAFNIUM	1.0	3.10	-1.00	-1.00	2.40	.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	.0	-20.0	-20.0	-56.0	-20.0	-20.0
IRON, %	.05	4.800	9.800	12.300	6.840	.000	18.500	5.010	31.300	28.800	30.300
LANTHANUM	.5	12.00	5.40	8.70	21.00	.00	3.00	4.80	2.40	2.20	2.20
LUTETIUM	.2	.23	-.20	-.20	.43	.00	-.20	.21	.30	.35	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	.0	-11.0	-5.0	-20.0	-5.0	-5.0
POTASSIUM, %	.2	.250	-.200	.400	.700	.000	-.200	.760	2.900	.820	-.200
RUBIDIUM	20.0	-20.0	-20.0	78.0	94.0	.0	57.0	41.0	45.0	60.0	74.0
SAMARIUM	.20	2.10	1.00	1.20	3.00	.00	.30	.88	.61	1.00	.94
SCANDIUM	.10	1.90	.64	1.80	3.20	.00	.50	1.80	4.00	3.90	.33
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	.0	-13.0	-5.0	-24.0	-10.0	-5.0
SILVER	5.0	78.00	23.00	41.00	-5.00	.00	130.00	410.00	100.00	58.00	85.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	.00	-1.00	-1.00	-2.30	-1.00	-1.00
THORIUM	.5	4.80	1.70	1.90	4.90	.00	1.30	1.20	-1.80	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	.0	-1300.0	-500.0	-2700.0	-1200.0	-500.0
TUNGSTEN	2.0	7.70	2.60	-2.00	-2.00	.00	-2.00	4.30	-6.60	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	3.00	-2.00	.00	-4.10	-2.00	-7.80	-2.00	-2.00
YTTERBIUM	.5	.90	-.50	-.50	.61	.00	-.50	-.50	-.50	-.50	-.50
ZINC	100.0	35100.0	12000.0	45200.0	1400.0	.0	101000.0	1100.0	25300.0	2200.0	1200.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

424372

BECQUEREL JOB # 979

ELEMENT	DL	# 26428	# 26429	# 26430	# 26431	# 26432	# 26433	# 26434	# 26435	# 26436	# 26437
ANTIMONY	.2	27400.00	179.00	211.00	132.00	130.00	1180.00	101.00	162.00	352.00	27.00
ARSENIC	2.0	6300.00	696.00	592.00	1050.00	1820.00	412.00	1200.00	1010.00	642.00	787.00
BARIUM	100.0	-2100.0	-100.0	-100.0	-100.0	-100.0	-210.0	-100.0	-100.0	200.0	-100.0
BROMINE	2.0	-62.00	2.40	2.60	3.40	6.60	5.10	5.70	6.70	4.30	2.70
CERIUM	2.0	-35.00	-2.00	-2.00	9.20	-2.00	7.40	11.00	11.00	8.20	-2.00
CAESIUM	1.0	-8.30	-1.00	-1.00	2.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
CHROMIUM	5.0	-85.0	-5.0	16.0	20.0	12.0	-10.0	16.0	-5.0	-5.0	42.0
COBALT	1.0	33.00	-1.00	3.40	3.50	-1.00	3.10	7.00	2.60	3.30	4.20
EUROPIUM	.5	-4.10	-.50	-.50	-.50	-.50	-.50	-.50	-.50	1.00	-.50
GOLD, ppb	5.0	-200.0	43.0	8.3	120.0	56.0	-12.0	56.0	89.0	130.0	100.0
HAFNIUM	1.0	-5.80	-1.00	-1.00	1.50	-1.00	-1.00	1.50	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-250.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	23.700	25.000	39.800	17.200	27.700	5.830	15.600	11.000	12.100	12.500
LANTHANUM	.5	4.60	-.50	.66	8.70	1.50	7.20	8.20	10.00	6.00	.65
LUTETIUM	.2	-5.10	-.20	-.20	-.20	-.20	.32	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-130.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-440.000	-.200	-.200	.890	-.200	1.600	-.200	-.200	.330	-.200
RUBIDIUM	20.0	-140.0	47.0	83.0	96.0	61.0	34.0	27.0	47.0	23.0	36.0
SAMARIUM	.20	3.90	-.20	.23	.91	.68	.43	1.50	1.10	1.00	.27
SCANDIUM	.10	10.70	.12	.63	2.50	2.40	1.40	2.50	.71	2.80	.28
SELENIUM	5.0	-110.0	-5.0	-5.0	-5.0	-5.0	-11.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	210.00	42.00	11.00	110.00	-5.00	763.00	72.00	240.00	420.00	5.40
TANTALUM	1.0	-11.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-8.80	-.50	.78	2.30	.70	1.30	2.60	-.50	.60	.57
TIN	500.0	-13000.0	-500.0	-500.0	-500.0	-500.0	-1300.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-62.00	-2.00	-2.00	-2.00	-2.00	10.00	6.90	-2.00	4.90	-2.00
URANIUM	2.0	-69.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-4.00	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
ZINC	100.0	530.0	10200.0	160.0	34100.0	310.0	29100.0	8800.0	70900.0	3500.0	310.0
ZIRCONIUM	500.0	-2400.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

424373

BECQUEREL JOB # 979

ELEMENT	DL	# 26438	# 26439	# 26440	# 26441	# 26424x2	# 26441x2
ANTIMONY	.2	335.00	18.00	22.10	178.00	476.00	177.00
ARSENIC	2.0	299.00	18.00	1210.00	279.00	654.00	272.00
BARIUM	100.0	-200.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	12.00	-2.00	6.30	2.10
CERIUM	2.0	7.40	36.00	-2.00	36.00	8.30	36.00
CAESIUM	1.0	5.90	4.40	1.30	4.30	2.30	4.50
CHROMIUM	5.0	-5.0	54.0	20.0	51.0	15.0	47.0
COBALT	1.0	4.40	1.30	13.00	23.00	-1.00	21.00
EUROPIUM	.5	.52	.77	-.50	.76	-.50	.70
GOLD, ppb	5.0	62.0	-5.0	23.0	-5.0	36.0	-5.0
HAFNIUM	1.0	-1.00	3.50	1.90	3.20	-1.00	3.20
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	1.500	1.600	18.300	6.740	4.800	6.630
LANTHANUM	.5	7.00	17.00	3.50	19.00	4.70	19.00
LUTETIUM	.2	-.20	.24	-.20	.30	.23	.21
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	.760	1.000	.330	.740	1.100	3.000
RUBIDIUM	20.0	41.0	55.0	51.0	68.0	36.0	72.0
SAMARIUM	.20	.60	3.40	.60	3.00	.88	2.90
SCANDIUM	.10	1.50	3.40	2.70	3.80	1.70	3.50
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	290.00	8.70	20.00	150.00	360.00	130.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	2.40	4.80	3.70	5.40	1.60	4.90
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	6.20	10.00
URANIUM	2.0	-2.00	-2.00	3.20	3.40	-2.00	-2.00
YTTERBIUM	.5	-.50	1.40	-.50	1.30	-.50	1.20
ZINC	100.0	128000.0	360.0	240.0	16800.0	1000.0	16200.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424374 5521/321.

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.07227

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0177	T 5521

DATE RECEIVED	RESULTS REQUIRED
09/07/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
1	18/07/90	1	3

STATE OF SAMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	<T2644,4/6	RO	Prep: 002,016						Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	<T2644,4/6	RO							Cu,Pb,Zn/101		
	<T2644,4/6	RO							Sn/401		
	<T2644,4/6	RO							Pb/104		

RESULTS TO

Mark Flemming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 - ZEEHAN

Rock chip samples collected south of CS00202 collar.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

424375

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
-	95.1.08.07227	18/07/90	0177	1 OF 1

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Sn				
1	T26444	250	–	8500	245	753				
2	T26445	155	–	9950	925	284				
3	T26446	725	–	58300	1250	2730				
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	25	5	3				
24	UNITS	ppm	ppm	ppm	ppm	ppm				
25	METHOD	101	101	104	101	401				

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
— = element not determined

AUTHORISED OFFICER

NEUTRON ACTIVATION ANALYSIS

424376

NEUTRON ACTIVATION ANALYSIS REPORT — Date: 25-07-90
RGC, TASMANIA, SAMPLES T26444 - T26446

BECQUEREL JOB # 053 — Page 1 of 1

NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ELEVATED D.L. FOR SOME ELEMENTS DUE TO HIGH As.

ELEMENT	DL	# 26444	# 26445	# 26446
ANTIMONY	.2	452.00	152.00	581.00
ARSENIC	2.0	4880.00	4200.00	28900.00
BARIUM	100.0	-200.0	-200.0	-600.0
BROMINE	2.0	-10.00	-10.00	-60.00
CERIUM	2.0	12.00	-10.00	-20.00
CAESIUM	1.0	-1.00	3.80	-3.30
CHROMIUM	5.0	77.0	33.0	-35.0
COBALT	1.0	-1.00	2.20	-2.40
EUROPIUM	.5	.88	-.50	-2.80
GOLD, ppb	5.0	440.0	210.0	1320.0
HAFNIUM	1.0	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-100.0
IRON, %	.05	13.800	10.800	30.900
LANTHANUM	.5	12.00	2.00	10.00
LUTETIUM	.2	.31	-.20	-.65
MOLYBDENUM	5.0	-12.0	-5.0	-35.0
POTASSIUM, %	.4	1.100	-.400	-1.700
RUBIDIUM	20.0	72.0	42.0	150.0
SAMARIUM	.20	2.60	1.00	4.40
SCANDIUM	.10	6.00	1.20	3.10
SELENIUM	5.0	-12.0	-5.0	-37.0
SILVER	5.0	-5.00	-5.00	-25.00
TANTALUM	1.0	-1.00	-1.00	-3.40
THORIUM	.5	1.60	-.50	-5.00
TIN	500.0	-1000.0	-1000.0	-4000.0
TUNGSTEN	2.0	-2.00	-2.00	-10.00
URANIUM	2.0	-5.10	-4.00	-15.00
YTTERBIUM	.5	.74	-.50	-.50
ZINC	100.0	280.0	850.0	1400.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

APPENDIX 4

Zeehan Project Diamond Drillholes Analytical Results

424378 5521/325.

ANALABS

1 JUN 1990

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 52 Murray Road, Welshpool, W.A. 6106 Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 25.1.08.07094

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0170	T5521

DATE RECEIVED	RESULTS REQUIRED
16/05/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
3	31/05/90	1	69

STATE OF SAMPLES:

REFER BELOW	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	KT239,01/69	RO Prep: 002,016							Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	Various	RO							Cu,Pb,Zn,Bi/101		
	Various	RO							Sn/401		
	Various	RO							Zn/104		

RESULTS TO

Mark Flemming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 - ZEEHAN

Drill Core Samples

Bendell's Hole

CS001

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutt	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
roc	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER C Jenkins

424379

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07094	31/05/90	0170	1 OF 3

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T23901	15	110	245	–	<10	9			
2	T23902	50	135	845	–	<10	8			
3	T23903	10	<5	150	–	<10	<3			
4	T23904	5	<5	165	–	<10	4			
5	T23905	10	<5	630	–	<10	6			
6	T23906	15	20	970	–	<10	3			
7	T23907	55	190	310	–	<10	9			
8	T23908	50	75	150	–	<10	7			
9	T23909	75	65	170	–	<10	7			
10	T23910	85	30	170	–	<10	7			
11	T23911	105	40	275	–	<10	5			
12	T23912	80	55	385	–	<10	11			
13	T23913	90	205	325	–	<10	12			
14	T23914	75	200	500	–	<10	5			
15	T23915	255	35	85	–	<10	7			
16	T23916	15	50	40	–	<10	<3			
17	T23917	10	15	25	–	<10	4			
18	T23918	10	175	380	–	<10	<3			
19	T23919	440	4200	3900	–	<10	5			
20	T23920	–	–	–	–	–	–			
21	T23921	20	610	950	–	<10	<3			
22	T23922	20	120	290	–	<10	12			
23	T23923	10	345	630	–	<10	10			
24	T23924	50	315	130	–	<10	9			
25	T23925	40	105	150	–	<10	11			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424330

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07094	31/05/90	0170	2 OF 3

TUBE No.	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T23926	25	80	80	–	<10	12			
2	T23927	35	110	115	–	<10	9			
3	T23928	40	135	80	–	<10	17			
4	T23929	140	270	120	–	<10	9			
5	T23930	25	90	95	–	<10	10			
6	T23931	20	315	210	–	<10	14			
7	T23932	25	455	185	–	<10	22			
8	T23933	15	130	90	–	<10	22			
9	T23934	390	1450	>10000	1.70	<10	48			
10	T23935	15	105	225	–	<10	21			
11	T23936	25	70	140	–	<10	8			
12	T23937	45	195	280	–	<10	13			
13	T23938	30	115	360	–	<10	13			
14	T23939	25	20	95	–	<10	11			
15	T23940	–	–	–	–	–	–			
16	T23941	30	45	50	–	<10	8			
17	T23942	30	55	50	–	<10	7			
18	T23943	40	90	80	–	<10	11			
19	T23944	40	270	120	–	<10	10			
20	T23945	40	85	120	–	<10	8			
21	T23946	70	3300	1350	–	<10	7			
22	T23947	55	2800	2300	–	<10	8			
23	T23948	15	6500	3850	–	<10	4			
24	T23949	20	12200	7150	–	<10	7			
25	T23950	45	2750	1800	–	<10	8			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424381

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07094	31/05/90	0170	3 OF 3

TUBE No	SAMPLE No.	Cu	Pb	Zn	Zn	Bi	Sn			
1	T23951	115	9950	5800	–	<10	5			
2	T23952	60	3650	5000	–	<10	6			
3	T23953	10	40	90	–	<10	3			
4	T23954	10	145	600	–	<10	19			
5	T23955	15	90	90	–	<10	22			
6	T23956	10	50	90	–	<10	11			
7	T23957	20	30	160	–	<10	10			
8	T23958	20	25	110	–	<10	15			
9	T23959	10	15	135	–	<10	11			
10	T23960	–	–	–	–	–	–			
11	T23961	50	1150	930	–	<10	8			
12	T23962	15	135	115	–	<10	5			
13	T23963	100	45	95	–	<10	10			
14	T23964	10	10	110	–	<10	3			
15	T23965	10	10	180	–	<10	5			
16	T23966	10	50	195	–	<10	<3			
17	T23967	15	5	190	–	<10	9			
18	T23968	40	5	185	–	<10	6			
19	T23969	40	50	255	–	<10	6			
20										
21										
22										
23	DETECTION	5	5	5	0.01	10	3			
24	UNITS	ppm	ppm	ppm	%	ppm	ppm			
25	METHOD	101	101	101	104	101	401			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

424382

NEUTRON ACTIVATION ANALYSIS

TRON ACTIVATION ANALYSIS REPORT

Date: 07-06-90

RGC TASMANIA SAMPLE No:T23901 - T23969
BECQUEREL JOB # 996
NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.

ELEMENT	DL	# 23901	# 23902	# 23903	# 23904	# 23905	# 23906	# 23907	# 23908	# 23909	# 23910
ANTIMONY	.2	6.40	10.00	10.00	13.00	12.00	5.90	9.30	10.00	15.00	14.00
ARSENIC	2.0	7.80	22.00	14.00	16.00	9.40	14.00	47.00	49.00	48.00	66.00
BARIUM	100.0	13400.0	5900.0	11700.0	6000.0	8000.0	1800.0	2500.0	970.0	1000.0	930.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	110.00	61.00	77.00	73.00	70.00	50.00	90.00	92.00	100.00	120.00
CAESIUM	1.0	10.00	5.50	7.60	5.90	5.80	7.70	21.00	18.00	18.00	18.00
CHROMIUM	5.0	97.0	58.0	70.0	71.0	69.0	68.0	110.0	100.0	130.0	130.0
COBALT	1.0	23.00	22.00	19.00	14.00	19.00	26.00	26.00	18.00	23.00	26.00
EUROPIUM	.5	1.80	1.00	1.20	1.30	1.40	1.10	1.60	1.40	1.10	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	6.90	4.20	5.30	6.70	7.30	4.90	5.20	5.80	5.50	6.20
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	4.700	8.260	4.300	4.600	6.710	8.480	6.140	4.700	3.700	3.800
LANTHANUM	.5	55.10	30.00	37.00	35.00	34.00	25.00	44.00	41.00	45.00	51.60
[illegible]ETIUM	.2	.79	.44	.56	.55	.64	.47	.62	.74	.76	.87
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-12.0	7.8
POTASSIUM, %	.2	2.900	.200	1.100	.790	.740	-.200	2.200	3.200	3.300	3.800
RUBIDIUM	20.0	140.0	29.0	55.0	40.0	39.0	29.0	140.0	190.0	200.0	190.0
SAMARIUM	.20	11.00	6.00	7.50	6.70	6.80	5.40	7.80	8.40	9.30	11.00
SCANDIUM	.10	20.90	11.20	14.30	14.10	13.30	11.90	14.00	15.30	15.90	17.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.20	1.30	1.30	1.30	-1.00	1.10	1.40	-1.00	-1.00	2.40
THORIUM	.5	14.00	8.70	11.00	12.00	11.00	9.20	15.00	16.00	16.00	17.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	2.70	3.80	-2.00	-2.00	-2.00
URANIUM	2.0	2.50	-2.00	-2.00	3.50	-2.00	2.70	4.40	4.60	6.40	4.80
YTTERBIUM	.5	3.80	2.20	2.80	3.00	3.10	2.40	3.20	3.70	3.80	4.50
ZINC	100.0	300.0	800.0	250.0	280.0	670.0	980.0	370.0	200.0	240.0	220.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD, LUCAS HEIGHTS NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424383

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23911	# 23912	# 23913	# 23914	# 23915	# 23916	# 23917	# 23918	# 23919	# 23920
ANTIMONY	.2	19.00	14.00	19.00	4.70	5.80	1.90	12.00	1.30	26.60	3.40
ARSENIC	2.0	71.00	49.00	83.00	59.00	8.40	5.10	83.00	5.60	170.00	1240.00
BARIUM	100.0	540.0	580.0	3500.0	1800.0	9300.0	-100.0	-100.0	-100.0	-100.0	960.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	3.40
CERIUM	2.0	95.00	99.00	93.00	14.00	6.50	8.30	8.40	7.20	15.00	21.00
CAESIUM	1.0	16.00	24.00	30.00	2.50	1.70	-1.00	6.00	1.30	7.40	1.10
CHROMIUM	5.0	140.0	120.0	110.0	10.0	8.2	8.8	16.0	6.2	14.0	190.0
COBALT	1.0	29.00	22.00	37.00	4.20	2.40	1.60	3.50	1.40	7.30	11.00
EUROPIUM	.5	1.60	1.30	1.50	.58	-.50	-.50	-.50	-.50	-.50	.88
GOLD, ppb	5.0	15.0	7.5	13.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	390.0
HAFNIUM	1.0	4.40	4.60	4.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	4.100	5.920	6.120	4.400	2.700	.390	1.900	.250	3.500	2.400
LANTHANUM	.5	43.00	48.00	45.00	7.80	3.30	3.90	4.30	3.30	7.90	11.00
LUTETIUM	.2	.70	.73	.76	-.20	-.20	-.20	-.20	-.20	-.20	.33
MOLYBDENUM	5.0	10.0	18.0	-5.0	-5.0	-5.0	-5.0	-5.0	11.0	-5.0	7.3
POTASSIUM, %	.2	3.300	2.400	3.600	-.200	-.200	-.200	-.200	-.200	-.200	1.600
[illegible]IDIUM	20.0	180.0	140.0	250.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	38.0
SAMARIUM	.20	8.90	9.00	8.90	1.90	1.00	.85	.94	.70	1.20	2.80
SCANDIUM	.10	15.70	15.90	18.70	2.40	1.30	1.10	1.30	.94	.78	10.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.20	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	15.00	15.00	15.00	1.60	1.40	1.20	1.30	1.00	.76	2.30
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	2.70	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	4.50	4.10	4.40	-2.00	-2.00	2.90	4.20	-2.00	-2.00	-2.00
YTTERBIUM	.5	3.60	3.50	3.90	.63	-.50	-.50	-.50	-.50	-.50	1.10
ZINC	100.0	290.0	400.0	400.0	550.0	150.0	-100.0	460.0	-100.0	4100.0	1400.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

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NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23921	# 23922	# 23923	# 23924	# 23925	# 23926	# 23927	# 23928	# 23929	# 23930
ANTIMONY	.2	6.80	5.80	34.10	14.00	7.80	12.00	11.00	7.70	9.10	5.30
ARSENIC	2.0	18.00	34.00	47.00	22.00	34.00	33.00	39.00	29.00	29.00	25.00
BARIUM	100.0	23800.0	2400.0	210.0	3100.0	540.0	530.0	500.0	630.0	870.0	1100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	2.00	-2.00	-2.00	2.50	-2.00	-2.00
CERIUM	2.0	120.00	97.00	48.00	83.00	100.00	110.00	99.00	93.00	110.00	89.00
CAESIUM	1.0	8.40	17.00	6.80	22.00	23.00	27.00	22.00	26.00	34.00	19.00
CHROMIUM	5.0	110.0	99.0	64.0	69.0	78.0	82.0	84.0	71.0	88.0	60.0
COBALT	1.0	29.00	30.00	22.00	22.00	17.00	17.00	20.00	15.00	20.00	28.00
EUROPIUM	.5	1.90	1.80	.77	1.40	1.30	1.60	1.50	.88	1.60	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	6.6	13.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	6.10	5.50	2.30	6.00	6.50	6.60	6.50	6.20	6.90	6.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	6.420	6.420	7.310	4.800	4.200	3.600	4.200	3.500	4.300	5.440
LANTHANUM	.5	59.70	47.00	23.00	40.00	47.00	51.60	46.00	44.00	50.60	43.00
LUTETIUM	.2	.78	.72	.50	.63	.75	.87	.79	.73	.83	.65
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	3.600	-.200	1.700	3.300	4.000	3.800	3.800	3.300	1.900
RUBIDIUM	20.0	20.0	180.0	-20.0	110.0	190.0	220.0	210.0	210.0	220.0	120.0
SAMARIUM	.20	11.00	9.20	5.30	7.90	10.00	11.00	10.00	8.50	10.00	8.40
SCANDIUM	.10	23.00	21.40	11.10	13.00	15.60	17.80	16.30	15.40	16.60	12.90
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.60	1.80	-1.00	1.00	1.40	1.60	-1.00	-1.00	-1.00	1.20
THORIUM	.5	16.00	14.00	6.80	13.00	16.00	19.00	17.00	15.00	18.00	13.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	2.90	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	2.30	-2.00	2.70	3.40	2.50	3.10	3.70	2.60	3.30
YTTERBIUM	.5	3.90	3.70	2.50	3.30	3.80	4.30	3.90	3.80	4.10	3.20
ZINC	100.0	1000.0	320.0	720.0	170.0	220.0	140.0	170.0	130.0	180.0	140.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

424385

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23931	# 23932	# 23933	# 23934	# 23935	# 23936	# 23937	# 23938	# 23939	# 23940
ANTIMONY	.2	4.00	8.60	7.40	20.70	5.00	13.00	8.20	4.70	8.20	5.10
ARSENIC	2.0	44.00	80.00	96.00	61.00	21.00	22.00	59.00	37.00	39.00	2710.00
BARIUM	100.0	530.0	540.0	460.0	1200.0	760.0	1700.0	710.0	570.0	550.0	310.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	4.90
CERIUM	2.0	84.00	110.00	100.00	56.00	94.00	100.00	94.00	84.00	79.00	12.00
CAESIUM	1.0	12.00	18.00	18.00	29.00	16.00	24.00	37.00	27.00	32.00	6.00
CHROMIUM	5.0	61.0	69.0	72.0	53.0	65.0	82.0	57.0	65.0	77.0	270.0
COBALT	1.0	18.00	23.00	21.00	35.00	22.00	16.00	16.00	11.00	23.00	16.00
EUROPIUM	.5	1.10	1.40	1.40	1.80	1.50	1.70	1.90	1.10	1.00	-.50
GOLD, ppb	5.0	5.4	-5.0	-5.0	8.1	-5.0	-5.0	7.4	6.4	5.9	748.0
HAFNIUM	1.0	6.70	6.40	7.20	5.70	5.90	7.40	7.80	7.10	5.90	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.900	3.900	3.600	9.680	4.400	4.300	3.600	3.100	4.300	12.700
LANTHANUM	.5	39.00	48.00	48.00	29.00	44.00	48.00	46.00	40.00	37.00	10.00
LUTETIUM	.2	.71	.82	.77	.39	.66	.75	.67	.62	.71	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-11.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.800	3.800	3.700	1.700	2.800	2.400	2.800	2.900	3.500	.570
[illegible]IDIUM	20.0	160.0	200.0	180.0	130.0	150.0	140.0	180.0	160.0	210.0	49.0
SAMARIUM	.20	7.90	10.00	9.20	5.20	8.70	10.00	8.90	8.00	7.70	2.30
SCANDIUM	.10	12.10	14.60	13.90	7.50	14.60	13.70	12.50	11.10	15.50	6.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.30	1.40	1.60	-1.00	1.40	-1.00	1.10	1.20	1.90	-1.00
THORIUM	.5	14.00	17.00	16.00	16.00	14.00	16.00	14.00	13.00	16.00	2.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	2.40	-2.00	4.10	3.60	-2.00	-2.00	-2.00	4.40	2.80	17.00
URANIUM	2.0	3.90	2.80	6.20	4.60	4.10	2.30	2.30	3.20	-2.00	-2.00
YTTERBIUM	.5	3.70	3.90	3.80	2.20	3.50	3.70	3.50	3.20	3.60	-.50
ZINC	100.0	260.0	250.0	130.0	17200.0	260.0	180.0	330.0	440.0	-100.0	120.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

424386

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23941	# 23942	# 23943	# 23944	# 23945	# 23946	# 23947	# 23948	# 23949	# 23950
ANTIMONY	.2	10.00	9.00	8.90	12.00	8.40	29.20	24.20	20.00	18.00	22.90
ARSENIC	2.0	33.00	35.00	48.00	62.00	47.00	315.00	357.00	80.00	170.00	226.00
BARIUM	100.0	620.0	710.0	820.0	870.0	560.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	83.00	110.00	100.00	94.00	76.00	6.60	5.40	24.00	7.20	3.70
CAESIUM	1.0	36.00	36.00	40.00	42.00	21.00	8.60	8.40	7.40	7.10	7.20
CHROMIUM	5.0	94.0	89.0	100.0	90.0	77.0	7.9	8.7	31.0	14.0	12.0
COBALT	1.0	23.00	26.00	25.00	24.00	14.00	14.00	4.00	14.00	13.00	5.00
EUROPIUM	.5	1.20	1.10	1.60	1.30	1.20	.51	.64	.70	.53	-.50
GOLD, ppb	5.0	11.0	8.5	-5.0	-5.0	9.4	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	5.70	6.30	6.30	5.90	6.10	-1.00	-1.00	2.50	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	4.500	4.700	5.050	4.600	3.900	3.600	2.700	7.570	9.000	4.900
LANTHANUM	.5	39.00	52.90	49.00	45.00	36.00	3.40	2.80	13.00	4.30	2.60
LUTETIUM	.2	.73	.80	.78	.78	.59	-.20	-.20	.25	-.20	-.20
[illegible]YBDENUM	5.0	-5.0	-5.0	-5.0	6.3	6.7	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	3.700	3.900	4.200	4.000	2.300	-.200	-.200	-.200	-.200	-.200
RUBIDIUM	20.0	210.0	230.0	240.0	240.0	140.0	20.0	-20.0	-20.0	-20.0	-20.0
SAMARIUM	.20	8.00	10.00	10.00	9.10	7.30	.92	.85	3.00	1.20	.84
SCANDIUM	.10	16.40	17.40	18.40	17.30	11.00	1.10	.74	7.20	1.20	.78
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.40	2.50	2.10	1.50	1.30	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	17.00	18.00	19.00	19.00	12.00	1.30	.83	5.20	.94	.63
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	2.40	-2.00	-2.00	-2.00	-2.00	2.60
URANIUM	2.0	2.10	3.20	2.70	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	3.70	4.20	4.30	4.10	3.10	-.50	-.50	1.40	-.50	-.50
ZINC	100.0	100.0	-100.0	120.0	170.0	150.0	1300.0	2400.0	4100.0	7600.0	2000.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424387

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23951	# 23952	# 23953	# 23954	# 23955	# 23956	# 23957	# 23958	# 23959	# 23960
ANTIMONY	.2	35.10	17.00	31.90	23.90	8.10	5.40	24.20	30.30	20.50	-.20
ARSENIC	2.0	252.00	130.00	86.00	32.00	27.00	14.00	16.00	22.00	15.00	3.60
BARIUM	100.0	140.0	-100.0	-100.0	230.0	2600.0	3100.0	3300.0	1800.0	1500.0	640.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	-2.00	4.00	4.80	42.00	150.00	100.00	87.00	79.00	60.00	95.00
CAESIUM	1.0	6.60	2.20	-1.00	2.40	29.00	25.00	24.00	12.00	8.10	11.00
CHROMIUM	5.0	12.0	14.0	24.0	45.0	110.0	83.0	89.0	75.0	240.0	370.0
COBALT	1.0	9.30	9.20	5.00	13.00	12.00	12.00	18.00	15.00	25.00	35.00
EUROPIUM	.5	-.50	.83	1.00	2.90	1.50	1.60	1.50	1.50	.81	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	10.0	-5.0	-5.0	-5.0	-5.0	-5.0	290.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	2.60	8.70	9.30	6.70	5.30	6.00	9.30
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	5.820	5.740	6.600	6.810	3.400	4.000	5.510	6.360	5.540	5.920
LANTHANUM	.5	2.20	2.40	3.40	22.00	79.50	50.50	42.00	38.00	28.00	48.00
LUTETIUM	.2	-.20	-.20	-.20	.31	.90	.82	.64	.61	.59	.64
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	3.900	3.700	2.600	.820	.750	1.300
RUBIDIUM	20.0	-20.0	-20.0	-20.0	-20.0	210.0	210.0	140.0	79.0	43.0	99.0
SAMARIUM	.20	.80	1.00	1.10	4.60	11.00	10.00	8.50	8.00	6.30	9.40
SCANDIUM	.10	.81	.84	1.10	6.50	17.10	10.90	17.30	13.20	25.30	14.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	2.90	1.50	1.40	1.50	1.10	2.10
THORIUM	.5	.63	-.50	.74	5.30	21.00	16.00	14.00	12.00	9.30	18.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	3.10	-2.00	4.60	3.10	3.20	-2.00	3.40	4.20	-2.00	7.50
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	3.80	-2.00	2.00	-2.00	-2.00	-2.00
YiTERBIUM	.5	-.50	-.50	-.50	1.50	4.50	4.30	3.60	3.00	3.00	3.00
ZINC	100.0	6300.0	5500.0	180.0	740.0	130.0	130.0	220.0	180.0	250.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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424388

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23961	# 23962	# 23963	# 23964	# 23965	# 23966	# 23967	# 23968	# 23969	# 23911x2
ANTIMONY	.2	10.00	6.50	5.60	10.00	15.00	14.00	8.10	4.80	7.00	19.00
ARSENIC	2.0	140.00	51.00	56.00	45.00	25.00	22.00	12.00	7.80	8.80	73.00
BARIUM	100.0	910.0	480.0	740.0	1700.0	1100.0	1000.0	460.0	-100.0	900.0	650.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	75.00	87.00	88.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	94.00
CAESIUM	1.0	44.00	26.00	41.00	11.00	7.90	3.60	3.20	1.40	4.20	17.00
CHROMIUM	5.0	65.0	68.0	110.0	523.0	662.0	300.0	230.0	120.0	180.0	130.0
COBALT	1.0	13.00	11.00	22.00	40.00	45.00	52.00	56.00	74.00	52.00	30.00
EUROPIUM	.5	1.40	1.60	1.50	-.50	-.50	-.50	-.50	.54	.56	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	10.0
HAFNIUM	1.0	7.90	8.30	6.10	-1.00	-1.00	-1.00	-1.00	-1.00	1.10	4.80
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.400	4.300	5.360	5.970	7.240	8.180	9.480	10.400	9.920	4.000
LANTHANUM	.5	35.00	42.00	42.00	1.30	.83	.53	.63	.59	.87	43.00
LUTETIUM	.2	.65	.67	.70	-.20	-.20	.22	.35	.62	.51	.71
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	15.0
POTASSIUM, %	.2	1.600	1.300	2.600	2.100	.800	.890	.460	-.200	1.900	3.200
RUBIDIUM	20.0	110.0	110.0	160.0	140.0	66.0	51.0	50.0	32.0	100.0	180.0
SAMARIUM	.20	7.40	8.50	8.60	.71	.52	.59	1.00	1.30	1.30	9.20
SCANDIUM	.10	10.00	11.90	17.00	49.50	58.80	50.80	56.30	47.30	59.50	16.20
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.20	1.70	1.40	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	1.10
THORIUM	.5	11.00	12.00	15.00	-.50	.66	-.50	-.50	-.50	-.50	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	2.60
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	3.40
YTTERBIUM	.5	3.10	3.40	3.80	1.00	.92	1.50	2.30	3.40	2.80	3.50
ZINC	100.0	940.0	150.0	110.0	190.0	350.0	400.0	410.0	330.0	380.0	300.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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MENAI, NSW, 2234

424389

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 996

ELEMENT	DL	# 23937x2	# 23950x2	# 23969x2
ANTIMONY	.2	7.90	22.80	7.30
ARSENIC	2.0	57.00	221.00	10.00
BARIUM	100.0	740.0	-100.0	810.0
BROMINE	2.0	-2.00	-2.00	-2.00
CERIUM	2.0	95.00	3.90	-2.00
CAESIUM	1.0	39.00	6.90	5.00
CHROMIUM	5.0	62.0	13.0	180.0
COBALT	1.0	16.00	5.20	51.00
EUROPIUM	.5	1.90	.51	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	8.10	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.600	4.700	9.920
LANTHANUM	.5	46.00	2.60	.75
LUTETIUM	.2	.74	-.20	.54
MOLYBDENUM	5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.600	-.200	1.500
RUBIDIUM	20.0	180.0	-20.0	100.0
SAMARIUM	.20	9.00	.87	1.30
SCANDIUM	.10	12.60	.88	60.50
SELENIUM	5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00
TANTALUM	1.0	1.20	-1.00	-1.00
THORIUM	.5	14.00	.80	-.50
TIN	500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00
URANIUM	2.0	2.10	-2.00	-2.00
YTTERBIUM	.5	3.50	-.50	2.70
ZINC	100.0	350.0	1800.0	370.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0

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MENAI, NSW, 2234

424390

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07223	26/07/90	0175	6 OF 7

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Pb:1	Zn	Zn	Zn:1	Sn	
1	T28427	30	2100	–	–	2550	–	–	76	
2	T28428	55	–	–	5350	>10000	–	9200	69	
3	T28429	245	–	–	8350	>10000	2.68	–	122	
4	T28430	15	155	–	–	375	–	–	146	
5	T28431	125	>10000	1.00	–	>10000	1.50	–	92	
6	T28648	40	1600	–	–	1700	–	–	42	
7	T28649	55	5400	–	5400	>10000	1.05	–	59	
8	T28650	105	–	2.94	–	>10000	6.03	–	28	
9	T28651	50	–	2.48	–	>10000	5.27	–	43	
10	T28652	750	–	5.25	–	>10000	17.30	–	34	
	T28653	350	–	4.67	–	>10000	14.50	–	15	
12	T28654	400	–	6.03	–	>10000	6.86	–	3	
13	T28655	260	–	7.12	–	>10000	6.93	–	6	
14	T28656	255	–	2.40	–	>10000	4.68	–	19	
15	T28657	230	5650	–	–	5200	–	–	4	
16	T28658	885	4500	–	–	6350	–	–	13	
17	T28659	10	290	–	–	1900	–	–	14	
18	T28660	10	1200	–	–	920	–	–	14	
19	T28661	5	765	–	–	4750	–	–	8	
20	T28662	70	3000	–	–	2800	–	–	50	
21	T28663	130	>10000	2.04	–	–	–	4575	67	
22	T28664	40	–	–	9800	–	–	175	10	
23	T28665	15	>10000	1.17	–	–	–	2450	8	
	T28666	15	4350	–	–	180	–	–	11	
25	T28667	10	500	–	–	85	–	–	<3	

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424391

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07223	26/07/90	0175	7 OF 7

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Pb:1	Zn	Zn	Zn:1	Sn	
1	T28668	25	230	--	--	110	--	--	7	
2	T28669	10	155	--	--	100	--	--	4	
3	T28670	95	860	--	--	170	--	--	<3	
4	T28671	20	1250	--	--	80	--	--	8	
5	T28672	15	280	--	--	145	--	--	7	
6	T28673	75	2000	--	--	345	--	--	<3	
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	0.01	25	5	0.01	25	3	
	UNITS	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
25	METHOD	101	101	104	104	101	104	104	401	

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
X = element concentration is below detection limit
-- = element not determined

AUTHORISED OFFICER

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 059

ELEMENT	DL	# 28431	# 28648	# 28649	# 28650	# 28651	# 28652	# 28653	# 28654	# 28655	# 28656
ANTIMONY	.2	52.40	17.00	26.50	355.00	109.00	116.00	151.00	90.50	64.60	35.50
ARSENIC	2.0	81.00	89.00	26.00	399.00	351.00	52.00	20.00	7.60	4.70	8.60
BARIUM	100.0	-100.0	1400.0	870.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	2.60	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	-2.00	100.00	78.00	-2.00	-2.00	5.50	3.20	-2.00	-2.00	-2.00
CAESIUM	1.0	44.00	24.00	18.00	-1.00	-1.00	2.60	3.20	2.10	-1.00	1.60
CHROMIUM	5.0	130.0	84.0	50.0	31.0	12.0	11.0	10.0	14.0	6.8	18.0
COBALT	1.0	40.00	10.00	11.00	1.40	1.00	3.60	6.80	6.50	6.00	8.10
EUROPIUM	.5	-.50	1.00	.91	-.50	-.50	-.50	-.50	-.50	-.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	7.90	5.30	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	5.920	2.400	6.100	25.100	20.900	22.000	25.500	24.100	24.600	32.700
LANTHANUM	.5	.73	48.00	38.00	6.00	.63	2.00	1.00	.69	.71	1.10
LUTETIUM	.2	-.20	.88	.50	-.20	-.20	-.20	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.000	4.100	1.900	.510	.200	-.200	-.200	-.200	-.200	-.200
RUBIDIUM	20.0	380.0	250.0	150.0	77.0	40.0	43.0	52.0	55.0	47.0	70.0
SAMARIUM	.20	.41	9.40	6.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20
SCANDIUM	.10	51.10	15.50	10.00	.47	.34	.48	.48	.35	.25	.38
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	57.00	67.00	50.00	55.00	32.00	46.00	43.00
TANTALUM	1.0	-1.00	1.10	1.10	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	18.00	11.00	-.50	.60	-.50	.56	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	40.00	3.90	2.70	-2.00	-2.00	4.30	4.60	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	2.20	3.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	.62	4.20	2.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
ZINC	100.0	15800.0	1500.0	10200.0	50100.0	45300.0	137000.0	116000.0	55500.0	57300.0	39600.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

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Telephone: (02) 543 2644
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P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 059

ELEMENT	DL	# 28657	# 28658	# 28659	# 28660	# 28661	# 28662	# 28663	# 28664	# 28665	# 28666
ANTIMONY	.2	23.30	44.90	18.00	19.00	18.00	46.40	1250.00	47.10	43.40	21.60
ARSENIC	2.0	21.00	22.00	12.00	21.00	29.00	33.00	180.00	33.00	2190.00	18.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	-100.0	750.0	700.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	5.70	2.10
CERIUM	2.0	-2.00	5.50	15.00	11.00	16.00	92.00	44.00	-2.00	-2.00	-2.00
CAESIUM	1.0	2.00	2.00	9.10	10.00	7.40	35.00	22.00	1.10	-1.00	-1.00
CHROMIUM	5.0	12.0	20.0	11.0	11.0	11.0	85.0	50.0	-5.0	-5.0	-5.0
COBALT	1.0	11.00	7.10	8.00	5.40	8.10	22.00	11.00	-1.00	-1.00	-1.00
EUROPIUM	.5	-.50	-.50	.78	-.50	-.50	1.20	1.70	.59	.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-12.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	1.00	1.10	1.50	4.60	2.90	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	36.900	33.400	10.500	8.540	8.550	9.660	22.200	14.300	11.700	7.830
LANTHANUM	.5	1.70	5.10	10.00	7.70	9.40	46.00	31.00	1.30	.80	.77
LUTETIUM	.2	-.20	-.20	-.20	-.20	-.20	.65	.64	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
[illegible]SSIUM, %	.2	-.200	-.200	-.200	-.200	-.200	2.300	2.500	-.200	-.200	-.200
RUBIDIUM	20.0	67.0	74.0	22.0	-20.0	-20.0	220.0	160.0	32.0	28.0	20.0
SAMARIUM	.20	.27	.45	2.00	1.40	1.90	6.70	4.10	.45	.51	.31
SCANDIUM	.10	.71	1.00	2.30	1.90	3.10	14.40	7.30	.13	.29	-.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-11.0	-5.0	-5.0	-5.0
SILVER	5.0	20.00	21.00	-5.00	-5.00	-5.00	-5.00	52.00	22.00	16.00	13.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	1.30	1.70	-1.00	-1.00	-1.00
THORIUM	.5	.58	1.20	1.80	1.80	2.00	14.00	7.40	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-1000.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	2.30	-2.00	-2.00	-2.00	3.70	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	2.70	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	1.00	.65	.79	3.20	1.00	-.50	-.50	-.50
ZINC	100.0	4100.0	5100.0	1900.0	900.0	4700.0	3000.0	4300.0	200.0	2300.0	180.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 059

ELEMENT	DL	# 28667	# 28668	# 28669	# 28670	# 28671	# 28672	# 28673	# 28310x2	# 28331x2	# 28357x2
ANTIMONY	.2	4.30	8.90	6.90	42.30	7.00	5.00	22.70	6.90	.80	1.60
ARSENIC	2.0	57.00	328.00	351.00	207.00	278.00	130.00	1100.00	110.00	5.40	4.20
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	-100.0	2400.0	-100.0	160.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	2.90	-2.00	-2.00	-2.00
CERIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CAESIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	17.00	15.00	34.00
CHROMIUM	5.0	-5.0	-5.0	-5.0	-5.0	6.5	6.0	9.1	2100.0	3700.0	81.0
COBALT	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	55.00	131.00	48.00
EUROPIUM	.5	-.50	-.50	-.50	.50	.56	.63	-.50	-.50	-.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	17.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	6.030	8.310	7.740	17.500	12.500	7.100	24.000	6.750	7.730	12.400
LANTHANUM	.5	-.50	-.50	-.50	.89	1.10	.76	.63	.95	-.50	2.00
[illegible]TIUM	.2	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	.26
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	-.200	-.200	-.200	.620	-.200	.470
RUBIDIUM	20.0	-20.0	-20.0	-20.0	34.0	31.0	-20.0	48.0	92.0	-20.0	180.0
SAMARIUM	.20	.25	.25	.31	.39	.31	.23	-.20	-.20	-.20	.77
SCANDIUM	.10	-.10	-.10	.12	.13	-.10	.34	.11	30.30	18.50	46.70
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	6.70	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	1.60
ZINC	100.0	-100.0	-100.0	-100.0	190.0	-100.0	170.0	280.0	830.0	120.0	170.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 059

ELEMENT	DL	# 28364x2	# 28397x2	# 28409x2	# 28429x2	# 28665x2
ANTIMONY	.2	1.40	61.50	21.80	147.00	43.80
ARSENIC	2.0	5.20	455.00	16.00	2100.00	2150.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	5.10	6.00
CERIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00
CAESIUM	1.0	29.00	69.00	83.00	37.00	-1.00
CHROMIUM	5.0	230.0	82.0	1160.0	320.0	-5.0
COBALT	1.0	42.00	40.00	51.00	34.00	-1.00
EUROPIUM	.5	-.50	-.50	-.50	-.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.130	8.580	8.880	8.070	11.800
LANTHANUM	.5	.91	-.50	.56	1.00	.80
LUTETIUM	.2	.43	.24	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.000	.810	.760	1.400	-.200
RUBIDIUM	20.0	320.0	350.0	390.0	420.0	35.0
[illegible]RIUM	.20	1.00	.51	.48	.46	.48
SCANDIUM	.10	55.20	41.90	58.70	48.60	.32
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	17.00
TANTALUM	1.0	1.40	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	-.50	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	78.00	70.00	67.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	2.10	.88	1.20	.57	-.50
ZINC	100.0	250.0	1400.0	820.0	28900.0	2300.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424396

5521/325

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A division of MacDonald Hamilton & Co. Pty. Ltd.

Phone (09) 458 7999 | 52 Murray Road, Welshpool, W.A. 6106 | Telex AA92560

FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.07281

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0180	T 5521

DATE RECEIVED	RESULTS REQUIRED
03/08/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
6	24/08/90	1	129

REFER BELOW	SAMPLE NUMBERS	PRE-TREATMENT: DRY	CRUSH	SPLIT	PULVERISE	SIEVE	OTHER SEE REMARKS	NONE	ANALYSIS: REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	<T28,501/629	DC	Prep: 002,016						Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	Various	DC							Cu,Pb,Zn/101		
	Various	DC							Sn/401		

RESULTS TO

Mark Fleming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 - ZEEHAN

Comstock Grid

Drill hole samples

CS002.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
rock	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
soil	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

AUTHORISED OFFICER

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ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07281	24/08/90	0180	1 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28501	35	10	–	60	–	15			
2	T28502	40	15	–	80	–	10			
3	T28503	30	15	–	320	–	16			
4	T28504	30	20	–	65	–	16			
5	T28505	40	60	–	45	–	17			
6	T28506	30	20	–	60	–	13			
7	T28507	30	20	–	105	–	16			
8	T28508	25	30	–	55	–	13			
9	T28509	35	<5	–	65	–	16			
10	T28510	40	50	–	80	–	14			
11	T28511	35	65	–	65	–	18			
12	T28512	35	20	–	45	–	15			
13	T28513	40	15	–	105	–	15			
14	T28514	35	35	–	120	–	17			
15	T28515	25	10	–	60	–	17			
16	T28516	30	50	–	155	–	17			
17	T28517	40	160	–	875	–	10			
18	T28518	70	340	–	>5000	0.56	10			
19	T28519	95	325	–	265	–	20			
20	T28520	–	–	–	–	–	–			
21	T28521	30	95	–	135	–	11			
22	T28522	40	320	–	325	–	17			
23	T28523	30	30	–	155	–	14			
24	T28524	110	15	–	120	–	16			
25	T28525	75	5	–	140	–	17			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424398

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
[redacted]	95.1.08.07281	24/08/90	0180	2 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28526	90	15	–	140	–	9			
2	T28527	95	10	–	215	–	12			
3	T28528	60	5	–	230	–	8			
4	T28529	130	5	–	175	–	14			
5	T28530	85	35	–	430	–	12			
6	T28531	80	5	–	130	–	16			
7	T28532	130	395	–	1750	–	19			
8	T28533	115	65	–	245	–	13			
9	T28534	60	<5	–	345	–	9			
10	T28535	90	305	–	855	–	15			
[redacted]	T28536	130	575	–	710	–	15			
12	T28537	80	20	–	125	–	14			
13	T28538	80	300	–	120	–	21			
14	T28539	55	<5	–	75	–	16			
15	T28540	–	–	–	–	–	–			
16	T28541	125	<5	–	110	–	13			
17	T28542	100	<5	–	80	–	11			
18	T28543	95	95	–	360	–	14			
19	T28544	45	20	–	160	–	19			
20	T28545	80	1900	–	2250	–	28			
21	T28546	60	270	–	630	–	15			
22	T28547	40	1750	–	1800	–	25			
23	T28548	305	365	–	610	–	16			
[redacted]	T28549	60	200	–	495	–	17			
25	T28550	115	35	–	160	–	20			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
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– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424399

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07281	24/08/90	0180	3 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28551	60	205	–	405	–	12			
2	T28552	90	65	–	190	–	13			
3	T28553	75	<5	–	150	–	18			
4	T28554	55	15	–	130	–	14			
5	T28555	145	<5	–	110	–	12			
6	T28556	90	30	–	130	–	13			
7	T28557	70	40	–	210	–	20			
8	T28558	30	375	–	2150	–	22			
9	T28559	60	120	–	265	–	15			
10	T28560	–	–	–	–	–	–			
11	T28561	45	200	–	250	–	15			
12	T28562	50	2800	–	4350	–	85			
13	T28563	165	25	–	150	–	14			
14	T28564	100	2900	–	>5000	0.58	96			
15	T28565	100	10	–	160	–	11			
16	T28566	90	<5	–	160	–	17			
17	T28567	75	470	–	1250	–	43			
18	T28568	90	1900	–	4300	–	162			
19	T28569	70	1650	–	>5000	0.67	119			
20	T28570	145	>5000	9300	>5000	2.08	191			
21	T28571	495	4300	–	4700	–	573			
22	T28572	660	>5000	17700	>5000	12.97	508			
23	T28573	600	>5000	32400	>5000	8.33	437			
24	T28574	100	>5000	8700	>5000	0.96	269			
25	T28575	80	2250	–	3300	–	145			

Results in ppm unless otherwise specified
T = element present: but concentration too low to measure
N = element concentration is below detection limit
– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07281	24/08/90	0180	4 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28576	65	1700	–	3100	–	74			
2	T28577	120	3350	–	>5000	0.58	202			
3	T28578	120	1400	–	4250	–	132			
4	T28579	45	2175	–	>5000	0.87	110			
5	T28580	–	–	–	–	–	–			
6	T28581	105	>5000	7300	>5000	1.42	126			
7	T28582	225	745	–	1750	–	66			
8	T28583	115	95	–	300	–	23			
9	T28584	105	<5	–	145	–	14			
10	T28585	100	30	–	125	–	10			
	T28586	95	65	–	345	–	12			
12	T28587	75	5	–	125	–	11			
13	T28588	70	5	–	200	–	21			
14	T28589	70	<5	–	170	–	13			
15	T28590	70	<5	–	175	–	12			
16	T28591	70	45	–	410	–	19			
17	T28592	25	15	–	40	–	15			
18	T28593	30	<5	–	50	–	20			
19	T28594	45	125	–	350	–	18			
20	T28595	40	30	–	180	–	17			
21	T28596	45	610	–	1300	–	24			
22	T28597	25	460	–	790	–	20			
23	T28598	15	10	–	190	–	13			
	T28599	20	30	–	75	–	17			
25	T28600	–	–	–	–	–	–			

Results in ppm unless otherwise specified
T = element present, but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07281	24/08/90	0180	5 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28601	25	10	–	50	–	13			
2	T28602	45	5	–	60	–	15			
3	T28603	20	20	–	85	–	13			
4	T28604	35	15	–	120	–	18			
5	T28605	45	75	–	230	–	21			
6	T28606	45	20	–	75	–	23			
7	T28607	20	20	–	45	–	14			
8	T28608	25	20	–	115	–	14			
9	T28609	40	40	–	150	–	18			
10	T28610	25	50	–	110	–	19			
11	T28611	60	95	–	785	–	17			
12	T28612	50	40	–	135	–	14			
13	T28613	50	85	–	245	–	21			
14	T28614	45	60	–	105	–	15			
15	T28615	30	40	–	145	–	17			
16	T28616	15	5	–	75	–	8			
17	T28617	10	10	–	75	–	13			
18	T28618	35	5	–	110	–	19			
19	T28619	65	60	–	140	–	19			
20	T28620	–	–	–	–	–	–			
21	T28621	45	10	–	60	–	15			
22	T28622	5	5	–	50	–	12			
23	T28623	85	10	–	95	–	17			
24	T28624	75	30	–	65	–	14			
25	T28625	30	30	–	260	–	16			

Results in ppm unless otherwise specified

– = element present, but concentration too low to measure

< = element concentration is below detection limit

* = element not determined

AUTHORISED OFFICER

424402

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No	PAGE
	95.1.08.07281	24/08/90	0180	6 OF 6

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28626	35	25	–	150	–	13			
2	T28627	35	30	–	85	–	15			
3	T28628	80	100	–	615	–	11			
4	T28629	180	10	–	105	–	18			
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	5	5	25	5	0.01	3			
24	UNITS	ppm	ppm	ppm	ppm	%	ppm			
25	METHOD	101	101	105	101	105	401			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
X = element concentration is below detection limit
– = element not determined

AUTHORISED OFFICER

N E U T R O N A C T I V A T I O N A N A L Y S I S

NEUTRON ACTIVATION ANALYSIS REPORT

Date: 23-08-90

RGC TASMANIA SAMPLE Nos:T28501 - T28629
BECQUEREL JOB # 082

NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ELEVATED DL's FOR SAMPLES 28570-28573 DUE TO HIGH ARSENIC

ELEMENT	DL	# 28501	# 28502	# 28503	# 28504	# 28505	# 28506	# 28507	# 28508	# 28509	# 28510
ANTIMONY	.2	1.00	3.00	5.40	3.40	12.00	4.70	2.00	4.20	1.10	13.00
ARSENIC	2.0	3.60	8.50	59.00	62.00	52.00	38.00	33.00	19.00	3.80	26.00
BARIUM	100.0	500.0	350.0	350.0	490.0	470.0	530.0	350.0	470.0	570.0	490.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	110.00	95.00	95.00	110.00	120.00	110.00	97.00	110.00	110.00	94.00
CAESIUM	1.0	22.00	13.00	16.00	18.00	22.00	20.00	19.00	19.00	25.00	19.00
CHROMIUM	5.0	78.0	110.0	61.0	80.0	77.0	81.0	59.0	88.0	74.0	80.0
COBALT	1.0	5.50	7.80	13.00	11.00	14.00	11.00	9.40	5.80	8.30	13.00
EUROPIUM	.5	1.50	1.30	1.30	1.40	1.40	1.30	1.00	1.50	1.50	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	8.8	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	7.10	7.70	7.50	7.30	6.90	7.30	7.70	8.00	7.20	6.90
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	2.100	3.900	4.400	4.000	4.400	3.600	4.700	3.700	4.000	3.800
LANTHANUM	.5	51.20	47.00	46.00	51.50	55.00	54.30	46.00	49.00	54.30	46.00
LUTETIUM	.2	.78	.74	.73	.80	.80	.82	.77	.76	.82	.68
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	3.300	1.900	2.700	3.000	3.600	3.500	2.500	3.000	3.600	2.800
RUBIDIUM	20.0	190.0	110.0	160.0	180.0	210.0	220.0	150.0	170.0	200.0	170.0
SAMARIUM	.20	10.00	9.00	9.20	10.00	10.00	10.00	9.10	10.00	11.00	8.80
SCANDIUM	.10	14.40	10.80	13.10	15.30	17.00	16.60	13.10	13.70	16.90	13.30
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	1.30	-1.00	1.40	1.20	1.30	1.60	1.10	1.80	-1.00
THORIUM	.5	16.00	13.00	15.00	17.00	19.00	18.00	15.00	17.00	19.00	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	2.30	2.60	3.30	2.50	3.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	2.80	2.90	-2.00	3.60	3.30	2.70	2.70	2.50	3.70	2.70
YTTERBIUM	.5	4.00	3.80	3.70	4.20	4.10	4.20	3.90	4.00	4.30	3.60
ZINC	100.0	-100.0	100.0	380.0	100.0	-100.0	-100.0	140.0	-100.0	110.0	120.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	660.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 082

ELEMENT	DL	# 28511	# 28512	# 28513	# 28514	# 28515	# 28516	# 28517	# 28518	# 28519	# 28520
ANTIMONY	.2	3.90	2.70	4.40	6.70	4.70	7.70	23.40	42.80	30.60	.22
ARSENIC	2.0	22.00	13.00	14.00	23.00	68.00	41.00	60.00	61.00	62.00	2.90
BARIUM	100.0	480.0	480.0	520.0	510.0	540.0	490.0	-100.0	270.0	320.0	530.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	110.00	120.00	120.00	120.00	110.00	120.00	38.00	74.00	91.00	75.00
CAESIUM	1.0	21.00	24.00	26.00	27.00	20.00	25.00	3.80	11.00	13.00	18.00
CHROMIUM	5.0	72.0	80.0	81.0	82.0	71.0	100.0	38.0	84.0	100.0	470.0
COBALT	1.0	13.00	9.40	16.00	13.00	12.00	13.00	12.00	22.00	28.00	24.00
EUROPIUM	.5	1.50	1.60	1.50	1.80	1.40	1.30	1.60	1.40	1.30	.77
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	15.0	58.0
HAFNIUM	1.0	8.10	8.50	8.70	8.20	7.70	7.80	2.20	5.10	5.30	8.60
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	4.200	3.600	4.200	3.500	4.100	3.900	9.410	11.000	15.400	4.300
LANTHANUM	.5	54.70	56.20	58.60	57.90	53.90	55.00	20.00	37.00	45.00	37.00
LUTETIUM	.2	.87	.88	.89	.88	.82	.89	.27	.41	.53	.44
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	3.400	3.200	3.400	3.600	3.200	3.400	.390	1.600	1.900	1.900
RUBIDIUM	20.0	190.0	180.0	190.0	200.0	200.0	200.0	25.0	96.0	110.0	210.0
SAMARIUM	.20	11.00	11.00	11.00	11.00	11.00	11.00	4.50	7.40	9.20	7.80
SCANDIUM	.10	15.70	15.20	16.60	16.60	15.80	16.60	7.40	17.20	17.80	12.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.20	2.40	2.10	2.40	1.40	-1.00	-1.00	2.40	-1.00	3.50
THORIUM	.5	18.00	19.00	20.00	19.00	18.00	19.00	6.40	13.00	13.00	14.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	2.10	2.30	-2.00	-2.00	3.00	-2.00	-2.00	-2.00	-2.00	6.30
URANIUM	2.0	3.10	2.60	3.40	3.30	-2.00	2.90	-2.00	-2.00	2.40	4.00
YTTERBIUM	.5	4.30	4.40	4.70	4.70	4.30	4.60	1.60	2.30	3.00	2.30
ZINC	100.0	-100.0	-100.0	130.0	160.0	-100.0	210.0	900.0	5900.0	320.0	130.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 082

ELEMENT	DL	# 28521	# 28522	# 28523	# 28524	# 28525	# 28526	# 28527	# 28528	# 28529	# 28530
ANTIMONY	.2	9.00	3.40	3.10	8.10	4.10	11.00	4.00	3.70	3.20	3.40
ARSENIC	2.0	21.00	59.00	45.00	42.00	51.00	84.00	31.00	55.00	47.00	31.00
BARIUM	100.0	-100.0	340.0	460.0	240.0	130.0	230.0	280.0	460.0	350.0	520.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	24.00	97.00	90.00	51.00	60.00	71.00	86.00	64.00	94.00	77.00
CAESIUM	1.0	1.90	13.00	16.00	12.00	7.70	11.00	13.00	10.00	18.00	17.00
CHROMIUM	5.0	16.0	60.0	51.0	503.0	160.0	250.0	200.0	160.0	180.0	320.0
COBALT	1.0	10.00	7.40	6.60	62.00	28.00	41.00	45.00	20.00	43.00	37.00
EUROPIUM	.5	.84	1.50	1.10	1.70	1.90	2.10	2.60	3.50	3.60	3.10
GOLD, ppb	5.0	6.4	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	1.10	11.00	8.60	4.40	4.20	5.50	5.90	5.40	7.80	7.60
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	7.820	4.000	4.100	8.860	7.330	7.540	8.350	8.140	7.120	7.030
[illegible]NTHANUM	.5	13.00	45.00	41.00	24.00	29.00	31.00	38.00	27.00	39.00	33.00
[illegible]ETIUM	.2	-.20	.74	.75	.42	.42	.54	.60	.49	.70	.67
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	2.000	2.300	.820	.360	.940	1.100	1.000	1.400	1.900
RUBIDIUM	20.0	-20.0	120.0	140.0	61.0	29.0	89.0	71.0	290.0	110.0	150.0
SAMARIUM	.20	3.30	9.10	8.20	7.20	7.60	9.00	10.00	9.10	13.00	11.00
SCANDIUM	.10	4.60	10.00	11.10	27.60	20.60	26.00	27.70	23.40	32.40	35.60
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	1.70	1.40	1.90	1.60	2.10	2.80	1.60	2.80	2.10
THORIUM	.5	3.00	14.00	14.00	3.50	4.50	5.70	7.80	5.40	7.70	7.10
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	2.30	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	2.20	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	1.10	4.00	4.00	2.50	2.40	3.00	3.30	2.70	4.00	4.00
ZINC	100.0	150.0	350.0	200.0	160.0	170.0	190.0	280.0	290.0	240.0	500.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	510.0

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MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 082

ELEMENT	DL	# 28531	# 28532	# 28533	# 28534	# 28535	# 28536	# 28537	# 28538	# 28539	# 28540
ANTIMONY	.2	2.80	4.40	5.30	1.40	10.00	16.00	11.00	12.00	2.60	.24
ARSENIC	2.0	24.00	52.00	217.00	18.00	57.00	110.00	24.00	53.00	32.00	3.20
BARIUM	100.0	370.0	570.0	610.0	950.0	520.0	890.0	2500.0	2900.0	1200.0	480.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	61.00	84.00	16.00	26.00	62.00	56.00	88.00	67.00	85.00	75.00
CAESIUM	1.0	13.00	17.00	14.00	21.00	14.00	13.00	17.00	10.00	5.10	19.00
CHROMIUM	5.0	220.0	350.0	1530.0	110.0	190.0	420.0	130.0	360.0	120.0	470.0
COBALT	1.0	54.00	62.00	68.00	35.00	53.00	52.00	37.00	62.00	16.00	23.00
EUROPIUM	.5	2.90	2.60	.69	1.00	2.10	1.70	2.50	2.10	3.00	.90
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	8.1	-5.0	-5.0	-5.0	65.0
HAFNIUM	1.0	5.20	6.50	1.30	2.10	4.90	4.10	6.70	6.20	4.20	8.80
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.530	8.310	7.730	7.990	7.120	7.060	6.990	9.050	8.310	4.300
LANTHANUM	.5	28.00	37.00	7.50	12.00	28.00	24.00	38.00	29.00	45.00	37.00
LUTETIUM	.2	.51	.65	.43	.61	.51	.43	.68	.56	.45	.45
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.200	1.500	1.400	2.200	1.700	2.200	1.800	1.800	.460	2.200
RUBIDIUM	20.0	110.0	130.0	100.0	120.0	160.0	170.0	120.0	110.0	34.0	200.0
SAMARIUM	.20	9.00	10.00	2.40	3.70	7.90	6.90	11.00	9.00	10.00	7.80
SCANDIUM	.10	23.10	30.70	42.90	52.90	25.00	24.70	26.00	35.30	19.70	12.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.00	2.60	-1.00	1.90	1.80	1.60	2.90	2.80	1.50	3.50
THORIUM	.5	5.70	7.20	1.90	4.30	6.70	4.70	8.20	6.20	4.40	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	4.90
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	2.30
YTTERBIUM	.5	2.90	3.60	2.30	3.60	3.00	2.30	3.70	3.20	2.70	2.30
ZINC	100.0	170.0	1600.0	310.0	420.0	930.0	770.0	170.0	160.0	110.0	130.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 082

ELEMENT	DL	# 28541	# 28542	# 28543	# 28544	# 28545	# 28546	# 28547	# 28548	# 28549	# 28550
ANTIMONY	.2	2.10	1.00	5.80	1.00	41.20	7.20	9.20	5.40	3.70	7.00
ARSENIC	2.0	35.00	19.00	55.00	12.00	100.00	28.00	74.00	42.00	42.00	43.00
BARIUM	100.0	2300.0	1800.0	1900.0	820.0	560.0	1100.0	570.0	490.0	450.0	270.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	92.00	92.00	71.00	86.00	78.00	79.00	61.00	63.00	58.00	83.00
CAESIUM	1.0	21.00	28.00	16.00	22.00	13.00	17.00	7.10	8.40	8.70	21.00
CHROMIUM	5.0	140.0	180.0	280.0	100.0	120.0	120.0	220.0	370.0	190.0	180.0
COBALT	1.0	30.00	22.00	24.00	28.00	33.00	31.00	45.00	43.00	41.00	48.00
EUROPIUM	.5	2.70	1.90	2.40	1.70	3.20	2.60	2.60	2.30	2.50	2.60
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	7.50	6.70	6.50	4.70	5.20	6.30	6.00	6.20	5.70	7.30
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.960	6.350	7.820	6.410	12.300	9.180	12.200	9.890	10.100	10.400
LANTHANUM	.5	39.00	38.00	31.00	38.00	36.00	36.00	27.00	28.00	25.00	34.00
LUTETIUM	.2	.68	.70	.60	.60	.57	.65	.56	.51	.53	.75
[illegible]YBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
[illegible]ASSIUM, %	.2	2.000	2.300	2.000	2.300	2.300	2.500	1.900	1.700	1.900	1.800
RUBIDIUM	20.0	130.0	150.0	140.0	140.0	190.0	140.0	100.0	100.0	120.0	140.0
SAMARIUM	.20	12.00	11.00	9.00	9.00	10.00	10.00	8.50	8.30	8.40	12.00
SCANDIUM	.10	34.00	32.10	33.00	22.10	27.80	31.20	33.10	36.10	29.40	38.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	3.30	2.10	2.50	3.00	2.20	3.40	2.80	3.50	2.20	3.00
THORIUM	.5	6.50	8.40	5.50	12.00	5.60	8.00	4.00	4.40	4.60	6.20
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	2.40	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	3.70	3.60	3.20	3.20	3.10	3.30	3.00	2.90	2.80	4.10
ZINC	100.0	200.0	160.0	460.0	220.0	2300.0	780.0	1900.0	740.0	560.0	230.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 082

ELEMENT	DL	# 28551	# 28552	# 28553	# 28554	# 28555	# 28556	# 28557	# 28558	# 28559	# 28560
ANTIMONY	.2	6.90	4.70	1.50	1.90	1.50	11.00	7.90	7.10	7.00	.30
ARSENIC	2.0	41.00	25.00	-2.00	49.00	4.70	54.00	43.00	76.00	53.00	4.10
BARIUM	100.0	540.0	150.0	130.0	850.0	170.0	720.0	380.0	-100.0	530.0	670.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	79.00	94.00	84.00	110.00	84.00	100.00	79.00	31.00	30.00	98.00
CAESIUM	1.0	14.00	8.90	17.00	34.00	22.00	22.00	16.00	3.10	18.00	10.00
CHROMIUM	5.0	130.0	170.0	210.0	120.0	170.0	220.0	150.0	47.0	79.0	350.0
COBALT	1.0	42.00	48.00	59.00	41.00	51.00	50.00	35.00	17.00	29.00	34.00
EUROPIUM	.5	2.50	2.90	2.60	2.70	3.20	2.80	2.10	2.10	1.20	1.10
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	260.0
HAFNIUM	1.0	7.10	6.90	7.30	7.10	6.60	8.10	5.80	2.10	2.30	9.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	9.840	9.710	10.700	9.140	10.200	9.160	7.490	7.610	6.120	5.690
[illegible]THANUM	.5	37.00	42.00	37.00	49.00	36.00	45.00	33.00	16.00	14.00	47.00
[illegible]TETIUM	.2	.68	.65	.63	.76	.62	.73	.52	.23	.28	.63
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.700	1.200	.720	2.600	.910	2.600	1.700	-.200	.870	1.600
RUBIDIUM	20.0	240.0	63.0	39.0	180.0	70.0	170.0	110.0	-20.0	52.0	100.0
SAMARIUM	.20	11.00	11.00	11.00	13.00	11.00	12.00	10.00	4.40	4.10	9.10
SCANDIUM	.10	33.20	28.70	35.40	33.40	32.90	29.80	24.30	10.60	20.70	13.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.40	2.60	2.40	3.00	3.50	3.70	1.90	1.10	1.20	2.60
THORIUM	.5	6.90	6.90	5.90	9.30	6.10	8.40	6.60	2.70	2.90	18.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	3.10	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	6.90
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	3.60	3.50	3.50	4.00	3.50	4.00	2.90	1.30	1.60	3.10
ZINC	100.0	500.0	250.0	220.0	200.0	170.0	190.0	280.0	2200.0	320.0	120.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

394

424409

BECQUEREL JOB # 082

ELEMENT	DL	# 28561	# 28562	# 28563	# 28564	# 28565	# 28566	# 28567	# 28568	# 28569	# 28570
ANTIMONY	.2	10.00	18.00	4.20	13.00	1.50	1.50	4.30	46.00	61.20	177.00
ARSENIC	2.0	97.00	70.00	67.00	130.00	2.70	8.90	202.00	1360.00	1180.00	9150.00
BARIUM	100.0	180.0	-100.0	530.0	-100.0	190.0	220.0	350.0	190.0	350.0	-250.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	4.10	3.30	13.00
CERIUM	2.0	31.00	35.00	76.00	86.00	95.00	110.00	97.00	83.00	87.00	29.00
CAESIUM	1.0	10.00	3.30	30.00	18.00	21.00	26.00	16.00	16.00	20.00	11.00
CHROMIUM	5.0	61.0	56.0	150.0	180.0	290.0	200.0	280.0	170.0	220.0	87.0
COBALT	1.0	41.00	16.00	34.00	27.00	42.00	43.00	47.00	34.00	33.00	15.00
EUROPIUM	.5	1.60	4.60	2.10	2.60	2.60	2.80	3.00	1.80	2.30	1.40
GOLD, ppb	5.0	-5.0	7.0	-5.0	-5.0	-5.0	-5.0	-5.0	39.0	44.0	410.0
HAFNIUM	1.0	2.40	2.50	7.00	6.30	6.80	7.60	7.10	5.80	6.10	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	7.740	7.640	7.890	9.930	10.600	9.240	10.400	15.100	14.900	23.600
LANTHANUM	.5	16.00	17.00	31.00	39.00	42.00	47.00	43.00	37.00	38.00	17.00
LUTETIUM	.2	.29	.25	.71	.68	.70	.82	.72	.72	.71	.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-10.0
POTASSIUM, %	.2	.350	.570	3.300	2.000	1.100	1.500	1.800	2.800	3.100	.830
RUBIDIUM	20.0	37.0	53.0	260.0	180.0	110.0	160.0	210.0	300.0	310.0	190.0
SAMARIUM	.20	4.50	4.40	10.00	11.00	12.00	13.00	12.00	10.00	11.00	4.60
SCANDIUM	.10	16.20	10.20	38.50	29.40	32.90	32.00	34.00	26.20	27.40	11.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-10.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-10.00
TANTALUM	1.0	1.30	-1.00	2.90	2.40	3.10	3.80	3.10	1.90	2.40	-1.00
THORIUM	.5	2.70	3.50	8.00	7.10	7.50	9.10	7.30	6.90	7.00	1.60
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-1500.0
TUNGSTEN	2.0	-2.00	4.40	-2.00	5.20	-2.00	-2.00	3.50	5.10	5.90	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-5.30
YTTERBIUM	.5	1.60	1.50	3.70	3.80	3.80	4.50	4.10	3.10	3.30	-.50
ZINC	100.0	270.0	4400.0	230.0	5800.0	230.0	260.0	1300.0	4400.0	7100.0	19000.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	500.0	640.0	-500.0

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Telephone: (02) 543 2644
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P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

424410

BECQUEREL JOB # 082

ELEMENT	DL	# 28571	# 28572	# 28573	# 28574	# 28575	# 28576	# 28577	# 28578	# 28579	# 28580
ANTIMONY	.2	205.00	326.00	344.00	43.20	14.00	20.00	36.50	23.00	78.60	1.00
ARSENIC	2.0	10100.00	16100.00	26200.00	1250.00	130.00	120.00	190.00	110.00	545.00	4.00
BARIUM	100.0	-260.0	-340.0	-380.0	240.0	250.0	180.0	370.0	150.0	-100.0	750.0
BROMINE	2.0	16.00	24.00	45.00	2.30	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	-5.80	7.70	13.00	83.00	100.00	110.00	110.00	85.00	45.00	98.00
CAESIUM	1.0	2.00	3.40	6.60	36.00	18.00	17.00	22.00	15.00	16.00	10.00
CHROMIUM	5.0	35.0	28.0	-15.0	280.0	340.0	350.0	220.0	150.0	90.0	370.0
COBALT	1.0	6.80	11.00	5.20	37.00	51.00	42.00	33.00	51.00	29.00	35.00
EUROPIUM	.5	-.50	-.50	1.10	2.40	2.50	2.80	2.60	2.30	2.00	1.30
GOLD, ppb	5.0	93.0	48.0	674.0	65.0	-5.0	-5.0	-5.0	-5.0	-5.0	270.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	6.50	8.50	9.10	8.50	6.90	3.60	9.10
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	36.300	29.100	20.800	12.300	12.900	12.600	12.100	11.800	25.400	5.890
LANTHANUM	.5	3.40	1.60	3.40	36.00	44.00	46.00	50.20	37.00	25.00	48.00
LUTETIUM	.2	-.20	.21	.37	.65	.77	.77	.81	.76	.45	.60
MOLYBDENUM	5.0	-10.0	-20.0	-20.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.490	-1.900	-2.500	2.900	1.800	1.600	2.800	2.100	2.100	1.500
RUBIDIUM	20.0	76.0	87.0	82.0	360.0	230.0	170.0	240.0	280.0	220.0	110.0
SAMARIUM	.20	1.00	.49	.77	11.00	13.00	13.00	13.00	11.00	6.40	9.30
SCANDIUM	.10	2.60	1.40	2.50	28.40	34.80	33.40	28.60	37.40	23.00	13.80
SELENIUM	5.0	-10.0	-10.0	-20.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-10.00	-20.00	-20.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	2.30	3.30	3.60	2.20	2.40	1.30	2.60
THORIUM	.5	-1.10	-1.30	-1.50	7.10	8.20	10.00	10.00	6.80	3.30	18.00
TIN	500.0	-1500.0	-1500.0	-1500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-8.90	-9.10	7.50	8.30	-2.00	-2.00	-2.00	4.50	8.50
URANIUM	2.0	-5.50	-8.10	-9.60	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	3.50	4.30	4.20	4.10	4.20	2.30	3.10
ZINC	100.0	7200.0	114000.0	71900.0	9800.0	3500.0	3100.0	5600.0	4100.0	10000.0	130.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	650.0	-500.0	-500.0	-500.0	510.0

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424411

BECQUEREL JOB # 082

ELEMENT	DL	# 28581	# 28582	# 28583	# 28584	# 28585	# 28586	# 28587	# 28588	# 28589	# 28590
ANTIMONY	.2	31.90	13.00	5.80	2.20	7.60	18.00	2.50	.94	1.40	.59
ARSENIC	2.0	236.00	110.00	28.00	12.00	32.00	46.00	8.30	7.40	5.20	8.20
BARIUM	100.0	100.0	540.0	400.0	420.0	260.0	240.0	280.0	130.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	59.00	66.00	78.00	68.00	99.00	80.00	64.00	72.00	73.00	68.00
CAESIUM	1.0	23.00	15.00	16.00	14.00	19.00	18.00	18.00	12.00	12.00	8.90
CHROMIUM	5.0	180.0	200.0	150.0	200.0	200.0	140.0	130.0	350.0	230.0	250.0
COBALT	1.0	26.00	57.00	35.00	33.00	48.00	48.00	23.00	51.00	45.00	45.00
EUROPIUM	.5	2.30	2.10	2.60	2.10	2.70	2.10	2.20	2.10	2.20	2.10
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	7.9	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	5.80	6.50	6.50	6.80	8.10	5.20	5.40	7.00	6.70	6.50
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	10.400	12.100	9.780	8.990	9.620	6.650	7.770	9.880	10.000	9.940
LANTHANUM	.5	27.00	29.00	36.00	31.00	46.00	34.00	29.00	32.00	32.00	31.00
[illegible]ETIUM	.2	.63	.69	.79	.71	.72	.57	.50	.56	.59	.52
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.700	2.300	2.200	2.200	2.000	1.900	1.200	-.200	-.200	.200
RUBIDIUM	20.0	280.0	220.0	240.0	150.0	130.0	110.0	86.0	-20.0	27.0	25.0
SAMARIUM	.20	8.10	9.20	11.00	9.30	13.00	9.10	8.90	10.00	10.00	9.30
SCANDIUM	.10	35.40	41.60	36.60	37.30	33.40	24.40	26.70	32.40	32.00	29.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.80	2.20	2.40	2.20	2.40	1.60	2.10	3.80	3.60	3.10
THORIUM	.5	4.90	5.50	7.50	6.40	9.00	7.60	4.70	5.30	6.10	5.40
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	14.00	3.10	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	3.50	3.90	4.30	4.00	4.00	3.10	2.80	3.20	3.40	2.90
ZINC	100.0	13800.0	1700.0	360.0	180.0	150.0	420.0	150.0	260.0	220.0	240.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD, LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

424412

BECQUEREL JOB # 082

ELEMENT	DL	# 28591	# 28592	# 28593	# 28594	# 28595	# 28596	# 28597	# 28598	# 28599	# 28600
ANTIMONY	.2	8.00	6.00	1.90	20.10	7.00	5.50	3.50	1.30	1.40	.33
ARSENIC	2.0	40.00	26.00	45.00	53.00	29.00	180.00	47.00	9.20	11.00	3.00
BARIUM	100.0	360.0	460.0	400.0	660.0	610.0	180.0	-100.0	140.0	250.0	490.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	84.00	110.00	110.00	97.00	110.00	46.00	31.00	79.00	93.00	74.00
CAESIUM	1.0	20.00	30.00	16.00	27.00	27.00	13.00	7.60	8.40	13.00	19.00
CHROMIUM	5.0	170.0	84.0	58.0	110.0	74.0	80.0	29.0	69.0	51.0	470.0
COBALT	1.0	36.00	13.00	5.70	15.00	14.00	7.40	5.60	3.70	6.10	23.00
EUROPIUM	.5	2.10	1.30	1.40	1.30	1.50	2.00	1.00	.65	1.10	.79
GOLD, ppb	5.0	-5.0	-5.0	-5.0	9.0	-5.0	34.0	-5.0	-5.0	-5.0	65.0
HAFNIUM	1.0	6.00	7.80	10.00	6.20	8.00	2.90	2.20	6.10	8.60	8.80
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.020	3.900	3.700	4.300	4.400	7.390	5.740	3.200	3.200	4.300
LANTHANUM	.5	38.00	55.60	51.50	47.00	51.80	23.00	16.00	41.00	46.00	37.00
LUTETIUM	.2	.62	.83	.77	.82	.91	.46	.26	.36	.59	.46
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.100	3.200	2.200	3.700	3.800	1.600	1.100	.910	1.700	1.800
RUBIDIUM	20.0	140.0	210.0	150.0	260.0	250.0	130.0	83.0	71.0	110.0	200.0
SAMARIUM	.20	10.00	10.00	10.00	10.00	11.00	6.50	3.90	6.50	8.00	7.80
SCANDIUM	.10	23.80	14.30	10.40	16.10	15.70	8.80	4.80	3.40	7.90	12.00
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.70	2.00	1.90	1.30	1.70	-1.00	-1.00	2.00	1.70	3.40
THORIUM	.5	8.90	18.00	15.00	17.00	18.00	8.10	5.30	8.70	12.00	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	2.80	2.40	3.50	-2.00	-2.00	-2.00	-2.00	2.70	5.50
URANIUM	2.0	-2.00	2.60	2.30	3.20	3.60	-2.00	-2.00	-2.00	3.30	3.10
YTTERBIUM	.5	3.40	4.10	4.00	4.00	4.60	2.30	1.30	1.90	3.00	2.30
ZINC	100.0	470.0	-100.0	-100.0	440.0	220.0	1200.0	850.0	220.0	-100.0	120.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

424413

BECQUEREL JOB # 082

ELEMENT	DL	# 28601	# 28602	# 28603	# 28604	# 28605	# 28606	# 28607	# 28608	# 28609	# 28610
ANTIMONY	.2	1.30	1.30	1.70	1.70	2.30	1.40	4.30	1.30	2.20	5.30
ARSENIC	2.0	12.00	10.00	7.30	6.00	16.00	17.00	17.00	8.20	14.00	15.00
BARIUM	100.0	170.0	130.0	250.0	520.0	540.0	470.0	1500.0	260.0	660.0	560.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	97.00	87.00	76.00	160.00	150.00	150.00	59.00	65.00	160.00	140.00
CAESIUM	1.0	10.00	5.90	8.90	42.00	53.00	35.00	15.00	23.00	51.00	41.00
CHROMIUM	5.0	67.0	48.0	55.0	60.0	67.0	69.0	32.0	37.0	74.0	78.0
COBALT	1.0	6.80	9.00	17.00	8.70	12.00	8.80	10.00	4.80	11.00	7.50
EUROPIUM	.5	1.00	1.00	1.30	1.30	1.60	1.60	1.30	.84	1.50	1.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	10.00	10.00	8.50	8.20	8.20	9.00	3.10	3.90	8.30	8.70
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.300	4.100	5.440	4.900	3.900	3.000	5.010	4.600	4.700	4.300
LANTHANUM	.5	47.00	46.00	40.00	73.60	68.20	72.30	29.00	33.00	77.40	68.80
LUTETIUM	.2	.61	.45	.56	1.00	.95	.93	.37	.42	.92	.92
MOLYBDENUM	5.0	-5.0	-5.0	22.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.200	.640	1.000	3.500	4.300	3.600	1.900	1.900	4.500	4.300
RUBIDIUM	20.0	79.0	46.0	54.0	230.0	250.0	220.0	140.0	100.0	240.0	250.0
SAMARIUM	.20	8.60	7.70	7.20	13.00	13.00	13.00	7.40	5.70	13.00	12.00
SCANDIUM	.10	5.80	5.10	7.90	17.50	18.80	16.80	7.60	7.10	16.50	15.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.40	2.20	2.10	3.60	3.50	3.00	1.30	1.40	4.00	3.60
THORIUM	.5	12.00	10.00	10.00	21.00	22.00	19.00	8.50	10.00	23.00	22.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	2.00	2.80	-2.00	-2.00	2.50	-2.00	-2.00	-2.00	-2.00	3.30
URANIUM	2.0	2.50	-2.00	-2.00	-2.00	4.00	-2.00	-2.00	2.10	4.30	5.00
YTTERBIUM	.5	3.00	2.20	3.00	4.90	4.90	4.80	2.20	2.20	4.50	4.60
ZINC	100.0	-100.0	-100.0	100.0	150.0	280.0	-100.0	-100.0	140.0	180.0	140.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	500.0	-500.0	-500.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

424414

BECQUEREL JOB # 082

ELEMENT	DL	# 28611	# 28612	# 28613	# 28614	# 28615	# 28616	# 28617	# 28618	# 28619	# 28620
ANTIMONY	.2	8.90	3.40	2.30	3.60	2.70	.23	.31	.56	3.40	.33
ARSENIC	2.0	34.00	14.00	11.00	16.00	14.00	-2.00	4.20	3.30	23.00	3.30
BARIUM	100.0	480.0	340.0	430.0	550.0	500.0	-100.0	130.0	430.0	510.0	450.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	110.00	82.00	110.00	120.00	130.00	5.10	32.00	200.00	160.00	74.00
CAESIUM	1.0	57.00	38.00	43.00	49.00	54.00	1.20	7.60	46.00	44.00	18.00
CHROMIUM	5.0	69.0	70.0	76.0	81.0	67.0	14.0	26.0	47.0	110.0	480.0
COBALT	1.0	34.00	17.00	18.00	14.00	15.00	1.60	2.30	4.00	12.00	24.00
EUROPIUM	.5	1.40	1.20	2.20	1.70	1.50	-.50	-.50	.66	1.30	.92
GOLD, ppb	5.0	5.4	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	6.1	74.0
HAFNIUM	1.0	7.80	6.00	7.00	8.50	9.40	-1.00	2.80	14.00	9.10	8.90
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	6.270	4.700	6.290	5.050	4.800	2.600	2.300	3.900	4.200	4.300
LANTHANUM	.5	52.50	40.00	52.20	57.00	63.70	2.50	17.00	102.00	80.10	37.00
[redacted]ETIUM	.2	.75	.57	.75	.78	.87	-.20	.23	1.00	.89	.47
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-11.0	-5.0
POTASSIUM, %	.2	3.500	2.300	3.200	3.600	3.800	-.200	.850	2.500	3.100	2.000
RUBIDIUM	20.0	190.0	130.0	170.0	200.0	210.0	-20.0	43.0	170.0	180.0	210.0
SAMARIUM	.20	8.70	7.80	11.00	10.00	12.00	.81	2.60	14.00	12.00	7.80
SCANDIUM	.10	14.20	12.10	17.10	17.40	16.40	.85	4.40	10.10	12.00	12.20
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.50	1.90	2.40	2.20	2.70	-1.00	-1.00	11.00	5.60	3.40
THORIUM	.5	16.00	12.00	15.00	17.00	18.00	1.00	4.90	25.00	19.00	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	4.10	-2.00	-2.00	-2.00	-2.00	-2.00	6.30
URANIUM	2.0	3.10	-2.00	-2.00	2.30	-2.00	-2.00	-2.00	4.80	5.80	3.40
YTTERBIUM	.5	3.60	3.00	4.00	4.10	4.60	-.50	1.20	5.40	4.50	2.30
ZINC	100.0	820.0	160.0	290.0	140.0	180.0	-100.0	-100.0	130.0	180.0	130.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	530.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

424415

BECQUEREL JOB # 082

ELEMENT	DL	# 28621	# 28622	# 28623	# 28624	# 28625	# 28626	# 28627	# 28628	# 28629	# 28630 Soil
ANTIMONY	.2	.22	.49	4.30	3.00	2.80	2.60	3.30	7.70	1.10	1.00
ARSENIC	2.0	-2.00	-2.00	39.00	17.00	10.00	7.40	8.10	40.00	27.00	2.70
BARIUM	100.0	-100.0	-100.0	570.0	250.0	500.0	510.0	450.0	440.0	300.0	540.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	9.00	16.00	74.00	80.00	94.00	90.00	96.00	110.00	74.00	110.00
CAESIUM	1.0	1.40	5.70	57.00	39.00	54.00	52.00	56.00	34.00	24.00	23.00
CHROMIUM	5.0	14.0	14.0	180.0	56.0	65.0	70.0	70.0	91.0	170.0	83.0
COBALT	1.0	4.20	5.60	50.00	19.00	15.00	16.00	15.00	22.00	53.00	5.40
EUROPIUM	.5	-.50	-.50	1.40	1.20	1.70	1.40	1.20	1.40	2.60	1.60
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	4.90	6.40	7.60	7.40	7.00	6.40	5.30	6.90
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	1.800	1.500	7.650	5.780	4.400	4.300	4.700	4.700	9.420	1.800
LANTHANUM	.5	7.00	7.90	34.00	37.00	43.00	41.00	45.00	54.50	30.00	52.90
LUTETIUM	.2	-.20	-.20	.62	.62	.75	.77	.77	.83	.68	.84
MOLYBDENUM	5.0	-5.0	-5.0	14.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	3.000	2.200	3.500	3.200	3.600	3.100	1.500	3.800
RUBIDIUM	20.0	-20.0	-20.0	140.0	120.0	170.0	160.0	180.0	170.0	90.0	210.0
SAMARIUM	.20	1.60	1.90	8.30	7.80	8.90	8.50	9.00	10.00	10.00	11.00
SCANDIUM	.10	1.00	3.10	30.80	15.30	16.90	16.40	18.00	17.40	35.50	14.80
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	1.90	1.50	1.60	-1.00	1.80	3.80	2.70	1.30
THORIUM	.5	.85	2.30	11.00	12.00	14.00	13.00	15.00	16.00	6.50	17.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	3.10	-2.00	-2.00	2.40	2.70	3.20	2.30	4.10	-2.00	3.50
YTTERBIUM	.5	.83	.71	3.30	3.20	3.70	3.70	3.80	4.00	3.50	4.10
ZINC	100.0	-100.0	-100.0	120.0	-100.0	320.0	200.0	110.0	640.0	190.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	550.0	-500.0	-500.0	-500.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

424416

BECQUEREL JOB # 082

ELEMENT	DL	# 28[illegible] 537	# 28[illegible] 549	# 28[illegible] 563	# 28[illegible] 605	# 28[illegible] 628
ANTIMONY	.2	10.00	3.80	4.20	2.10	7.40
ARSENIC	2.0	22.00	41.00	65.00	16.00	39.00
BARIUM	100.0	2200.0	400.0	540.0	500.0	430.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	86.00	54.00	73.00	150.00	110.00
CAESIUM	1.0	15.00	8.00	29.00	50.00	33.00
CHROMIUM	5.0	120.0	180.0	150.0	66.0	96.0
COBALT	1.0	36.00	41.00	33.00	12.00	22.00
EUROPIUM	.5	2.20	2.10	2.10	1.30	1.40
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	5.90	5.40	6.20	8.00	6.60
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	6.590	9.800	7.660	3.800	4.700
LANTHANUM	.5	37.00	24.00	30.00	66.50	53.50
LUTETIUM	.2	.67	.49	.70	.93	.80
[illegible]YBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
[illegible]ASSIUM, %	.2	1.800	1.900	3.300	4.000	3.000
RUBIDIUM	20.0	100.0	130.0	240.0	240.0	180.0
SAMARIUM	.20	10.00	8.30	10.00	13.00	10.00
SCANDIUM	.10	24.40	28.70	37.40	18.10	17.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.50	1.50	2.50	3.50	2.90
THORIUM	.5	7.40	4.50	7.40	21.00	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	4.90	4.90
YTTERBIUM	.5	3.30	2.90	3.70	4.70	3.80
ZINC	100.0	170.0	550.0	230.0	280.0	590.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

5521/325.

424417

ANALABS

A division of MacDonald Hamilton & Co. Pty. Ltd.
Phone (09) 458 7999 — 52 Murray Road, Welshpool, W.A. 6106 — Telex AA92560
FAX: 004 31 8890

ANALYTICAL REPORT No. 95.1.08.07299

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

ORDER No.	PROJECT
0182	T 5521

DATE RECEIVED	RESULTS REQUIRED
13/08/90	ASAP

No. OF PAGES OF RESULTS	DATE REPORTED	No. OF COPIES	TOTAL No. OF SAMPLES
4	30/08/90	1	92

STATE OF AMPLES		PRE-TREATMENT							ANALYSIS		
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL-VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHOD
	Various	DC	Prep: 002,016						Au,Ag,As,Ba,Br,Ce,Co,Cr,Cs,Eu,Fe,Hf,Ir,La,Lu,Mo		
	Various	DC							Cu,Pb,Zn/101		
	Various	DC							Sn/401		
	Various	DC							Pb,Zn/105		

RESULTS TO

Mark Fleming
R.G.C. Exploration Pty Limited
P.O. Box 320
Rosny Park
Tasmania 7018

RESULTS TO

REMARKS

EL 42/87 - ZEEHAN

Comstock Grid

Diamond Drill Samples.

CS002
& CS003.

STATE OF SAMPLES		ANALYSIS — PREPARATION				ANALYSIS — METHOD	
whole core	WC	perchloric acid	A1	cold acid	CA	atomic absorbtion	AAS
split core	SC	hydrochloric acid	A2	specific sulphide	SS	x-ray fluorescence	XRF
cutting	CU	nitric acid	A3	other mixed acids	Ma	spectrophotometry	SPEC
[illegible]	Ro	aqua regia	A4	alkaline attack	AA	colorimetry	COL
[illegible]	SO	nitric-perchloric	A5	volatilization	VO	chromatography	CHR
pulp	PU	HF mixture	A6	ignition	IG	titration	TTN
water	WA	HF under pressure	A7	pressed powder (XRF)	PP	other chemicals means	CHEM
tissue	TI	fusion	A8	glass fusion (XRF)	GF	miscellaneous	MISC
stream sediment	SS					fluorescence	FLUOR
heavy mineral	HM					inductively coupled plasma	ICP

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07299	30/08/90	0182	1 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28630	135	190	–	1000	–	4			
2	T28631	125	75	–	610	–	9			
3	T28632	105	100	–	870	–	3			
4	T28633	120	135	–	365	–	6			
5	T28634	45	50	–	640	–	10			
6	T28636	100	90	–	1350	–	12			
7	T28637	120	5	–	305	–	5			
8	T28638	90	60	–	265	–	4			
9	T28639	55	20	–	225	–	9			
10	T28640	–	–	–	–	–	–			
	T28641	30	50	–	230	–	4			
12	T28642	40	35	–	105	–	6			
13	T28643	25	60	–	105	–	7			
14	T28644	35	105	–	115	–	11			
15	T28645	55	100	–	95	–	6			
16	T28646	70	360	–	160	–	9			
17	T28647	40	200	–	100	–	17			
18	T28674	10	40	–	65	–	<3			
19	T28675	10	20	–	50	–	3			
20	T28676	445	>5000	5950	345	–	13			
21	T28677	275	1030	–	285	–	<3			
22	T28678	55	60	–	60	–	3			
23	T28679	210	535	–	2600	–	6			
	T28680	–	–	–	–	–	–			
25	T28681	10	50	–	55	–	<3			

Results in ppm unless otherwise specified
– = element present but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

424419

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07299	30/08/90	0182	2 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T28682	225	750	–	1000	–	17			
2	T28683	320	260	–	375	–	6			
3	T28684	10	10	–	65	–	4			
4	T28685	15	15	–	50	–	<3			
5	T28686	25	2350	–	850	–	10			
6	T28687	180	>5000	7000	>5000	1.24	50			
7	T28688	15	385	–	160	–	<3			
8	T28689	15	275	–	165	–	4			
9	T28690	15	90	–	125	–	5			
10	T28691	270	>5000	9200	>5000	4.59	118			
11	T28692	125	>5000	4100	>5000	1.60	49			
12	T28693	15	185	–	345	–	<3			
13	T28694	10	55	–	105	–	<3			
14	T28695	10	15	–	65	–	<3			
15	T28696	55	65	–	185	–	12			
16	T28697	60	75	–	115	–	6			
17	T28698	20	20	–	55	–	5			
18	T28699	60	30	–	135	–	10			
19	T28700	–	–	–	–	–	–			
20	T29201	80	60	–	165	–	5			
21	T29202	25	25	–	60	–	6			
22	T29203	15	35	–	150	–	9			
23	T29204	10	20	–	30	–	<3			
24	T29205	5	15	–	20	–	4			
25	T29206	65	230	–	200	–	18			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07299	30/08/90	0182	3 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T29207	20	115	–	170	–	6			
2	T29208	20	1100	–	80	–	8			
3	T29209	80	2850	–	55	–	22			
4	T29210	30	2650	–	50	–	15			
5	T29211	245	>5000	5150	50	–	84			
6	T29212	15	270	–	40	–	3			
7	T29213	10	195	–	30	–	<3			
8	T29214	10	60	–	40	–	<3			
9	T29215	10	175	–	30	–	<3			
10	T29216	25	3350	–	120	–	23			
	T29217	610	>5000	42800	>5000	4.34	129			
12	T29218	1500	>5000	94800	>5000	10.03	263			
13	T29219	15	600	–	525	–	5			
14	T29220	–	–	–	–	–	–			
15	T29221	10	155	–	125	–	4			
16	T29222	10	95	–	105	–	3			
17	T29223	10	90	–	45	–	<3			
18	T29224	20	620	–	100	–	3			
19	T29225	10	125	–	55	–	<3			
20	T29226	10	55	–	35	–	<3			
21	T29227	5	50	–	35	–	<3			
22	T29228	10	65	–	35	–	<3			
23	T29229	10	60	–	60	–	<3			
	T29230	10	85	–	30	–	4			
25	T29231	10	65	–	40	–	8			

Results in ppm unless otherwise specified
– = element present, but concentration too low to measure
< = element concentration is below detection limit
. . = element not determined

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

ANALYTICAL DATA

SAMPLE PREFIX	REPORT NUMBER	REPORT DATE	CLIENT ORDER No.	PAGE
	95.1.08.07299	30/08/90	0182	4 OF 4

TUBE No.	SAMPLE No.	Cu	Pb	Pb	Zn	Zn	Sn			
1	T29232	10	20	–	260	–	<3			
2	T29233	10	<5	–	40	–	3			
3	T29234	5	<5	–	35	–	<3			
4	T29235	5	<5	–	30	–	9			
5	T29236	10	10	–	50	–	<3			
6	T29237	25	150	–	175	–	3			
7	T29238	25	415	–	425	–	<3			
8	T29239	25	80	–	75	–	7			
9	T29240	–	–	–	–	–	–			
10	T29241	25	5	–	60	–	4			
	T29242	15	<5	–	75	–	<3			
12	T29243	150	65	–	90	–	<3			
13	T29244	905	>5000	27200	>5000	3.18	33			
14	T29245	75	50	–	130	–	6			
15	T29246	100	1450	–	>5000	0.62	8			
16	T29247	35	1500	–	260	–	5			
17	T29248	40	595	–	890	–	9			
18										
19										
20										
21										
22										
23	DETECTION	5	5	25	5	0.01	3			
	UNITS	ppm	ppm	ppm	ppm	%	ppm			
25	METHOD	101	101	105	101	105	401			

Results in ppm unless otherwise specified
T = element present; but concentration too low to measure
< = element concentration is below detection limit
– = element not determined

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NEUTRON ACTIVATION ANALYSIS

TRON ACTIVATION ANALYSIS REPORT

Date: 05-09-90

RGC TASMANIA SAMPLE Nos:T28630-T28647, T28674-T28700, T29201-T29248
BECQUEREL JOB # 100

NOTE: - A NEGATIVE SIGN INDICATES "LESS THAN".
- RESULTS ARE IN PARTS PER MILLION (ppm) UNLESS OTHERWISE INDICATED.
- ELEVATED DETECTION LIMITS FOR SAMPLE 29211 DUE TO HIGH Sb AND LOW SAMPLE WEIGHT USED FOR ANALYSIS.
- ELEVATED DETECTION LIMITS FOR Mo DUE TO URANIUM FISSION.
- NO SAMPLE No 28635

ELEMENT	DL	# 28630	# 28631	# 28632	# 28633	# 28634	# 28636	# 28637	# 28638	# 28639
ANTIMONY	.2	4.60	3.40	6.60	4.90	3.50	4.50	2.00	4.20	4.00
ARSENIC	2.0	28.00	20.00	30.00	25.00	18.00	21.00	4.00	16.00	8.90
BARIUM	100.0	410.0	280.0	430.0	650.0	230.0	460.0	180.0	560.0	220.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	92.00	73.00	98.00	100.00	80.00	83.00	77.00	90.00	55.00
CAESIUM	1.0	17.00	13.00	12.00	17.00	10.00	15.00	14.00	14.00	17.00
CHROMIUM	5.0	140.0	380.0	200.0	120.0	330.0	310.0	120.0	240.0	360.0
COBALT	1.0	48.00	55.00	46.00	65.00	53.00	49.00	48.00	52.00	75.00
EUROPIUM	.5	2.60	2.40	2.10	2.40	2.30	2.20	2.10	2.50	2.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
[illegible]NIUM	1.0	6.70	6.30	6.00	5.40	6.30	6.40	7.40	7.20	6.20
[illegible]DIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	7.740	8.850	7.550	6.220	9.130	9.060	10.200	10.300	12.400
LANTHANUM	.5	38.00	32.00	39.00	44.00	36.00	36.00	32.00	40.00	25.00
LUTETIUM	.2	.74	.67	.74	.69	.70	.72	.87	.84	.56
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.000	1.100	1.700	2.100	.820	1.300	.660	1.000	-.200
RUBIDIUM	20.0	120.0	70.0	98.0	120.0	56.0	90.0	74.0	81.0	-20.0
SAMARIUM	.20	11.00	10.00	10.00	10.00	9.40	10.00	10.00	11.00	9.20
SCANDIUM	.10	32.10	33.70	29.70	26.90	31.40	31.00	41.40	32.70	46.30
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	2.70	2.90	2.70	1.30	2.80	3.30	2.10	3.40	2.40
THORIUM	.5	8.60	6.90	10.00	10.00	7.00	7.00	6.60	7.70	3.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	2.60	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	4.30	3.70	3.90	3.80	3.90	4.10	4.60	4.70	3.50
ZINC	100.0	1000.0	690.0	930.0	490.0	1400.0	1300.0	380.0	350.0	770.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	530.0	580.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 28640	# 28641	# 28642	# 28643	# 28644	# 28645	# 28646	# 28647	# 28674	# 28675
ANTIMONY	.2	-.20	18.00	4.00	7.40	7.00	12.00	7.10	10.00	3.30	.53
ARSENIC	2.0	3.90	64.00	13.00	21.00	21.00	37.00	14.00	75.00	974.00	35.00
BARIUM	100.0	600.0	2200.0	200.0	530.0	430.0	640.0	450.0	1100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	7.30	3.80
CERIUM	2.0	92.00	70.00	63.00	80.00	92.00	93.00	68.00	100.00	-2.00	-2.00
CAESIUM	1.0	12.00	15.00	7.60	24.00	23.00	18.00	13.00	19.00	-1.00	-1.00
CHROMIUM	5.0	330.0	400.0	54.0	53.0	79.0	52.0	64.0	68.0	-5.0	-5.0
COBALT	1.0	33.00	37.00	8.80	15.00	13.00	22.00	4.70	6.40	-1.00	-1.00
EUROPIUM	.5	1.20	2.00	1.20	1.40	1.30	1.30	.86	1.40	-.50	-.50
GOLD, ppb	5.0	260.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	8.1	-5.0
HAFNIUM	1.0	8.90	7.20	10.00	6.70	7.40	8.30	8.30	10.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	5.460	5.340	3.400	2.100	1.900	2.000	2.100	2.500	1.400	1.400
LANTHANUM	.5	45.00	31.00	29.00	37.00	42.00	43.00	32.00	48.00	-.50	-.50
LUTETIUM	.2	.53	.76	.52	.64	.68	.68	.56	.85	-.20	-.20
MOLYBDENUM	5.0	-10.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.100	1.600	.930	2.900	3.000	2.900	1.800	3.100	-.200	-.200
RUBIDIUM	20.0	100.0	100.0	45.0	150.0	170.0	150.0	110.0	190.0	-20.0	-20.0
SAMARIUM	.20	8.50	7.80	6.00	7.60	8.30	8.60	5.90	9.20	-.20	-.20
SCANDIUM	.10	12.80	23.10	6.40	11.30	11.70	11.30	7.30	11.30	-.10	-.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.70	1.50	-1.00	-1.00	1.50	1.40	1.30	1.40	-1.00	-1.00
THORIUM	.5	17.00	7.80	8.40	13.00	13.00	14.00	10.00	15.00	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	5.60	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	5.40	-2.00	-2.00
URANIUM	2.0	5.40	-2.00	-2.00	2.70	2.40	-2.00	-2.00	2.20	-2.00	-2.00
YTTERBIUM	.5	3.00	3.90	2.70	3.20	3.50	3.60	2.80	4.20	-.50	-.50
ZINC	100.0	100.0	340.0	140.0	140.0	160.0	130.0	200.0	140.0	-100.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD, LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

424424

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 28676	# 28677	# 28678	# 28679	# 28680	# 28681	# 28682	# 28683	# 28684	# 28685
ANTIMONY	.2	32.70	13.00	6.30	2.40	.22	.37	6.30	29.80	.62	.62
ARSENIC	2.0	588.00	215.00	91.00	256.00	2.90	18.00	901.00	56.00	110.00	120.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	490.0	-100.0	-100.0	670.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	2.20	3.70	-2.00	4.30	2.20	2.80	-2.00	-2.00
CERIUM	2.0	3.80	4.10	-2.00	-2.00	67.00	-2.00	3.70	71.00	-2.00	-2.00
CAESIUM	1.0	1.60	1.60	-1.00	-1.00	17.00	-1.00	1.60	7.80	-1.00	-1.00
CHROMIUM	5.0	5.8	6.3	-5.0	-5.0	450.0	-5.0	-5.0	68.0	-5.0	-5.0
COBALT	1.0	2.00	-1.00	-1.00	-1.00	22.00	-1.00	-1.00	14.00	-1.00	-1.00
EUROPIUM	.5	-.50	1.20	-.50	-.50	.90	-.50	1.40	1.00	-.50	-.50
GOLD, ppb	5.0	10.0	-5.0	-5.0	8.4	60.0	-5.0	9.5	110.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	8.20	-1.00	-1.00	2.80	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	34.200	18.700	8.140	6.510	4.200	1.000	14.900	2.400	4.500	5.730
LANTHANUM	.5	5.30	3.20	1.40	.81	36.00	-.50	3.70	36.00	-.50	-.50
[illegible]ETIUM	.2	-.20	-.20	-.20	-.20	.45	-.20	-.20	.37	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	1.600	-.200	-.200	2.000	-.200	-.200
RUBIDIUM	20.0	66.0	44.0	-20.0	-20.0	180.0	-20.0	36.0	130.0	-20.0	-20.0
SAMARIUM	.20	.94	.63	.34	.28	7.40	-.20	.84	7.10	.24	.26
SCANDIUM	.10	.23	.26	.12	-.10	11.40	-.10	-.10	10.80	-.10	-.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	29.00	6.00	-5.00	5.60	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	4.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	-.50	-.50	-.50	14.00	-.50	-.50	12.00	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	4.60	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	4.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	-.50	2.20	-.50	-.50	1.80	-.50	-.50
ZINC	100.0	410.0	390.0	-100.0	2700.0	130.0	-100.0	1100.0	-100.0	-100.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS, NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

424425

BECQUEREL JOB # 100

ELEMENT	DL	# 28686	# 28687	# 28688	# 28689	# 28690	# 28691	# 28692	# 28693	# 28694	# 28695
ANTIMONY	.2	6.10	14.00	1.70	1.60	1.00	17.00	8.20	1.20	1.00	.56
ARSENIC	2.0	1680.00	1660.00	316.00	170.00	63.00	1200.00	613.00	50.00	52.00	36.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	6.30	4.00	4.30	2.90	-2.00	2.70	-2.00	-2.00	2.20	-2.00
CERIUM	2.0	2.40	16.00	-2.00	-2.00	7.80	7.60	8.10	3.30	2.60	3.30
CAESIUM	1.0	-1.00	1.10	-1.00	-1.00	-1.00	1.50	2.20	1.30	-1.00	-1.00
CHROMIUM	5.0	-5.0	11.0	-5.0	-5.0	-5.0	11.0	-5.0	-5.0	-5.0	-5.0
COBALT	1.0	1.60	-1.00	-1.00	1.30	1.10	2.20	1.40	1.20	2.50	1.40
EUROPIUM	.5	1.20	2.60	-.50	-.50	1.80	1.90	2.20	1.00	-.50	-.50
GOLD, ppb	5.0	7.9	37.0	-5.0	-5.0	-5.0	22.0	18.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
[illegible], %	.05	3.000	15.900	2.000	2.400	2.300	15.400	11.100	2.100	2.300	3.900
LANTHANUM	.5	2.00	11.00	.73	1.10	4.70	5.50	5.40	2.20	1.60	1.50
LUTETIUM	.2	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200
RUBIDIUM	20.0	-20.0	38.0	-20.0	-20.0	-20.0	27.0	-20.0	-20.0	-20.0	-20.0
SAMARIUM	.20	.47	2.20	.32	.33	1.10	1.50	1.60	.44	.48	.57
SCANDIUM	.10	-.10	-.10	-.10	-.10	-.10	.20	.19	.35	.28	.33
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	13.00	5.90	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	2.30	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
ZINC	100.0	850.0	12000.0	150.0	180.0	130.0	43700.0	15800.0	260.0	110.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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P.O. BOX 93
MENAI, NSW, 2234

N E U T R O N A C T I V A T I O N A N A L Y S I S

424426

BECQUEREL JOB # 100

ELEMENT	DL	# 28696	# 28697	# 28698	# 28699	# 28700	# 29201	# 29202	# 29203	# 29204	# 29205
ANTIMONY	.2	14.00	17.00	1.60	19.00	-.20	22.00	6.80	19.00	3.50	1.80
ARSENIC	2.0	77.00	66.00	27.00	26.00	3.90	81.00	19.00	110.00	6.30	4.00
BARIUM	100.0	470.0	410.0	340.0	1200.0	680.0	530.0	1300.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	94.00	90.00	94.00	58.00	85.00	70.00	100.00	58.00	-2.00	-2.00
CAESIUM	1.0	39.00	35.00	21.00	24.00	10.00	12.00	14.00	7.70	-1.00	-1.00
CHROMIUM	5.0	130.0	79.0	76.0	100.0	340.0	75.0	100.0	53.0	-5.0	-5.0
COBALT	1.0	19.00	23.00	6.70	34.00	35.00	22.00	22.00	24.00	-1.00	-1.00
EUROPIUM	.5	1.60	1.50	1.40	2.10	1.20	1.60	1.60	.84	-.50	-.50
GOLD, ppb	5.0	7.9	-5.0	-5.0	-5.0	270.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	5.00	5.80	6.50	4.20	8.60	3.60	5.60	2.90	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	3.700	3.900	3.600	8.200	5.660	5.200	4.900	3.600	1.100	.510
LANTHANUM	.5	46.00	47.00	47.00	28.00	46.00	35.00	55.20	31.00	.54	-.50
LUTETIUM	.2	.78	.77	.77	.57	.61	.58	.71	.42	-.20	-.20
MOLYBDENUM	5.0	-5.0	-33.0	-5.0	-5.0	-5.0	-5.0	-5.0	14.0	-5.0	-5.0
POTASSIUM, %	.2	3.600	3.300	3.500	2.300	1.400	2.000	3.300	-.200	-.200	-.200
[illegible]RIDIUM	20.0	210.0	200.0	170.0	170.0	100.0	100.0	160.0	-20.0	-20.0	-20.0
[illegible]ARIUM	.20	10.00	10.00	10.00	8.10	8.80	7.50	10.00	5.40	.22	-.20
SCANDIUM	.10	15.20	14.00	14.80	15.40	13.20	13.50	19.80	9.20	.10	-.10
SELENIUM	5.0	-5.0	7.8	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.80	1.80	1.30	1.60	2.20	-1.00	1.40	-1.00	-1.00	-1.00
THORIUM	.5	17.00	15.00	15.00	13.00	18.00	11.00	15.00	8.00	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	6.60	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	3.10	18.00	2.80	3.30	4.10	4.70	2.40	4.00	-2.00	-2.00
YTTERBIUM	.5	3.90	3.90	3.80	2.90	3.00	3.00	3.50	2.00	-.50	-.50
ZINC	100.0	250.0	160.0	110.0	180.0	120.0	210.0	110.0	210.0	-100.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 29206	# 29207	# 29208	# 29209	# 29210	# 29211	# 29212	# 29213	# 29214	# 29215
ANTIMONY	.2	28.00	16.00	436.00	1030.00	1110.00	10500.00	69.40	69.50	13.00	33.40
ARSENIC	2.0	83.00	28.00	57.00	190.00	150.00	1140.00	226.00	72.00	65.00	361.00
BARIUM	100.0	620.0	-100.0	-100.0	-100.0	-100.0	-1100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	2.16	4.10	3.80	25.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	67.00	5.60	-2.00	-2.00	-2.00	-19.00	2.10	-2.00	-2.00	2.10
CAESIUM	1.0	12.00	1.70	-1.00	-1.00	-1.00	-4.20	-1.00	-1.00	-1.00	-1.00
CHROMIUM	5.0	68.0	-5.0	-5.0	-5.0	-5.0	-44.0	-5.0	-5.0	-5.0	18.0
COBALT	1.0	25.00	4.10	-1.00	-1.00	-1.00	-3.90	-1.00	-1.00	-1.00	-1.00
EUROPIUM	.5	1.40	-.50	-.50	-.50	-.50	-2.00	-.50	-.50	-.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-90.0	5.1	-5.0	-5.0	13.0
HAFNIUM	1.0	3.40	-1.00	-1.00	-1.00	-1.00	-3.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-130.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	4.200	2.400	2.000	4.400	3.300	24.900	7.700	4.100	2.600	12.100
LANTHANUM	.5	34.00	3.10	.83	.71	.89	6.10	1.60	.54	-.50	1.20
LUTETIUM	.2	.62	-.20	-.20	-.20	-.20	1.60	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	10.0	-5.0	10.0	-63.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	2.100	-.200	.760	1.900	2.300	91.200	-.200	-.200	-.200	-.200
RUBIDIUM	20.0	120.0	-20.0	-20.0	-20.0	-20.0	-75.0	-20.0	-20.0	-20.0	27.0
SAMARIUM	.20	6.70	.72	.29	.32	.26	-.20	.59	.30	.34	.47
SCANDIUM	.10	13.00	.84	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-56.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-27.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-5.30	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	11.00	.88	-.50	-.50	-.50	-4.50	-.50	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-6600.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-20.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	3.30	-2.00	-2.00	-2.00	-2.00	-28.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	2.80	-.50	-.50	-.50	-.50	-1.90	-.50	-.50	-.50	-.50
ZINC	100.0	250.0	210.0	110.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-1200.0	-500.0	-500.0	-500.0	-500.0

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MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 29216	# 29217	# 29218	# 29219	# 29220	# 29221	# 29222	# 29223	# 29224	# 29225
ANTIMONY	.2	60.00	281.00	409.00	8.90	1.40	13.00	7.00	6.30	22.40	9.40
ARSENIC	2.0	502.00	805.00	489.00	38.00	3.40	2.70	140.00	120.00	36.00	23.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	700.0	-100.0	-100.0	-100.0	160.0	-100.0
BROMINE	2.0	-2.00	3.80	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	-2.00	-2.00	-2.00	2.10	93.00	-2.00	-2.00	-2.00	55.00	2.00
CAESIUM	1.0	1.20	2.00	-1.00	-1.00	11.00	-1.00	-1.00	-1.00	15.00	1.80
CHROMIUM	5.0	10.0	17.0	15.0	-5.0	340.0	-5.0	7.4	11.0	43.0	5.5
COBALT	1.0	2.70	-1.00	-1.00	-1.00	33.00	-1.00	12.00	34.00	20.00	1.90
EUROPIUM	.5	-.50	-.50	-.50	-.50	1.00	-.50	-.50	-.50	.82	-.50
GOLD, ppb	5.0	18.0	31.0	19.0	-5.0	260.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	8.60	-1.00	-1.00	-1.00	2.60	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	19.700	32.500	18.100	1.800	5.560	.630	5.530	9.330	5.450	4.200
LANTHANUM	.5	2.10	4.20	1.30	1.00	45.00	-.50	1.60	1.60	31.00	4.40
LUTETIUM	.2	-.20	-.20	-.20	-.20	.58	-.20	-.20	-.20	.28	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	.370	1.000	-.200	1.200	-.200	-.200	-.200	.870	-.200
RUBIDIUM	20.0	-20.0	22.0	-20.0	-20.0	99.0	-20.0	-20.0	-20.0	53.0	-20.0
SAMARIUM	.20	.76	.59	-.20	.38	8.70	-.20	.50	.57	5.60	1.10
SCANDIUM	.10	.93	.23	.14	.13	13.00	-.10	.14	.35	8.60	.84
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	6.3	-5.0	-5.0
SILVER	5.0	-5.00	93.00	220.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	1.70	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	1.00	-.50	-.50	-.50	17.00	-.50	-.50	-.50	7.00	.72
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	2.40	-2.00	12.00	-2.00	6.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	3.20	-2.00	-2.00	-2.00	2.70	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	-.50	3.00	-.50	-.50	-.50	1.50	-.50
ZINC	100.0	140.0	43800.0	95500.0	460.0	110.0	130.0	-100.0	-100.0	120.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

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MENAI, NSW, 2234

424429

NEUTRON ACTIVATION ANALYSIS

QUEREL JOB # 100

ELEMENT	DL	# 29226	# 29227	# 29228	# 29229	# 29230	# 29231	# 29232	# 29233	# 29234	# 29235
ANTIMONY	.2	.69	1.70	2.00	.65	4.40	4.20	5.20	1.10	1.50	2.20
ARSENIC	2.0	5.10	15.00	19.00	-2.00	5.20	13.00	64.00	12.00	22.00	18.00
BARIUM	100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	2.70	2.50	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CAESIUM	1.0	-1.00	-1.00	1.00	-1.00	1.40	2.90	-1.00	-1.00	-1.00	-1.00
CHROMIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
COBALT	1.0	-1.00	-1.00	1.40	-1.00	2.90	-1.00	-1.00	-1.00	-1.00	-1.00
EUROPIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	1.700	1.500	3.100	5.190	4.800	2.500	9.330	5.990	9.350	9.550
LANTHANUM	.5	2.60	2.60	1.50	.57	1.20	1.10	-.50	.78	-.50	.63
LUTETIUM	.2	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200	-.200
RUBIDIUM	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
SAMARIUM	.20	.80	.74	.38	.28	.39	.39	.48	.35	.25	.36
SCANDIUM	.10	.31	.18	.24	-.10	.26	-.10	-.10	-.10	-.10	-.10
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
THORIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
YTTERBIUM	.5	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50	-.50
ZINC	100.0	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	330.0	-100.0	-100.0	-100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

LUCAS HEIGHTS RESEARCH LABORATORIES NEW ILLAWARRA RD. LUCAS HEIGHTS. NSW
Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 29236	# 29237	# 29238	# 29239	# 29240	# 29241	# 29242	# 29243	# 29244	# 29245
ANTIMONY	.2	2.80	8.20	20.00	8.90	2.90	3.00	2.20	15.00	17.00	5.30
ARSENIC	2.0	15.00	28.00	59.00	13.00	314.00	3.30	7.90	24.00	42.00	24.00
BARIUM	100.0	-100.0	-100.0	2000.0	900.0	500.0	2000.0	25100.0	1800.0	400.0	1100.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	-2.00	25.00	81.00	98.00	25.00	27.00	17.00	55.00	14.00	100.00
CAESIUM	1.0	-1.00	3.40	14.00	42.00	1.20	23.00	11.00	9.10	6.00	61.00
CHROMIUM	5.0	-5.0	32.0	83.0	98.0	53.0	31.0	20.0	61.0	34.0	80.0
COBALT	1.0	-1.00	10.00	23.00	24.00	17.00	9.10	6.30	52.00	66.00	16.00
EUROPIUM	.5	-.50	.60	1.60	1.90	1.00	.58	-.50	1.50	1.00	1.70
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	250.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	-1.00	1.80	5.30	5.50	2.80	1.60	1.20	3.80	4.90	7.40
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	12.200	4.300	5.150	6.070	4.700	3.100	2.400	8.740	17.600	3.600
LANTHANUM	.5	.80	15.00	42.00	52.40	15.00	16.00	11.00	33.00	21.00	49.00
LUTETIUM	.2	-.20	.26	.59	.72	.37	.20	-.20	.52	.28	.78
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	-.200	-.200	2.300	4.200	1.700	1.000	.280	2.200	-.200	2.800
RUBIDIUM	20.0	-20.0	-20.0	150.0	220.0	43.0	58.0	22.0	130.0	28.0	180.0
SAMARIUM	.20	.33	3.20	8.70	11.00	4.50	3.20	2.10	7.40	3.80	10.00
SCANDIUM	.10	.20	6.80	18.10	20.50	13.50	6.40	4.00	13.90	6.80	14.60
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	27.00	-5.00
TANTALUM	1.0	-1.00	-1.00	2.00	1.80	-1.00	-1.00	-1.00	1.10	-1.00	-1.00
THORIUM	.5	-.50	4.70	13.00	15.00	2.20	4.70	2.90	10.00	7.00	17.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	18.00	-2.00
URANIUM	2.0	-2.00	2.10	-2.00	-2.00	-2.00	-2.00	-2.00	3.00	-2.00	4.70
YTTERBIUM	.5	-.50	1.30	3.20	3.70	1.80	1.20	.77	2.70	1.80	4.10
ZINC	100.0	-100.0	260.0	510.0	110.0	880.0	-100.0	110.0	150.0	31700.0	140.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES

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P.O. BOX 93
MENAI, NSW, 2234

NEUTRON ACTIVATION ANALYSIS

BECQUEREL JOB # 100

ELEMENT	DL	# 29246	# 29247	# 29248	# 28647x2	# 28695x2	# 28699x2	# 29225x2	# 29248x2
ANTIMONY	.2	4.60	5.00	8.60	11.00	.60	19.00	9.50	8.30
ARSENIC	2.0	8.20	33.00	23.00	82.00	38.00	27.00	23.00	23.00
BARIUM	100.0	240.0	470.0	530.0	1100.0	-100.0	1200.0	-100.0	510.0
BROMINE	2.0	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00
CERIUM	2.0	80.00	90.00	80.00	100.00	-2.00	47.00	-2.00	77.00
CAESIUM	1.0	43.00	82.00	50.00	20.00	-1.00	25.00	1.60	48.00
CHROMIUM	5.0	120.0	79.0	69.0	63.0	-5.0	91.0	-5.0	81.0
COBALT	1.0	21.00	20.00	19.00	6.80	1.70	34.00	1.90	19.00
EUROPIUM	.5	1.10	1.40	1.30	1.50	-.50	2.10	-.50	1.10
GOLD, ppb	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
HAFNIUM	1.0	5.70	6.00	6.10	11.00	-1.00	4.10	-1.00	5.90
IRIDIUM, ppb	20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0
IRON, %	.05	8.490	4.800	6.740	2.700	4.000	8.140	4.300	6.970
LANTHANUM	.5	43.00	46.00	43.00	49.00	1.70	27.00	4.50	41.00
LUTETIUM	.2	.64	.75	.72	.86	-.20	.58	-.20	.67
MOLYBDENUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
POTASSIUM, %	.2	1.700	2.900	2.200	3.200	-.200	2.500	-.200	2.000
RUBIDIUM	20.0	120.0	170.0	130.0	210.0	-20.0	160.0	-20.0	140.0
SAMARIUM	.20	8.70	9.30	8.80	10.00	.60	8.00	1.10	8.40
SCANDIUM	.10	13.20	14.30	13.70	11.90	.32	15.30	.82	13.40
SELENIUM	5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0	-5.0
SILVER	5.0	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00	-5.00
TANTALUM	1.0	1.40	-1.00	1.00	1.20	-1.00	1.30	-1.00	-1.00
THORIUM	.5	14.00	16.00	15.00	16.00	-.50	12.00	.78	15.00
TIN	500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0	-500.0
TUNGSTEN	2.0	-2.00	2.60	3.30	5.00	-2.00	-2.00	-2.00	-2.00
URANIUM	2.0	3.40	3.40	3.10	3.00	-2.00	3.40	-2.00	3.30
YTTERBIUM	.5	3.60	3.70	3.70	4.40	-.50	2.80	-.50	3.60
ZINC	100.0	6600.0	340.0	1000.0	140.0	-100.0	160.0	-100.0	1100.0
ZIRCONIUM	500.0	-500.0	-500.0	-500.0	730.0	-500.0	-500.0	-500.0	-500.0

BECQUEREL LABORATORIES
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Telephone: (02) 543 2644
Facsimile: (02) 543 2655
P.O. BOX 93
MENAI, NSW, 2234

APPENDIX 5

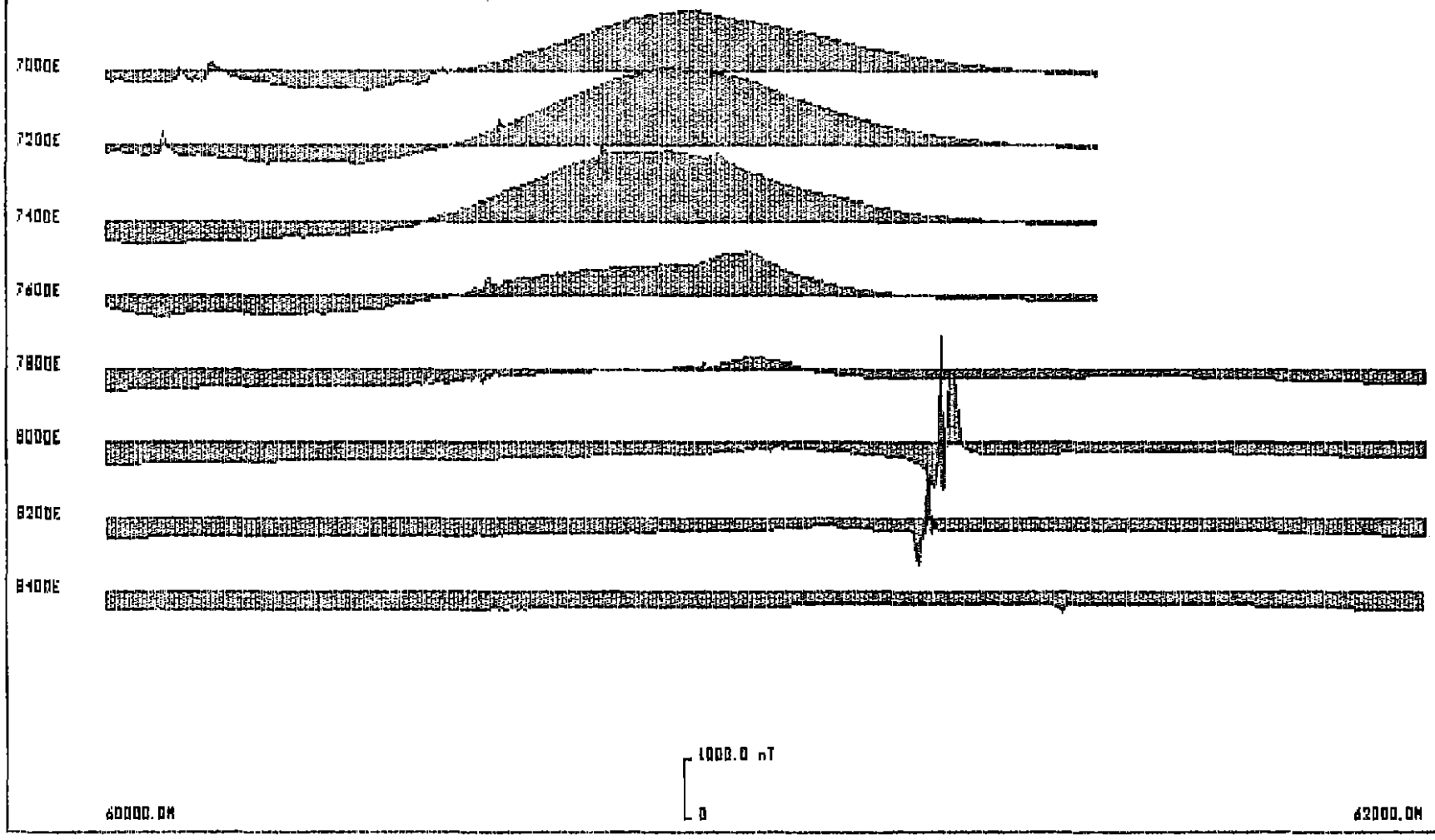
Comstock (Sylvester) Ground Magnetics Profiles

424433

Client : AGC
Prospect : COMSTOCK

Surveyed by : B STEDMAN
Survey Date : 27/03/90

STACKED



424434

Client : RGC
Prospect : COMSTOCK

Surveyed by : B STEDMAN
Survey Date : 27/03/90

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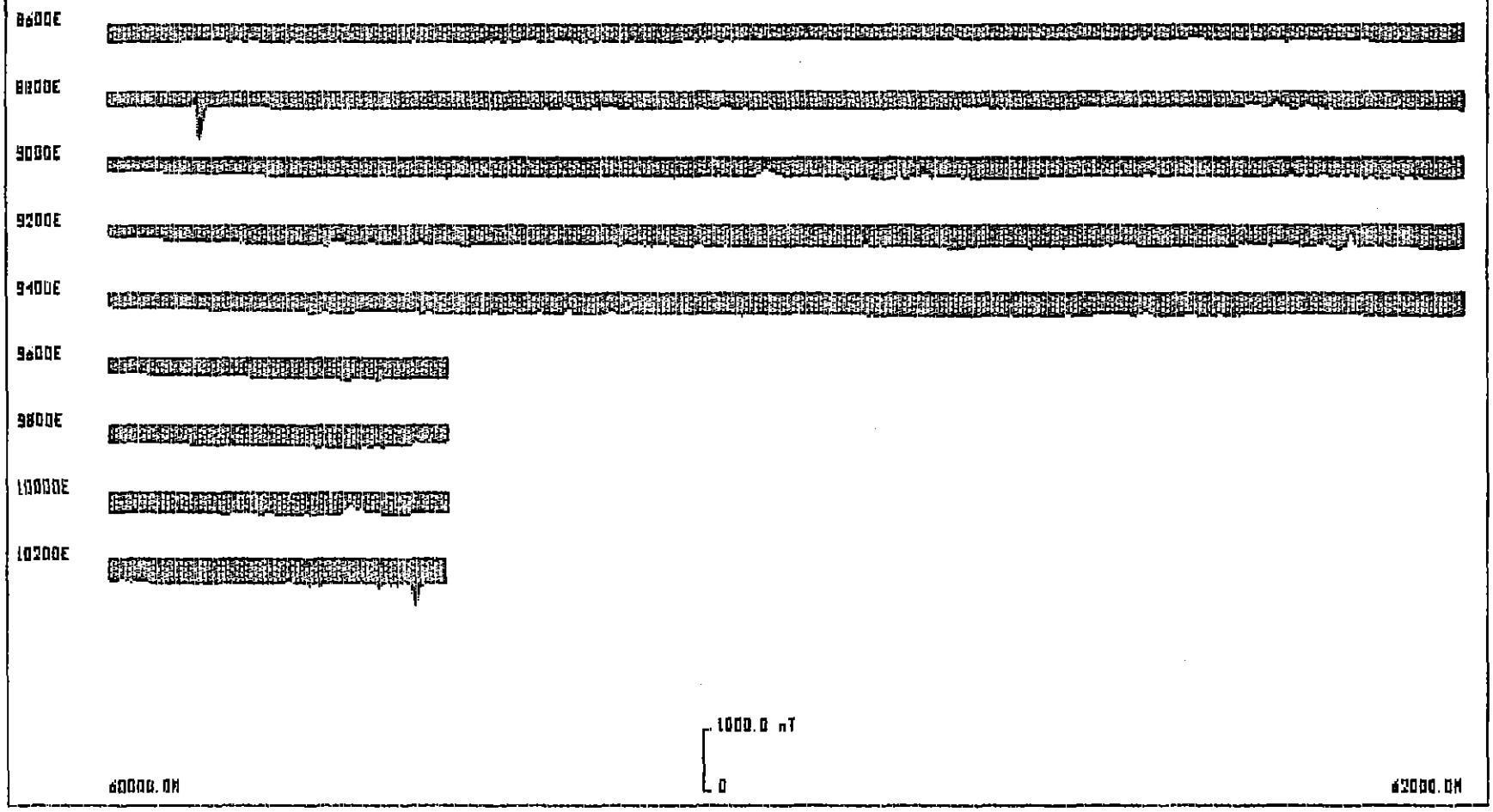

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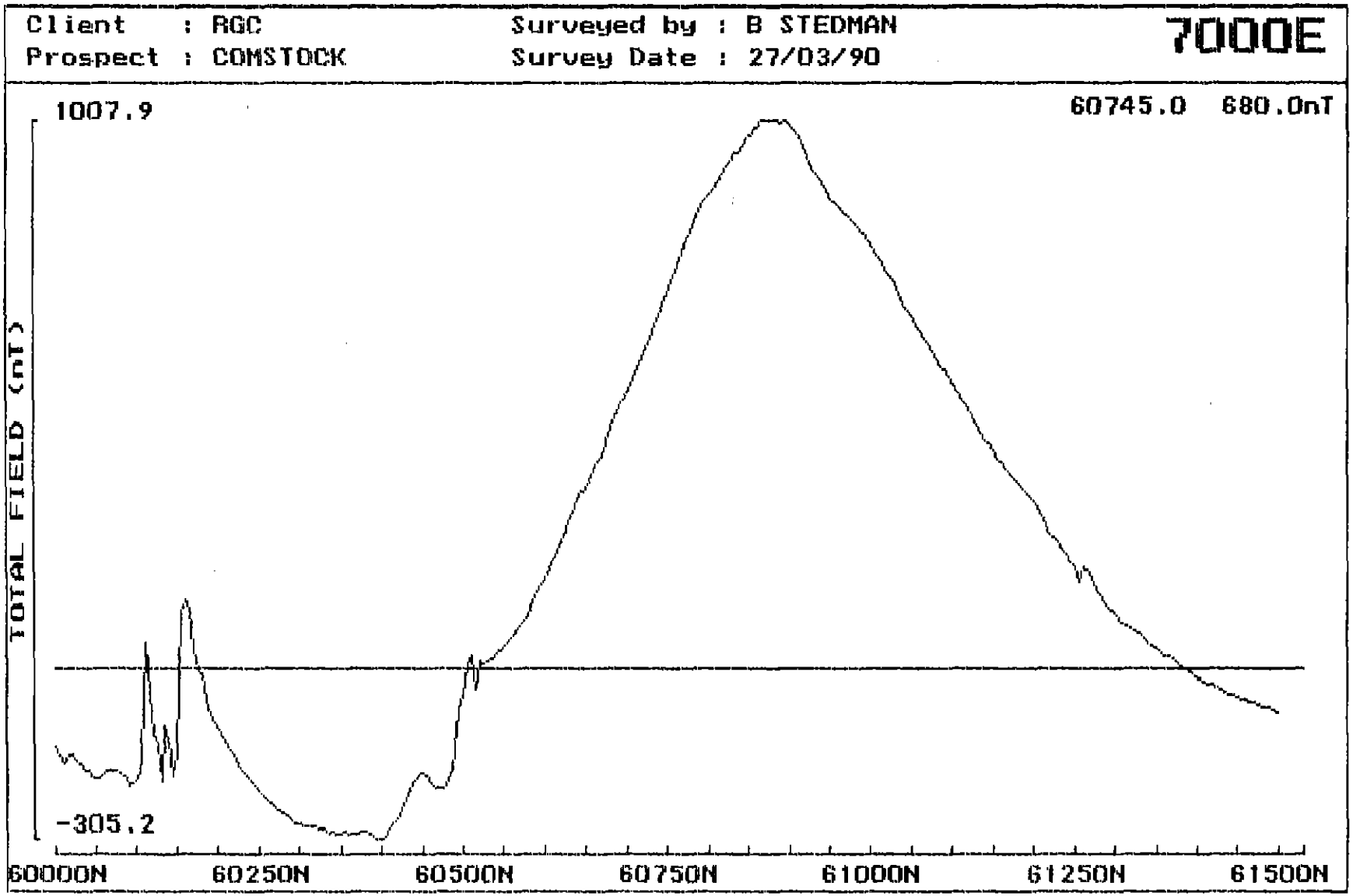
Client : RGC
Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
7000E
1007.9
60745.0 680.0nT
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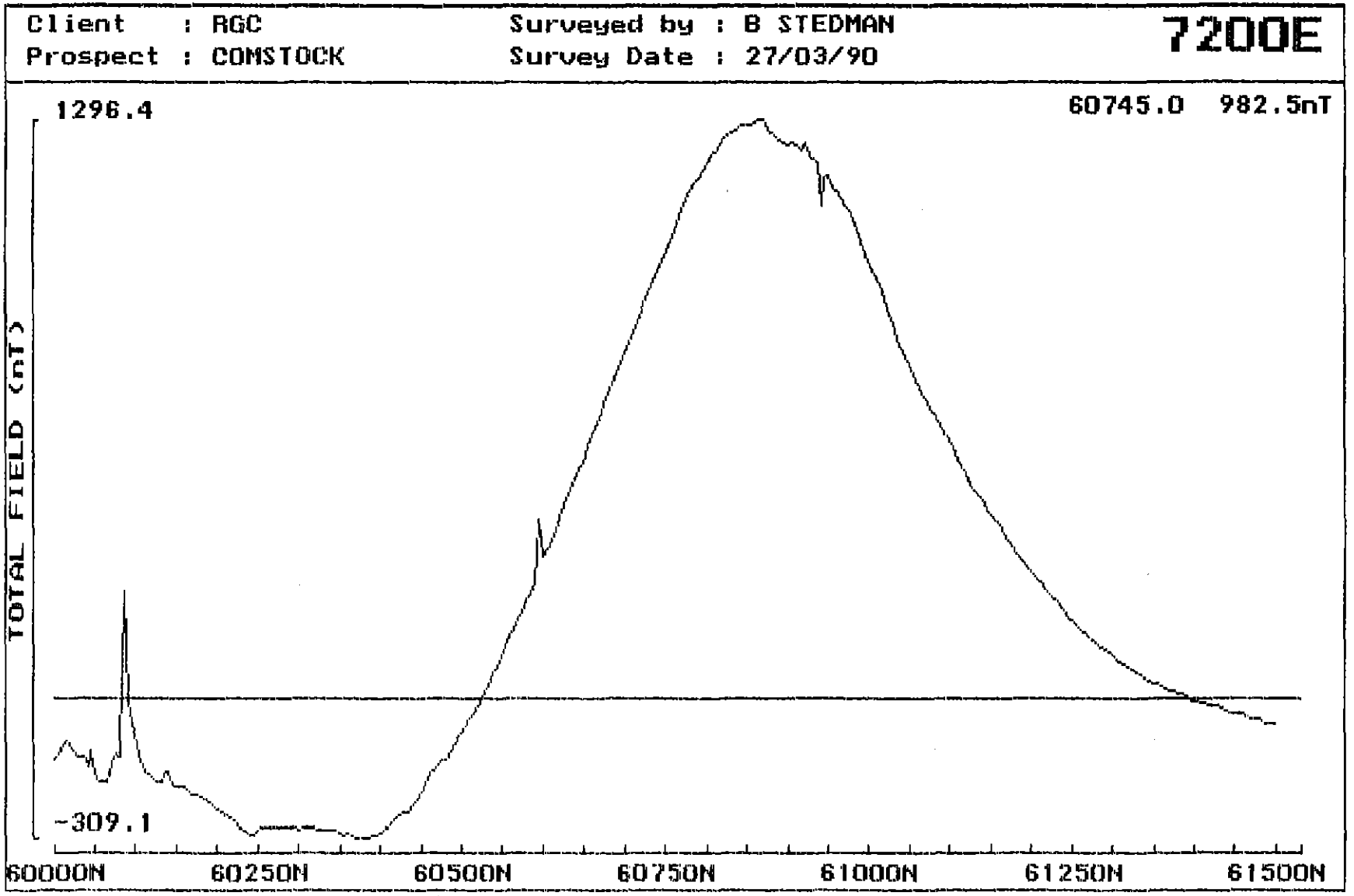
60500N
60750N
61000N
61250N
61500N

424436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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
7200E
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60745.0 982.5nT
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60500N
60750N
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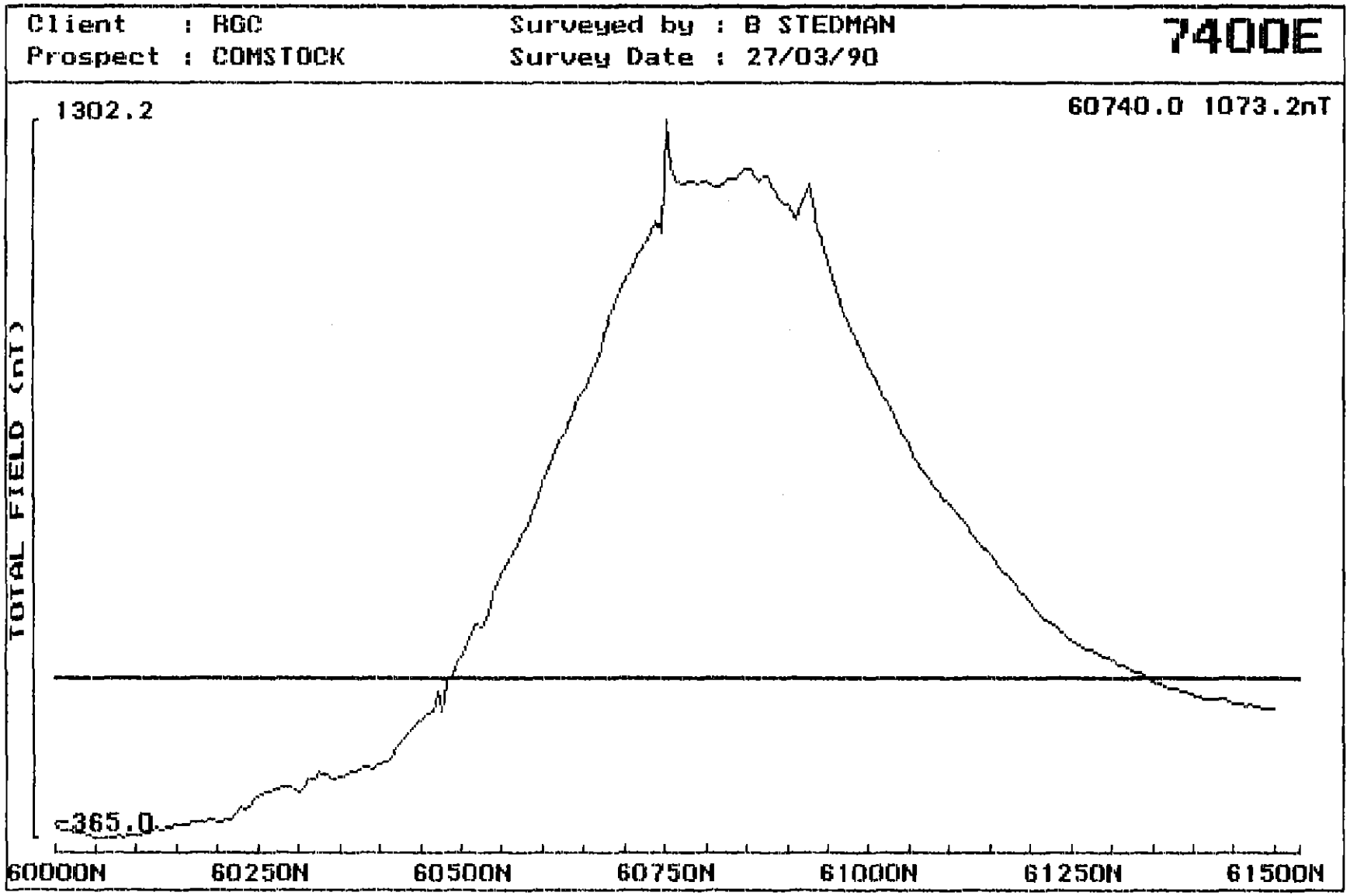
61250N
61500N

424437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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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60750N
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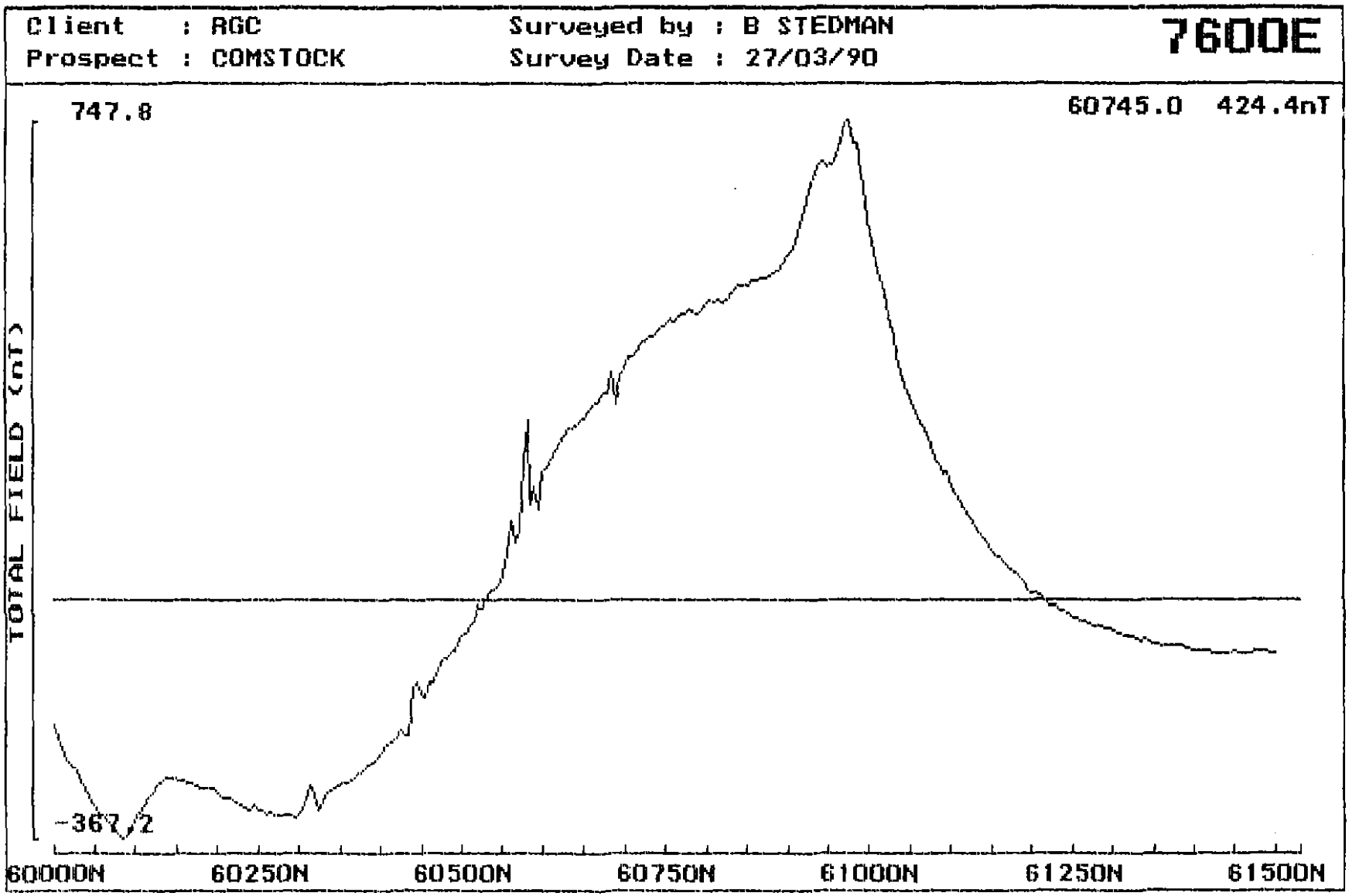
61500N

424438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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
7600E
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60745.0 424.4nT
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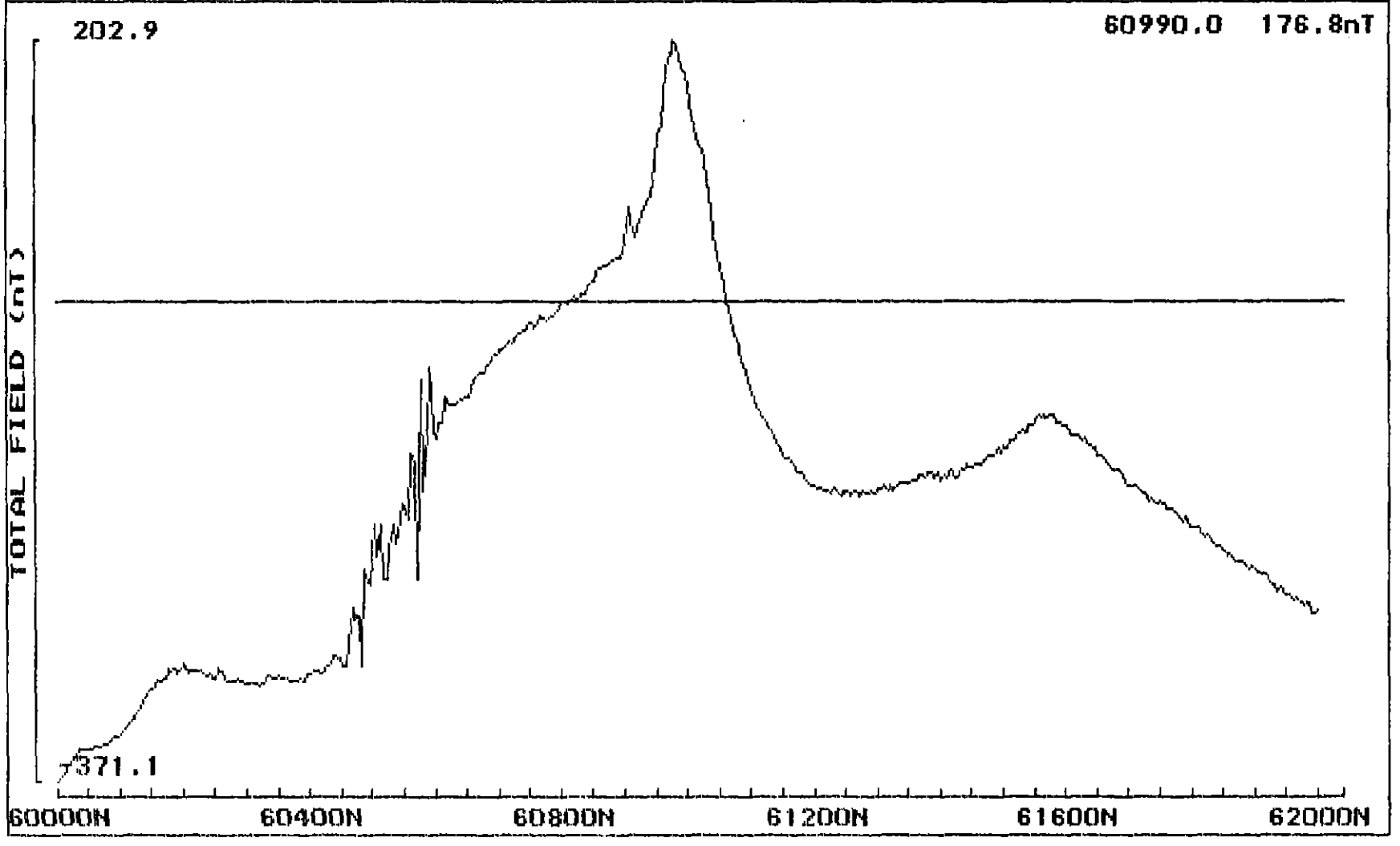
60000N
60250N
60500N
60750N
61000N
61250N
61500N

424439

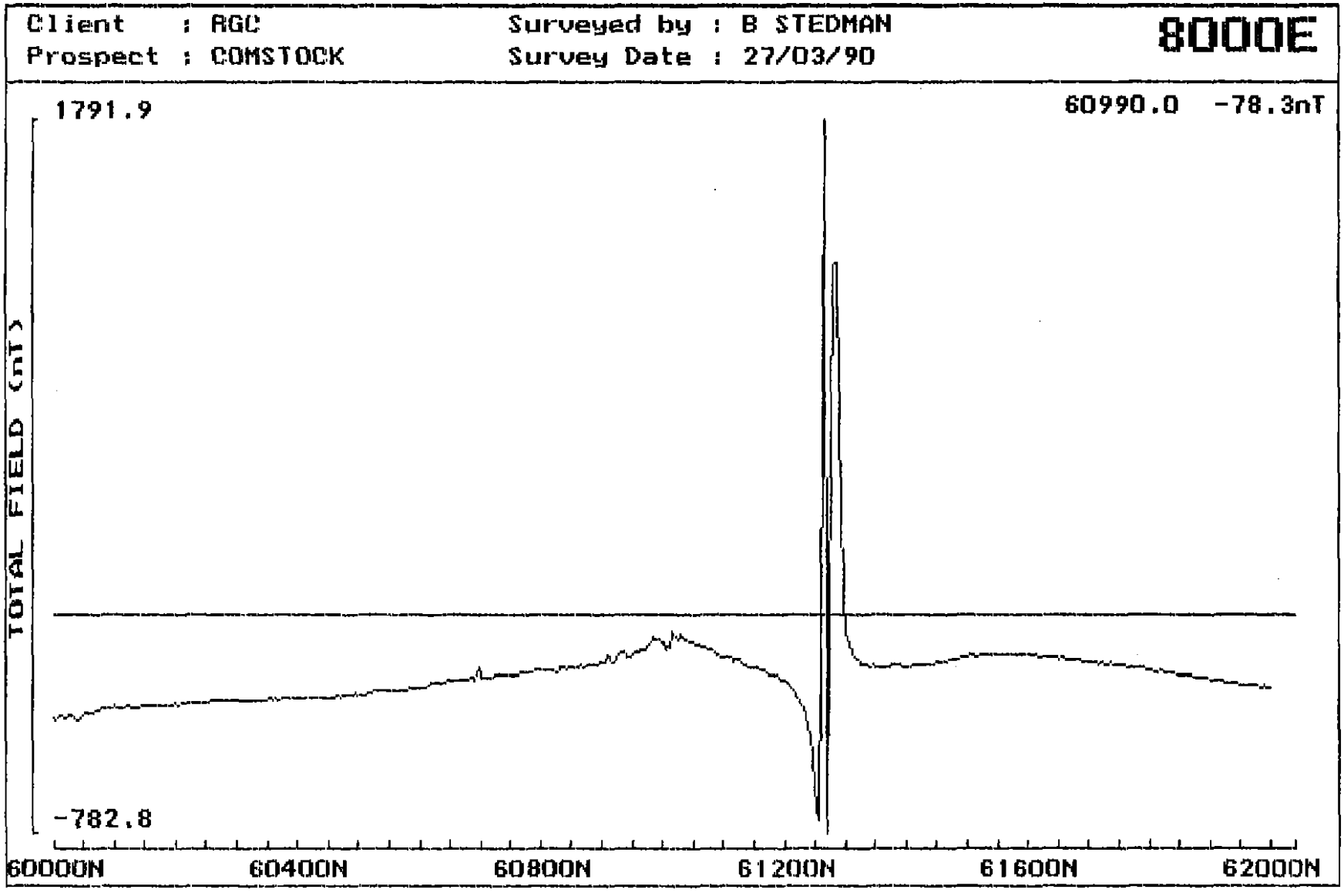
Client : RGC
Prospect : COMSTOCK

Surveyed by : B STEDMAN
Survey Date : 27/03/90

7800E



424440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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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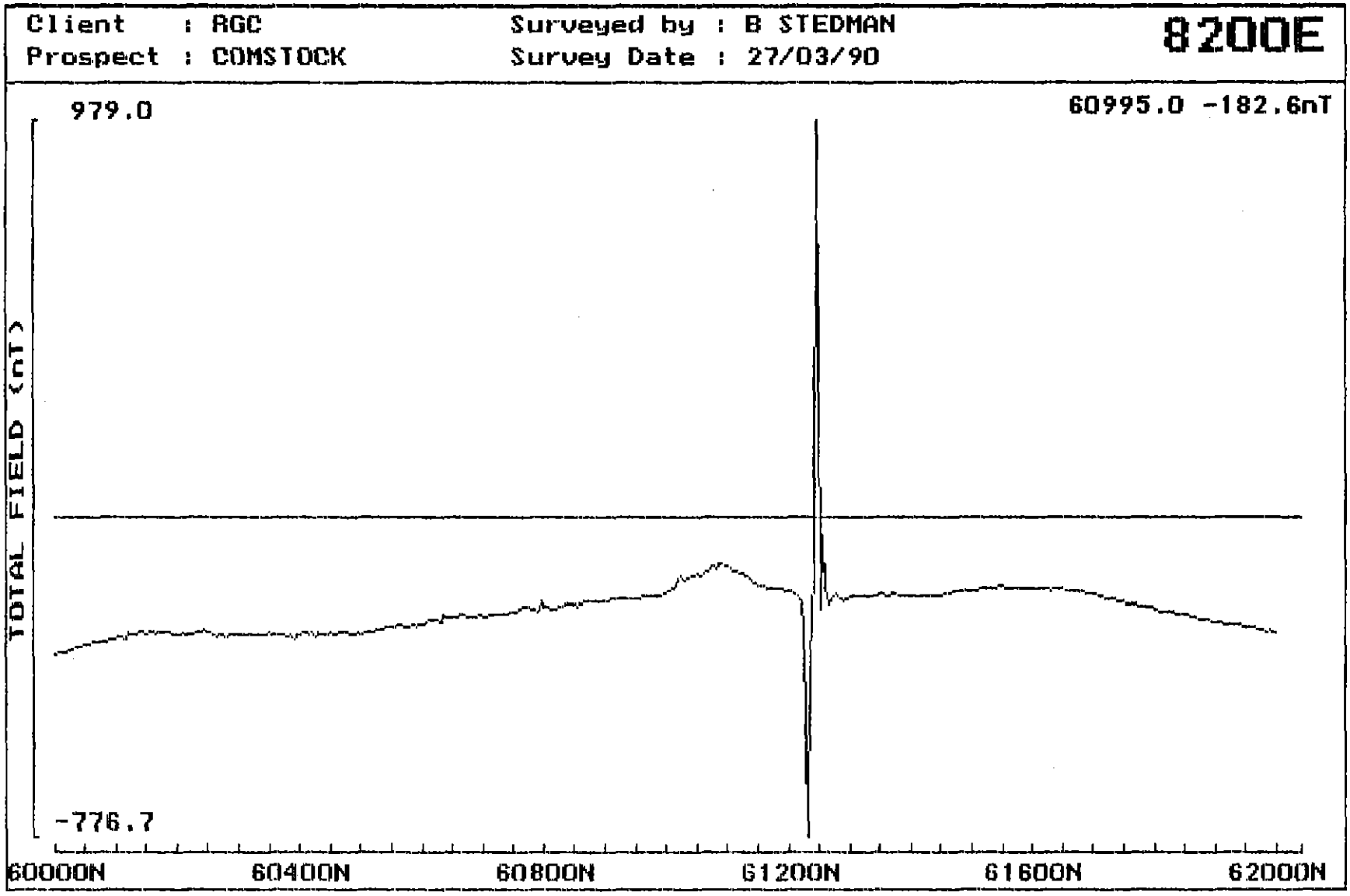
60800N
61200N
61600N
62000N

424441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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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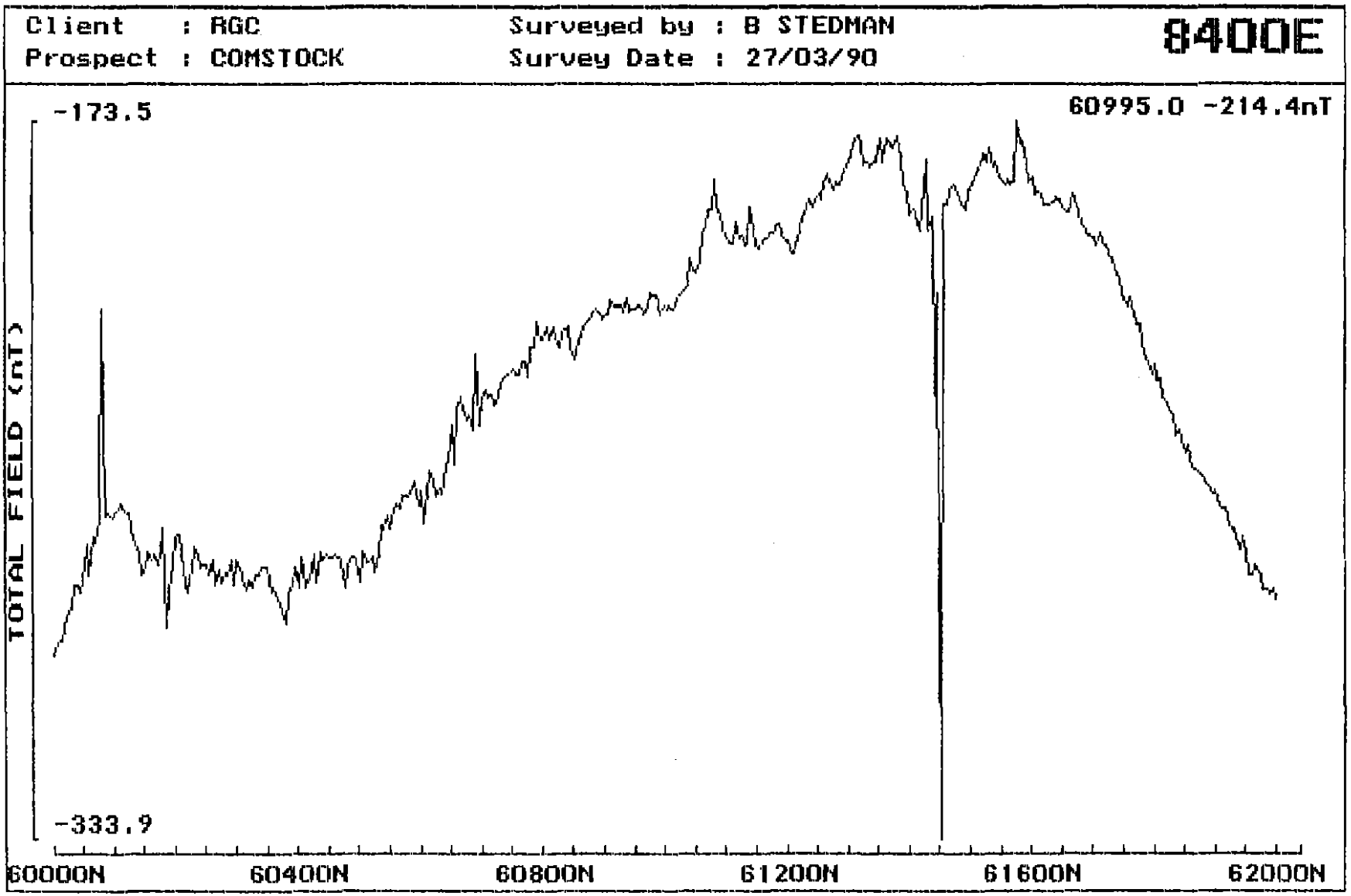
424442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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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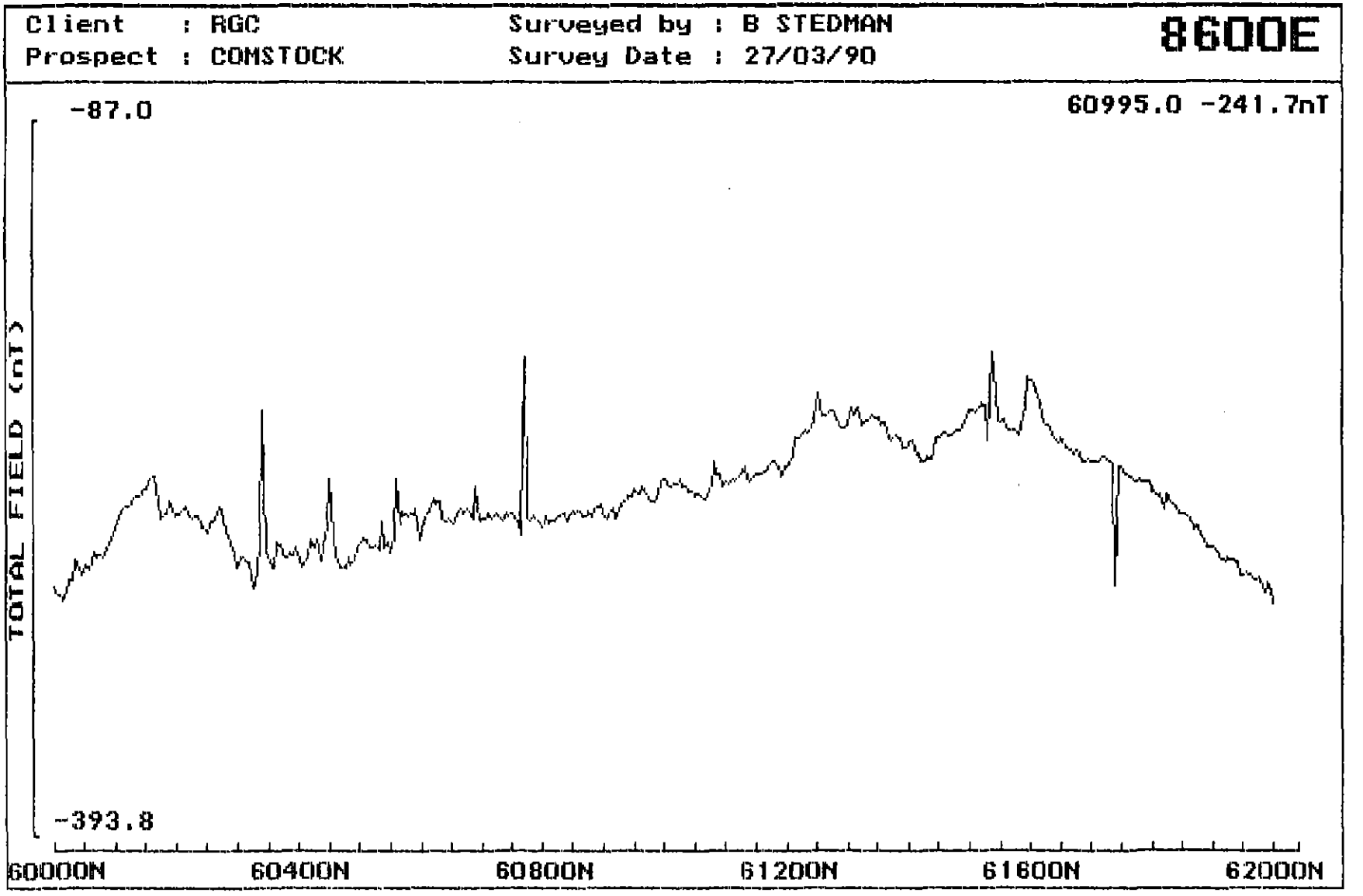
424443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Survey Date : 27/03/90
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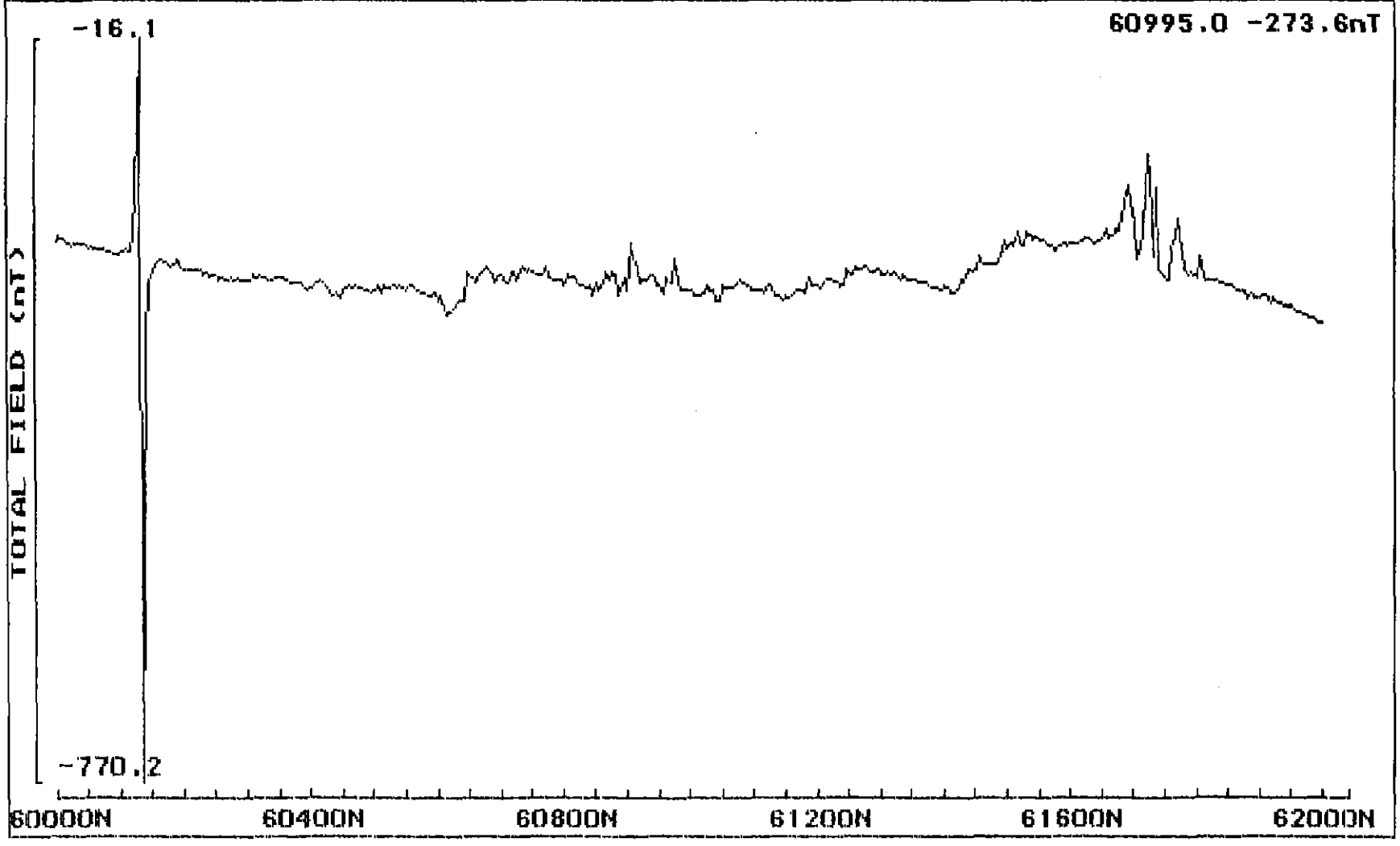
62000N

424444

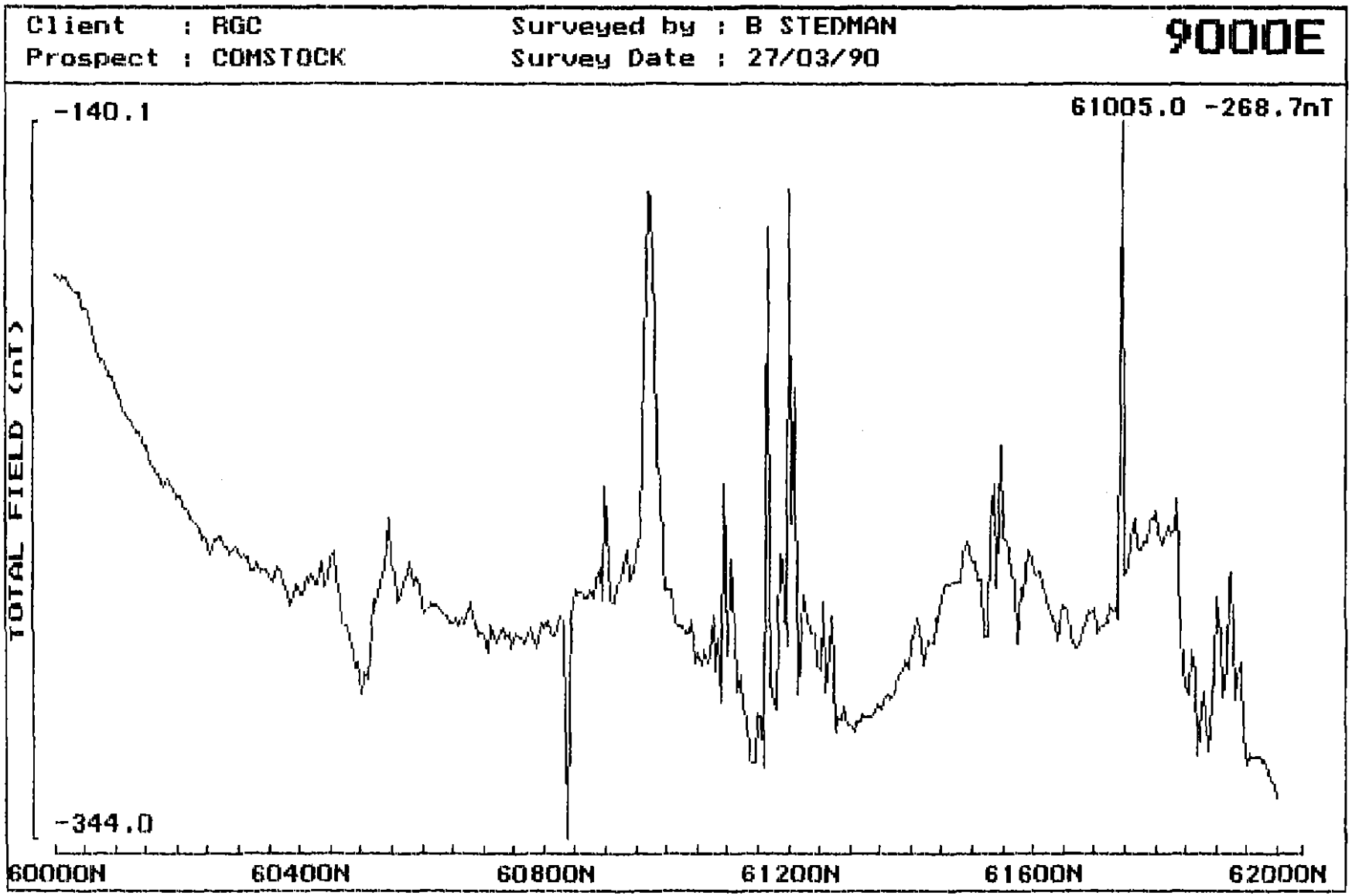
Client : RGC
Prospect : COMSTOCK

Surveyed by : B STEDMAN
Survey Date : 27/03/90

8800E



421445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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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TOTAL FIELD (nT)
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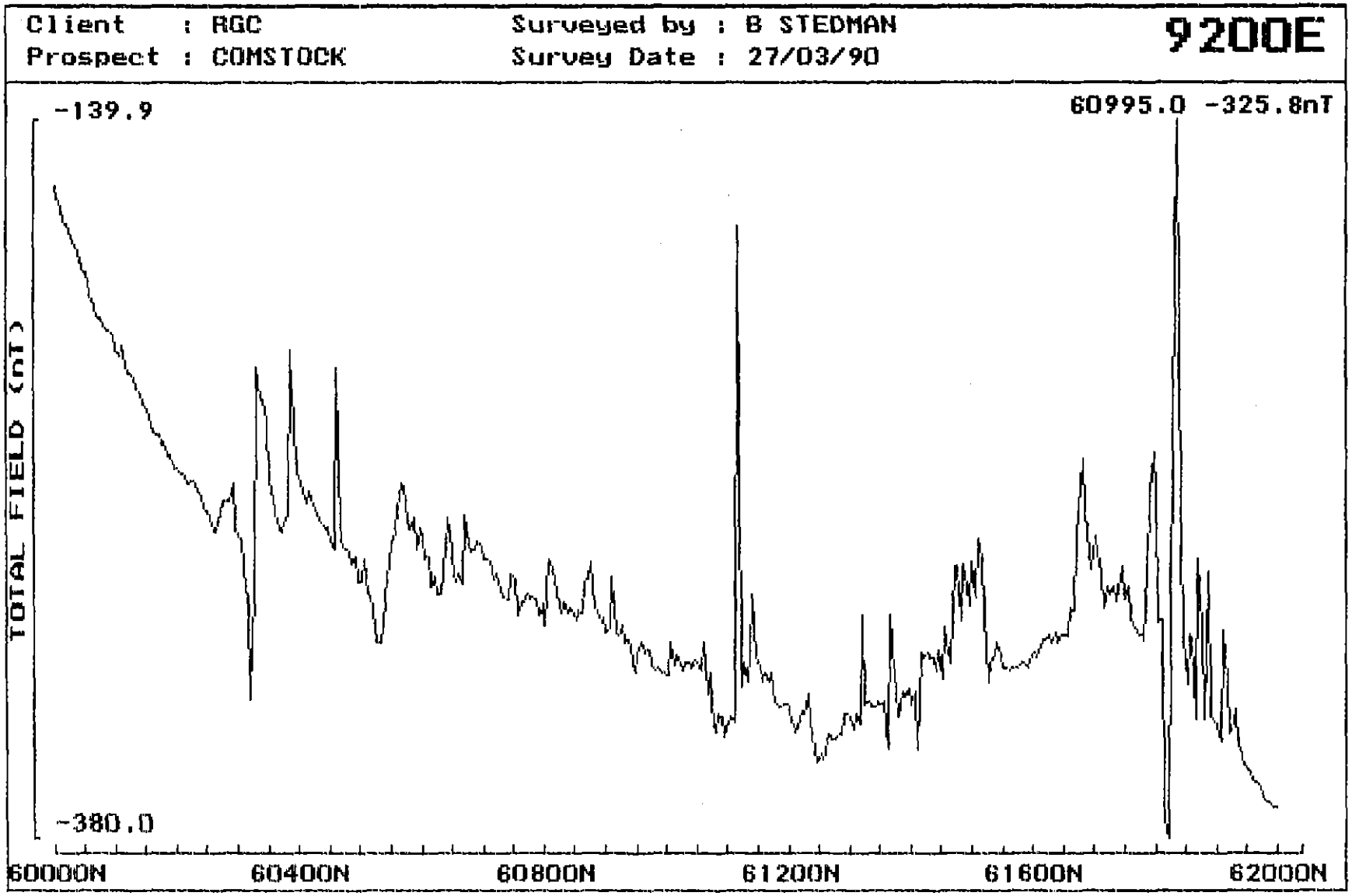
60800N
61200N
61600N
62000N

424446


Client : RGC
Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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TOTAL FIELD (nT)
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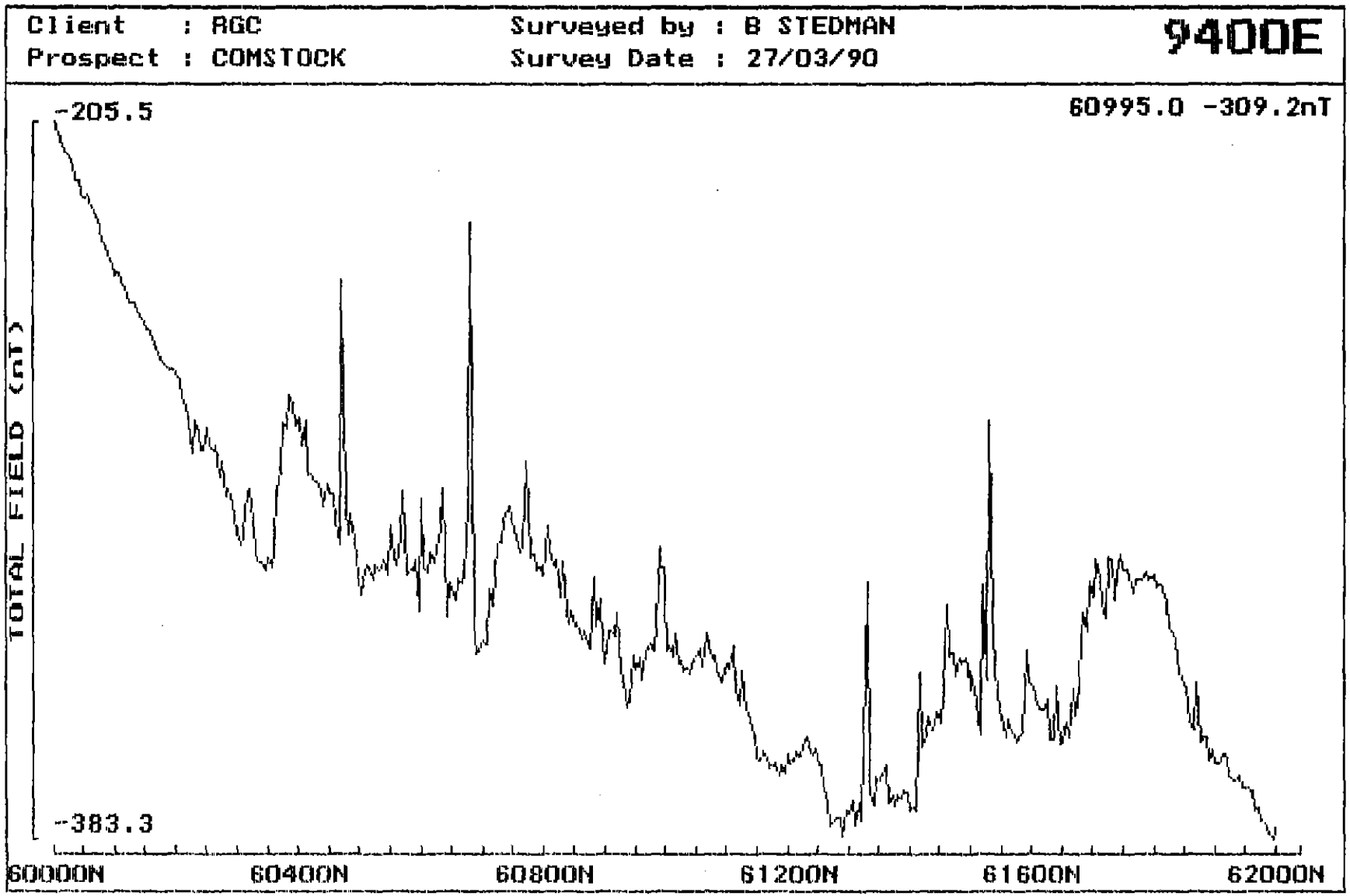
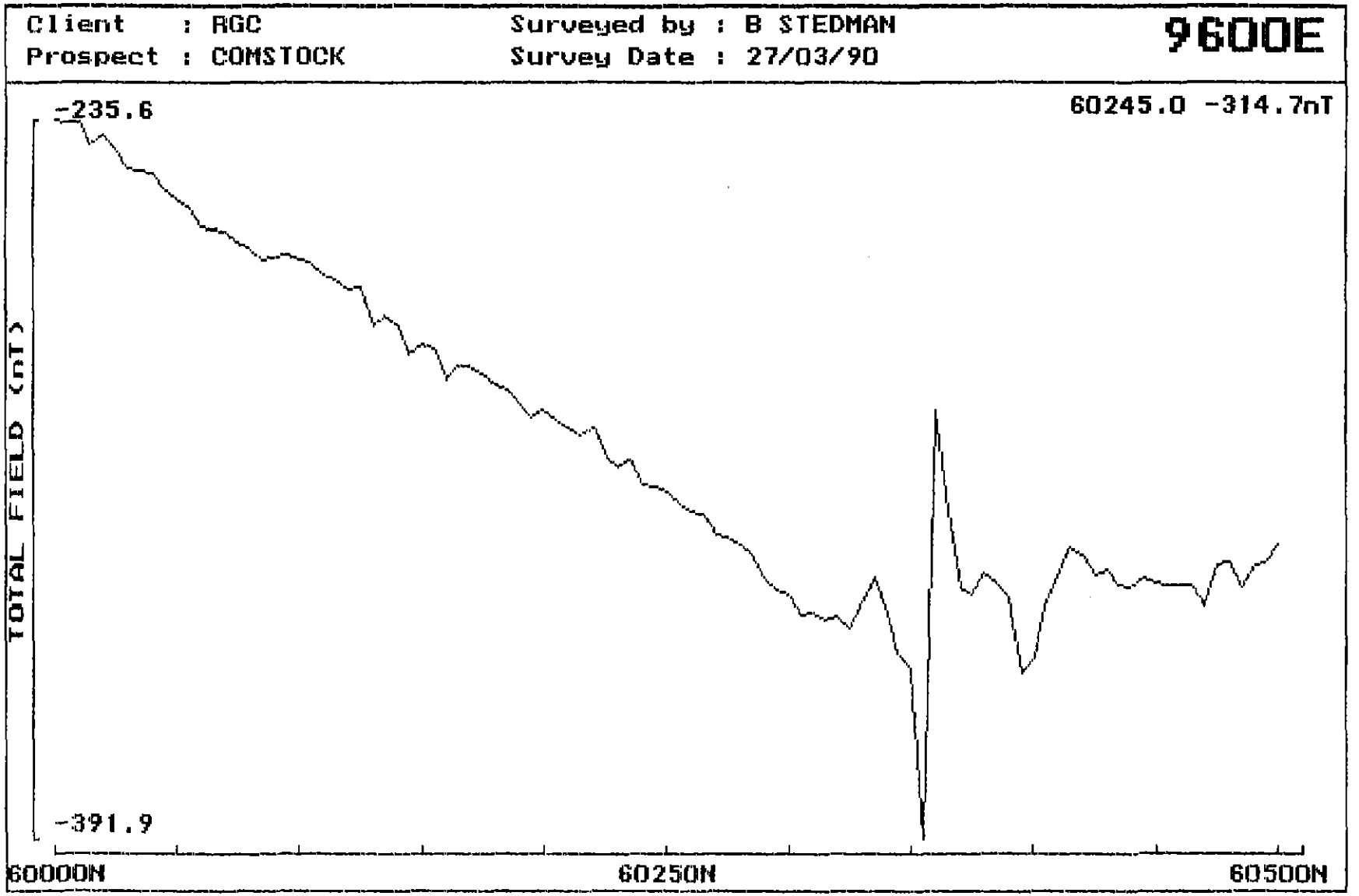
60400N
60800N
61200N
61600N
62000N

424447


Client : RGC
Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
9400E
-205.5
60995.0 -309.2nT
TOTAL FIELD (nT)
-383.3
60000N
60400N
60800N
61200N
61600N
62000N

424448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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
9600E
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60245.0 -314.7nT
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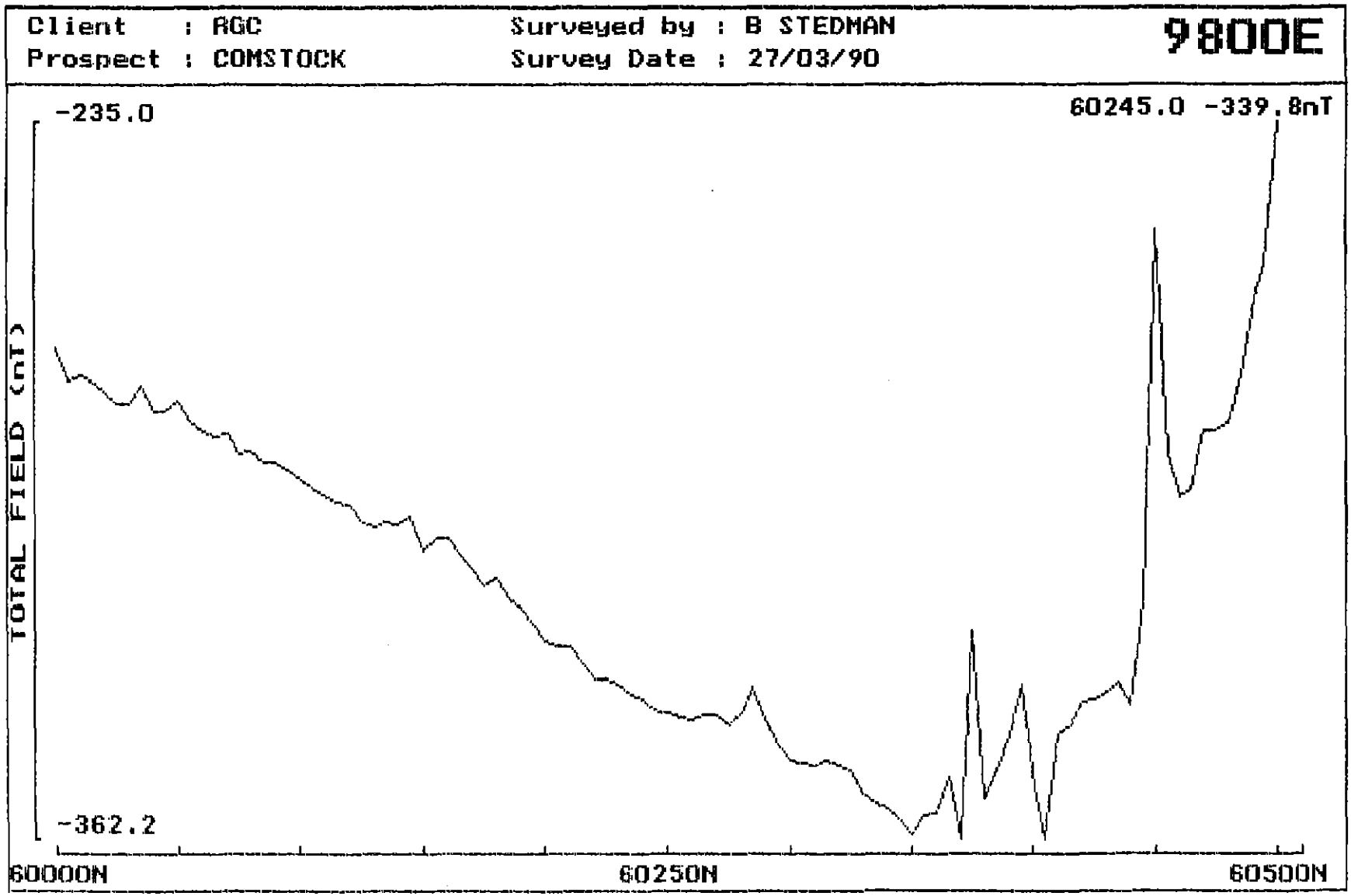
-391.9
60000N
60250N
60500N

424449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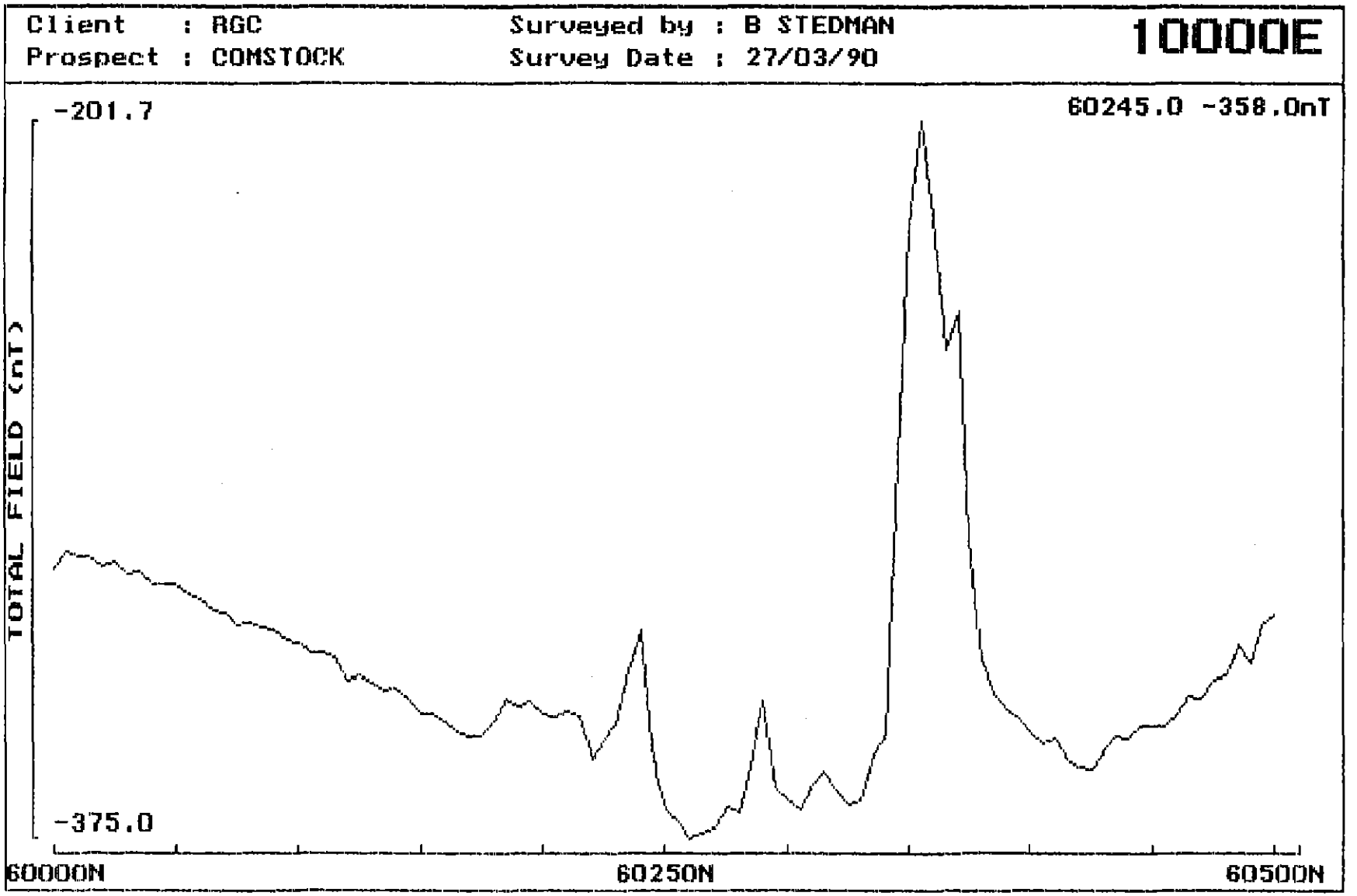
60500N

424450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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
10000E
-201.7
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TOTAL FIELD (nT)
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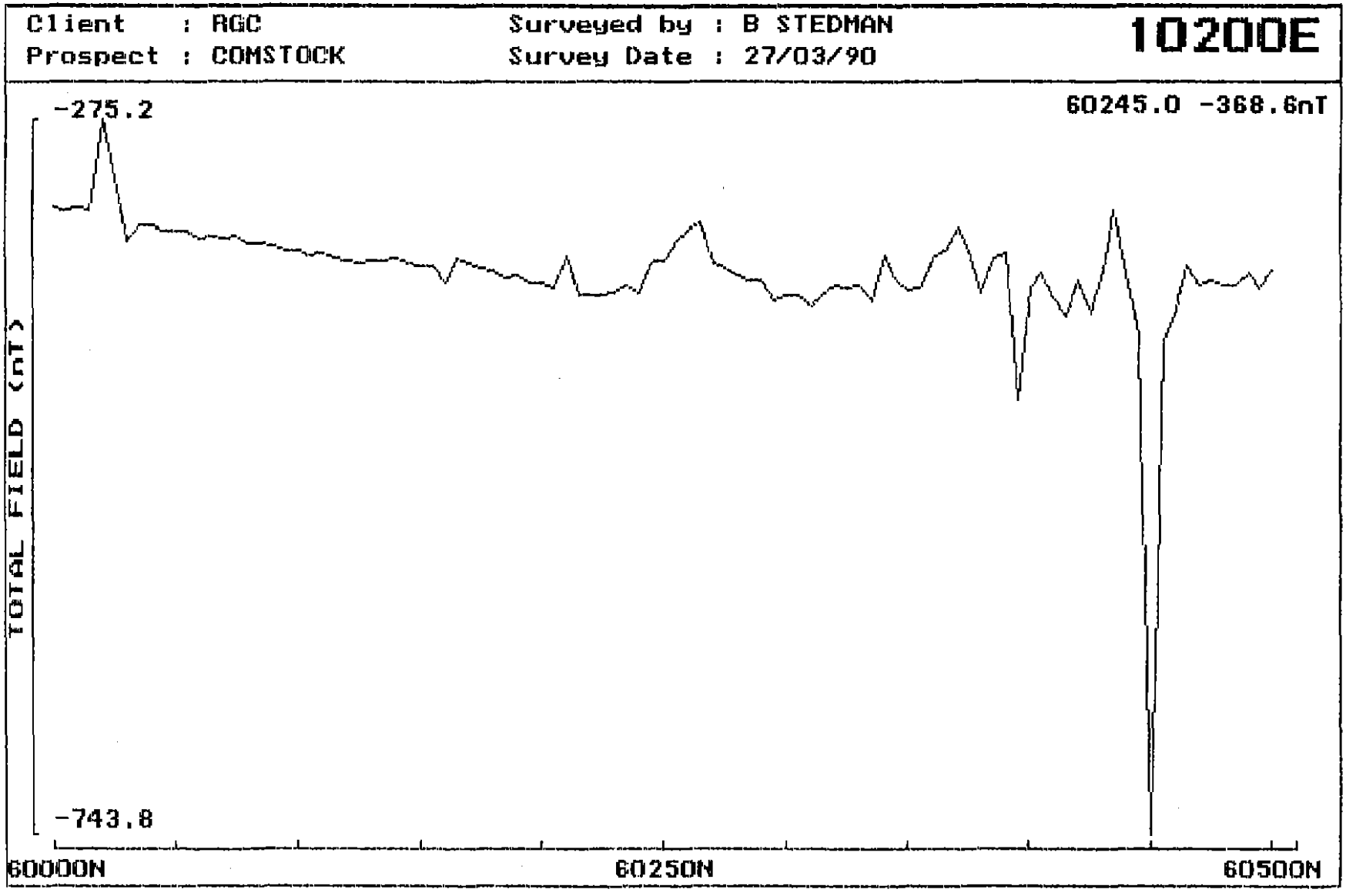
60000N
60250N
60500N

424451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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/03/90
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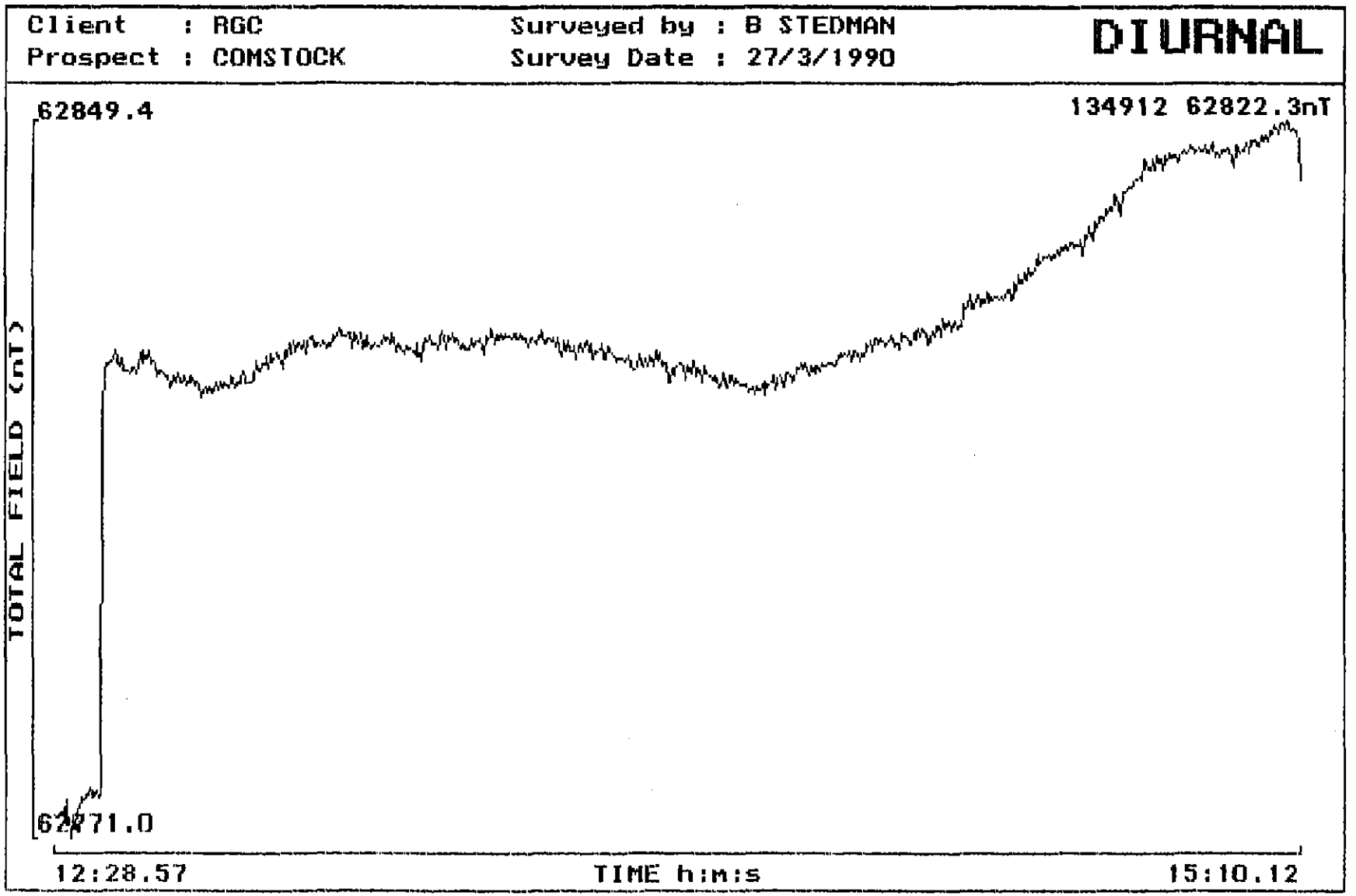
-743.8
60000N
60250N
60500N

424452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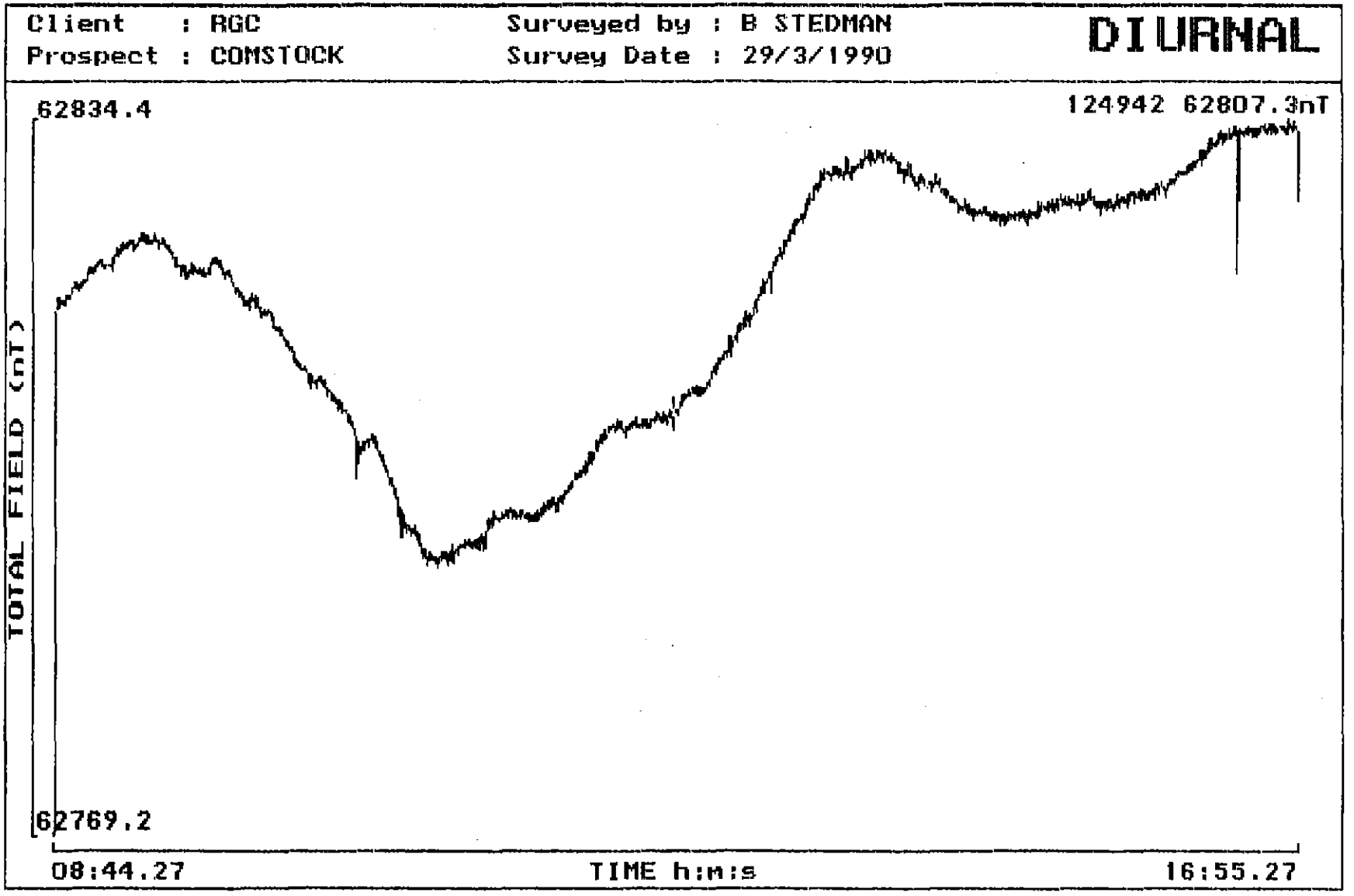
Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 27/3/1990
DIURNAL
62849.4
134912 62822.3nT
TOTAL FIELD (nT)
62771.0
12:28.57
TIME h:m:s
15:10.12

424453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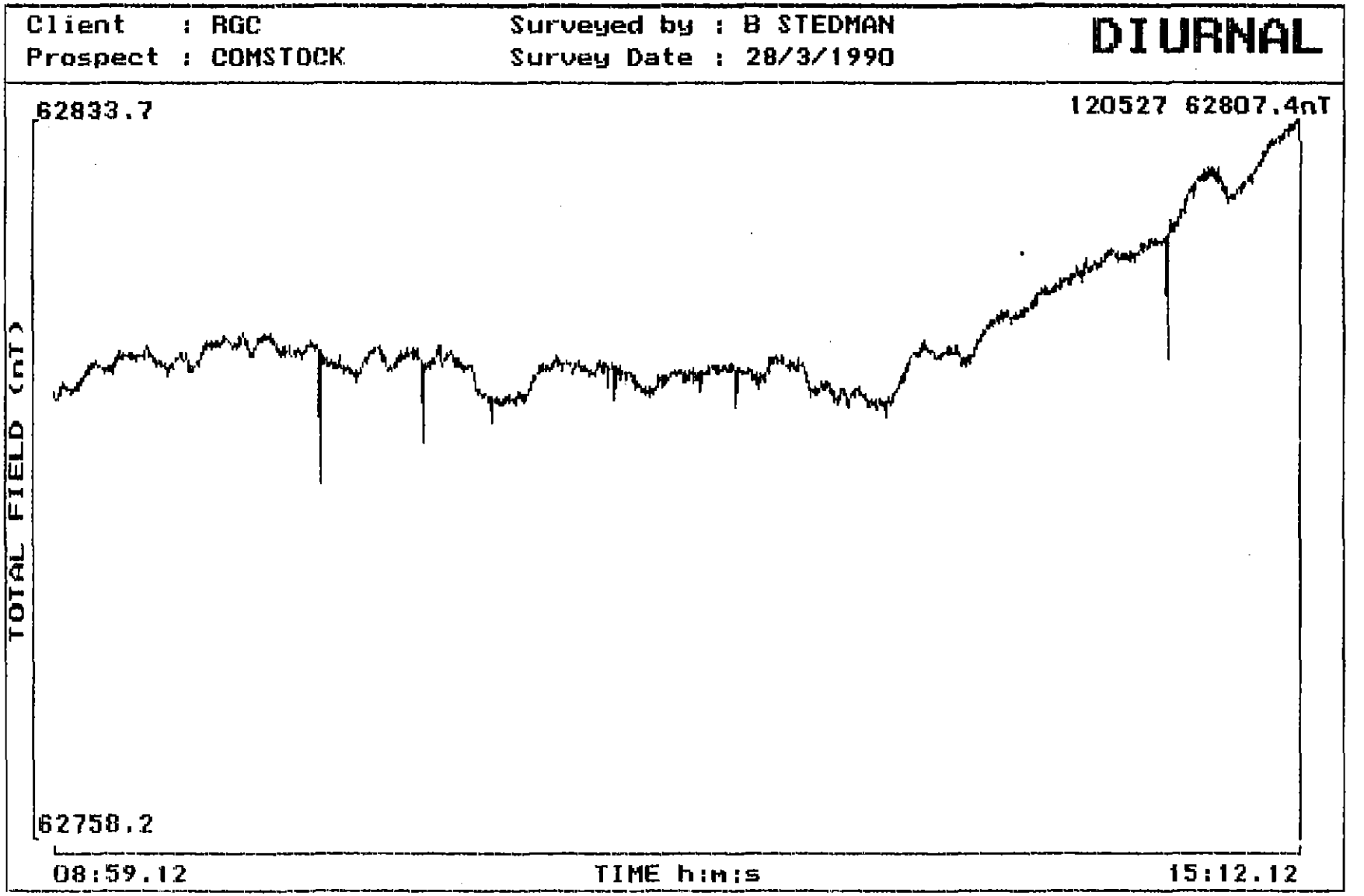
Surveyed by : B STEDMAN
Survey Date : 29/3/1990
DIURNAL
62834.4
124942 62807.3nT
TOTAL FIELD (nT)
62769.2
08:44.27
TIME h:m:s
16:55.27

424454

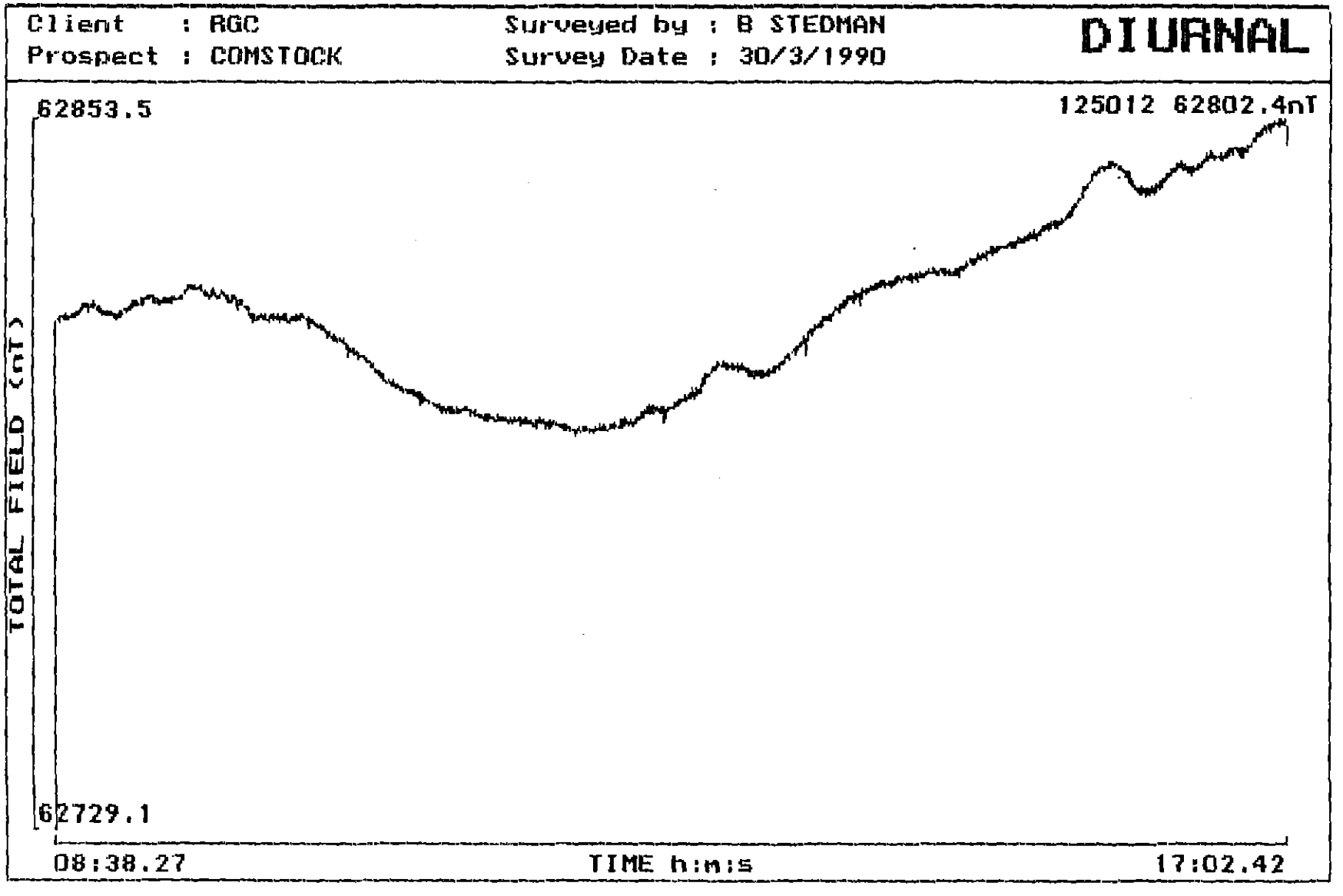
Client : RGC
Prospect : COMSTOCK

Surveyed by : B STEDMAN
Survey Date : 28/3/1990

DIURNAL



424455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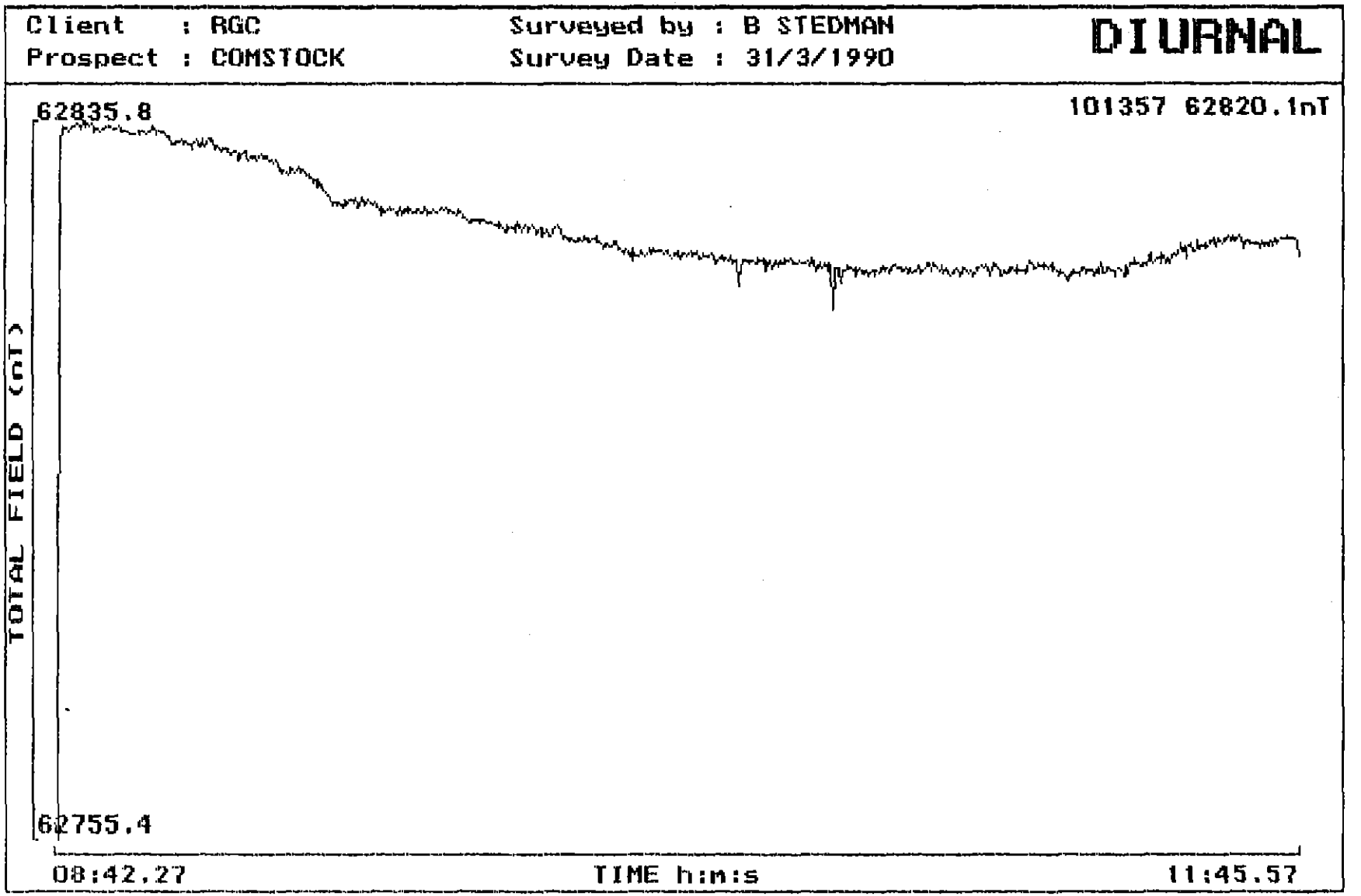
Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 30/3/1990
DIURNAL
62853.5
125012 62802.4nT
TOTAL FIELD (nT)
62729.1
08:38.27
TIME h:m:s
17:02.42

424456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Prospect : COMSTOCK
Surveyed by : B STEDMAN
Survey Date : 31/3/1990
DIURNAL
62835.8
101357 62820.1nT
TOTAL FIELD (nT)
62755.4
08:42.27
TIME h:m:s
11:45.57

424457

POTENT, 18:53 14/05/1990

Details of current model

Sylvester ~~Corbett~~ general magnetics

TITLE...

Last edit: 18:51 14/05/19

Calculated anomaly is TOTAL MAGNETIC FIELD

INDUCING FIELD:	Intensity (nT)	62371.00
	Inclination	-72.40
	Azimuth	12.70

Listing of body number 1 Type ELLIPSOID

All distances in

DESCRIPTION:

SHAPE	
a axis length	0.450
b axis length	1.000
c axis length	0.700
PHYSICAL PROPERTIES	
Density	0.1000
Susceptibility (SI)	0.1100
Remanent intensity (amp/m)	0.0000
Remanent azimuth	0.00
Remanent inclination	0.00
POSITION OF REFERENCE POINT	
Xr	7.278
Yr	60.889
Zr (depth)	0.140
ORIENTATION OF REFERENCE AXIS	
Strike	110.00
Dip	60.00
Plunge	0.00

Top centre of ellipsoid

Listing of body number 2 Type ELLIPSOID

DESCRIPTION:

SHAPE	
a axis length	0.080
b axis length	0.400
c axis length	0.200
PHYSICAL PROPERTIES	
Density	0.1000
Susceptibility (SI)	0.0400
Remanent intensity (amp/m)	0.0000
Remanent azimuth	0.00
Remanent inclination	0.00
POSITION OF REFERENCE POINT	
Xr	7.600
Yr	60.970
Zr (depth)	0.030
ORIENTATION OF REFERENCE AXIS	
Strike	70.00
Dip	70.00
Plunge	0.00

Top centre of ellipsoid

Wyatt & Associates

21 Custance St, FARRER
P.O. Box 705, MAWSON
A.C.T. 2607, Australia
Phone 06 2 863519

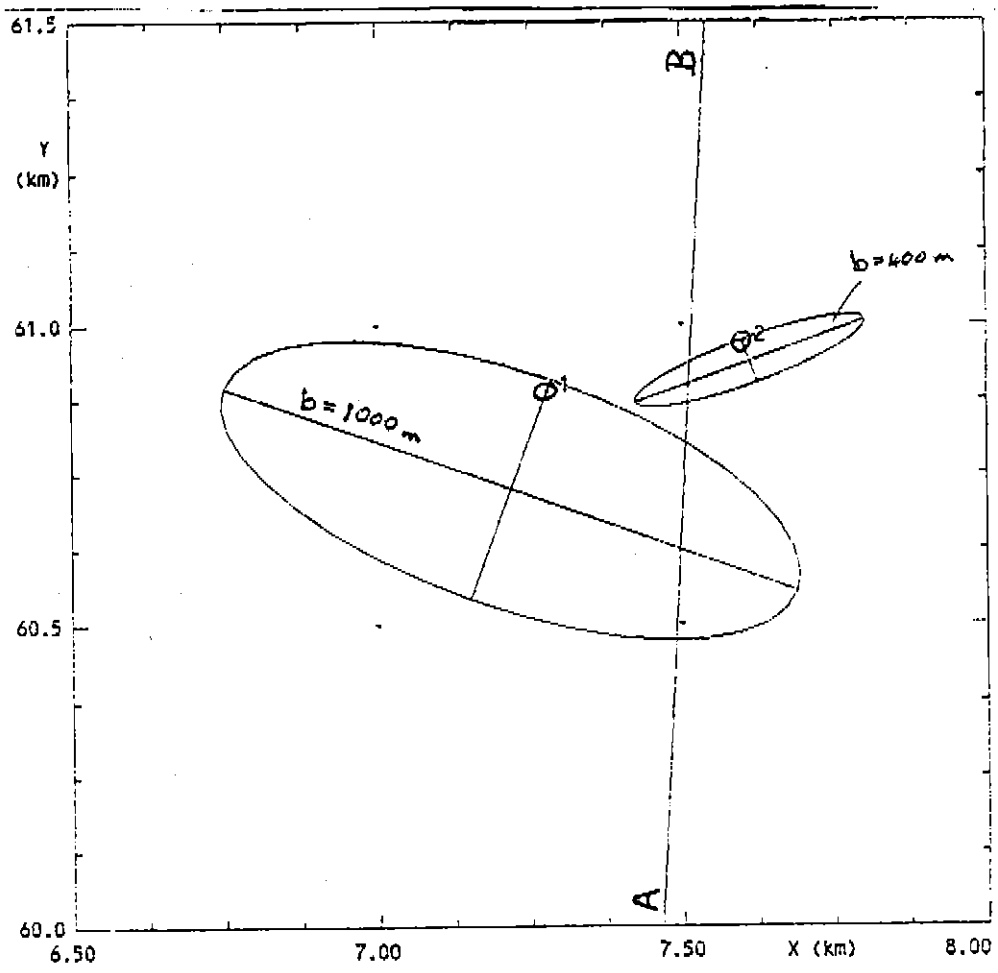
424458

FAX MESSAGE

TO: JOHN CROSSING
OF: RGC EXPLORATION
FROM: BRUCE
SUBJECT: Sylvester Ground Mag

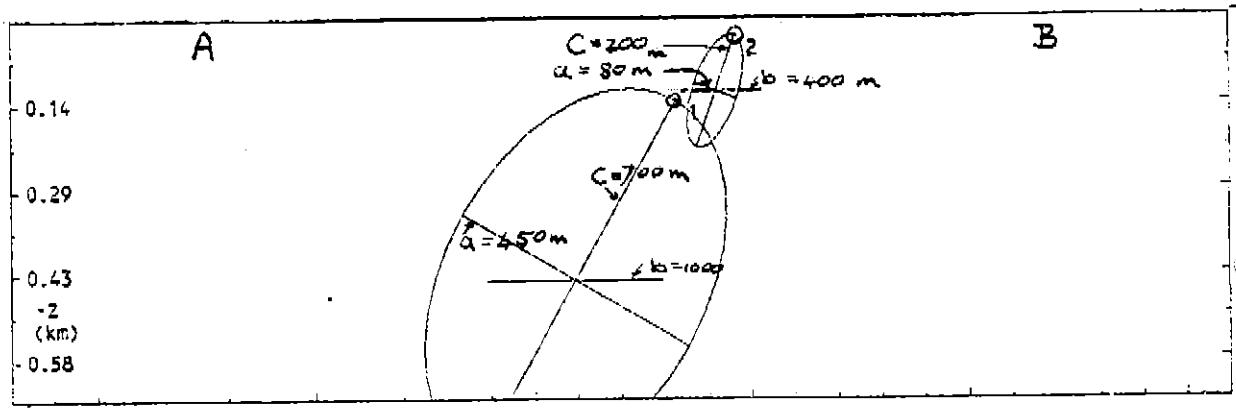
DATE: 20-9-90
FAX NO: 002-447363
No of pages including this header: 1

MESSAGE: Both bodies dip to the South as shown below,



Plan view

Cross section A-B



424459

APPENDIX 6

Interpretation of Aeromagnetic Data from EL 42/87 (Zeehan)

424460

Interpretation of Aeromagnetic data from EL 42/87 (Zeehan)

QUEENSTOWN SK 55-5

for

RGC Exploration Pty. Limited

Bruce Wyatt

April 1990

Wyatt & Associates
21 Custance St, FARRER
PO Box 705 MAWSON ACT 2607
Phone 06 2863519

424461

Summary

A helicopter magnetic survey was flown for RGC Exploration Pty Limited by Geoterrex Pty Limited in March 1989. It covered approximately 270 square kilometres and was flown at 75 metres terrain clearance along east-west lines spaced 150 metres apart. The survey was designed to assist both geological mapping and identification of structures and exploration target areas as part of an exploration program being conducted by RGC Exploration in this area.

Eighteen magnetic anomalies have been delineated in EL 42/87 (Zeehan), as well as another thirteen anomalies just outside the boundary of the lease. All of the anomalies have been classified according to their size, shape, amplitude, location, and environment. The more highly rated ones are recommended for follow up by investigation of previous work, ground checking and magnetics, and drilling. The number of anomalies to be followed up is dependent on the success achieved with higher priority ones and with anomalies of similar characteristics and in a similar environment. In all cases, high resolution ground magnetics and detailed computer modelling is necessary to define targets for testing by drilling.

The magnetic data presentations and interpretation plates should be used to assist future mapping, geological interpretation, and exploration work. Any unexplained anomalies should be computer modelling in detail, to define possible targets.

It is recommended that ground electromagnetic techniques be considered as a means to differentiate near surface conductors from other magnetic sources, and that downhole geophysical techniques be considered in drillholes where anomalies have been targeted but have not been satisfactorily explained by core logging.

A complete list of anomalies and their characteristics is given as Appendix B.

424462

Table of Contents

Summary

Table of Contents

List of Tables

List of Plates

1 Introduction 1
1.1 Survey specifications 1

2 Geology 2

3 Previous geophysical surveys 3
3.1 Previous Airborne Magnetic Surveys 3

4 Magnetic interpretation 4
4.1 Data processing and presentation 4
4.2 Physical Properties 5
4.3 Magnetic sources 6
4.4 Magnetic anomalies 7
4.5 EL 42/87 Zeehan 7
4.5.1 Anomalies 7
4.5.2 Lineaments 9

5 Recommendations 10

6 References 11

APPENDIX A Frequency distribution of data 13
A.1 Total magnetic intensity 13
A.2 Residual magnetic intensity 14
A.3 Radar altimeter 15

APPENDIX B Magnetic anomaly coordinates 16

424463

List of Tables

1 Physical properties of rocks and ores 5
2 Magnetic properties of rocks and ores 6
3 Magnetic anomaly amplitudes over ellipsoids 7

List of Plates

1 Residual magnetic intensity image with 10 nT contours 17
2 Residual magnetic intensity image with 2 nT contours 18
3 Magnetic variation image 19
4 Magnetic gradient image 20
5 Magnetic gradient image 21
6 Magnetic second derivative image 22
7 Magnetic second derivative image 23
8 Location map 1:25000 scale
9 Residual magnetic contours, 10 nT interval, 1:10000 scale
10 Magnetic interpretation, 1:10000 scale

424464

List of Plates (continued)

Note: The following maps have been generated but are *not* necessarily included with this report.

by Geoterrex

Residual magnetic contours, 10 nT interval, 1:10000 scale (9 sheets)

Flight path, 1:10000 scale (9 sheets)

by Pitt Research

Flight path, 1:25000 scale

Residual magnetic intensity contours, 10 nT interval, 1:25000 scale

Residual magnetic intensity contours, 2 nT interval, 1:25000 scale

Residual magnetic intensity profiles, 500 nT/cm, 1:25000 scale

Residual magnetic intensity profiles, 100 nT/cm, 1:25000 scale

Residual magnetic intensity grid profiles, 100 nT/cm, 1:25000 scale

Laminated D-scan prints of images at 1:50000 scale:
- Residual magnetic intensity
- Magnetic intensity downward continued 50 metres
- Magnetic gradient (black and white)
- Magnetic gradient
- Magnetic gradient (artificial sun azimuth 0 degrees)
- Magnetic gradient (artificial sun azimuth 45 degrees)
- Magnetic gradient (artificial sun azimuth 90 degrees)
- Magnetic gradient (artificial sun azimuth 135 degrees)
- Magnetic variation

35 mm slides (total 48)

by RGC Exploration

Laminated stacked profile plots at 1:25000 scale:
- 9-point filter then first horizontal difference bipole
- 5-point filter then second horizontal difference bipole
- 5-point filter then second horizontal difference bipole
- low pass filter (0.05 cycles/data interval cutoff, 21 point) then second horizontal difference bipole
- low pass filter (0.02 cycles/data interval cutoff, 31 point) then second horizontal difference bipole

1 Introduction

A helicopter magnetic survey was flown for RGC Exploration Pty Limited by Geoterrex Pty Limited (Geoterrex) in March of 1989. The survey covered a total of approximately 270 square kilometres over the Renison Mine Lease and exploration leases EL 42/87 (Zeehan), EL 101/87 (Dundas), EL 13/88 (Moores Pimple), and EL 9/66 (Henty). The survey area extends between longitudes 145° 16' 30" and 145° 34' East and latitudes 41° 45' 30" and 41° 54' 15" South (356700 and 381000 metres East and 5359500 and 5375500 metres North). The survey covers part of the QUEENSTOWN 1:250,000 sheet area and parts of the Pieman and Sophia 1:100,000 sheet areas. The area lies to the southwest of Rosebery and includes the town of Zeehan and the Renison Bell tin mine. This report describes the interpretation of the Zeehan area (EL 42/87). Seperate reports cover the whole survey area and the other leases (Wyatt, 1990a-d).

The lowest parts of the survey area are immediately east of Zeehan (150 metres above mean sea level) in the southwest of the area and around Lake Pieman (120 metres above mean sea level) on the northern edge. Topography is rugged over all but the western side of the area. The highest peaks are Mount Read (1100 metres) and Mount Dundas (1143 metres).

1.1 Survey Specifications

The survey was flown at a nominal height of 75 metres above the tree canopy. The actual aircraft height averaged about 110 metres above the ground surface which is equivalent to a sensor height of 85 metres. The east-west lines were 150 metres apart and the north-south ties were 1,500 metres apart. Approximately 2,100 line kilometres of data were acquired along the 103 flight lines and 17 ties using Squirrel AS350B helicopter VH-HQO.

The magnetic data were acquired with a Scintrex caesium vapour optical absorption magnetometer with resolution of 0.01 nanoTeslas (nT). The magnetic field strength was sampled and recorded every 0.1 seconds (approximately 4 metres).

Navigation and flight path recovery were achieved using new medium level aerial photography enlarged to 1:15,000 scale and a 35 mm continuous strip tracking camera.

All plates produced for this survey use the Australian Map Grid (AMG) as reference. The magnetic anomalies are tabulated in Appendix B with AMG coordinates. Numerous local grids have been used for detailed exploration in the area of the survey.

2 Geology

Stratigraphic table - after Crossing (1989)

Permian	Zeehan Glacial Formation	tillite
Devonian	Bell Shale	
	Florence Quartzite	fossiliferous sandstone
Silurian	Undifferentiated	
	Crotty Quartzite	
Ordovician	Gordon Limestone	limestone, calcarenite
	Moina Sandstone	sandstone, grit,conglomerate
Cambrian	Mt. Zeehan Conglomerate	
	Dundas group	interbedded siltstone, sandstone, grit, greywacke, conglomerate, volcanics
	Crimson Creek Form	interbedded red-purple siltstone, greywacke, tuff
U. Proterozoic	Oonah Form	interbedded sandstone, siltstone, shale, limestone, spilite
Cambrian		(intrusive) gabbro

Most of the western two thirds of this area is Upper Proterozoic Oonah Formation, folded about northeast to southeast trending axes. Crimson Creek Formation crops out in the northern part of the area (around 360600E, 536680N) and also in a zone trending south-southwest from Zeehan, and in a zone trending west-northwest near the southern edge of the survey area. Cambrian gabbro crops out at (and to the southwest of) the southwest corner of the survey area.

The eastern third of this area (east of 361000E) is a broad syncline containing Ordovician, Silurian and Devonian sediments. The syncline plunges to the south-southeast and dips are generally between 30 and 60 degrees. Extensive Permian tillite covers some of the Oonah Formation, mainly in the northwest.

The most significant faults in the area strike north (Despatch Fault), north-northeast (Walkers Fault, Brickfield's Fault) or west-northwest (Balstrup, Sylvester, Tenth Legion, Oonah Faults). Other faults strike north-northeast and west-northwest (in Oonah Formation) and between east-northeast and east-southeast in the syncline.

3 Previous Geophysical Surveys

Extensive parts of the area have been subjected to numerous surveys using various geophysical techniques. Most of the work has been carried out by exploration companies and some by government agencies. Additional test surveys have been carried out by contracting companies.

3.1 Previous Airborne Magnetic Surveys

A DIGHEM survey to the southwest of Zeehan defined several targets in the Stonehenge area. Most of these lie in a large conductive zone which lies along the northern flank of a prominent magnetic feature (Peters & Dvorak, 1982; Bishop, 1982a).

Aberfoyle had an aeromagnetic survey flown over the Waratah to Zeehan area in 1965. The flight line spacing was 400 metres.

A fixed wing aeromagnetic survey was flown by Geoex Pty Limited for the Tasmanian Mines Department in 1981 with east-west lines 500 metres apart and nominal sensor height of 135 metres above ground level. The results were contoured with a 5 nT interval. The latter survey provided data of similar quality to the earlier Turair one. Although the lines were more widely spaced and the sensor height was greater, the better instrumentation employed allowed a finer contour interval to be used.

4 Magnetic Interpretation

4.1 Data Processing and Presentation

The magnetic data are shown as Plates 1 to 7 and 9. Additional displays of images exist as 35 mm photographic slides and as laminated D-scan paper prints. The contour maps are most useful for indicating the smallest anomalies, and for accurate positioning of all anomalies and other interpreted features. The stacked profiles provide the best display of the relative amplitudes of anomalies and anomaly shape for matching computer generated models. The other images have been filtered to enhance various trends and spectral characteristics, particularly short wavelength features which may be related to faulting.

Geoterrex levelled the data and presented it as 10 nT contours and flight path maps at 1:10000 scale. Some small problems are apparent from 'herring boning' in some areas of the contour maps.

Further levelling and adjustment was applied by Pitt Research. A two dimensional filter was also applied to the grid to remove residual levelling problems which may be due to any of: variations in flying height; variations in bird position relative to the aircraft; non vertical attitude of camera; high frequency diurnal changes; and flight path plotting errors.

The two-dimensional filter was designed to attenuate features with wavelengths less than 300 metres in the north-south direction, and having long wavelengths in other directions (flight line sausages). This filter also slightly reduced the amplitude of some other high frequency features, as can be seen from a comparison of the grid profiles and the stacked profiles. The application of this filter was considered necessary to allow acceptable contouring at a finer interval, and also to allow high pass filtering necessary to accentuate linear features due to faulting.

Pitt Research Pty Limited produced the following products:
- 10 nT and 2 nT contour maps at 1:25000 scale
- 100 nT/cm and 500 nT/cm stacked profiles
- 100 nT/cm grid profiles
- flight path map
- image prints at 1:50,000 scale
- 35 mm slides of images

First and second horizontal difference bipole maps were produced by RGC Exploration in the Canberra office using various amplitudes and scales and after various low pass filters. The products were presented as stacked profiles at 1:25,000 scale.

The distribution of total magnetic intensity, residual magnetic intensity, and altitude readings are summarised as tables in Appendices A.1, A.2, and A.3 respectively.

4.2 Physical Properties

Howland-Rose (1972) measured magnetic and electrical properties of drill core samples of Renison ore and host rocks. The results are summarised in Table 1 below. These tests indicated the Renison orebodies to be some of the most conductive recorded, and were used to justify the use of extensive Turair surveying in the area in 1972.

Table 1 Physical Properties of Rocks and Ores (after Howland-Rose, 1972)

Rock unit name	No. of samples	Conductivity (mhos/m)	Susceptibility (cgs*10^6)
Argillite	12	108	2261
Argillite (or Red Rock)	1	55	1000
Basic Dyke	1	0	500
Bassett ore	11	8289	1573
Crimson Creek Argillite	14	44	2355
Dalcoath Quartzite	15	63	1552
Dolomite	2	0	26
Federal ore	5	11537	3326
gabbroic intrusion	2	0	43
Howard (No 3)	1	7692	15000
No 2 Horizon	7	4038	753
No 2 Horizon - Murchison	4	1002	685
No 2 Horizon Ore	4	36571	1005
No 3 Horizon	3	2384	6150
North Stebbins (No 2)	3	31881	1063
N. Bassett orezone	8	2925	12393
Penzance No 3	1	48718	4500
Penzance O. B. (No 2)	1	53846	2300
Red Rock	14	231	1497
Renison Bell Shale	17	1128	4213
Renison Bell Shale/Dalcoath Q'zite	4	9	70
shear 'L'	3	3990	5933
shear 'P'	1	84102	1100
siltstones, N. Bassett structure	1	0	40
South Stebbins (No 2)	2	4914	790
S. Bassett orezone	2	3469	2800
talc and dolomite	1	0	22

Clark (1984) has measured the magnetic properties of 56 rock and ore samples collected from the surface and sub-surface within the area of the Renison mining lease. The results are summarised in Table 2. The quartz-porphyry, spilites, and unhornfelsed sediments are very weakly magnetic and should have little expression in magnetic surveys. The hornfels sample has an intense remanence in spite of its relatively low susceptibility and suggests that quite small porphyry and granite intrusions may be detectable in local magnetic surveys due to the strong response of their baked contact zones. Although there was considerable scatter in the directions of natural remanent magnetisation (NRM), directions with steep negative inclinations predominate. The average susceptibility of fourteen samples collected from massive ore zones is about 7000 * 10^{-6} cgs units. The effective remanent magnetisation is in the same general sense as the induced magnetisation and about twice as strong.

Table 2 Magnetic Properties of Rocks and Ores (after Clarke, 1984)

Rocktype	Number of samples	Susceptibility cgs emu * 10^6	NRM intensity microgauss (=0.1 nT)
Quartz porphyry	2	2	1
Hornfels	1	240	7450
Gabbro	4	155	2887
Crimson Creek Formation	1	37	1
Dundas sediment	2	20	<1
Spilite	6	50	8
Ultramafic	3	6527	22850
Serpentinised ultramafic	10	3574	7169
Weathered Ultramafic	1	36	3
No 2 dolomite	4	138	85
No 2 ore	2	3555	3820
Dalcoath Member	1	1800	7340
No 3 ore	6	5673	4058
Federal ore	3	11583	51380
Melba ore	2	7885	12195
Mineralised Renison Bell Member	1	2640	2520
Mineralised Red Rock Member	1	7120	8300
Dolerite	2	165	1475
Red Rock Member	4	46	25
All ore samples	14	7034	15630

4.3 Magnetic Sources

Magnetic anomalies over triaxial ellipsoid models have been computed to indicate the characteristics of anomalies over targets in the Renison mine area. The target size varies in size from 50 * 25 * 10 metres to 250 * 100 * 20 metres. The targets may have dips of 20 to 30 degrees, corresponding to replacement ore bodies, or they may have dips of 70 to 80 degrees corresponding to fault ore bodies. The targets are massive or semi-massive sulphides with at least 20 percent pyrrhotite and having significant susceptibility and density contrasts.

Using a susceptibility contrast of 0.007 cgs units (0.088 SI units) and assuming the remanent component to be twice the amplitude of the induced component and in the same direction, the smaller of the ore bodies described above would produce an anomaly with peak amplitude of 0.1 nT at a depth of 500 metres below the ground surface, and about 30 nT if close to the surface. The larger body would produce anomalies of amplitude 3 and 500 nT at depths of 500 and 0 metres respectively. These amplitudes correspond to a flying height of 80 metres above ground level. Maximum amplitudes are shown for various tonnages of ore and burial depth in Table 3. Varying the dip of a body buried 100 metres has negligible effect on the anomaly amplitude.

Table 3 Magnetic Anomaly Amplitudes over Ellipsoids

Depth to centre (m)	Maximum anomaly amplitude (nT) over various size bodies 50*25*10 m 25000 t	150*50*15 m 445000 t	250*100*20 m 1000000 t
0	27.5	180.5	492.2
50	7.0	53.88	181.2
100	2.7	22.01	82.2
200	0.72	6.21	25.52
300	0.29	2.53	10.75
400	0.14	1.27	5.48
500	0.08	0.73	3.15

4.4 Magnetic Anomalies

All anomalies are located on Plate 10 and their characteristics are listed in Appendix B. Those anomalies which are recommended for further attention are marked with an asterisk in Appendix B. Any special characteristics or other information about anomalies is described in the following section. Anomalies are tabulated and described in roughly the same order - numerically within each major grouping. The positions of some anomalies have checked on navigation photos (November 84) to define any possible cultural sources. The flight path recovery film could be used for a more up-to-date check.

In Appendix B, the length and width dimensions correspond to points at half amplitude or maximum slope points on the major and minor axes. The interpreted depths in Appendix B are based on rule-of-thumb methods and should not be given too much emphasis. Ground magnetic data and modelling are necessary to determine accurate depths.

4.5 EL 42/87 Zeehan

4.5.1 Anomalies

Most anomalies are very low amplitude, except for those in the southwest corner 375 (70 nT), 376 (100 nT), 377 (200 nT), 378 (1000 nT).

Many of the small anomalies to the east and northeast of Zeehan town have a cultural origin.

Anomalies 363, 364, and 365 are close to the Brickfield's Fault.

Anomaly 364 is over a cleared area and is probably of cultural origin.

Anomaly 365 corresponds to tanks on the southern end of King Hill.

Anomalies 368, 369, and 370 are all close to intersections of the Despatch Fault with other mapped faults. Anomaly 370 occurs over Crimson Creek Form and is recommended for further investigation.

Anomalies 371, 372 are over Zeehan Western and Oonah mines respectively. The anomalies may reflect mineralisation or mining equipment. These anomalies each occur only on one flight line. A possible trend extends from anomalies 372, 371 then to 368, 367,

and 366. However, the flight line spacing is too large to confirm this.

Anomaly 373 is a very small but persistent linear anomaly. The southern half is coincident with a mapped fault, and so indicates that the mapped fault extends further to the north-northwest to the northern edge of, and beyond, the edge of EL 42/78.

Anomaly 375 in not in EL 42/87. It occurs over an equivalent of the Crimson Creek Formation at Queen Hill and is possibly associated with the Severn ore body.

Anomaly 376 extends to the south of EL 42/78. Bishop (1984) has modelled the main Stonehenge magnetic anomaly and shown the presence of several shallow sources above the main intrusive? source.

The 1982 DIGHEM survey covered the area of anomalies 376, 377, and 378 and defined several sub-parallel linear conductive zones trending west-northwest. Bishop (1982) states "Although parallel to the area's dominant fault direction and cutting across many bedrock strike directions, the likely source of the zones is a series of graphitic shales whose graphite content varies along strike and down dip (thus giving rise to anomalies of varying amplitudes with interpreted sources of varying conductances and depths).

"If the interpretation of graphitic shales is geologically unacceptable, a possible explanation for the zones is highly conductive groundwater concentrated along a series of faults or fractures; the high conductivities arising from the widespread occurrence of sulphides. But it is noteworthy that no responses were reported over the area's two most prominent faults: the Balstrup and Tenth Legion faults."

Anomaly 377 corresponds to mapped gabbro outcrop near the South Comstock mine.

Anomaly 378, at McIvor Hill, extends further west and then northwest on the Mines Department survey. This anomaly is recommended for follow-up.

Anomaly 379 is partly obscured by the gradient due to anomaly 378. There may also be other smaller anomalies in this area of relatively strong gradient. Anomaly 379 lies over the Sylvester Mine on the Sylvester Fault.

Anomaly 380 is a broad linear anomaly trending north-northwest, and co-linear with a low amplitude linear extending to anomaly 376.

Anomaly 382 is a broad anomaly of similar amplitude and depth to 380.

The following anomalies are outside of EL 42/87 (Zeehan).

Anomaly 354 is on the Zeehan Highway and coincides with a power transmission line pylon.

Anomaly 353, 355, and 356 probably have cultural origins. Anomaly 356 is on the Zeehan Highway.

Anomalies 357, 358, 359, and 360 are all along the old Emu Bay railway line.

Anomaly 363 is close to the Brickfield's Fault.

Anomaly 374 (in Aberfoyle's ground) occurs over a fault with pyrite replacing pyrrhotite.

4.5.2 Lineaments

Anomaly 373 defines a very low amplitude but very persistent north-northwest lineament.

Anomalies 376 and 380 define another low amplitude north-northwest lineament.

5 Recommendations

1 Specific anomalies which are recommended for further investigation are listed below, along with their coordinates. A complete list of anomalies and their characteristics is given as Appendix B.

Ref no.	AMG coords East	North
370	360710	5366650
378	357250	5360930
379	358310	5361300

2 In all cases, high resolution ground magnetics and detailed computer modelling is necessary to define targets for testing by drilling. The ground magnetic surveys should be designed with lines perpendicular to strike (if practicable) and extending beyond the anomaly far enough to allow accurate definition of the background field, and with sufficient lines to define the strike and anomaly maximum. It is recommended that ground magnetic surveys be conducted along lines spaced 50 metres apart with readings spaced no more than 10 metres apart.

3 Previous detailed geophysics, geology, and drilling should be taken into account before further work is undertaken on any magnetic anomalies.

4 The magnetic data presentations and interpretation plates should be used to assist future mapping, geological interpretation, and exploration work. The routine use of susceptibility meters to assist field mapping is suggested.

5 Ground electromagnetic techniques should be considered as a means to differentiate near surface conductors from other magnetic sources.

6 Downhole geophysical techniques should be considered in drillholes where anomalies have been targeted but have not been satisfactorily explained by core logging.

6 References

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Wyatt, B.W., 1990c, Interpretation of Aeromagnetic data from EL's 101/87 (Dundas), 13/88 (Moores Pimple). Unpublished Report by Wyatt & Associates for RGC Exploration Pty Limited.

Wyatt, B.W., 1990d, Interpretation of Aeromagnetic data from Renison Mine Lease. Unpublished Report by Wyatt & Associates for RGC Exploration Pty Limited.

Zeletic, 1985, Geological Report on EL 5/63. Unpublished Report for Comstaff Pty Limited.

In addition to the above references, information has also been obtained from various maps, sections, and drill logs produced by various Renison Bell mine geologists, and from communications with Jonathan Lea (Renison Mine) and Stephen Mudge, John Crossing, and Mark Fleming (all RGC Exploration).

APPENDIX A Frequency Distribution of Data

A.1 Frequency Distribution - Total Magnetic Intensity

Class interval (nT)	Frequency distribution Relative	Cumulative
61122 to 61245	86	86
61245 to 61368	133	219
61368 to 61490	487	706
61490 to 61613	641	1347
61613 to 61736	1129	2476
61736 to 61859	2677	5153
61859 to 61981	8752	13905
61981 to 62104	19872	33777
62104 to 62227	41840	75617
62227 to 62350	152180	227797
62350 to 62472	148455	376252
62472 to 62595	38582	414834
62595 to 62718	11382	426216
62718 to 62841	4874	431090
62841 to 62963	2696	433786
62963 to 63086	1859	435645
63086 to 63209	1207	436852
63209 to 63332	1005	437857
63332 to 63454	897	438754
63454 to 63577	797	439551
63577 to 63700	605	440156
63700 to 63823	499	440655
63823 to 63945	381	441036
63945 to 64068	334	441370
64068 to 64191	303	441673
64191 to 64314	500	442173
64314 to 64436	511	442684
64436 to 64559	500	443184
64559 to 64682	366	443550
64682 to 64805	309	443859
64805 to 64927	320	444179
64927 to 65050	333	444512
65050 to 65173	353	444865
65173 to 65296	296	445161
65296 to 65418	279	445440
65418 to 65541	232	445672
65541 to 65664	171	445843
65664 to 65787	128	445971
65787 to 65909	228	446199
65909 to 66032	143	446342
66032 to 66155	112	446454
66155 to 66277	81	446535
66277 to 66400	41	446576
66400 to 66523	12	446588
66523 to 66646	19	446607
66646 to 66768	8	446615
66768 to 66891	14	446629
66891 to 67014	15	446644
67014 to 67137	20	446664
67137 to 67259	20	446684

A.2 Frequency Distribution - Residual Magnetic Intensity

Class interval (nT)	Frequency distribution Relative	Cumulative
883 to 1006	99	99
1006 to 1129	168	267
1129 to 1251	534	801
1251 to 1374	716	1517
1374 to 1497	1346	2863
1497 to 1620	3384	6247
1620 to 1742	11791	18038
1742 to 1865	21873	39911
1865 to 1988	104881	144792
1988 to 2111	187319	332111
2111 to 2233	71969	404080
2233 to 2356	17607	421687
2356 to 2479	7321	429008
2479 to 2602	3476	432484
2602 to 2724	2147	434631
2724 to 2847	1639	436270
2847 to 2970	1135	437405
2970 to 3093	905	438310
3093 to 3215	851	439161
3215 to 3338	674	439835
3338 to 3461	563	440398
3461 to 3584	430	440828
3584 to 3706	360	441188
3706 to 3829	342	441530
3829 to 3952	337	441867
3952 to 4075	551	442418
4075 to 4197	522	442940
4197 to 4320	436	443376
4320 to 4443	324	443700
4443 to 4566	307	444007
4566 to 4688	336	444343
4688 to 4811	331	444674
4811 to 4934	334	445008
4934 to 5057	268	445276
5057 to 5179	236	445512
5179 to 5302	198	445710
5302 to 5425	159	445869
5425 to 5548	176	446045
5548 to 5670	218	446263
5670 to 5793	125	446388
5793 to 5916	98	446486
5916 to 6039	65	446551
6039 to 6161	25	446576
6161 to 6284	12	446588
6284 to 6407	19	446607
6407 to 6530	8	446615
6530 to 6652	14	446629
6652 to 6775	16	446645
6775 to 6898	20	446665
6898 to 7021	19	446684

424479

A.3 Frequency Distribution - Radar Altimeter

Class interval (metres)	Frequency distribution Relative	Cumulative
52 to 57	70	70
57 to 63	110	180
63 to 68	460	640
68 to 73	950	1590
73 to 78	2352	3942
78 to 83	5471	9413
83 to 88	11678	21091
88 to 94	22509	43600
94 to 99	35242	78842
99 to 104	43435	122277
104 to 109	49636	171913
109 to 114	51139	223052
114 to 120	47639	270691
120 to 125	40375	311066
125 to 130	32037	343103
130 to 135	25956	369059
135 to 140	20020	389079
140 to 146	14959	404038
146 to 151	13687	417725
151 to 156	19164	436889
156 to 161	6981	443870
161 to 166	2071	445941
166 to 172	542	446483
172 to 177	110	446593
177 to 182	0	446593
182 to 187	30	446623
187 to 192	10	446633
192 to 198	10	446643
198 to 203	0	446643
203 to 208	0	446643
208 to 213	0	446643
213 to 218	0	446643
218 to 224	0	446643
224 to 229	0	446643
229 to 234	0	446643
234 to 239	0	446643
239 to 244	0	446643
244 to 249	0	446643
249 to 255	0	446643
255 to 260	0	446643
260 to 265	10	446653
265 to 270	0	446653
270 to 275	0	446653
275 to 281	0	446653
281 to 286	0	446653
286 to 291	0	446653
291 to 296	10	446663
296 to 301	10	446673
301 to 307	0	446673
307 to 312	11	446684

Appendix B Magnetic Anomaly Coordinates

Anomalies which are considered to have the highest priority for further investigation are indicated by an asterisk (*) next to the coordinates.

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length, width		Depth (metres)	
364	362640	5362130	5	150	100	0	Cultural?
365	362270	5361840	30	150	100	25	Cultural?
367	361520	5364040	1	100	100	-	
368	361201	5363380	4	500	100	0	
369	360860	5364940	2	800	150	-	
370	360710	5366650*	10	500	200	0	
371	360520	5362970	5	250	100	0	
372	360300	5362650	5	400	100	0	
373	359900	5365000	2	5000	100	0	
375	359850	5360600	70	250	250	5	
376	359150	5359950	100	400		-	
377	357100	5360150	200	250	200	0	
378	357250	5360930*	1000	650	500	90	
379	358310	5361300*	50	250	250	0	
380	358300	5364150	10	2000	250	250	
381	356950	5365280	12	250	150	-	
382	357600	5366300	15	1200	400	300	
383	360200	5365700	1	100	100	-	

The following anomalies lie outside of the boundary of EL 42/87 Zeehan

Ref no.	AMG coords East	North	Ampl. (nT)	Dimensions length, width		Depth (metres)	
352	363970	5360870	1	150	100	-	Cultural?
353	363300	5360750	1	200	100	0	Cultural?
354	363440	5361200	10	250	100	0	Cultural?
355	363820	5361270	1	100	100	-	Cultural?
356	364000	5361600	2	150	150	-	Cultural?
357	363190	5361920	1	400	100	-	Cultural?
358	363500	5362300	1	400	100	-	Cultural?
359	363760	5362500	0.5	150	100	-	Cultural?
360	364040	5362580	0.5	300	100	-	Cultural?
361	363890	5362800	0.5	200	100	-	Cultural?
363	363280	5363120	0.5	1100	100	-	Cultural?
366	362050	5364540	1	300	100	-	
374	360620	5361840	40	300	300	0	Queen Hill

424431

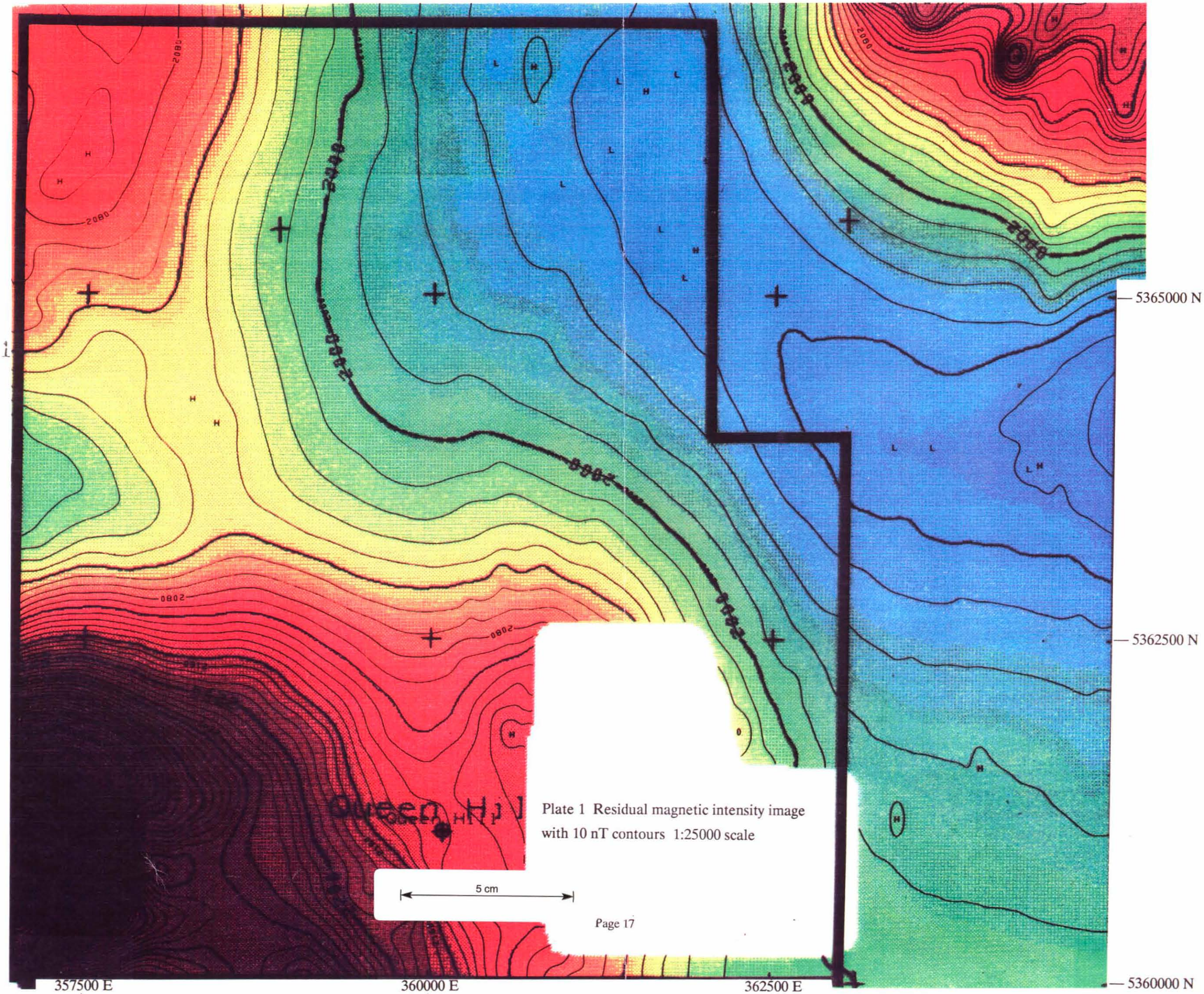


Plate 1 Residual magnetic intensity image with 10 nT contours 1:25000 scale

424432

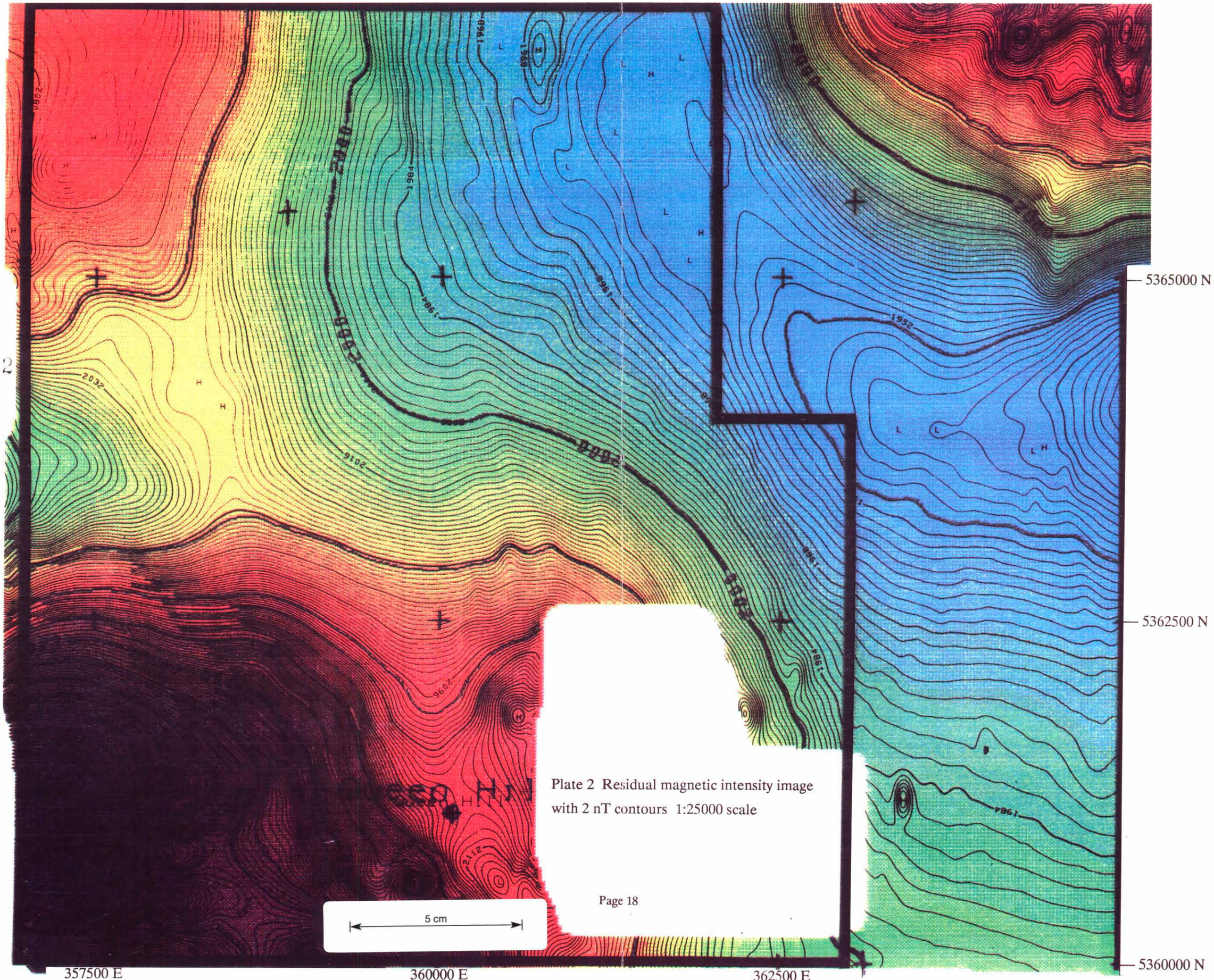


Plate 2 Residual magnetic intensity image with 2 nT contours 1:25000 scale

424433

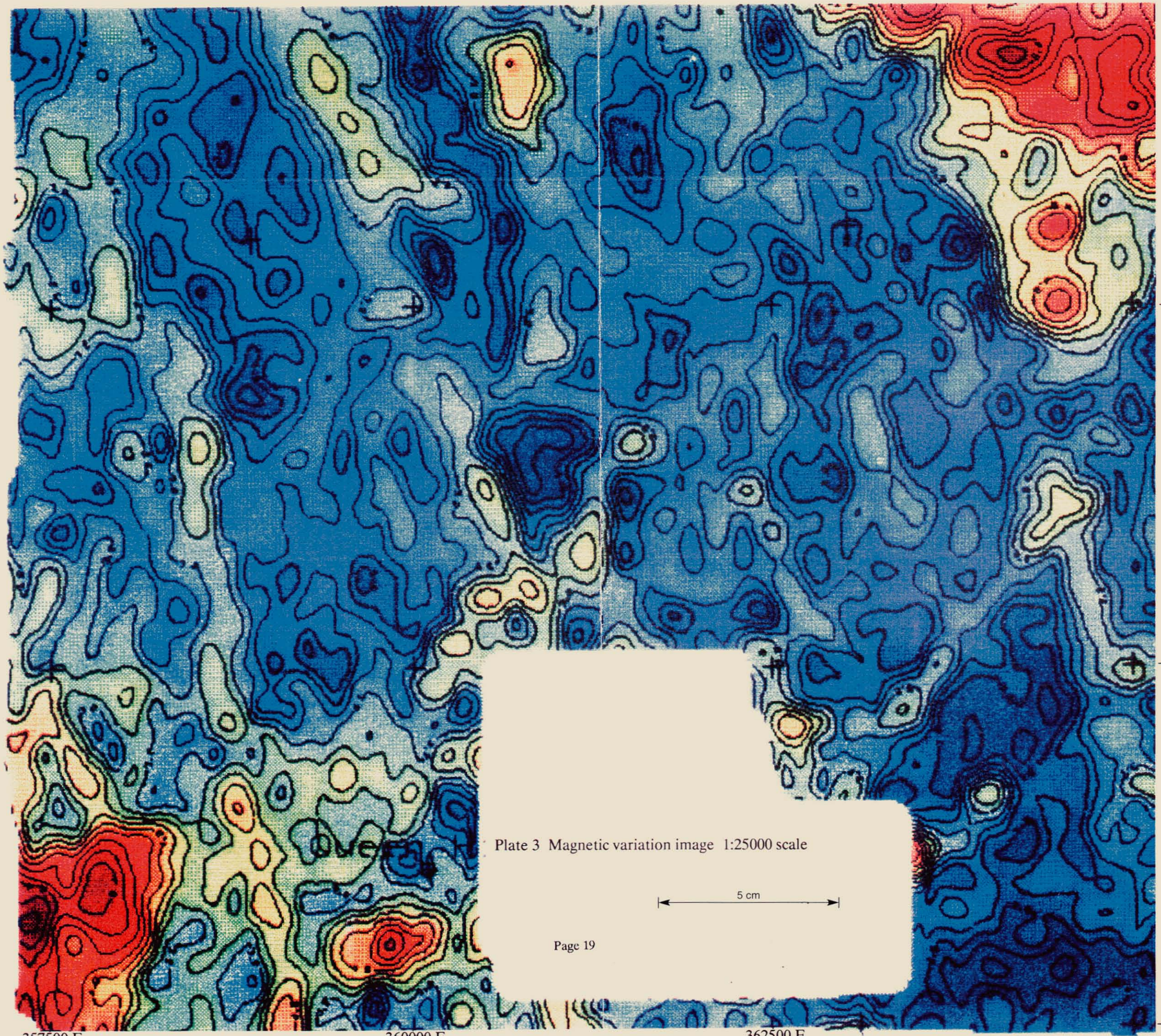


Plate 3 Magnetic variation image 1:25000 scale

5 cm

424434

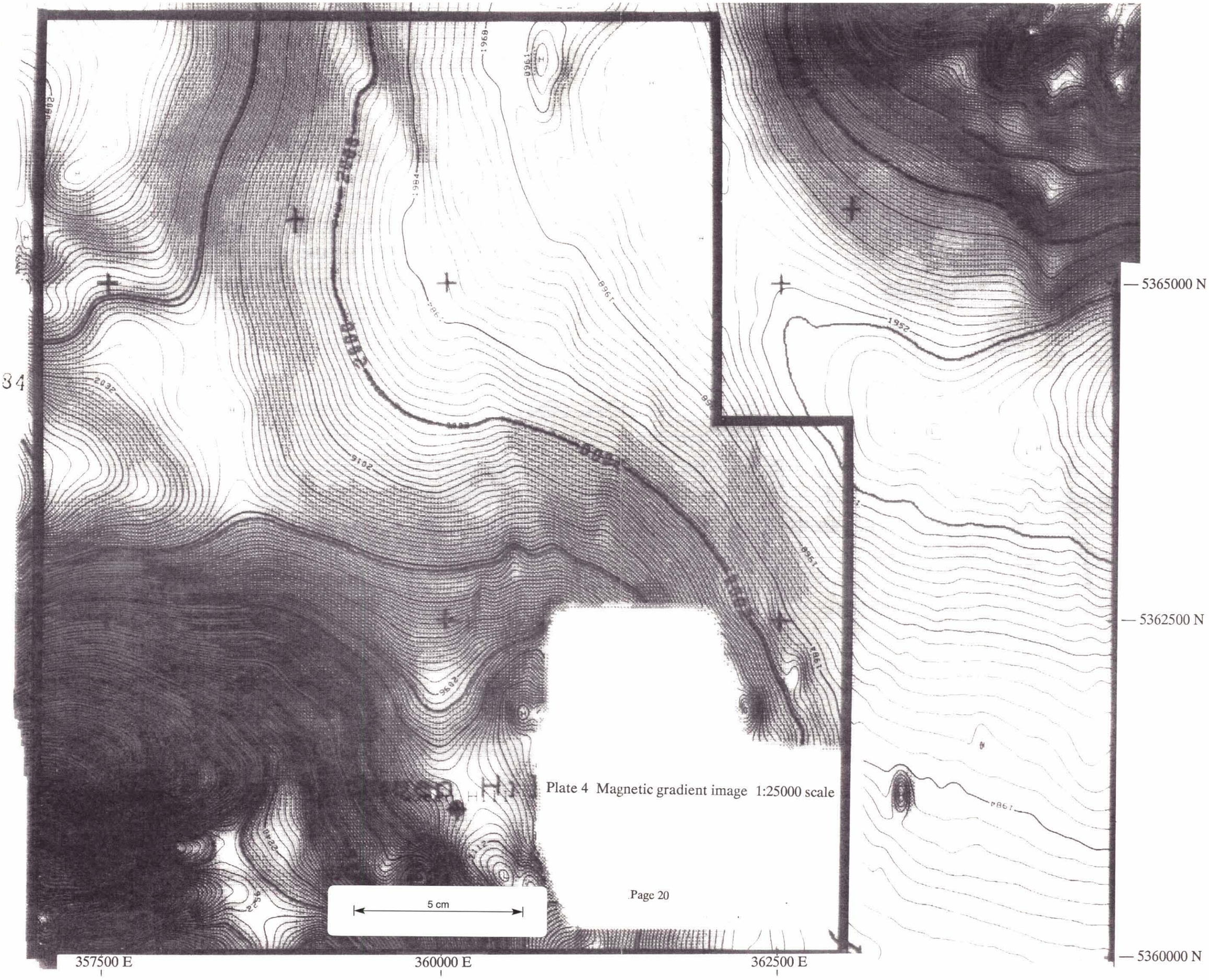


Plate 4 Magnetic gradient image 1:25000 scale

424435

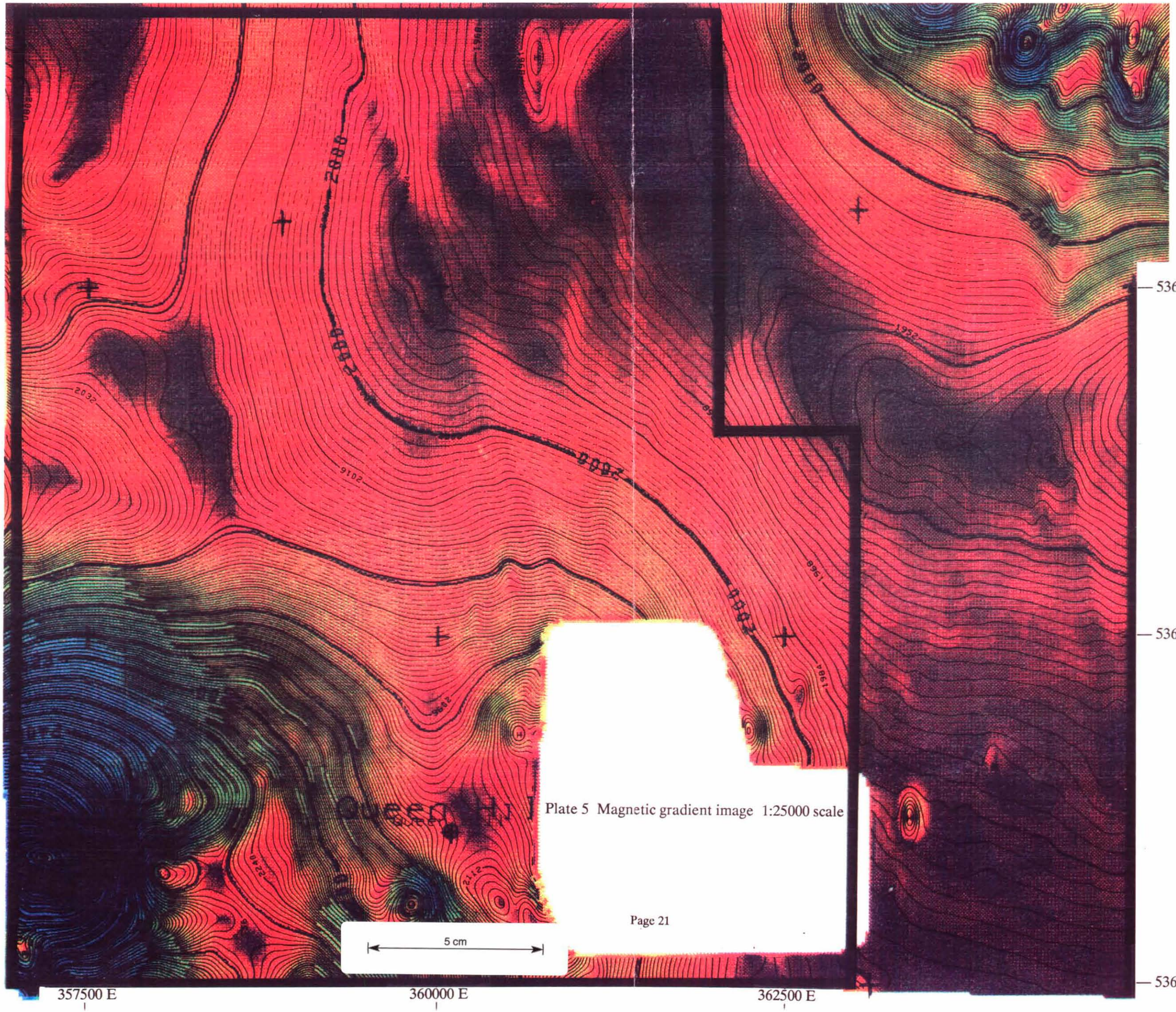


Plate 5 Magnetic gradient image 1:25000 scale

224456

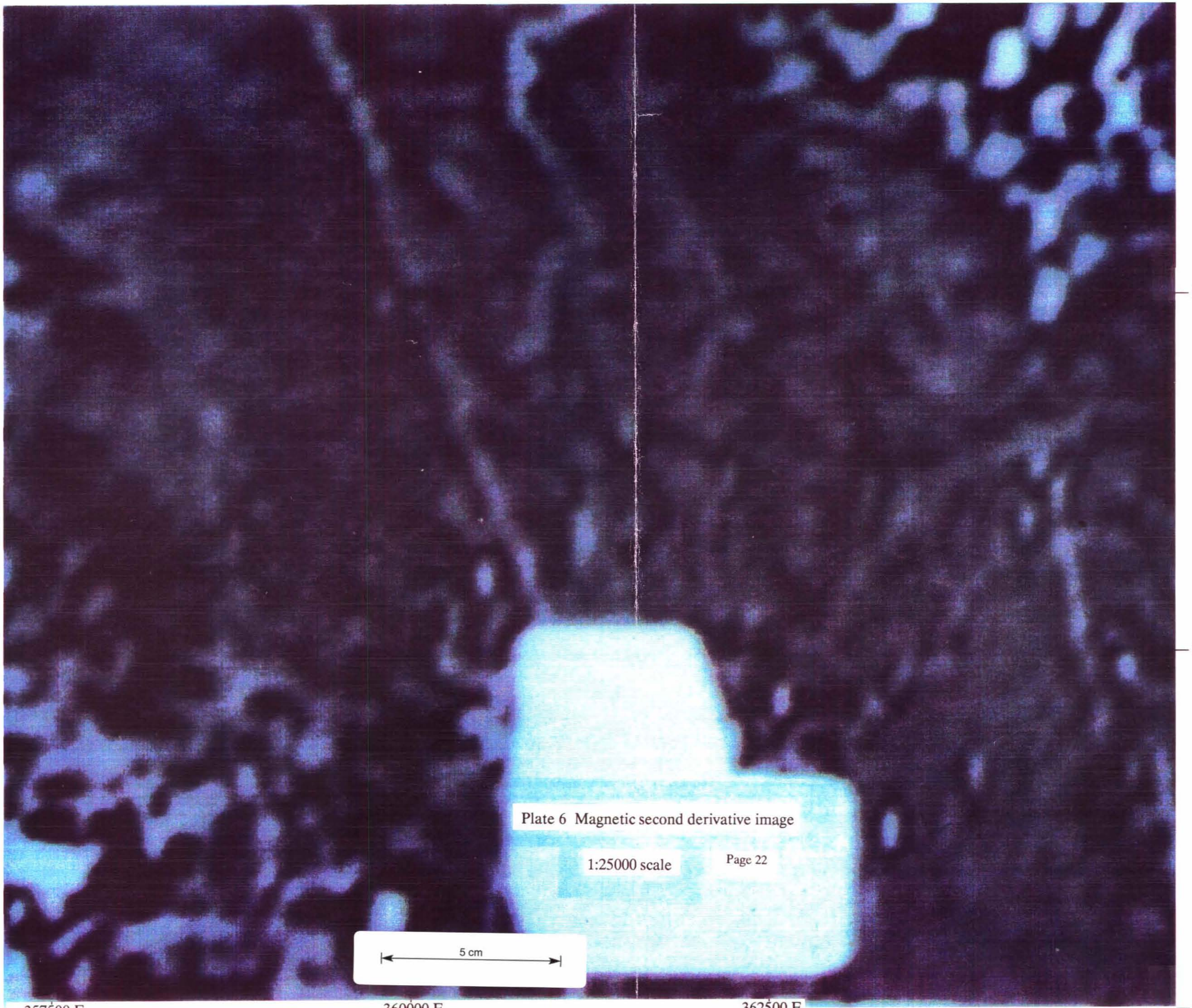
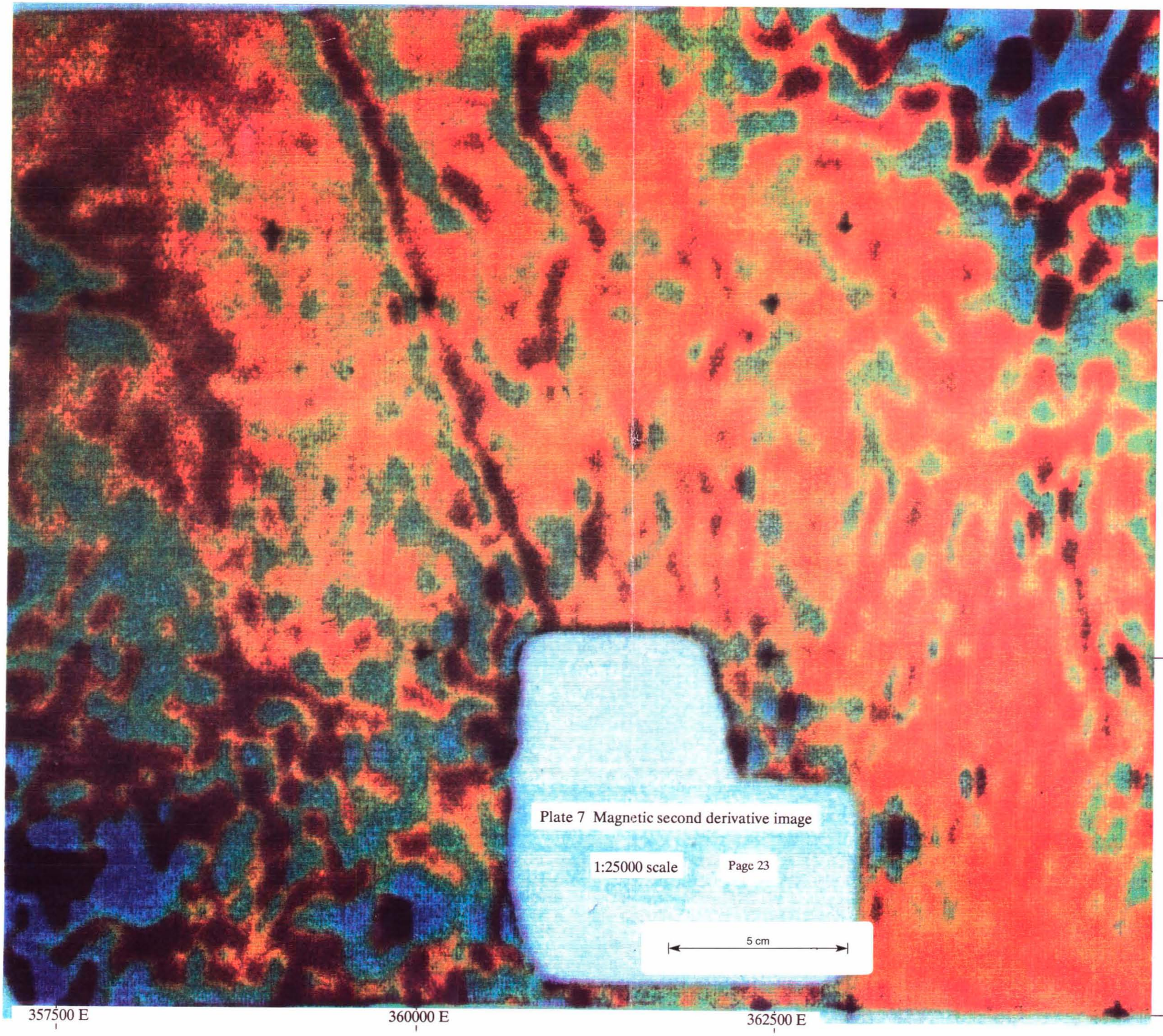
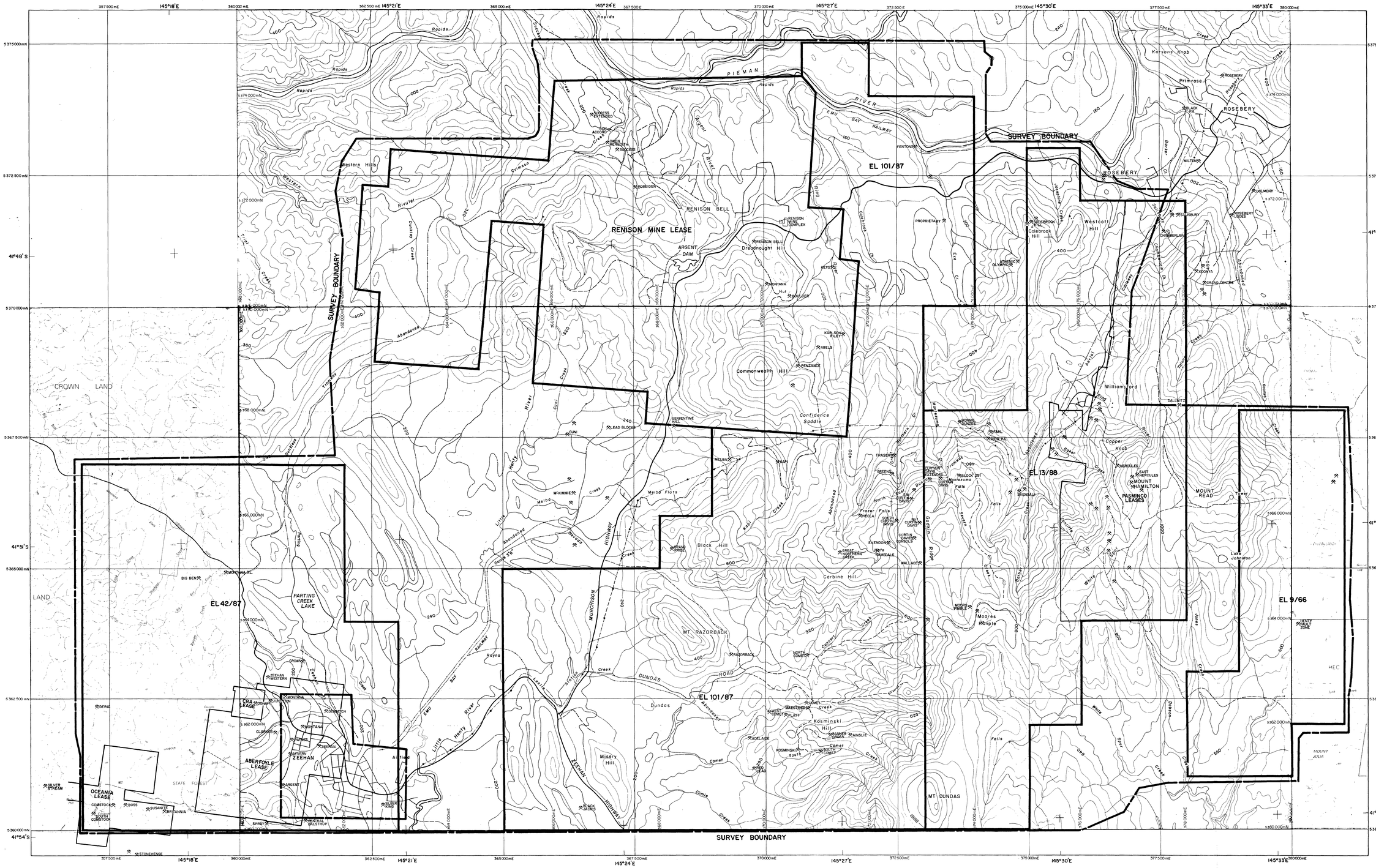


Plate 6 Magnetic second derivative image

1:25000 scale

4244437


5365000 N
5362500 N
5360000 N
357500 E
360000 E
362500 E
Plate 7 Magnetic second derivative image
1:25000 scale
Page 23
5 cm



90-3200. 424488

RGC EXPLORATION PTY. LIMITED		
INCORPORATED IN NEW SOUTH WALES		
	COMPILED	B.W.W.
	DRAWN	L.D.K.
	DATE	MAR.,1990
	CHECKED	B.W.W.
	1:250,000 Reference	
ZEEHAN / RENISON MINE LEASE		
LOCATION PLAN		
5 cm		
BASE PLAN No.		
OVERLAY PLAN No.		
SCALE 1:25,000	m 0 250 500 750 1000 1500 m.	Plate 8

5370 000mN
357 500mE
145°18'E
360 000mE
145°20'E
362 500mE
145°22'E
5370 000mN

RENISON MINE LEASE

5367 500mN
41°50'S

SURVEY BOUNDARY

EL 42/87 ZEEHAN

2100
2000

5365 000mN

SURVEY BOUNDARY

EL 42/87 ZEEHAN

41°52'S

CRA LEASE

ABERFOYLE LEASE

OCEANIA LEASE

2200
2300
2400

5362 500mN

SURVEY BOUNDARY

EL 42/87 ZEEHAN

5360 000mN
41°54'S

90-3200.

AIRBORNE SURVEY SPECIFICATIONS

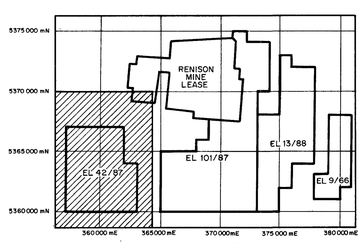
MAGNETOMETER	Cesium Vapour optical absorption. Sensitivity : 0.05 nT
RECORDING INTERVAL	0.1 sec (approx 5m sampling) @ mean ground speed of 180 km/hour
DATA RECORDING	Geoterrex MADACS acquisition system. Digital to magnetic tape.
NOMINAL TERRAIN CLEARANCE	Sensor in towed bird below helicopter at 75 m.
NOMINAL LINE SPACING	Traverse lines 150 m. Tie Lines 1.5 km.
FLIGHT PATH NAVIGATION	Visual using 1:15,000 black and white enlargements of high level photography.
FLIGHT PATH RECORD	Automax 35mm continuous tracking camera

RESIDUAL MAGNETIC CONTOURS

Grid notation refers to Australian Map Grid Zone 55	
Magnetics	:Tieline levelled
IGRF (1985)	:Removed, datum 2000 nT added
Grid mesh size	:25 x 25 metres
Contour interval	:10,100,1000 nT

TN MN 12.7°

SHEET INDEX



424489

5 cm

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	B.W.W.	EL 42/87 ZEEHAN
DRAWN	L.D.K.	RESIDUAL MAGNETIC CONTOURS
DATE	APRIL, 1990	
CHECKED	B.W.W.	
Reference		

BASE PLAN No.
OVERLAY PLAN No.

SCALE 1:10,000 m.0 100 200 300 400 600m.

PLATE 9

475

5370 000mN
357 500mE
145°18'E
360 000mE
145°20'E
362 500mE
145°22'E
5370 000mN

RENISON MINE LEASE

5367 500mN
41°50'S

SURVEY BOUNDARY

EL 42/87 ZEEHAN

382 (300)
382
370 (0)
373
383
381
380
369
366
367
373 (0)
368 (0)
363
371 (0)
372 (0)
363
361
359
360
358
364 (0)
357
374 (0)
365 (25)
356
354 (0)
355
352
353 (0)
380 (250)
379 (0)
378 (90)
375 (5)
377 (0)
376

5365 000mN
SURVEY BOUNDARY
41°52'S
5362 500mN

CRA LEASE

ABERFOYLE LEASE

EL 42/87 ZEEHAN

SURVEY BOUNDARY

OCEANIA LEASE

EL 42/87 ZEEHAN

5360 000mN
41°54'S
SURVEY BOUNDARY

357 500mE
145°18'E
360 000mE
145°20'E
362 500 mE

90-3200

424490

LINEAR ANOMALIES
DISCRETE SOURCES
COMPLEX ZONE
(120) INTERPRETED DEPTH
32 ANOMALY REFERENCE NUMBER
LINEAMENT

SHEET INDEX

5375000 mN
5370 000 mN
5365000 mN
5360000 mN
RENISON MINE LEASE
EL 42/87
EL 101/87
EL 13/88
EL 9/66
360000mE
365000mE
370000mE
375000mE
380000mE

RGC EXPLORATION PTY. LIMITED
INCORPORATED IN NEW SOUTH WALES

COMPILED	B.W.W.	EL 42/87 ZEEHAN
DRAWN	L.D.K.	MAGNETIC INTERPRETATION
DATE	APRIL, 1990	5 cm
CHECKED	B.W.W.	
1 250,000 Reference		

BASE PLAN No.
OVERLAY PLAN No.

SCALE 1:10,000 m 0 100 200 300 400 600m.

PLATE 10

424491

APPENDIX 7

Geological Notes on Sylvester and Parting Lake Grids

(D.S. Simpson)

424492

Appendix

Rock-type descriptions

for

Zeehan E.L. mapping

covering Sylvester and Parting Lake Grids

Oonah Quartzite and Slate (The Cambrian)

Quartzite

This is generally an equigranular rock fine-grained with quartz usually about 0.5mm diameter. Variations occur from a saccharoidal massive rock to micaceous, the most common being a slightly micaceous quartzite. Weathers to a whitish exterior suggesting feldspar or clay contact.

Slate

Generally light to dark grey micaceous rock - low state of metamorphism. Shows a well developed schistosity. Grades upwards to phyllite.

Phyllite

Highly cleaved equivalent of the siltstone or slate seen elsewhere. Well developed in the Comstock area where lustrous cleavage planes are developed. Intensity of cleavage development appears to increase towards the south.

Siltstone

Usually dark grey to black fine-grained massive to thinly-bedded rocks which alter-pale with quartzite beds. Often tough but also strongly weathered in some locations to a silty clay.

In this weathered state small samples can be confused with some Crimson Creek rocks.

Spilite

These rocks are a darker greenish-grey when fresh, usually displaying a distinct vesicular texture with vesicles up to 2 or 3 mm diameter. Groundmass is generally fine with textures invisible to the naked eye.

In the weathered state this rock is predominantly a yellow-brown clay but often displaying dark vesicular fillings.

Where no vesicular textures are developed the weathered rock is difficult to distinguish in the field from some of the weathered Cambrian Crimson Creek sequence. Both form an orange-yellow clay.

The rock is occasionally pyritic for example near the workings between the Tasmanian Tram and the Comstock tailings dam.

Limestone/Dolomite

This is light grey, generally massive rock which is locally re-crystallised in the Comstock area. In the North Comstock area the rock is strongly talc altered. Sulphide mineralisation consisting of pyrite, sphalerite and galena is locally abundant in the carbonates.

Shale

Dark grey to black sometimes grapnitic - developing a weak cleavage. Trace syngenetic pyrite locally developed.

When weathered these shale often appear to be a buff or off-white colour.

With higher metamorphic grades to slate.

Cambrian Rocks

Crimson Creek - Cc.

In the fresh state these rocks are predominantly dark grey or dark brown tuffaccous sandstones and siltstones. In the weathered state they form a yellowish-brown to pinkish brown stiff clay. When partly weathered the rocks display few visible bedding features.

Cg - Gabbro

This is predominantly a coarse-grained crystalline rock composed largely of plagioclase and hornblends - the rock is occasionally chloritised - Occasional hand specimens are magnetic.

Fine grained textures are developed close to the contact with the Oonah Quartzite.

Permian Rocks

Tillite

This is a fine-grained light grey silty rock with a minor clay component. Generally massive. Dropstones are predominantly quartz.

APPENDIX 8

Drill Logs

R.G.C. Exploration Pty Ltd
ZEEHAN

SURFACE DIAMOND DRILLHOLE : SY001

PROJECT IDEN : ZEEHAN
START DATE : 8 MAR 90
COMPLETION DATE :
LOGGED BY:DAVID JOHN CROSSING
COLLAR NORTHING: 60200.00
COLLAR EASTING : 57540.00
COLLAR ELEVATION: 295.00
GRID AZIMUTH : 0.00
DRILLED BY :D.D.T
TOTAL LENGTH : 193.00
CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		210.00	-62.00	60200.00	57540.00	295.00
001	54.00		210.00	-62.00			
002	99.00		213.50	-67.00			
003	193.00		211.50	-65.00			

R HED THIS HOLE WAS DRILLED IN 1989 BY MINSTOCK MINING AND HANDED
R HED OVER TO RGC EXPLORATION IN FEBRUARY 1990, UNDER THE CONDITIONS
R HED OF AN OPTION TO PURCHASE ML 123M/47, ON WHICH THE HOLE WAS
R HED COLLARED.
R HED UNTIL THAT DATE, THE HOLE HAD NEITHER BEEN LOGGED OR ASSAYED.
R HED THE EXACT LOCATION OF THE HOLE CANNOT BE DETERMINED, AS THE
R HED COLLAR LOCATION HAS NOW BEEN REHABILITATED.
R HED THE HOLE WAS DRILLED TO TEST FOR EXTENSIONS TO THE SOUTH OF THE
R HED LINE OF LODES MINED IN COMSTOCK SOUTH OPEN - CUT.
R HED PRECOLLAR , AND LOST TRAY OF CORE

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	0.00	26.90			PRECOLLAR.	
	26.90	29.90	1.3		SILTSTONE: medium gray, graphitic, weathered, laminated, highly broken.	OONAH FM UNDIFFERENT
R	26.90	28.00			GRAPHITIC PATCHES	
R	28.00	29.90			BEDDING (BCA 45 DEGREES)	
	29.90	42.10	4.7		FAULTED SILTSTONE: medium gray, graphitic, weathered, laminated, brecciated, completely broken, 20% quartz veins of, 10% fe-oxides pervasive.	OONAH FM UNDIFFERENT
	42.10	53.00	10.7		SILTSTONE: gray green, bleached, massive, brecciated, stockworked, moderately broken, 20% quartz veins of, 0.1% pyrite disseminations) veins, 2.5% clay veins of, 5% fe-oxides disseminations (veins.	OONAH FM UNDIFFERENT
					44.00- 45.80: 100% ALTERED SILTSTONE: medium dark green, bleached, massive, brecciated, stockworked, moderately broken, 10% quartz stockwork, 0.1% pyrite disseminations) veins, 2.5% clay veins of, 5% fe-oxides disseminations (veins.	OONAH FM UNDIFFERENT

424496

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
	53.00	56.65	3.6		SHEARED SHALE: black, graphitic, drag-folded, brecciated, breccia: 90 degree angle to c.a., 0.1% quartz veins of, 5% pyrite veins of.	OONAH FM UNDIFFERENT
R	53.00	56.65			LOCALLY STRONGLY SHEARED WIH UNDEFORMED LENSES IN A SHEARED	
R	53.00	56.65			MATRIX.OCCASIONALLY BRECCIA ZONES	
	56.65	57.30	0.6		SILTSTONE: pale grey, medium bedded, bedding: 50 degree angle to c.a..	OONAH FM UNDIFFERENT
	57.30	69.25	11.8		SHALE: black, massive, moderately broken, bedding: 40 degree angle to c.a., 1% quartz veins of, 1% pyrite disseminations of.	OONAH FM UNDIFFERENT
R	57.30	69.25			FAINTLY LAMINATED LOCALLY GRAPHITIC,SHEARED NEAR TOP.	
R	57.30	69.25			PYRITE IS SYNGENETIC	
	69.25	70.40	1.1		SHEARED LIMESTONE: palest gray, stylolitic, disrupted bedding, stockworked, fossiliferous, moderately broken, 5% carbonate stockwork, 2.5% pyrite disseminations) veins. 69.25- 70.40: 40% INTERBEDDED SHALE.	OONAH FM UNDIFFERENT
	70.40	84.40	14.0		LIMY SILTSTONE: darker gray, laminated, finely bedded, soft sediment slumping, moderately broken, bedding: 45 degree angle to c.a., 1% carbonate veins of.	OONAH FM UNDIFFERENT
R	70.40	84.40			FINELY INTERBEDDED GREY LIMEY SILTSTONE (WITH BLACK SHALEY	
R	70.40	84.40			LAMINATED) AND LIGHT GREY LIMESTONE.CF RENISON BELL MEMBER	
R	70.40	84.40			(MIDDLE).	
R	70.40	84.40			SOFT - SED. FOLDS ARE SOMETIMES TRUNCATED UPWARDS BY	
R	70.40	84.40			SUCCESSIVE BEDS, INDICATING RIGHT WAY UP	
R	70.40	72.00			PRE - EXISTENT SOFT - SED FOLDS COMBINE WITH DRAG FOLDING	
R	70.40	72.00			RELATED TO FRACTURES, TO PRODUCE CHEVRON TO CONVOLUTE TIGHT	
R	70.40	72.00			FOLDING.	
					70.40- 84.40: 40% FINELY INTERBEDDED LIMESTONE: palest gray.	
			14.0		70.40- 72.00: 50% LIMY SILTSTONE: darker gray, intensely folded, disrupted bedding, stockworked, moderately broken, bedding: 45 degree angle to c.a., fracture set: 15 degree angle to c.a., 0.3% quartz stockwork, 0.3% carbonate stockwork, .03% pyrite disseminations of.	OONAH FM UNDIFFERENT
			14.0		81.90- 83.00: 100% LIMY SILTSTONE: darker gray, microfaults, finely bedded, strongly folded, convolute folds, moderately broken, bedding: 45 degree angle to c.a., 1% carbonate veins of.	OONAH FM UNDIFFERENT
	84.40	85.70	1.3		LIMY SILTSTONE: medium gray, silicified, laminated, strongly	OONAH FM UNDIFFERENT

424497

R.G.C Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY001 (CONTINUED)

	Interval From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					folded, convolute folds, moderately broken, fault: 55 degree angle to c.a., disseminations) veins, 10% carbonate veins of. 84.40- 85.70: 30% FINELY INTERBEDDED LIMESTONE: palest gray, microfaults, drag-folded.	
	85.70	86.30	0.6		ALTERED SILTSTONE: gray brown, remnant bedding, texture obliterated by alteration, moderately broken, 40% quartz patches, 40% carbonate patches, .03% pyrite disseminations of, .03% galena disseminations of, .03% sphalerite disseminations of.	OONAH FM UNDIFFERENT
R	85.70	86.30			INTENSELY ALTERED, TEXTURES OBLITERATED NEAR MIDDLE	
R	85.70	86.30				
			0.6		86.00- 86.20: 100% ALTERED SILTSTONE: darker gray, remnant bedding, texture obliterated by alteration, moderately broken, 40% quartz patches, 40% carbonate patches, 2.5% pyrite disseminations of, 2.5% galena disseminations of, 1% sphalerite disseminations of.	OONAH FM UNDIFFERENT
	86.30	94.20	7.7		SANDSTONE: pale grey, moderately poorly sorted, medium, bedding: 50 degree angle to c.a., basal contact: 45 degree angle to c.a., conformable base, 1% quartz veins of, 1% carbonate veins of.	OONAH FM UNDIFFERENT
	94.20	94.80	0.6		LIMESTONE: light gray, stylolitic, moderately broken, 2.5% carbonate veins of.	OONAH FM UNDIFFERENT
	94.80	95.50	0.7		FAULTED LIMESTONE: very dark gray, brecciated, moderately broken, 1% carbonate veins of. 94.80- 95.50: 10% SHALE.	OONAH FM UNDIFFERENT
	95.50	97.00	1.3		FAULT: very dark gray, laminated, imbricated, highly broken, fault: 80 degree angle to c.a..	
R	95.50	97.00			A MELANGE COMPOSED OF ANGULAR TO LENICULAR FRAGMENTS OF	
R	95.50	97.00			UNDEFORMED ROCK, ROUGHLY ALIGNED OR IMBRICATED , IN A BLACK	
R	95.50	97.00			SHEARED MATRIX.	
R	95.50	97.00			FRAGMENTS ARE SANDSTONE AND QUARTZ	
R	95.50	97.00				
	97.00	100.20	3.8		SANDSTONE: light gray, moderately broken, moderately sphericity, bedding: 40 degree angle to c.a..	OONAH FM UNDIFFERENT
R	97.00	100.20			BCA'S VARY 15-50 DEGRESS	
R	97.00	100.20				
					97.00- 100.20: 10% IRREGULARLY INTERBEDDED SHALE.	

424495

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY001 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	100.20	105.50	4.7		SHALE: laminated, disrupted bedding, moderately broken, bedding: 40 degree angle to c.a., 1% pyrite disseminations of.	OONAH FM UNDIFFERENT
R	100.20	105.50			BCA'S VARY 0-80 DEGRESS	
					100.20- 105.50: 20% IRREGULARLY INTERBEDDED SANDSTONE.	
			4.7		103.60- 104.00: 100% SHALE: graphitic, silicified, laminated, disrupted bedding, strongly folded, moderately broken, bedding: 40 degree angle to c.a., 5% pyrite disseminations of.	OONAH FM UNDIFFERENT
					105.00- 105.20: 100% SHEARED FAULT: fault: 15 degree angle to c.a., 10% quartz in shear/fault, 5% pyrite in shear/fault.	
	105.50	107.10	1.6		FAULT: very dark gray, imbricated, lenticular, moderately broken, fault: 30 degree angle to c.a., 10% quartz in shear/fault, 0.1% pyrite disseminations of, 2.5% clay in shear/fault.	
R	105.50	107.10			ANGULAR TO LENTICULAR SANDSTONE FRAGMENTS IN A SHEARED MATRIX.	
	107.10	116.40	9.3		SILTSTONE: very dark gray, graphitic, lensoid-banded, massive, foliated, moderately broken, cleavage: 35 degree angle to c.a., 0.3% pyrite disseminations of.	OONAH FM UNDIFFERENT
			9.3		108.50- 109.30: 100% SILTSTONE: very dark gray, graphitic, lensoid-banded, massive, foliated, moderately broken, cleavage: 35 degree angle to c.a., 40% carbonate patches, 0.3% pyrite disseminations of.	OONAH FM UNDIFFERENT
			9.3		109.30- 112.50: 100% SILTSTONE: very dark gray, graphitic, disrupted bedding, massive, foliated, moderately broken, cleavage: 35 degree angle to c.a., 5% quartz stockwork, 2.5% pyrite disseminations = veins.	OONAH FM UNDIFFERENT
R	114.80	115.00			THE DOMINANT PENTERATIVE FABRIC (WHICH IS SUB-PARALLEL TO	
R	114.80	115.00			IS CUT BY YOUNGER, WIDELY SPALED CLEAVAGE AT 30 DEGRESS TO C.A.	
R	114.80	115.00			(CRENULATED)	
	116.40	117.20	0.8		VEIN: medium brown, moderately broken, vein: 30 degree angle to c.a., 70% quartz veins of, 10% pyrite disseminations of, 0.3% galena veins of, 1% sphalerite veins of.	
	117.20	118.40	1.2		ALTERED SILTSTONE: light gray, silicified, foliated, strongly folded, microfaults, moderately broken, patches, 1% pyrite disseminations of, patches.	OONAH FM UNDIFFERENT
R	117.20	118.40			STRONGLY BLEACHED WITH STRONG TECTONIC FABRIC WHICH HAS BEEN	
R	117.20	118.40			FOLDED/FAULTED, WITH YOUNGER BRITTLE FRACTURES AT 80 DEGREES TO	
R	117.20	118.40			C.A.	
	118.40	136.90	18.5		SHEARED FAULT: medium brown, graphitic, lenticular, imbricated, highly broken, fault: 30 degree angle to c.a.,	

424499

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					clasts of, 2.5% pyrite disseminations of, 1% pyrite replacive.	
R	118.40	136.90			ANGULAR/LENTICULAR FRAGMENTS OF QUARTZITE QUARTZ SILTSTONE AND	
R	118.40	136.90			LIMESTONE ARE ALIGNED/IMBRICATED IN A SHEARED, GRAPHITIC	
R	118.40	136.90			MATRIX.	
R	118.40	136.90			FRAGMENTS RANGE UP TO 2M IN DIAMETER AND EXHIBIT VARYING	
R	118.40	136.90			DEGREES OF ALTERATION , DEPENDING ON LITHOLOGY.	
R	118.40	136.90			LIMEY FRAGMENTS ARE OFTEN REPLICATED BY PYRITE. QUARTZ	
R	118.40	136.90			FRAGMENTS ARE PROBABLY DERIVED BY FRAGMENTS OF VEINS	
R	118.40	136.90			ORIENTATION OF FABRIC VARIES 0 - 45 DEGREES TO C.A.	
R	128.00	134.00			PYRITE OCCURS AT DISSEMENATIONS IN QUARTZ VEIN FRAGMENTS, AND	
R	128.00	134.00			REPLACEING LIMEY FRAGMENTS OF COUNTRY ROCK.	
			18.5		128.00- 134.00: 100% SHEARED FAULT: medium brown, graphitic, lenticular, imbricated, lightly sheared, highly broken, fault: 30 degree angle to c.a., veins of, 2.5% pyrite disseminations of, 1% pyrite replacive.	
R	134.00	136.20			BOUDINAGED,PARTLY FRAGMENTED QUARTZ VEINS	
R	136.20	136.90			FRAGMENTS ARE MOSTLY LIMESTONE.	
	136.90	137.00	0.1		VEIN: vein: 70 degree angle to c.a., 80% quartz veins of, 20% carbonate veins of.	
	137.00	140.30	3.3		DOLOMITE: lighter gray, stylolitic, moderately broken, bedding: 60 degree angle to c.a., 10% carbonate veins of.	OONAH FM UNDIFFERENT
R	137.00	140.30			BEDDED NEAR BASE	
	140.30	140.70	0.4		ALTERED DOLOMITE: light brown, silicified, remnant bedding, moderately broken, patches, 1% magnetite disseminations of.	OONAH FM UNDIFFERENT
R	140.30	140.70			PERVASIVELY ALTERED SILICIFIED WITH ONLY BEDDING FEATURES	
R	140.30	140.70			PRESENTED. MAGNETITE ACCOMPANIES THE MOST INTENSE	
R	140.30	140.70			SILICIFICATION.	
	140.70	141.80	1.1		ALTERED DOLOMITE: darker brown, texture obliterated by alteration, massive, recrystallised, moderately broken, .03% magnetite disseminations of.	OONAH FM UNDIFFERENT
	141.80	145.00			ALTERED SILTSTONE: greenish gray, remnant bedding, hornfelsic structured, moderately folded, moderately broken, bedding: 55 degree angle to c.a..	OONAH FM UNDIFFERENT
	145.00	148.00	3.0		SKARN: gray brown, quartziric,ose fine grainsize, calcitic, mottled, recrystallised, moderately broken, 0.1% sphalerite disseminations of.	
R	145.00	145.20			T19338: DARK BLEBS OF GREY-GREEN AMORPHOUS (MAFIC) MATERIAL. 145.00- 148.00: 50% INTERMIXED SKARN: greenish black,	

424500

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY001 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					actinolitic fine grainsize, magnetite, 1% magnetite disseminations of, 0.3% pyrite disseminations of, 1% galena disseminations of, 1% sphalerite disseminations of.	
	148.00	152.70	4.7		SKARN: gray brown, quartziric,ose fine grainsize, calcitic, remnant bedding, texture obliterated by alteration, recrystallised, moderately broken, trace magnetite patches. 0.3% galena disseminations of, 0.3% sphalerite disseminations of.	
R	148.00	152.70			MARBLE'ISED CARBONATE/QUARTZ MIX WITH LESS ALTERED GREYISH	
R	148.00	152.70			FRAGMENTS EXHIBITING REMNANT SEDIMENTARY TEXTURES.	
R	148.00	152.70			BASE METAL DISTRIBUTION IS PATCHY	
			4.7		150.10- 150.20: 100% SKARN: gray brown, quartziric,ose fine grainsize, calcitic, remnant bedding, texture obliterated by alteration, recrystallised, moderately broken, trace magnetite patches, 2.5% galena disseminations of, 2.5% sphalerite disseminations of.	
R	150.50	150.60			T19339	
	152.70	154.50	1.9		SANDSTONE: silicified, finely bedded, lensoid-banded, microfaults, disrupted bedding, 0.3% pyrite disseminations of, 0.3% pyrrhotite.	
R	152.70	154.50			SILTSTONE/SANDSTONE BANDS REGULARLY ALTERNATE BUT ARE LOCALLY	
R	152.70	154.50			ALTERED AND TECTONICALLY DISRUPTED, CAUSING STREAKY APPEARANCE.	
					152.70- 154.50: 40% AS BANDS SILTSTONE.	
	154.50	177.00	22.5		SHEARED FAULT: very dark gray, lenticular, imbricated, moderately broken, fault: 70 degree angle to c.a., 5% quartz pervasive, 5% carbonate pervasive, 0.1% pyrite disseminations of, .03% pyrrhotite.	
R	154.50	177.00			INTERGROWN QUARTZ/CARBONATE OCCURS AS IRREGULAR PATCHES, MAINLY	
R	154.50	177.00			NEAR TOP OF INTERVAL.	
R	154.50	156.00			FE STAINED (AFTER SIDERITE ?)	
					154.50- 156.00: 100% SKARN: lighter brown, quartziric,ose fine grainsize, calcitic.	
	177.00	187.00	10.0		ALTERED FAULT: green-brown, quartziric,ose fine grainsize, carbonated, chloritic, remnant bedding, moderately broken, diffuse base.	
R	177.00	187.00			ALTERATION INCREASES IN INTENSITY TOWARD BASE OF INTERVAL ,	
R	177.00	187.00			WITH FAULT TEXTURES INCREASINGLY OBLITERATED.	
	187.00	188.60	1.6		SKARN: medium dark green, carbonated fine grainsize, actinolitic, massive, recrystallised, slightly broken,	

424501

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY001 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					pervasive, actinolite pervasive, patches.	
R	187.00	188.60			METASOMATIC RECRYSTALLISATION IS STRONG WITH PATCHY SKARN	
R	187.00	188.60			DEVELOPMENT FAULT ALMOST OBLITERATED.	
R	187.00	188.60			T19340	
	188.60	193.00	4.4		ALTERED GABBRO: dark green, 5% carbonate disseminations of, disseminations of.	

424502

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY001 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
128.00	129.00	23938	30	115	360	13	6.40	-5.00	37.00	4.70
129.00	130.00	23939	25	20	55	11	5.90	-5.00	39.00	8.20
130.00	131.00	23941	30	45	50	8	11.00	-5.00	33.00	10.00
131.00	132.00	23942	30	55	50	7	8.50	-5.00	35.00	9.00
132.00	133.00	23943	40	90	80	11	-5.00	-5.00	48.00	8.90
133.00	134.00	23944	40	270	120	10	-5.00	-5.00	62.00	12.00
134.00	135.00	23945	40	85	120	8	9.40	-5.00	47.00	8.40
140.00	141.00	23946	70	3300	1350	7	-5.00	-5.00	315.00	29.20
141.00	141.80	23947	55	2800	2300	8	-5.00	-5.00	357.00	24.20
144.00	145.00	23948	15	6500	3850	4	-5.00	-5.00	80.00	20.00
145.00	146.00	23949	20	12200	7150	7	-5.00	-5.00	170.00	18.00
146.00	147.00	23950	45	2750	1800	8	-5.00	-5.00	226.00	22.90
147.00	148.00	23951	115	9950	5800	5	-5.00	-5.00	252.00	35.10
148.00	149.00	23952	60	3650	5000	6	-5.00	-5.00	130.00	17.00
149.00	150.00	23953	10	40	90	3	-5.00	-5.00	86.00	31.90
151.00	152.00	23954	10	145	600	19	10.00	-5.00	32.00	23.90
152.00	152.70	23955	15	90	90	22	-5.00	-5.00	27.00	8.10
152.70	154.00	23956	10	50	90	11	-5.00	-5.00	14.00	5.40
154.60	156.00	23957	20	80	160	10	-5.00	-5.00	16.00	24.20
156.00	157.00	23958	20	25	110	15	-5.00	-5.00	22.00	30.30
160.00	161.00	23959	10	15	185	11	-5.00	-5.00	15.00	20.50
164.00	165.00	23961	50	1150	930	8	-5.00	-5.00	140.00	10.00
168.00	170.00	23962	15	135	115	5	-5.00	-5.00	51.00	6.50
174.00	175.00	23963	100	45	95	10	-5.00	-5.00	56.00	5.60
178.00	179.00	23964	10	10	110	3	-5.00	-5.00	45.00	10.00
182.00	183.00	23965	10	10	180	5	-5.00	-5.00	25.00	15.00
186.00	187.00	23966	10	50	195	-3	-5.00	-5.00	22.00	14.00
187.00	188.00	23967	15	5	190	9	-5.00	-5.00	12.00	8.10
188.00	188.60	23968	40	5	185	6	-5.00	-5.00	7.80	4.80
192.00	193.00	23969	40	50	255	6	-5.00	-5.00	8.80	7.00

424503

R.G.C. Exploration Pty Ltd
ZEEHAN

SURFACE DIAMOND DRILLHOLE : SY001

PROJECT IDEN : ZEEHAN
COLLAR NORTHING: 60200.00
DRILLED BY : D.D.T

START DATE : 8 MAR 90
COLLAR EASTING : 57540.00
TOTAL LENGTH : 193.00

COMPLETION DATE :
COLLAR ELEVATION: 295.00
CORE/HOLE SIZE : HQNQ

LOGGED BY: DAVID JOHN CROSSING
GRID AZIMUTH : 0.00

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
38.00	49.00	23904	5	-5	165	4	-5.00	-5.00	16.00	13.00
42.10	43.00	23901	15	110	245	9	-5.00	-5.00	7.80	6.40
44.00	45.80	23902	50	135	845	8	-5.00	-5.00	22.00	10.00
45.80	47.00	23903	10	-5	150	-3	-5.00	-5.00	14.00	10.00
50.00	51.00	23905	10	-5	630	6	-5.00	-5.00	9.40	12.00
52.00	53.00	23906	15	20	970	3	-5.00	-5.00	14.00	5.90
53.00	54.00	23907	55	190	310	9	-5.00	-5.00	47.00	9.30
54.00	55.00	23908	50	75	150	7	-5.00	-5.00	49.00	10.00
55.00	56.00	23909	75	65	170	7	-5.00	-5.00	48.00	15.00
56.00	56.65	23910	85	30	170	7	-5.00	-5.00	66.00	14.00
60.00	61.00	23911	105	40	275	5	15.00	-5.00	71.00	19.00
64.00	65.00	23912	80	55	385	11	7.50	-5.00	49.00	14.00
68.00	69.25	23913	90	205	325	12	13.00	-5.00	83.00	19.00
69.25	70.40	23914	75	200	500	5	-5.00	-5.00	59.00	4.70
70.40	72.00	23915	255	35	85	7	-5.00	-5.00	8.40	5.80
75.00	76.00	23916	15	50	40	-3	-5.00	-5.00	5.10	1.90
79.00	80.00	23917	10	15	25	4	-5.00	-5.00	83.00	12.00
83.00	84.40	23918	10	175	380	-3	-5.00	-5.00	5.60	1.30
85.70	86.30	23919	440	4200	3900	5	-5.00	-5.00	170.00	26.60
86.30	87.00	23921	20	610	950	-3	-5.00	-5.00	18.00	6.80
90.00	91.00	23922	20	120	290	12	-5.00	-5.00	34.00	5.80
94.50	95.50	23923	10	345	630	10	-5.00	-5.00	47.00	34.10
95.50	97.00	23924	50	315	130	9	-5.00	-5.00	22.00	14.00
100.20	101.00	23925	40	105	150	11	-5.00	-5.00	34.00	7.80
101.00	102.00	23926	25	80	80	12	6.60	-5.00	33.00	12.00
102.00	103.00	23927	35	110	115	9	13.00	-5.00	39.00	11.00
103.00	104.00	23928	40	135	80	17	-5.00	-5.00	29.00	7.70
104.00	105.50	23929	140	270	120	9	-5.00	-5.00	29.00	9.10
105.50	107.10	23930	25	90	95	10	-5.00	-5.00	25.00	5.30
109.30	110.00	23931	20	315	210	14	5.40	-5.00	44.00	4.00
110.00	111.00	23932	25	455	185	22	-5.00	-5.00	80.00	8.60
111.00	112.00	23933	15	130	90	22	-5.00	-5.00	96.00	7.40
116.40	117.20	23934	390	1450	17000	48	8.10	-5.00	61.00	20.70
117.20	118.40	23935	15	105	225	21	-5.00	-5.00	21.00	5.00
118.40	119.00	23936	25	70	140	8	-5.00	-5.00	22.00	13.00
124.00	125.00	23937	45	195	280	13	7.40	-5.00	59.00	8.20

424504

R.G.C. Exploration Pty Ltd
ZEEHAN

SURFACE DIAMOND DRILLHOLE : SY002

PROJECT IDEN : ZEEHAN
START DATE : 1 JUN 90
COMPLETION DATE : 27 JUN 90
LOGGED BY:DAVID JOHN CROSSING
COLLAR NORTHING: 61355.00
COLLAR EASTING : 58880.00
COLLAR ELEVATION: 320.00
GRID AZIMUTH : 0.00
DRILLED BY :D.D.T
TOTAL LENGTH : 534.50
CORE/HOLE SIZE : HQNQ

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
001	0.00		192.50	-49.00	61355.00	58880.00	320.00
001	40.00		191.50	-50.00			
001	70.00		193.00	-47.50			
002	110.00		192.50	-46.70			
003	145.00		196.00	-45.00			
004	180.00		196.00	-42.70			
005	215.00		196.00	-41.80			
006	226.00		196.00	-41.00			
007	259.00		198.00	-41.00			
008	292.00		198.00	-41.00			
009	325.00		198.50	-40.00			
010	361.00		200.50	-39.80			
011	399.00		202.00	-39.00			
012	440.00		203.50	-38.30			
013	480.00		206.00	-37.80			
014	509.00		206.00	-37.00			

	Interval From (m)	Interval To (m)	Rec. (m)	ROD (m)	Description	Formation
	0.00	21.00			NO CORE.	
R	0.00	21.00			PRECOLLAR	
	21.00	83.20			MELANGE: gray dark, medium graphitic, sheared, microfaults, firm, highly broken, microfault: 30 degree angle to c.a., shear: 30 degree angle to c.a., sharp base, 5% quartz veins of, 2.5% carbonate veins of, 2.5% pyrite disseminations = veins, 5% quartz clasts of.	UPPER OONAH
R	21.00	83.20			A MELANGE, CONSISTING OF ANGULAR TO SUB-ROUNDED FRAGMENTS AND	
R	21.00	83.20			BLOCKS OF COMPETENT ROCKS (MOSTLY FINE QUARTZITE) IN A	
R	21.00	83.20			GRAPHITIC MATRIX OF SHEARED CARBONACEOUS SILTSTONE AND SHALE,	
R	21.00	83.20			INCLUDING INTERGRADATIONAL REMINANT ZONES OF LESS DEFORMED	
R	21.00	83.20			COUNTRY ROCK (OONAH SHALES SILTSTONE AND SANDSTONES) BOUDINATED	
R	21.00	83.20			SANDSTONE BANDS FABRIC VARIES IN ATTITUDE FROM 0 TO 45 DEGREES	
R	21.00	83.20			TO C.A.	
R	21.00	83.20			PYRITE OCCURS IN QUARTZ - CARBONATE VEINS AND	
R	21.00	83.20			DISSEMINATED,PREFERENTIALLY WITHIN SANDSTONE CARBONATE IS	
R	21.00	83.20			WEATHERED OUT ABOVE 73 METRES RESULTING IN VUGGY QUARTZ PYRITE	

424505

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	21.00	83.20			VEINING.	
R	21.00	83.20			THESE FEATURES ARE CUT BY A SET OF SMALL FRACTURES OF A FEW CM	
R	21.00	83.20			DISPLACEMENT. AT ABOUT 20-30 DEGREES TO C.A.	
					21.00- 73.00: 100% MELANGE: gray dark, medium graphitic, very dark weathered, sheared, microfaults, firm, highly broken, microfault: 30 degree angle to c.a., shear: 30 degree angle to c.a., sharp base, 5% quartz veins of, absent carbonate spots, 2.5% pyrite disseminations = veins, 5% quartz clasts of.	UPPER DONAH
R	41.00	47.00			SANSSTONE AND SILTSTONE ARE FINELY INTERBEDDED	
					41.00- 47.00: 80% SANDSTONE WITH SILTSTONE: lighter gray, graded bedded, finely bedded, disrupted bedding, strongly folded, bedding: 30 degree angle to c.a., basal contact: 30 degree angle to c.a., absent carbonate spots.	
					61.60- 62.20: 100% SANDSTONE: light gray, strongly folded.	
	83.20	83.70			BRECCIA: calcareous, hard, moderately broken, basal contact: 30 degree angle to c.a., sharp base, 30% carbonate breccia fillings of, 5% pyrite disseminations of.	
	83.70	86.50			MUDSTONE: gray brown, silicified, sheared, brecciated, hard, moderately broken, basal contact: 25 degree angle to c.a., sharp base, 5% carbonate breccia fillings of, 2.5% pyrite disseminations of, 2.5% carbonates veins of.	
	86.50	87.00			BRECCIA: calcareous, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 30% carbonate breccia fillings of, 5% pyrite disseminations of.	
	87.00	96.90			MELANGE: dark gray, darker graphitic, hard, moderately broken, shear: 35 degree angle to c.a., faulted base, 2.5% quartz veins of, 5% carbonate veins of, 2.5% pyrite disseminations) veins.	
R	87.00	96.90			A MELANGE OF MOSTLY 1MM - 1CM SIZE SUB-ANGULAR TO SUB-ROUNDED	
R	87.00	96.90			FRAGMENTS OF FINE SANDSTONE WITH LESSER AMOUNTS OF SILTSTONE	
R	87.00	96.90			AND MUDSTONE IN A DARK GREY, GRAPHITIC MATRIX.MUDSTONE MAY BE	
R	87.00	96.90			CRIMSON CREEK FORMATION ?	
R	92.30	94.50			FINELY INTERBEDDED AND TIGHTLY FOLDED (PARASITIC S-FOLDS)	
					92.30- 94.50: 100% SANDSTONE WITH SILTSTONE: lighter gray, finely bedded, strongly folded, microfaults, 5% pyrite disseminations) veins.	
					95.40- 96.90: 100% SANDSTONE WITH SILTSTONE: finely bedded, strongly folded, microfaults, microfault: 30 degree angle to c.a., 5% pyrite disseminations) veins.	

424506

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	96.90	109.90			MUDSTONE: black, silicified, massive, medium bedded, hard, moderately broken, bedding: 30 degree angle to c.a., sheared base, 2.5% quartz veins of, 2.5% carbonate veins of, 2.5% pyrite disseminations = veins, 0.1% sphalerite veins of. 96.90- 109.90: 20% INTERBEDDED SILTSTONE: gray dark, medium bedded, graded bedding. 96.90- 109.90: 5% INTERBEDDED DOLOMITE: light gray, finely bedded. 96.90- 109.90: 5% IRREGULARLY INTERBEDDED TUFF: gray brown, medium bedded.	CAMBRIAN CRIMSON CK FOR
R	105.00	109.90			FAULT SURFACES AT 0 - 10 DEG TO CA HAVE SLICKENSIDES AT 90	
R	105.00	109.90			DEGREES TO CA 105.00- 109.90: 5% TUFF: medium bedded, veined, fractured, vein: 5 degree angle to c.a., fault: 5 degree angle to c.a., 10% quartz veins of, 20% carbonate veins of, 5% pyrite disseminations = veins.	
	109.90	113.45			DYKE: gray brown, medium dolomitized, massive, hard, moderately broken, basal contact: 47 degree angle to c.a., shear: 35 degree angle to c.a., 20% carbonate disseminations (veins, 1% pyrite disseminations of, 1% fuchsite disseminations of, 1% rhodochrosite disseminations of.	
R	109.90	113.45			UNUSUAL MAFIC DYKE WITH SHEARED , FUCHSITIC UPPER CONTACT AND	
R	109.90	113.45			WEAKLY SHEARED FUCHSITIC LOWER CONTACT. ANHEDRAL LIGHT GREENISH	
R	109.90	113.45			CRYSTALS TO 5MM IN CALCAREOUS MATRIX WITH MAFIC STRINGERS.	
R	109.90	113.45			(CRYSTALS H)5.5 CLEAVAGE NOT PROMINANT WHITE STREAK, GENERALLY	
R	109.90	113.45			INTIMALELY INTERGROWN WITH CARBONATE) ALSO RHODOCHROSITE KAOLIN	
R	109.90	113.45			REPLACING FELSPAR PHENOCRYSTS ? IGNEOUS INTRUSION OR HIGHLY	
R	109.90	113.45			ALTERED MASSIVE TUFF. 109.90- 110.55: 100% DYKE: gray brown, light calcitic, massive, sheared, hard, moderately broken, basal contact: 47 degree angle to c.a., shear: 45 degree angle to c.a., 40% carbonate disseminations = veins, 1% pyrite disseminations of, 10% fuchsite disseminations of, 1% rhodochrosite disseminations of.	
R	110.55	110.60			T26213;	
	113.45	115.20			MUDSTONE: light brown, bleached, silicified, medium bedded, sheared, brecciated, hard, moderately broken, basal contact: 40 degree angle to c.a., shear: 45 degree angle to c.a., 2.5% quartz veins of, 10% carbonate veins of, 2.5% pyrite disseminations of, fuchsite.	CAMBRIAN CRIMSON CK FOR
R	113.45	115.20			UPPER CONTACT STRONGLY SHEARED, PYRITIC FUCHSITIC, CALCAREOUS 113.45- 115.20: 50% IRREGULARLY INTERBEDDED INTERMIXED	

42450

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					MUDSTONE: gray dark, calcitic, medium carbonaceous, microfault: 30 degree angle to c.a..	
					114.10- 114.30: 100% MUDSTONE: light brown, altered, silicified, medium bedded, sheared, brecciated, hard, moderately broken, basal contact: 40 degree angle to c.a., shear: 45 degree angle to c.a., 5% quartz veins of, 10% carbonate veins of, 10% pyrite disseminations (veins, 5% fuchsite in shear/fault.	CAMBRIAN CRIMSON CK FOR
	115.20	128.90			MUDSTONE: gray dark, darker calcitic, medium bedded, finely bedded, hard, moderately broken, bedding: 35 degree angle to c.a., sheared base, 2.5% quartz veins of, 5% carbonate veins of, 1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
R	115.20	128.90			LITHIC-ARENITE VARIOUS FROM COARSE TO VERY FINE, THUS GRADING	
R	115.20	128.90			INTO TUFFACEOUS SILTSTONE. GRADED BEDS FINE DOWNWARD. SOMETIMES	
R	115.20	128.90			FLASER TEXTURE TOWARD TOP OF BEDS. BOTH LITHOLOGIES LOCALLY	
R	115.20	128.90			MODERATELY CALCAREOUS.	
					115.20- 128.90: 40% TUFFACEOUS LITHIC ARENITE: gray brown, darker calcitic, medium bedded, graded bedding, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE.	
	128.90	129.65			FAULT: light calcitic, sheared, brecciated, hard, highly broken, shear: 35 degree angle to c.a., 5% quartz veins of, 30% carbonate in shear/fault, 2.5% pyrite disseminations of, 5% carbonates veins of.	
R	128.90	129.65			ANGULAR MUDSTONE FRAGMENTS IN CAREOUS FINE. CRUSHED MATRIX CUT	
R	128.90	129.65			BY THIN GRAPHITIC/CALCAREOUS FRACTURES AT 30 DEGREES TO C.A.	
R	128.90	129.65			AND MICROFAULTS AT 10 DEGREES TO C.A.	
	129.65	224.30			LITHIC ARENITE: gray brown, massive, medium bedded, graded bedding, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, bedding: 45 degree angle to c.a., sheared base, 0.3% quartz veins of, 2.5% carbonate veins of, 0.3% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
R	129.65	224.30			VARYING MEDIUM TO VERY FINE GRAINED THEREBY GRADING INTO	
R	129.65	224.30			SILTSTONE.HETEROLITHIC GRAIN SUPPORTED RERELY CALCAREOUS GRADED	
R	129.65	224.30			BEDS FINE DOWNWARD ALSO FLAME STRUCTURES AT 223.5M	
R	129.65	224.30			BOTH LITHOLOGIES ARE LOCALLY DARKENED(TO VERY DARK GREY) IN	
R	129.65	224.30			AREAS OF CLEAVAGE DEVELOPMENT AND ADJACENT TO FRACTURES AND	
R	129.65	224.30			JOINTS.THUS WITH VARYING DEGREES OF FRACTURING ETC, THE ROCK	
R	129.65	224.30			PASSES FROM BUFF WITH DARK GREY STREAKS THROUGHOUT DARK GREY	
R	129.65	224.30			BEDDING ATTITUDES FAIRLY CONSTANT (BCA = 45)	
					129.65- 224.30: 40% MUDSTONE: gray brown, medium bedded,	

424508

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					finely bedded.	
					129.65- 137.00: 50% LITHIC ARENITE: gray brown, microfaults, medium bedded, brecciated, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding. CLOSED STRUCTURE, bedding: 45 degree angle to c.a., microfault: 30 degree angle to c.a., sheared base, 0.3% quartz veins of, 10% carbonate veins of, 1% pyrite veins of, 2.5% carbonates in shear/fault.	CAMBRIAN CRIMSON CK FOR
					141.80- 143.10: 100% LITHIC ARENITE: gray brown, massive, medium bedded, graded bedding, brecciated, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, bedding: 45 degree angle to c.a., 30 degree angle to c.a., sheared base, 0.3% quartz veins of, 2.5% carbonate veins of, 0.3% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
					166.60- 166.25: 100% LITHIC ARENITE: gray brown, massive, medium bedded, sheared, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 30 degree angle to c.a., shear: 50 degree angle to c.a., sheared base, 5% quartz veins of, 5% carbonate veins of, 10% pyrite disseminations = veins, 0.3% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
					177.00- 180.00: 100% LITHIC ARENITE: gray brown, massive, medium bedded, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 0 degree angle to c.a., vein: 50 degree angle to c.a., sheared base, 5% quartz veins of, 5% carbonate veins of, 5% pyrite veins of, 0.3% galena veins of, 0.3% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
R	180.00	189.70			NUMEROUS IRREGULAR SUB-PARALLEL FRACTURES EXHIBITING A FEW CM'S	
R	180.00	189.70			DISPLACMENT AT SHALLOW ANGLES TO CORE (0-15 DEG). VEINS OCCUPY	
R	180.00	189.70			LARGER FRACTURES.ANOTHER FRACTURE SET AT 30 DEG SOMETIMES	
R	180.00	189.70			PRESENT SOME LISTRIC FRACTURES.	
					180.00- 189.70: 100% LITHIC ARENITE: gray brown, darker graphitic, veined, medium bedded, fractured, brecciated, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 30 degree angle to c.a., vein: 10 degree angle to c.a., sheared base, 10% quartz veins of, 5% carbonate veins of, 2.5% pyrite disseminations (veins, 0.1% rhodochrosite veins of.	CAMBRIAN CRIMSON CK FOR
					209.20- 209.80: 100% LITHIC ARENITE: very dark gray, massive, medium bedded, sheared, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, bedding: 45 degree angle to c.a., shear: 30 degree angle to c.a., sheared base, 0.3% quartz veins of, 2.5%	CAMBRIAN CRIMSON CK FOR

424509

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					carbonate veins of, 0.3% pyrite veins of.	
					215.70- 216.40: 100% LITHIC ARENITE: gray brown, massive, medium bedded, brecciated, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, bedding: 45 degree angle to c.a., sheared base, 0.3% quartz veins of, 10% carbonate veins of, 0.3% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
	224.30	239.50			LITHIC WACKE: very dark gray, medium dolomitized, massive, medium bedded, veined, hard, moderately broken, silt, 20% coarse, very poorly sorted, moderate sorting, angular rounding, OPEN STRUCTURE, bedding: 45 degree angle to c.a., gradational base, 5% quartz veins of, 10% carbonate veins of, 1% pyrite disseminations = veins, 1% rhodochrosite veins of.	CAMBRIAN CRIMSON CK FOR
R	224.30	239.50			A DOLMITIC GREY WACKE SEQUENCE DISTURBED MICROFAULTED NEAR BASE	
R	224.30	239.50			CUT BY NUMEROUS VARIABLY ORIENTED TENSIONAL VEINS	
					224.30- 239.50: 10% IRREGULARLY INTERBEDDED DOLOMITE: light gray, finely bedded.	
					224.30- 225.90: 100% LITHIC WACKE: very dark gray, medium dolomitized, veined, medium bedded, fractured, brecciated, hard, moderately broken, silt, 20% coarse, very poorly sorted, moderate sorting, angular rounding, OPEN STRUCTURE, bedding: 45 degree angle to c.a., irregular: 42 degree angle to c.a., 10% quartz veins of, 5% carbonate veins of, 2.5% pyrite veins of, 1% veins of, 1% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
					226.40- 226.60: 100% PORPHYRY FELDSPAR-QUARTZ: pale grey, porphyritic, chilled margin, dyke: 20 degree angle to c.a..	
R	227.10	227.30			A 1CM WIDE REACTION RIM OCCURS WITHIN THE MARGIN OF THE PORPHRY	
R	227.10	227.30			AND CONSISTS OF THREE WELL-DEFINED ZONES SEPERATED BY SHARP	
R	227.10	227.30			CONTACTS. THE OUTERMOST IS GREY THE MIDDLE OLIVE GREEN AND THE	
R	227.10	227.30			INNER IS BUFF, GRADING INWARD TO THE LIGHT GREY UNALTERED.	
					227.10- 227.30: 20% PORPHYRY FELDSPAR-QUARTZ: pale grey, porphyritic, chilled margin, dyke: 0 degree angle to c.a..	
	239.50	247.40			LITHIC ARENITE: medium gray, massive, coarsely bedded, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, fault: 50 degree angle to c.a., sharp base.	CAMBRIAN CRIMSON CK FOR
R	239.50	247.40			DISRUPTED BY A NUMBER OF DISCRETE FAULTS AT 45-55 DEG TO C.A.	
R	239.50	247.40			WITH DISPLACEMENT IN EXCESS OF 10 CM AND NUMEROUS MICROFAULTS	
R	239.50	247.40			OF SIMILAR ORIENTATION LAMINATED SILTSTONE EXHIBITS TIGHT	
R	239.50	247.40			FOLDING.	
					239.50- 247.40: 40% MUDSTONE: light brown, laminated, intensely folded, microfaults.	

424510

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	From (m)	To (m)	Rec. (m)	ROD (m)	Description	Formation
					242.60- 243.60: 100% LITHIC ARENITE: medium gray, massive, coarsely bedded, brecciated, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 20 degree angle to c.a., sharp base, 5% quartz breccia fillings of, 5% carbonate breccia fillings of, 5% pyrite disseminations = veins, 0.1% galena veins of, 5% quartz veins of, 5% carbonates veins of, 0.3% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
					245.50- 247.40: 100% LITHIC ARENITE: medium gray, massive, coarsely bedded, cleaved, microfaults, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, microfault: 45 degree angle to c.a., cleavage: 55 degree angle to c.a., sharp base.	CAMBRIAN CRIMSON CK FOR
	247.40	272.40			LITHIC ARENITE: lighter gray, coarsely bedded, graded bedding, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, 1% quartz veins of, 1% carbonate veins of, 1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
R	247.40	272.40			MUDSTONE GRADES TO SILTSTONE AND IS SOMETIMES LAMINATED AND	
R	247.40	272.40			OCCASIONALLY CROSS-LAMINATED. CROSS-LAMINATED AT 238.6M	
R	247.40	272.40			INDICATES YOUNGING DOWNHOLE GRADED BEDS ALSO FINE DOWNHOLE, EG	
R	247.40	272.40			267.0 M. BCA'S VARY 50-75 , BUT AVERAGE ABOUT 65 DEGREES.	
					247.40- 272.40: 40% INTER BEDDING MUDSTONE: light gray, medium bedded.	
R	270.00	272.40			PYRITE IS FINE TO MEDIUM GRAINED, SUBHEDRAL AND OCCURS	
R	270.00	272.40			DISSEMINATED SELECTIVELY WITHIN LITHIC ARENITE AND IN A	
R	270.00	272.40			STOCKWORK OF IRREGULAR VEINS WHERE IT IS ASSOCIATED WITH	
R	270.00	272.40			QUARTZ. SPHALERITE AND GALENA OCCURS ON OCCASIONAL STRAIGHT	
R	270.00	272.40			SIDED VEINS THAT CROSS CUT THE EARLIER VEINS AND GENERALLY	
R	270.00	272.40			CONTAIN SIDERITE.	
					270.00- 272.40: 100% LITHIC ARENITE: lighter gray, coarsely bedded, graded bedding, veined, hard, moderately broken, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 25 degree angle to c.a., 2.5% quartz veins of, 1% carbonate veins of, 1% siderite veins of, 10% pyrite disseminations = veins, 0.3% galena veins of, 0.3% sphalerite veins of.	CAMBRIAN CRIMSON CK FOR
	272.40	276.00	3.6		MASSIVE SULPHIDES: mottled yellow, massive, hard, moderately broken, basal contact: 35 degree angle to c.a., sharp base, 40% quartz veins of, 2.5% siderite veins of, 40% pyrite veins of, 2.5% galena veins of, 1% rhodochrosite veins of, 2.5% pyrrhotite veins of, 2.5% arsenopyrite veins of, 10% sphalerite veins of.	

424511

R.G.S. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	272.40	276.00			BOTH CONTACTS TO THE SULPHIDES ARE SHARP, PLANAR AT 35 DEG TO	
R	272.40	276.00			C.A. AND CLEARLY CROSSCUTS BEDDING WHICH IS AT 70 DEG TO C.A.	
R	272.40	276.00			NEAR THE UPPER CONTACT. THE UPPER CONTACT IS PRECEDED BY	
R	272.40	276.00			PARALLEL VEINS ALSO AT 30 DEG C.A. AND INCREASINGLY CLOSE	
R	272.40	276.00			PARALLEL VEINS, ALSO AT 30 DEGREES C.A. AND INCREASINGLY CLOSE	
R	272.40	276.00			SPACED TOWARD CONTACT QURATZ IS INTEREST TO COARSE PYRITE	
R	272.40	276.00			EUHEDRA AND INFILLS "VUGGS" IN PYRITE, WHICH IT IS ACCOMPANIED	
R	272.40	276.00			BY SIDERTITE BLEEBS OF DISSEMINATED PYRITE/ARSENOPRITE IN A	
R	272.40	276.00			QUARTZ MATRIX SOMETIMES OCCUR IN THESE "VUEGS" REMNANT	
R	272.40	276.00			PYRRHOTITE OCCURS NEAR THE CENTRE , WHERE IT IS BEING	
R	272.40	276.00			REPLACED BY PYRITE EUHEDRA BASE METALS OCCUR IN DIFFUSE ZONES	
R	272.40	276.00			ALSO AT 30 DEG TO C.A., CONSISTING OF INTERGROWN SPHALERITE	
R	272.40	276.00			GALENA PYRITE, PYRRHOTITE, ARSENOPYRITE AND INTERSTITAL	
R	272.40	276.00			QUARTZ.SPHALERITE AND GALENA ALSO OCCUR AS STREAMS AND	
R	272.40	276.00			IRREGULAR MASSES AND SPALERITE IS LOCALLY MASSIVE. RODOCHROSITE	
R	272.40	276.00			LENSES OCCUR SPHALERITE CONTENT IS 7 - 8 %	
	276.00	286.80			LITHIC ARENITE: gray black, coarsely bedded, graded bedding, veined, microfaults, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, microfault: 30 degree angle to c.a., 2.5% quartz veins of, 1% carbonate veins of, 1% siderite veins of, 5% pyrite disseminations = veins, 0.1% galena veins of, 0.3% sphalerite veins of.	
R	276.00	286.80			BOTH LITHOLOGIES VARY FROM LIGHT GREY TO BLACK AND TEND TO BE	
R	276.00	286.80			EITHER EXTREME LITHIC ARENITE SOMETIMES CONTAINS MUDSTONE	
R	276.00	286.80			INTRACLASTS. ALTERATION PROBABLY CAUSES MUCH OF THE DARKENING	
R	276.00	286.80			OF THE UNIT INCREASINGLY DISRUPTED TOWARD THE BASE BCA'S VARY	
R	276.00	286.80			35-65 DEG	
					276.00- 286.80: 30% IRREGULARLY INTERBEDDED MUDSTONE: gray black, medium bedded.	
					281.30- 281.90: 100% LITHIC ARENITE: gray black, coarsely bedded, graded bedding, brecciated, veined, moderately sphericity, moderate sorting, moderate rounding, CLOSED STRUCTURE, vein: 30 degree angle to c.a., 5% quartz veins of, 1% carbonate veins of, 1% siderite veins of, 20% pyrite veins of, 0.1% galena veins of, 2.5% sphalerite veins of.	
	286.80	287.60			FAULT: black, dark graphitic, sheared, brecciated, shear: 55 degree angle to c.a., 2.5% pyrite clasts of.	
	287.60	294.00			LITHIC ARENITE: light gray, massive, medium bedded, brecciated, veined, hard, moderately broken, bedding: 50 degree angle to c.a., 5% quartz veins of, 10% carbonate veins of, 2.5% siderite veins of, 1% pyrite disseminations = veins.	CAMBRIAN CRIMSON CK FOR

424512

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	287.60	294.00			STOCKWORK OF IRREGULAR VEINS RELATED TO INCIPENT BRECCIATION 287.60- 294.00: 30% INTER BEDDING MUDSTONE: very dark gray, finely bedded. 289.60- 289.90: 100% LITHIC ARENITE: light gray, massive, medium bedded, sheared, veined, hard, moderately broken, bedding: 50 degree angle to c.a., shear: 45 degree angle to c.a., 5% quartz veins of, 10% carbonate veins of, 2.5% siderite veins of, 1% pyrite disseminations = veins. 293.30- 293.50: 100% LITHIC ARENITE: light gray, massive, medium bedded, sheared, veined, hard, moderately broken, bedding: 50 degree angle to c.a., shear: 45 degree angle to c.a., 5% quartz veins of, 10% carbonate veins of, 2.5% siderite veins of, 5% pyrite disseminations = veins.	CAMBRIAN CRIMSON CK FOR CAMBRIAN CRIMSON CK FOR
	294.00	320.20			LITHIC ARENITE: light gray, massive, coarsely bedded, hard, moderately broken, moderately sphericity, poor sorting, rounding, bedding: 50 degree angle to c.a., basal contact: 40 degree angle to c.a., faulted base, 2.5% quartz veins of, 5% carbonate veins of.	CAMBRIAN CRIMSON CK FOR
R	294.00	320.20			LITHIC ARENITIE IS GRADED-BEDDEDE FINE-ING DOWNHOLE , WITH	
R	294.00	320.20			WIDTH 0.4 M TO 3 M BEDS SEPERATED BY A 10 CM THICK MUDSTONE	
R	294.00	320.20			BANDS VARIABLY CALCAREOUS (WEAK TO VERY STRONG FIZZ IN DIL	
R	294.00	320.20			HCL)	
R	294.00	320.20			OCCASIONALLY MUDSTONE INTERCLASTS IN LITHIC - ARENITE MOSTLY OF	
R	294.00	320.20			FELDSPATHIC/MAFIC COMPOSITION (LOW QUARTZ CONTENT) 294.00- 320.20: 10% MUDSTONE: dark gray.	
	320.20	329.90			FAULT BRECCIA: gray mauve, medium graphitic, brecciated, hard, moderately broken, basal contact: 70 degree angle to c.a., 2.5% quartz veins of, 2.5% siderite veins of, 5% pyrite disseminations) veins.	
R	320.20	329.90			ANGULAR TO SUB-ROUNDED FRAGEMENTS OF COUNTRY ROCK 1MM TO 1 M	
R	320.20	329.90			AND SANDSTONE TOWARD BASE.GRAPHITIC MATRIX OF MELANGE	
R	320.20	329.90			IN SIZE MAINLY CALCAREOUS LITHIC-ARENITE TOWARD UPPER CONTACT	
	329.90	332.00			FAULT: vuggy, shear: 75 degree angle to c.a., basal contact: 75 degree angle to c.a., 60% quartz in shear/fault, 10% siderite in shear/fault, 10% pyrite interstital, 10% graphite interstital.	
R	329.90	332.00			VUGGS ARE LIMED WITH EUHEDRAL QUARTZ CRYSTALS	
	332.00	360.20			SANDSTONE: pale grey, coarsely bedded, massive, hard, moderately broken, high sphericity, bedding: 35 degree angle to c.a., basal contact: 45 degree angle to c.a., faulted base.	CAMBRIAN CRIMSON CK FOR

424513

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ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

- Interval - From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
				332.00- 360.20: 40% INTERGRADATIONAL SANDSTONE: very dark gray, high sphericity. 332.00- 360.20: 10% IRREGULARLY INTERBEDDED MUDSTONE: finely bedded.	
				332.00- 338.30: 100% SANDSTONE: pale grey, coarsely bedded, massive, hard, moderately broken, high sphericity, bedding: 35 degree angle to c.a., vein: 25 degree angle to c.a., faulted base, 2.5% quartz veins of, 1% carbonate veins of, 1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
				353.50- 360.19: 100% SANDSTONE: coarsely bedded, massive, veined, stockworked, hard, moderately broken, high sphericity, bedding: 35 degree angle to c.a., basal contact: 45 degree angle to c.a., faulted base, 5% quartz veins of, 0.3% siderite veins of, 2.5% pyrite disseminations (veins.	CAMBRIAN CRIMSON CK FOR
360.20	360.40			FAULT: fault: 45 degree angle to c.a., 40% quartz in shear/fault.	
R 360.20	360.40			FAULTING IS TO 90 DEG TO BCA'S	
360.40	383.50			MUDSTONE: light brown, massive, medium bedded, cleaved, microfaults, hard, moderately broken, bedding: 60 degree angle to c.a., cleavage: 70 degree angle to c.a., gradational base. 360.40- 383.50: 30% IRREGULARLY INTERBEDDED SANDSTONE: light gray, finely bedded, graded bedding, high sphericity, microfault: 30 degree angle to c.a..	CAMBRIAN CRIMSON CK FOR
				367.50- 368.20: 100% MUDSTONE: light brown, massive, medium bedded, veined, microfaults, hard, moderately broken, bedding: 60 degree angle to c.a., cleavage: 70 degree angle to c.a., gradational base, 20% quartz veins of, 1% carbonate veins of, 1% pyrite veins of.	CAMBRIAN CRIMSON CK FOR
				368.20- 369.00: 100% MUDSTONE: light brown, silicified, massive, medium bedded, brecciated, microfaults, hard, moderately broken, bedding: 60 degree angle to c.a., cleavage: 70 degree angle to c.a., gradational base.	CAMBRIAN CRIMSON CK FOR
				375.00- 383.50: 100% MUDSTONE: light brown, coarsely bedded, igneous textured, cleaved, microfaults, hard, moderately broken, bedding: 60 degree angle to c.a., cleavage: 70 degree angle to c.a., gradational base.	CAMBRIAN CRIMSON CK FOR
383.50	395.00			SILTSTONE: light gray, graded bedding, massive, microfaults, hard, moderately broken, bedding: 45 degree angle to c.a., basal contact: 5 degree angle to c.a., faulted base, 2.5% quartz veins of, 2.5% carbonate veins of, 1% pyrite clusters of, pyrite 1% layers/bedded.	CAMBRIAN CRIMSON CK FOR

424514

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SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	383.50	395.00			GRADES FROM MUDSTONE TO FINE SANDSTONE AS INTERGRATIONAL WISPY	
R	383.50	395.00			LENSES TO LARGER BED WITH INDISTINCT MARGINS POORLY BEDDED TO	
R	383.50	395.00			MASSIVE INDISTINCTLY BEDDED. MICROFAULTS AT 60 DEG TO C.A.	
R	383.50	395.00			DISPLACEMENT WIDE- SPACED (5MM) CLEAVAGE AT 35 DEG	
					383.50- 395.00: 5% IRREGULARLY INTERBEDDED DOLOMITE: pale grey, medium bedded.	
	395.00	396.00			FAULT: vuggy, sheared, brecciated, brittle, highly broken, fault: 33 degree angle to c.a., 30% quartz in shear/fault, 5% pyrite in shear/fault.	
	396.00	406.25			SILTSTONE: very dark gray, medium carbonaceous, laminated, disrupted bedding, microfaults, hard, moderately broken, microfault: 60 degree angle to c.a..	UPPER OONAH
R	396.00	406.25			FINELY LAMINATED SEDIMENTS ARE DISTRUBED COMMONLY MICROFAULTED	
R	396.00	406.25			BY CLOSE-SPACED (1-5CM) FRACTURES LOCALLY WITH STRONG,	
R	396.00	406.25			CONVOLUTE SMALL SCALE FOLDS. SOME LAMELLAE REPLACED BY PYRITE.	
					396.00- 406.25: 20% FINELY INTERBEDDED SANDSTONE: light gray, laminated, moderately folded.	
					396.00- 406.25: 5% IRREGULARLY INTERBEDDED DOLOMITE: pale grey, finely bedded, 2.5% quartz veins of, 2.5% carbonate veins of, 2.5% pyrite disseminations = veins, 1% pyrite layers/bedded.	
					398.60- 399.80: 100% SILTSTONE: very dark gray, medium carbonaceous, laminated, sheared, microfaults, hard, moderately broken, shear: 40 degree angle to c.a..	UPPER OONAH
	406.25	407.90			DOLOMITE: pale grey, indistintly bedded, stylolitic, brecciated, hard, moderately broken, 10% carbonate stockwork.	UPPER OONAH
R	406.25	407.90			INDISTINCTLY BEDDED WITH FINE SHALEY INTERBEDS, AND	
R	406.25	407.90			INTRACLASTS.	
	407.90	426.90			SILTSTONE: dark gray, laminated, soft sediment slumping, bedding: 40 degree angle to c.a., 1% pyrite interstital, 1% pyrite disseminations of.	UPPER OONAH
R	407.90	426.90			SOFT SEDIMENT DEFORMATION TYPIFIED BY CONVOLUTE FOLDING AND	
R	407.90	426.90			BOUDINAGING OF SANDY LAMELLAE OVER SHORT INTERVALS POSSIBLY	
R	407.90	426.90			TIDAL - DRAG DEFORMATION. YOUNGING UP - HOLE CF RBM AT RENISON	
					407.90- 426.90: 20% FINELY INTERBEDDED SANDSTONE: light gray.	
					410.00- 416.00: 100% SILTSTONE: dark gray, laminated, soft sediment slumping, bedding: 25 degree angle to c.a., 1% pyrite interstital, 1% pyrite disseminations of.	UPPER OONAH
					422.00- 425.00: 100% SILTSTONE: dark gray, laminated, soft sediment slumping, bedding: 50 degree angle to c.a., 1% pyrite	UPPER OONAH

424515

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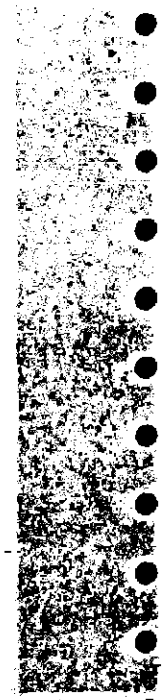
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					interstital, 1% pyrite disseminations of.	
	426.90	463.80			SANDSTONE: light gray, massive, graded bedding, medium bedded, bedding: 25 degree angle to c.a., basal contact: 10 degree angle to c.a., sharp base.	UPPER DONAH
R	426.90	463.80			VARIOUS ALTERNATIVE SILTSTONE AND SANDSTONE LAMELLAE TO	
R	426.90	463.80			INTERBEDDED AND INTERGRADATIONAL BEDS OF SANDSTONE AND	
R	426.90	463.80			SILTSTONE 1 CM TO 2 CM GRADED BEDS MOSTLY YOUNG DOWN HOLE BCA'S	
R	426.90	463.80			VARY 0 -60 DEG.	
R	426.90	438.80			BCA'S VARY 0 -40 DEG. AVE 20. LAMINATED SECTIONS EXHIBIT	
R	426.90	438.80			SLUMPING.BEDS OVER 10M THICK DISPLAY STRONG GRADED BEDDING	
					426.90- 463.80: 50% INTER BEDDING SILTSTONE: massive, laminated, medium bedded.	
					438.80- 439.80: 100% SANDSTONE: light gray, massive, graded bedding, brecciated, bedding: 25 degree angle to c.a., breccia: 55 degree angle to c.a., sharp base.	UPPER DONAH
					445.20- 445.70: 100% SANDSTONE: light gray, medium carbonaceous, laminated, soft sediment slumping, microfaults, bedding: 25 degree angle to c.a., microfault: 25 degree angle to c.a., sharp base, 10% pyrite layers/bedded.	UPPER DONAH
R	451.50	460.00			BEDDING LOCALLY BRECCIATED AND SOMETIMES SHEARED, AT 50-80 DEG	
R	451.50	460.00			TO C.A. MICROFAULTS 20-40 DEG.	
					451.50- 460.00: 100% SANDSTONE: light gray, veined, graded bedding, disrupted bedding, microfaults, bedding: 25 degree angle to c.a., basal contact: 10 degree angle to c.a., sharp base, 5% quartz veins of, 1% carbonate veins of, 2.5% pyrite layers/bedded, 2.5% pyrite disseminations = veins.	UPPER DONAH
	463.80	465.20			DOLOMITE: pale grey, stylolitic, laminated, hard, moderately broken, bedding: 30 degree angle to c.a., basal contact: 25 degree angle to c.a., sharp base, 2.5% carbonate veins of.	UPPER DONAH
	465.20	475.00			DOLOMITE: pale grey, darker silicified, massive, stylolitic, hard, moderately broken, basal contact: 70 degree angle to c.a., sharp base, 2.5% carbonate stockwork, 2.5% graphite breccia fillings of.	UPPER DONAH
R	465.20	475.00			LOCALLY SLIGHTLY BRECCIATED ? FAULTED BASE	
	475.00	475.60			MUDSTONE: gray brown, soft sediment slumping, microfaults, bedding: 30 degree angle to c.a..	
	475.60	476.10			FAULT: gray brown, medium graphitic, microfaults, 2.5% quartz veins of, 10% siderite veins of.	



424516

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ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
	476.10	482.90			SILTSTONE: medium graphitic, sheared, microfaults, hard, moderately broken, basal contact: 40 degree angle to c.a., microfault: 40 degree angle to c.a., faulted base, 1% quartz veins of, 2.5% siderite veins of, 0.3% pyrite disseminations of.	UPPER OONAH
R	476.10	482.90			SHEARED/BOUDINAGED AND SUBSEQUENTLY FOLDED & MICROFAULTED.	
R	476.10	482.90			ENCLOSED UNSHEARED REMANANTS SHEAR ANGLE THUS VARIES, 0 - 45	
R	476.10	482.90			DEG.	
	482.90	500.20			DOLOMITE: pale grey, massive, stylolitic, firm, moderately broken, 2.5% carbonate stockwork.	UPPER OONAH
	500.20	510.20			MUDSTONE: pale grey, light silicified, indistintly bedded, coarsely bedded, bedding: 20 degree angle to c.a., sheared base. 500.20- 510.20: 5% IRREGULARLY INTERBEDDED DOLOMITE: massive, medium bedded.	UPPER OONAH
R	506.40	508.10			SET OF CONJUGATE FRACTURES (BOTH FRACTURE ORIENTATIONS AT 30	
R	506.40	508.10			DEG TO C.A.)	
					506.40- 508.10: 100% MUDSTONE: pale grey, light silicified, disrupted bedding, coarsely bedded, microfaults, fractured, bedding: 20 degree angle to c.a., microfault: 60 degree angle to c.a., sheared base.	UPPER OONAH
					509.00- 510.19: 100% MUDSTONE: darker purple, altered, indistintly bedded, coarsely bedded, disrupted bedding, fractured, bedding: 20 degree angle to c.a., fracture: 30 degree angle to c.a., sheared base.	UPPER OONAH
	510.20	511.00			SHEAR (ZONE): darkest purple, shear: 45 degree angle to c.a., sharp base, 5% carbonate disseminations of, 5% pyrite lenses of.	
R	510.20	511.00			WELL DEVELOPED SHEAR FABRIC IN PURPLE MUDSTONE	
	511.00	530.10			MELANGE: very dark gray, medium graphitic, sheared, brecciated, hard, moderately broken, shear: 25 degree angle to c.a., 2.5% pyrite clasts of.	
R	511.00	530.10			ANGULAR TO SUB-ANGULAR FRAGMENTS MOSTLY OF SANDSTONE IN SHEARED	
R	511.00	530.10			GRAPHITIC MATRIX VARIABLE DEGREE OF SHEARING, GENERALLY AT LOW	
R	511.00	530.10			ANGLES TO C.A. (20-30) DEG PYRITE (2-5 %) PRESENT AS FRAGMENTS	
R	511.00	530.10			AND AS REPLACIVE LAMELLAE IN SANDSTONE FRAGMENTS MUDSTONE AND	
R	511.00	530.10			OCCASIONAL CARBONATE FRAGMENTS BECOME DOMINANT NEAR BASE.	
					527.00- 530.10: 100% MELANGE: very dark gray, medium graphitic, sheared, brecciated, hard, moderately broken, shear: 55 degree angle to c.a., 2.5% carbonate veins of, 1%	

42451

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					pyrite veins of.	
	530.10	534.50			MUDSTONE: darker gray, medium bedded, disrupted bedding, microfaults, hard, moderately broken, microfault: 30 degree angle to c.a., 2.5% carbonate stockwork, 1% pyrite disseminations of.	
R	530.10	534.50			STRONGLY MICROFAULTED (TWO SETS AT 30 AND 80 DEG TO C.A.	
R	530.10	534.50			RESPECTIVELY), LOCALLY SHEARED/ BRECCIATED.	
					530.10- 534.50: 20% IRREGULARLY INTERBEDDED LITHIC ARENITE: medium gray, medium bedded.	
					530.10- 534.50: 5% DOLOMITE: light gray, medium bedded.	

424518

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
22.00	23.00	28501	35	10	60	15	-5.00	-5.00	3.60	1.00
26.00	27.00	28502	40	15	80	10	-5.00	-5.00	8.50	3.00
30.00	31.00	28503	30	15	320	16	-5.00	-5.00	59.00	5.40
34.00	35.00	28504	30	20	65	16	-5.00	-5.00	62.00	3.40
38.00	39.00	28505	40	60	45	17	8.80	-5.00	52.00	12.00
42.00	43.00	28506	30	20	60	13	-5.00	-5.00	38.00	4.70
46.00	47.00	28507	30	20	105	16	-5.00	-5.00	33.00	2.00
50.00	51.00	28508	25	30	55	13	-5.00	-5.00	19.00	4.20
54.00	55.00	28509	35	-5	65	16	-5.00	-5.00	3.80	1.10
58.00	59.00	28510	40	50	80	14	-5.00	-5.00	26.00	13.00
62.00	63.00	28511	35	65	65	18	-5.00	-5.00	22.00	3.90
66.00	67.00	28512	35	20	45	15	-5.00	-5.00	13.00	2.70
70.00	71.00	28513	40	15	105	15	-5.00	-5.00	14.00	4.40
74.00	75.00	28514	35	35	120	17	-5.00	-5.00	23.00	6.70
78.00	79.00	28515	25	10	60	17	-5.00	-5.00	68.00	4.70
82.00	83.20	28516	30	50	155	17	-5.00	-5.00	41.00	7.70
83.20	83.70	28517	40	160	875	10	-5.00	-5.00	60.00	23.40
83.70	84.50	28518	70	340	5600	10	-5.00	-5.00	61.00	42.80
85.50	86.50	28519	95	325	265	20	15.00	-5.00	62.00	30.60
86.50	87.00	28521	30	95	135	11	6.40	-5.00	21.00	9.00
92.30	93.50	28522	40	320	325	17	-5.00	-5.00	59.00	3.40
93.50	94.50	28523	30	30	155	14	-5.00	-5.00	45.00	3.10
96.90	98.00	28524	110	15	120	16	-5.00	-5.00	42.00	8.10
99.00	100.00	28525	75	5	140	17	-5.00	-5.00	51.00	4.10
101.00	102.00	28526	90	15	140	9	-5.00	-5.00	84.00	11.00
103.00	104.00	28527	95	10	215	12	-5.00	-5.00	31.00	4.00
105.00	106.00	28528	60	5	230	8	-5.00	-5.00	55.00	3.70
106.00	107.00	28529	130	5	175	14	-5.00	-5.00	47.00	3.20
107.00	108.00	28530	85	35	430	12	-5.00	-5.00	31.00	3.40
108.00	109.00	28531	80	5	130	16	-5.00	-5.00	24.00	2.80
109.00	109.90	28532	130	395	1750	19	-5.00	-5.00	52.00	4.40
109.90	111.00	28533	115	65	245	13	-5.00	-5.00	217.00	5.30
112.00	113.40	28534	60	-5	345	9	-5.00	-5.00	18.00	1.40
114.00	115.20	28535	90	305	855	15	-5.00	-5.00	57.00	10.00
118.00	119.00	28536	130	575	710	15	8.10	-5.00	110.00	16.00
122.00	123.00	28537	80	20	125	14	-5.00	-5.00	24.00	11.00
126.00	127.00	28538	80	300	120	21	-5.00	-5.00	53.00	12.00
128.90	129.60	28539	55	-5	75	16	-5.00	-5.00	32.00	2.60
132.00	133.00	28541	125	-5	110	13	-5.00	-5.00	35.00	2.10
140.00	141.00	28542	100	-5	80	11	-5.00	-5.00	19.00	1.00
148.00	149.00	28543	95	95	360	14	-5.00	-5.00	55.00	5.80
156.00	157.00	28544	45	20	160	19	-5.00	-5.00	12.00	1.00

424519

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY002 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
165.60	166.30	28545	80	1900	2250	28	-5.00	-5.00	100.00	41.20
172.00	173.00	28546	60	270	630	15	-5.00	-5.00	28.00	7.20
177.00	178.00	28547	40	1750	1800	25	-5.00	-5.00	74.00	9.20
178.00	179.00	28548	305	365	610	16	-5.00	-5.00	42.00	5.40
179.00	180.00	28549	60	200	495	17	-5.00	-5.00	42.00	3.70
182.00	183.00	28550	115	35	160	20	-5.00	-5.00	43.00	7.00
186.00	187.00	28551	60	205	405	12	-5.00	-5.00	41.00	6.90
190.00	191.00	28552	90	65	190	13	-5.00	-5.00	25.00	4.70
198.00	199.00	28553	75	-5	150	18	-5.00	-5.00	-2.00	1.50
206.00	207.00	28554	55	15	130	14	-5.00	-5.00	49.00	1.90
214.00	215.00	28555	145	-5	110	12	-5.00	-5.00	4.70	1.50
222.00	223.00	28556	90	30	130	13	-5.00	-5.00	54.00	11.00
224.30	225.00	28557	70	40	210	20	-5.00	-5.00	43.00	7.90
225.00	225.90	28558	30	375	2150	22	-5.00	-5.00	76.00	7.10
225.90	227.00	28559	60	120	265	15	-5.00	-5.00	53.00	7.00
227.00	228.00	28561	45	200	250	15	-5.00	-5.00	97.00	10.00
232.00	233.00	28562	50	2600	4350	85	7.00	-5.00	70.00	18.00
240.00	241.00	28563	165	25	150	14	-5.00	-5.00	67.00	4.20
242.60	243.60	28564	100	2900	5800	96	-5.00	-5.00	130.00	13.00
250.00	251.00	28565	100	10	160	11	-5.00	-5.00	2.70	1.50
258.00	259.00	28566	90	-5	160	17	-5.00	-5.00	8.90	1.50
266.00	267.00	28567	75	470	1250	43	-5.00	-5.00	202.00	4.30
270.00	271.00	28568	90	1900	4300	162	39.00	-5.00	360.00	46.00
271.00	272.40	28569	70	1650	6700	119	44.00	-5.00	180.00	61.20
272.40	273.00	28570	145	9300	20800	191	410.00	-10.00	150.00	177.00
273.00	274.00	28571	495	4300	4700	573	93.00	-10.00	100.00	205.00
274.00	275.00	28572	660	17700	129700	508	48.00	20.00	100.00	326.00
275.00	276.00	28573	600	32400	83300	437	674.00	-20.00	200.00	344.00
276.00	277.00	28574	100	8700	9600	269	65.00	-5.00	250.00	43.20
277.00	278.00	28575	80	2250	3300	145	-5.00	-5.00	130.00	14.00
278.00	279.00	28576	65	1700	3100	74	-5.00	-5.00	120.00	20.00
279.00	280.00	28577	120	3350	5800	202	-5.00	-5.00	190.00	36.50
280.00	281.30	28578	120	1400	4250	132	-5.00	-5.00	110.00	23.00
281.30	281.90	28579	45	2175	8700	110	-5.00	-5.00	545.00	78.60
281.90	283.00	28581	105	7300	14200	126	-5.00	-5.00	236.00	31.90
283.00	284.00	28582	225	745	1750	66	-5.00	-5.00	110.00	13.00
284.00	285.00	28583	115	95	300	23	-5.00	-5.00	28.00	5.80
285.00	286.00	28584	105	-5	145	14	-5.00	-5.00	12.00	2.20
286.00	286.80	28585	100	30	125	10	-5.00	-5.00	32.00	7.60
286.80	287.60	28586	95	65	345	12	7.90	-5.00	46.00	18.00
292.00	293.00	28587	75	5	125	11	-5.00	-5.00	8.30	2.50
300.00	301.00	28588	70	5	200	21	-5.00	-5.00	7.40	0.94

424520

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
308.00	309.00	28608	70	-5	170	13	-5.00	-5.00	5.20	1.40
316.00	317.00	28609	70	-5	175	12	-5.00	-5.00	8.20	0.50
320.20	321.00	28611	70	45	410	19	-5.00	-5.00	40.00	8.00
322.00	323.00	28612	25	15	60	15	-5.00	-5.00	20.00	2.00
324.00	325.00	28613	30	-5	60	20	-5.00	-5.00	45.00	1.50
326.00	327.00	28614	45	125	850	18	9.00	-5.00	93.00	28.10
328.00	329.00	28615	40	30	180	17	-5.00	-5.00	29.00	7.00
329.50	331.00	28616	45	610	1300	24	34.00	-5.00	108.00	9.50
331.00	332.00	28617	25	460	790	20	-5.00	-5.00	47.50	3.50
332.00	333.00	28618	15	10	100	13	-5.00	-5.00	9.20	1.30
340.00	341.00	28619	20	30	75	17	-5.00	-5.00	11.00	1.40
354.00	355.00	28601	25	10	50	13	-5.00	-5.00	12.00	1.30
358.00	359.00	28602	45	5	60	25	-5.00	-5.00	10.00	1.30
367.80	368.20	28603	20	20	85	13	-5.00	-5.00	7.30	1.70
382.00	384.00	28604	35	15	120	18	-5.00	-5.00	6.00	1.70
384.00	385.00	28605	45	75	230	21	-5.00	-5.00	16.00	2.30
392.00	393.00	28606	45	20	75	23	-5.00	-5.00	17.50	1.40
395.00	396.00	28607	20	20	45	14	-5.00	-5.00	17.00	4.30
407.00	407.90	28608	25	20	115	14	-5.00	-5.00	8.20	1.30
416.00	417.00	28609	40	40	150	18	-5.00	-5.00	14.00	2.20
424.00	425.00	28610	25	50	110	19	-5.00	-5.00	15.00	5.30
445.20	445.70	28611	60	95	785	17	5.40	-5.00	34.00	8.90
451.50	453.00	28612	50	40	135	14	-5.00	-5.00	14.00	3.40
454.00	455.00	28613	90	85	245	21	-5.00	-5.00	11.00	2.30
456.00	457.00	28614	45	60	105	15	-5.00	-5.00	16.00	3.60
458.00	459.00	28615	30	40	145	17	-5.00	-5.00	14.00	2.70
468.00	469.00	28616	15	5	75	8	-5.00	-5.00	-2.00	0.23
472.00	473.00	28617	10	10	75	13	-5.00	-5.00	4.20	0.31
476.10	477.00	28618	35	5	110	19	-5.00	-5.00	3.30	0.56
480.00	481.00	28619	65	60	140	19	6.10	-5.00	23.00	3.40
496.00	497.00	28620					74.00	-5.00	3.30	0.33
504.00	505.00	28622	5	5	50	12	-5.00	-5.00	-2.00	0.49
510.20	511.00	28623	85	10	95	17	-5.00	-5.00	39.00	4.30
512.00	513.00	28624	75	30	65	14	-5.00	-5.00	17.00	3.00
516.00	517.00	28625	30	30	260	15	-5.00	-5.00	10.00	2.80
520.00	521.00	28626	35	25	150	13	-5.00	-5.00	7.40	2.60
524.00	525.00	28627	85	30	85	15	-5.00	-5.00	8.10	3.30
528.00	529.00	28628	90	100	615	11	-5.00	-5.00	40.00	7.70
531.00	532.00	28629	180	10	105	18	-5.00	-5.00	27.00	1.10

4245521

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	ROD (m)	Description	Formation
					c.a., 5% pyrite stringers of.	
	106.50	134.00			LITHIC WACKE: light gray, darker clayey, massive, coarsely bedded, firm, highly broken, faulted base.	CAMBRIAN CRIMSON CK FOR
R	106.50	134.00			THE ARENITE IS ARKOSIC (LABILE) COMPOSED DOMINATELY OF BROKEN	
R	106.50	134.00			FELDSPAR LATHES WITH INTERSTITIAL MAFIC COMPONENTS.THE COLOUR	
R	106.50	134.00			IS LIGHT GREENISH-GREY.	
					106.50- 134.00: 30% TUFFACEOUS INTERGRADATIONAL ARENITE: massive, coarsely bedded.	
					106.50- 134.00: 30% IRREGULARLY INTERBEDDED MUDSTONE: massive, medium bedded, bedding: 70 degree angle to c.a..	
	134.00	135.00			FAULT: firm, exceptionally broken, fault: 90 degree angle to c.a., 5% quartz in shear/fault.	
R	134.00	135.00			CORE LOSS ZONE	
	135.00	138.00			SANDSTONE: lighter gray, massive, coarsely bedded, 10% quartz veins of.	UPPER OONAH
	138.00	147.00			MELANGE: gray black, medium graphitic, massive, sheared, brecciated, firm, highly broken, basal contact: 55 degree angle to c.a..	
R	138.00	147.00			TYPICALLY ANGULAR TO SUB-ROUNDED FRAGMENTS (1MM-30CM) IN	
R	138.00	147.00			SHEARED GRAPHITIC MATRIX.SHEAR FABRIC ORIENTATION VARIABLE, ARE	
R	138.00	147.00			40 DEG TO C.A ? FRAGMENTS MAINLY SANDSTONE.	
	147.00	148.70			FAULT: black, pale graphitic, dark clayey, firm, exceptionally broken, shear: 45 degree angle to c.a., 2.5% pyrite in shear/fault.	
	148.70	158.20			MASSIVE SULPHIDES: mottled yellow, massive, vuggy, hard, highly broken, basal contact: 55 degree angle to c.a., 30% quartz interstital, 50% pyrite massive/semi-massive, 5% galena disseminations) veins, 5% sphalerite disseminations) veins.	
R	148.70	158.20			PYRITE IS DISSEMIATED FINE, EUHEDRAL TO MASSIVE VUGGY.	
R	148.70	158.20			QUARTZ IS PATCHY INTERSTITIAL.SPHALERITE OCCURS AS IRREGULAR	
R	148.70	158.20			AGGREGATES CLOTS AND IRREGULAR VEINLETS AND IS LIGHT BROWN	
R	148.70	158.20			GALENA OCCURS AS DISSEMINATIONS AND STREAKY VEINS QUARTZ	
R	150.40	150.45			#T26214; MASSIVE PYRITE/SPHALERITE/QUARTZ	
R	154.70	158.20			QUARTZ DEFICIENT,WITH SMALL AMOUNTS OF QUARTZ LINING SOME VUGGS	
					155.70- 157.00: 100% MASSIVE SULPHIDES: mottled yellow, massive, vuggy, hard, highly broken, basal contact: 55 degree angle to c.a., 30% quartz interstital, 50% pyrite massive/semi-massive, 0.3% galena disseminations of, 5%	

424522

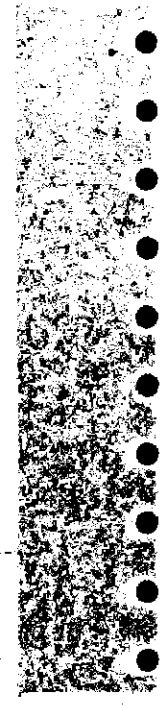
R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					sphalerite disseminations) veins.	
	158.20	163.40			BRECCIATED SILTSTONE: gray mottled, hard, highly broken, 20% clay stockwork.	
R	158.20	163.40			SILTSTONE/DOLOMITE IS BRECCIATED,FORMING STOCKWORK OF	
R	158.20	163.40			INTERSTITIAL CLAY (AFTER CARBONATE ?) , SILTSTONE (DUE	
R	158.20	163.40			WEATHERING)	
					158.20- 163.40: 40% BRECCIATED IRREGULARLY INTERBEDDED DOLOMITE.	
	163.40	166.80			SHEAR (ZONE): medium graphitic, medium calcareous, hard, moderately broken, basal contact: 40 degree angle to c.a., shear: 35 degree angle to c.a., sheared base, 10% carbonate veins of, 2.5% pyrite disseminations of.	
R	163.40	166.80			STRONGLY SHEARED CARBONACEOUS SILTSTONE STRONGLY CALCAREOUS	
R	163.40	166.80			TOWARD BASE TIGHT DISCORDANT FOLDING NEAR BASE (CONVOLUTE)	
					166.50- 166.80: 100% SHEAR (ZONE): medium graphitic, medium calcareous, hard, moderately broken, basal contact: 40 degree angle to c.a., shear: 35 degree angle to c.a., sheared base, 10% carbonate veins of, 10% pyrite replacive, 5% galena disseminations of.	
	166.80	167.00			MASSIVE SULPHIDES: medium yellow, sharp irregular base, 80% pyrite replacive, 5% galena disseminations = veins, 10% pyrrhotite 1% sphalerite disseminations of.	
R	166.80	167.00			MASSIVE SULPHIDE REPLACING DOLOMITE INWARD FROM MARGIN.	
	167.00	265.00			CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 1% pyrite disseminations) veins, trace galena veins of, trace sphalerite veins of.	
R	167.00	265.00			GENERALLY COARSED CRYSTALLINE CARBONATE WITH WEAK FIZZ IN ALL	
R	167.00	265.00			(?FERROAN DOLOMITE).LOCALLY INTERMIXED WITH MAGNESITE &	
R	167.00	265.00			SIDERITE,THE LATTER SOMETIMES AS HALOES AROUND WIDE SPACED	
R	167.00	265.00			DIFFUSE BASE METAL VEINS.DEGREE OF RECRYSTALLISATION DECREASES	
R	167.00	265.00			DOWNWARD,WITH REMNANT PATCHES OF GREY NON-CRYSTALLINE	
R	167.00	265.00			STYLOLITIC DOLOMITE. 1 - 3 % PYRITE OCCURS THROUGHOUT AS	
R	167.00	265.00			DISSEMINATIONS AND VEINS AND IN DIFFUSE PYRITE - PYRRHOTITE -	
R	167.00	265.00			CARBONATE - SPHALERITE- GALNA "VEINS" AND PATCHES,WHICH APPEAR	
R	167.00	265.00			REPLACIVE. PATCHY INTERSTITIAL MAGETITE SOMETIMES ACCOMPANIED	
R	167.00	265.00			BY PYRITE, OCCURS IN COARSELY CRYSTALLINE INTERVALS MAINLY NEAR	
R	167.00	265.00			CONTACTS.	

424523

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

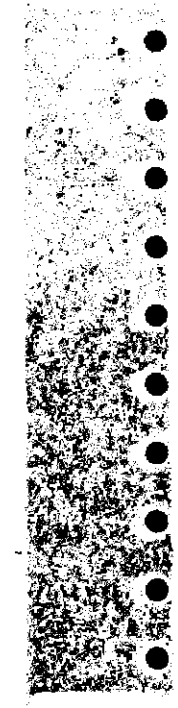
	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	167.00	185.50			UNDER BINOCULAR MICROSCOPE PYRITE IS REPLACING PYRRHOTITE FROM	
R	167.00	185.50			MARGINS AND AS INTERNAL EUHEDRAL CRYSTALS. 167.00- 185.50: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 5% siderite patches, 5% magnetite patches, 2.5% pyrite disseminations = veins, 1% galena disseminations of, 2.5% pyrrhotite 0.3% sphalerite disseminations of.	
R	169.70	169.80			#T26215: PY-PR-MT IN CALCITE - MAGNESITE GANGUE (?) PY REPLACES	
R	169.70	169.80			PR. 181.50- 185.50: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 10% siderite patches, 2.5% magnetite patches, 1% pyrite disseminations) veins, trace galena veins of, 50% magnesite patches, trace sphalerite veins of. 185.50- 186.30: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 30% pyrite disseminations of, trace galena veins of, absent pyrrhotite 1% sphalerite disseminations of. 186.30- 200.05: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 1% pyrite disseminations of, trace galena veins of, trace sphalerite veins of. 200.05- 201.80: 100% VEIN: vein: 30 degree angle to c.a., diffuse base, 60% carbonate interstital, 20% pyrite disseminations = veins, 2.5% galena disseminations of, 10% pyrrhotite 1% sphalerite disseminations of. 201.80- 203.00: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, veined, brecciated, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 2.5% pyrite veins of, trace galena veins of, 1% pyrrhotite trace sphalerite veins of. 214.50- 214.70: 100% CARBONATE: white gray, carbonated fine	



424524

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 30% pyrite veins of, trace galena veins of, 5% sphalerite veins of. 227.20- 228.10: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 10% pyrite disseminations = veins, 1% galena disseminations = veins, 1% sphalerite disseminations = veins. 232.30- 232.60: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 30% pyrite disseminations = veins, 1% galena disseminations = veins, 5% sphalerite disseminations = veins.	
R	237.90	240.10			EARLY FORMED CARBONATE IS BRECCIATED WITH MAGNETITE AND	
R	237.90	240.10			PYRRHOTITE FORMING STOCKWORK OF FINE VEINS DISPLACED BY	
R	237.90	240.10			MICROFAULTS.	
					237.90- 240.10: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, recrystallised, veined, brecciated, hard, moderately broken, microfault: 20 degree angle to c.a., vein: 40 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite veins of, 1% pyrite disseminations > veins, trace galena veins of, 5% magnesite patches, 2.5% pyrrhotite trace sphalerite veins of. 244.00- 245.40: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 2.5% pyrite disseminations > veins, 0.3% galena disseminations = veins, 0.3% sphalerite disseminations = veins. 245.40- 246.00: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, hard, moderately broken, contact: 20 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 20% pyrite disseminations of, trace galena veins of, 2.5% sphalerite disseminations of. 246.00- 249.05: 100% CARBONATE: white gray, carbonated fine	



424525

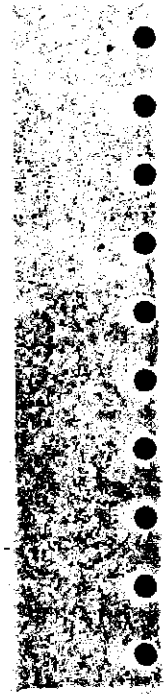
R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					grainsize, magnetite, pyritic, massive, recrystallised, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 2.5% magnetite patches, 1% pyrite disseminations = veins, 0.1% galena disseminations of, trace sphalerite veins of.	
R	249.05	250.80			REPLACING DISSEMINATED SULPHIDES .SPHALERITE IS DARK	
R	249.05	250.80			BROWN/BLACK WITH LIGHT BROWN REACTION RIMS.	
					249.05- 250.80: 100% SEMI MASSIVE SULPHIDES: contact: 30 degree angle to c.a., diffuse base, 20% pyrite disseminations of, 2.5% galena disseminations of, 5% sphalerite disseminations of.	
R	250.80	253.00			PYRITE GRAINS OFTEN HAVE PYRRHOTITE RIMS.	
					250.80- 260.70: 90% DOLOMITE: very dark epidotized, massive, stylolitic, veined, brecciated, 20% carbonate veins of, 1% pyrite disseminations = veins, 1% pyrrhotite.	
					260.70- 265.00: 100% CARBONATE: white gray, carbonated fine grainsize, magnetite, pyritic, massive, partly recrystallised, veined, brecciated, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp irregular base, 90% carbonate massive/semi-massive, 5% magnetite breccia fillings of, 1% pyrite disseminations = veins, trace galena veins of, 1% pyrrhotite trace sphalerite veins of.	
	265.00	268.40			CALCAREOUS SHALE: black, light graphitic, light calcitic, basal contact: 30 degree angle to c.a., sharp irregular base, 10% carbonate veins of, 1% pyrite disseminations of.	
					265.00- 268.40: 50% INTERMIXED DOLOMITE: gray mottled.	
	268.40	289.60			CALCAREOUS SHALE: black, light graphitic, light calcitic, laminated, finely bedded, soft sediment slumping, bedding: 30 degree angle to c.a., fracture: 15 degree angle to c.a., faulted base, 2.5% carbonate veins of, 2.5% pyrite layers/bedded.	
R	268.40	289.60			COUNTERED FLDS LOCALLY DUE SLUMPING, AND LOCAL BOUDINAGING OF	
R	268.40	289.60			SILTSTONES.SULPHIDES LOCALLY REPLACING SELECTIVE SILTSTONE	
R	268.40	289.60			BANDS.NUMEROUS SHALLOW-ANGLE GRAPHITIC SHEAR SURFACES AT 10 -	
R	268.40	289.60			40 DEG C.A. SOMETIMES SLICKENSIDED (DIAGNOALLY), LOCALLY CLOSE	
R	268.40	289.60			FOLDED WITH WEAK AXIAL PLANE CLEAVAGE.	
					268.40- 289.60: 10% FINELY INTERBEDDED SILTSTONE: finely bedded, slickensides: 35 degree angle to c.a..	
					282.50- 284.50: 100% CALCAREOUS SHALE: black, light graphitic, light calcitic, laminated, finely bedded, soft sediment slumping, cleavage: 25 degree angle to c.a., fold axis: 25 degree angle to c.a., faulted base, 2.5% carbonate veins of,	

424526

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					2.5% pyrite layers/bedded.	
	289.60	290.40			FAULT: black, light graphitic, light calcitic, soft, highly broken, shear: 40 degree angle to c.a..	
	290.40	310.40			SILTSTONE: medium gray, laminated, finely bedded, soft sediment slumping, microfaults, hard, moderately broken, microfault: 30 degree angle to c.a., 0.3% pyrite disseminations of, 0.3% pyrrhotite.	
R	290.40	310.40			PRIMARY SOFT-SEDIMENTS DEFORMATION STRUCTURES VARIABLY	
R	290.40	310.40			OVERPRINTED BY SHEARS FRACTURES MICROFAULTS. THE LATTER FORM	
R	290.40	310.40			SETS AT 30 - 40 DEG AND 60 - 70 DEG TO C.A. BCA'S VARY 20 -80	
R	290.40	310.40			DEG.	
					290.40- 310.40: 30% INTERBEDDED SANDSTONE: light gray, finely bedded, medium bedded, boudinaged.	
					290.40- 310.40: 10% MELANGE: gray mauve, very dark calcitic.	
	310.40	310.80			FAULT: black, pale graphitic, dark calcitic, hard, highly broken, slickensides: 80 degree angle to c.a., shear: 50 degree angle to c.a., gradational base, 10% carbonate interstital, 5% pyrite in shear/fault.	
	310.80	312.70			ALTERED RX ANY ROCK,GEN: very dark gray, medium graphitic, medium calcitic, massive, sheared, brecciated, hard, moderately broken, diffuse base, 10% carbonate interstital, 2.5% chlorite interstital, 2.5% epidote interstital.	
R	310.80	312.70			POSSIBLY A SHEARED SILTSTONE,WITH A PATCH OF SKARN-LIKE	
R	310.80	312.70			ALTERATION	
					310.80- 311.10: 100% ALTERED RX ANY ROCK,GEN: very dark gray, medium epidotized, medium chloritic, massive, sheared, brecciated, hard, moderately broken, diffuse base, 10% carbonate interstital, 2.5% chlorite interstital, 2.5% epidote interstital.	
	312.70	318.70			SILTSTONE: black, medium graphitic, dark calcitic, laminated, indistintly bedded, sheared, hard, moderately broken, bedding: 30 degree angle to c.a., basal contact: 25 degree angle to c.a., sharp irregular base, 5% pyrite layers/bedded.	
					312.70- 317.00: 100% SILTSTONE: black, bleached, dark calcitic, laminated, indistintly bedded, microfaults, brecciated, hard, moderately broken, bedding: 30 degree angle to c.a., basal contact: 25 degree angle to c.a., sharp irregular base, 10% carbonate breccia fillings of, 5% pyrite layers/bedded, 2.5% epidote interstital.	



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R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					315.50- 316.50: 100% SILTSTONE: black, medium graphitic, dark calcitic, laminated, indistintly bedded, sheared, hard, moderately broken, bedding: 30 degree angle to c.a., shear: 30 degree angle to c.a., sharp irregular base, 5% pyrite layers/bedded. 317.00- 318.00: 100% SILTSTONE: black, pale graphitic, dark calcitic, laminated, indistintly bedded, sheared, hard, moderately broken, bedding: 30 degree angle to c.a., shear: 30 degree angle to c.a., sharp irregular base, 5% pyrite layers/bedded.	
	318.70	322.05			ALTERED MUDSTONE: lighter brown, massive, sheared, brecciated, hard, moderately broken, microfault: 30 degree angle to c.a., faulted base, 5% quartz patches, 0.3% pyrite veins of, 5% chlorite pervasive, 5% epidote patches.	
R	318.70	322.05			A LIGHT BROWN MUDSTONE MICROFAULT AND 60% SHEARED BRECCIATED	
R	318.70	322.05			THE FRACUTRES AND BRECCIAS ZONES PROVIDED ACCESS TO	
R	318.70	322.05			HYDROTHERMAL FLUIDS RESPONSIBLE FOR PATCHY INTERSTITAL	
R	318.70	322.05			QUARTZ-EPIDOTE ETC. ALTERATION SKARN-LIKE.	
R	321.40	321.50				
R	321.40	321.50			#T26216:EP-GL ALTERATION	
	322.05	360.30			DOLOMITE: light gray, pale graphitic, massive, stylolitic, fault: 65 degree angle to c.a., 10% carbonate veins of, 5% pyrite in shear/fault.	
R	322.05	360.30			TALCOSE PORTIONS GENERALLY POSSESS A PENETRATIVE FABRIC,DEFINED	
R	322.05	360.30			BY TALCOSE STRINGERS,AT 30 DEG C.A. 322.05- 360.30: 40% DOLOMITE: medium gray, talcose, massive, 30% talc disseminations of.	
	360.30	361.40			FAULT: talcose, pale graphitic, fault: 70 degree angle to c.a..	
	361.40	405.20			DOLOMITE: talcose, massive, basal contact: 50 degree angle to c.a., gradational base, 2.5% carbonate veins of, 20% talc disseminations of, .03% pyrite disseminations of. 376.40- 377.10: 100% DOLOMITE: talcose, banded, bedding: 20 degree angle to c.a., basal contact: 50 degree angle to c.a., gradational base, 2.5% carbonate veins of, 20% talc disseminations of, .03% pyrite disseminations of. 377.10- 382.30: 100% DOLOMITE: talcose, massive, basal contact: 80 degree angle to c.a., sharp irregular base, 2.5% carbonate veins of, 20% talc disseminations of, 2.5% pyrite disseminations of.	

424528

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ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
R	382.30	382.60			#T26217; MASSIVE PY-JAMESONITE ? (ACTUALY BOULANGERITE) 382.30- 383.00: 100% MASSIVE SULPHIDES: 5% carbonate interstital, 60% pyrite massive/semi-massive. 383.00- 387.15: 100% DOLOMITE: talcose, massive, basal contact: 70 degree angle to c.a., gradational base, 2.5% carbonate veins of, 20% talc disseminations of, 5% pyrite disseminations) veins.	
R	387.15	387.90			THIS ZONE MAY HAVE PROVIDED FLUID ACCESS BASALT CONTACT IS	
R	387.15	387.90			FUALTED AT 45 DEG TO C.A. 387.15- 387.90: 100% DOLOMITE: silty, banded, brecciated, microfaults, banding: 80 degree angle to c.a., microfault: 45 degree angle to c.a., gradational base, 5% quartz breccia fillings of, 10% carbonate breccia fillings of, 20% pyrite disseminations = veins.	
R	387.90	389.70			THE MASSIVE SULPHIDES APPEAR TO BE REPLACING BRECCIATED	
R	387.90	389.70			DOLOMITE WITH A BASAL FRACTURE SYSTEM PROVIDING FLUID ACCESS. 387.90- 389.70: 100% MASSIVE SULPHIDES: basal contact: 80 degree angle to c.a., diffuse base, 10% quartz interstital, 5% carbonate interstital, 70% pyrite massive/semi-massive, .03% galena disseminations of, 5% sphalerite disseminations of. 389.70- 390.80: 100% DOLOMITE: talcose, massive, basal contact: 50 degree angle to c.a., gradational base, 2.5% carbonate veins of, 20% talc disseminations of, 1% pyrite disseminations of. 391.60- 394.30: 100% DOLOMITE: talcose, massive, brecciated, basal contact: 30 degree angle to c.a., faulted base, 2.5% carbonate veins of, 20% talc disseminations of, .03% pyrite disseminations of.	
	405.20	411.30			SHALE: black, calcitic, medium carbonaceous, laminated, hard, moderately broken, bedding: 45 degree angle to c.a., basal contact: 40 degree angle to c.a., faulted base, 5% carbonate veins of, 0.3% pyrite veins of. 405.20- 411.30: 50% FINELY INTERBEDDED SILTSTONE: medium gray, calcitic, laminated, finely bedded.	
	411.30	415.50			CARBONATE: white, massive, stylolitic, hard, moderately broken, basal contact: 45 degree angle to c.a., sharp base, 5% pyrite patches, 90% magnesite.	
	415.50	417.00			SHALE: black, calcitic, medium carbonaceous, laminated, fractured, hard, moderately broken, fracture: 35 degree angle to c.a., 2.5% carbonate veins of. 415.50- 417.00: 20% INTER BEDDING CARBONATE: white, massive.	

424529

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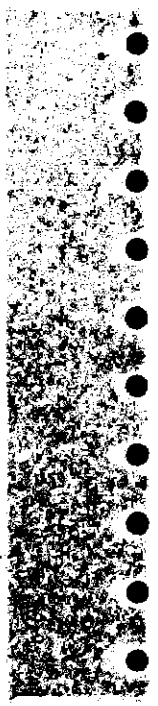
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
					415.50- 417.00: 30% INTER BEDDING DOLOMITE: medium gray, massive. 415.50- 417.00: 10% INTER BEDDING SILTSTONE: gray brown, bleached, laminated, bedding: 35 degree angle to c.a..	
	417.00	418.40			SHALE: black, brecciated, hard, moderately broken, 10% carbonate breccia fillings of, 2.5% pyrite disseminations of, 1% pyrite layers/bedded.	
	418.40	428.90			DOLOMITE: medium gray, massive, brecciated, gradational base, 10% carbonate veins of, .03% pyrite veins of. 418.40- 423.40: 100% DOLOMITE: medium gray, talcose, massive, brecciated, gradational base, 5% carbonate veins of, 50% talc replacive, .03% pyrite veins of. 427.50- 428.90: 100% DOLOMITE: medium gray, talcose, massive, brecciated, gradational base, 10% carbonate veins of, 50% talc replacive, .03% pyrite veins of.	
	428.90	430.60			DOLOMITE: pale grey, massive, stylolitic, basal contact: 40 degree angle to c.a., sharp base, 2.5% carbonate veins of, 1% talc veins of, 1% oyrite disseminations = veins.	
	430.60	431.50			MASSIVE GRAPHITE: basal contact: 50 degree angle to c.a., sharp irregular base, 90% graphite massive/semi-massive.	
	431.50	474.00			CARBONATE: pale mauve, massive, stylolitic, hard, moderately broken, basal contact: 40 degree angle to c.a., sharp planar base, 5% carbonate veins of, 0.3% pyrite disseminations < veins, 1% serpentine disseminations < veins.	
R	431.50	474.00			THE TALC-CARBONATE FORMS IRREGUALR REPLACIVE PATCHES SCATTERED	
R	431.50	474.00			THROUGHOUT THE MAUVE CARBONATE. THE LATTER EXHIBIT REMNANT	
R	431.50	474.00			STYLOLITES.DARK OLIVE-GREEN SERPENTINE ? ALTERATION IN THE FORM	
R	431.50	474.00			OF IRREGULAR VEINS AND DISSEMINATIONS OVERPRINTS EARLIER	
R	431.50	474.00			ALTERATION FEATURES AND IS ASSOCIATED WITH DIFFUSE PATCHY	
R	431.50	474.00			SILICIFICATION ACCOMPANIED BY MINOR DISSEMINATIONS PYRRHOTITE	
R	431.50	474.00			AND PATCHY DISSEMINATED MAGNETITE. 431.50- 474.00: 30% INTERMIXED TACL CARBONATE: light green.	
R	448.50	448.60			PATCH OF LIGHT REDDISH SILICA 448.90- 464.70: 100% CARBONATE: pale mauve, silty, massive, stylolitic, hard, moderately broken, basal contact: 40 degree angle to c.a., sharp planar base, 10% carbonate patches, 1% magnetite patches, 0.3% pyrite disseminations < veins, 5% serpentine disseminations < veins, 1% pyrrhotite.	
R	462.60	462.70			#T26218: BRECCIATED, SERPENTITE ALTERED CARBONATE, 2- -3 % PR.	



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ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					471.20- 471.40: 100% CARBONATE: pale mauve, banded, stylolitic, hard, moderately broken, banding: 60 degree angle to c.a., basal contact: 40 degree angle to c.a., sharp planar base, 5% carbonate veins of, 0.3% pyrite disseminations < veins, 1% serpentine disseminations < veins. 471.40- 473.00: 100% CARBONATE: pale mauve, massive, stylolitic, brecciated, hard, moderately broken, basal contact: 40 degree angle to c.a., sharp planar base, 5% carbonate patches, 0.3% pyrite disseminations < veins, 5% serpentine disseminations < veins, 1% pyrrhotite.	
	474.00	475.20			TACL CARBONATE: light green, firm, moderately broken, sharp irregular base. 474.00- 475.20: 30% INTERMIXED CARBONATE: white.	
	475.20	485.75			CARBONATE: gray mottled, hard, moderately broken, basal contact: 60 degree angle to c.a., 2.5% magnetite disseminations of.	
R	475.20	485.75			THE CARBONATE IS RE CRYSTALLISED AND BRECCIATED TO VARYING	
R	475.20	485.75			DEGREES WITH PATCHY MAGNETITE SKRAN.MAGNETITE OCCURS AS	
R	475.20	485.75			DISSEMINATIONS ALONG FINE FRACTURES AND AS AGGREGATES.CARBONATE	
R	475.20	485.75			IS A MIXTURE OF ?DOLOMITE & MAGNESITE. 475.20- 485.75: 50% SKARN: mottled black, magnetite fine grainsize, 20% magnetite disseminations of, 1% pyrite disseminations of, 1% pyrrhotite. 475.20- 485.75: 2.5% SKARN: medium green, serpentinized fine grainsize, pyrrhotitic, magnetite, 5% magnetite disseminations of, 50% serpentine massive/semi-massive, 5% pyrrhotite. 475.20- 476.10: 100% CARBONATE: gray mottled, hard, moderately broken, basal contact: 60 degree angle to c.a., 2.5% magnetite disseminations of, 2.5% pyrrhotite.	
R	477.70	477.80			T11869; MAGNETITE SKARN	
	485.75	486.20			SKARN: mottled green, serpentinized fine grainsize, pyrrhotitic, talcose, hard, moderately broken, 20% talc pervasive, 20% serpentine pervasive, 10% pyrrhotite.	
	486.20	490.10			DOLOMITIC SANDSTONE: light gray, finely bedded, well bedded, hard, moderately broken, bedding: 75 degree angle to c.a., diffuse base, 2.5% carbonate pervasive, 2.5% talc pervasive, 2.5% serpentine pervasive, 1% epidote veins of, 2.5% pyrrhotite. 486.20- 490.10: 40% FINELY INTERBEDDED SILTSTONE: dark gray, finely bedded.	

4245531

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SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

	Interval From (m)	Interval To (m)	Rec. (m)	RQD (m)	Description	Formation
					486.20- 490.10: 20% IRREGULARLY INTERBEDDED DOLOMITE: light gray, finely bedded, medium bedded. 489.75- 489.95: 100% DOLOMITIC SANDSTONE: light gray, finely bedded, well bedded, hard, moderately broken, bedding: 75 degree angle to c.a., diffuse base, 2.5% carbonate pervasive, 2.5% talc pervasive, 2.5% serpentine pervasive, 1% epidote veins of, 10% pyrrhotite.	
	490.10	505.00			SILTSTONE: gray brown, finely bedded, medium bedded, microfaults, bedding: 45 degree angle to c.a., basal contact: 50 degree angle to c.a., sharp base, 1% pyrite disseminations < veins. 490.35- 490.55: 100% VEIN: vein: 5 degree angle to c.a., 10% quartz veins of, 5% serpentine veins of, 5% epidote veins of, 10% pyrrhotite. 494.20- 496.30: 90% DOLOMITE: light gray, bedded, 0.1% galena veins of, 0.3% epidote veins of, 0.3% pyrrhotite. 502.40- 503.20: 100% SILTSTONE: gray brown, finely bedded, medium bedded, brecciated, texture obliterated by alteration, bedding: 45 degree angle to c.a., basal contact: 50 degree angle to c.a., sharp base, 5% talc replacive, 1% pyrite disseminations < veins, epidote disseminations = veins, 5% pyrrhotite.	
	505.00	526.50			MELANGE: gray mottled, massive, 1% carbonate veins of, 1% epidote veins of, chlorite disseminations = veins, 1% pyrrhotite.	
R	505.00	526.50			ANGULAR TO SUB-ANGULAR CLASTS MAINLY OF SANDSTONE AND LESSER	
R	505.00	526.50			AMOUNTS OF QUARTZ SILTSTONE AND DOLOMITE IN A BLACK GRAPHITIC	
R	505.00	526.50			MATRIX.PYRRHOTITE OCCURS IN VEINS, AND REPLACING DOLOMITIC	
R	505.00	526.50			FRAGMENTS.	
					509.85- 510.40: 100% MELANGE: gray mottled, massive, sheared, shear: 45 degree angle to c.a., 1% carbonate veins of, 5% pyrite pervasive, 2.5% galena pervasive, 1% epidote veins of, chlorite disseminations = veins, 20% pyrrhotite 1% sphalerite pervasive. 521.00- 524.70: 100% MELANGE: gray mottled, massive, veined, vein: 10 degree angle to c.a., 1% carbonate veins of, 0.1% pyrite disseminations = veins, 0.3% galena disseminations = veins, 1% epidote veins of, chlorite disseminations = veins, 5% pyrrhotite 0.3% sphalerite disseminations = veins.	

424532

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
91.10	93.00	28630	135	190	1000	4	-5.00	-5.00	26.00	4.60
93.00	95.00	28631	125	75	610	9	-5.00	-5.00	20.00	3.40
95.00	97.00	28632	105	100	870	3	-5.00	-5.00	30.00	6.60
97.00	99.00	28633	120	135	365	6	-5.00	-5.00	25.00	4.90
99.00	101.00	28634	45	50	640	10	-5.00	-5.00	18.00	3.50
101.00	103.00	28635								
103.00	105.00	28636	100	90	1350	12	-5.00	-5.00	21.00	4.50
105.00	106.50	28637	120	5	305	5	-5.00	-5.00	4.00	2.00
108.00	109.00	28638	90	60	265	4	-5.00	-5.00	16.00	4.20
120.00	121.00	28639	55	20	225	9	-5.00	-5.00	8.90	4.00
134.00	135.00	28641	30	50	230	4	-5.00	-5.00	64.00	18.00
136.00	137.00	28642	40	35	105	6	-5.00	-5.00	13.00	4.00
138.00	139.00	28643	25	60	105	7	-5.00	-5.00	21.00	7.40
140.00	141.00	28644	35	105	115	11	-5.00	-5.00	21.00	7.00
142.00	143.00	28645	55	100	95	6	-5.00	-5.00	37.00	12.00
144.00	145.00	28646	70	360	150	9	-5.00	-5.00	14.00	7.10
146.00	147.00	28647	40	200	100	17	-5.00	-5.00	75.00	10.00
147.00	148.00	28648	40	1600	1700	42	-5.00	-5.00	89.00	17.00
148.00	148.70	28649	55	5400	10500	59	-5.00	-5.00	26.00	26.50
148.70	150.00	28650	105	29400	60300	28	-5.00	57.00	399.00	355.00
150.00	151.00	28651	50	24800	52700	43	-5.00	67.00	351.00	109.00
151.00	152.00	28652	750	52500	173000	34	-5.00	50.00	52.00	116.00
152.00	153.00	28653	350	46700	145000	15	-5.00	55.00	20.00	151.00
153.00	154.00	28654	400	60300	68600	3	-5.00	32.00	7.60	90.50
154.00	155.00	28655	260	71200	69300	6	-5.00	46.00	4.70	64.60
155.00	156.00	28656	255	24000	46800	19	-5.00	43.00	8.60	35.50
156.00	157.00	28657	230	5650	5200	4	-5.00	20.00	21.00	23.30
157.00	158.20	28658	885	4500	6350	13	-5.00	21.00	22.00	44.90
158.20	159.00	28659	10	290	1900	14	-5.00	-5.00	12.00	18.00
160.00	161.00	28660	10	1200	920	16	-5.00	-5.00	21.00	19.00
162.00	163.40	28661	5	765	4750	8	-5.00	-5.00	29.00	18.00
164.00	165.00	28662	70	3000	2800	50	-5.00	-5.00	33.00	46.40
166.00	167.00	28663	130	20400	4575	67	-12.00	52.00	180.00	250.00
168.00	169.00	28664	40	9800	175	10	-5.00	22.00	33.00	47.10
170.00	171.00	28665	15	11700	2450	8	-5.00	16.00	190.00	43.40
172.00	173.00	28666	15	4350	180	11	-5.00	13.00	18.00	21.60
174.00	175.00	28667	10	500	85	-3	-5.00	-5.00	57.00	4.30
176.00	177.00	28668	25	230	110	7	-5.00	-5.00	328.00	8.90
178.00	179.00	28669	10	155	100	4	-5.00	-5.00	351.00	6.90
180.00	181.00	28670	95	860	170	-3	-5.00	6.70	207.00	42.30
182.00	183.00	28671	20	1250	80	8	-5.00	-5.00	278.00	7.00
184.00	185.00	28672	15	280	145	7	-5.00	-5.00	130.00	5.00

424533

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
185.50	186.30	28673	75	2000	345	-3	17.00	-5.00	100.00	22.70
190.00	191.00	28674	10	40	65	-3	8.10	-5.00	974.00	3.30
194.00	195.00	28675	10	20	50	3	-5.00	-5.00	35.00	0.53
200.00	201.00	28676	445	5950	345	13	10.00	29.00	588.00	32.70
201.00	201.80	28677	275	1030	285	-3	-5.00	6.00	215.00	13.00
201.80	203.00	28678	55	60	60	3	-5.00	-5.00	91.00	6.30
214.00	215.00	28679	210	535	2600	6	8.40	5.60	256.00	2.40
220.00	221.00	28681	10	50	55	-3	-5.00	-5.00	18.00	0.37
227.20	228.10	28682	225	750	1000	17	9.50	-5.00	901.00	6.30
232.30	232.60	28683	320	260	375	6	110.00	-5.00	56.00	29.80
237.90	239.00	28684	10	10	65	4	-5.00	-5.00	110.00	0.62
239.00	240.10	28685	15	15	50	-3	-5.00	-5.00	120.00	0.62
244.00	245.40	28686	25	2350	850	10	7.90	-5.00	680.00	6.10
245.40	246.00	28687	180	7000	12400	50	37.00	-5.00	660.00	14.00
246.00	247.00	28688	15	385	160	-3	-5.00	-5.00	316.00	1.70
247.00	248.00	28689	15	275	165	4	-5.00	-5.00	170.00	1.60
248.00	249.05	28690	15	90	125	5	-5.00	-5.00	63.00	1.00
249.05	250.00	28691	270	9200	45900	118	22.00	13.00	200.00	17.00
250.00	250.80	28692	125	4100	16000	49	18.00	5.90	613.00	8.20
250.80	252.00	28693	15	185	345	-3	-5.00	-5.00	50.00	1.20
256.00	257.00	28694	10	55	105	-3	-5.00	-5.00	52.00	1.00
260.00	261.00	28695	10	15	65	-3	-5.00	-5.00	36.00	0.56
270.00	271.00	28696	55	65	185	12	7.90	-5.00	77.00	14.00
280.00	281.00	28697	60	75	115	6	-5.00	-5.00	66.00	17.00
290.40	291.00	28698	20	20	55	5	-5.00	-5.00	27.00	1.60
310.40	310.80	28699	60	30	135	10	-5.00	-5.00	26.00	19.00
316.00	317.00	29201	80	60	165	5	-5.00	-5.00	81.00	22.00
320.00	321.00	29202	25	25	60	6	-5.00	-5.00	19.00	6.80
330.00	331.00	29203	15	35	150	9	-5.00	-5.00	110.00	19.00
340.00	341.00	29204	10	20	30	-3	-5.00	-5.00	6.30	3.50
350.00	351.00	29205	5	15	20	4	-5.00	-5.00	4.00	1.80
360.00	361.40	29206	65	230	200	18	-5.00	-5.00	83.00	28.00
370.00	371.00	29207	20	115	170	6	-5.00	-5.00	28.00	16.00
378.00	379.00	29208	20	1100	80	8	-5.00	-5.00	57.00	436.00
380.00	381.00	29209	80	2850	55	22	-5.00	-5.00	190.00	30.00
381.00	382.30	29210	30	2650	50	15	-5.00	-5.00	150.00	110.00
382.30	383.00	29211	245	5150	50	84	-90.00	-27.00	140.00	500.00
383.00	384.00	29212	15	270	40	3	5.10	-5.00	226.00	69.40
384.00	385.00	29213	10	195	30	-3	-5.00	-5.00	72.00	69.50
385.00	386.00	29214	10	60	40	-3	-5.00	-5.00	65.00	13.00
386.00	387.15	29215	10	175	30	-3	13.00	-5.00	361.00	33.40
387.15	387.90	29216	25	3350	120	23	18.00	-5.00	502.00	60.00

424534

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

ASSAYS

From	To	Number	COPPER	LEAD	ZINC	TIN	GOLD	SILVER	ARSENIC	ANTIMONY
387.90	389.00	29217	610	42800	43400	129	31.00	93.00	805.00	281.00
389.00	389.70	29218	1500	94800	100300	263	19.00	220.00	489.00	409.00
389.70	391.00	29219	15	600	525	5	-5.00	-5.00	38.00	8.90
400.00	401.00	29221	10	155	125	4	-5.00	-5.00	2.70	13.00
411.30	412.50	29222	10	95	105	3	-5.00	-5.00	140.00	7.00
413.50	414.50	29223	10	90	45	-3	-5.00	-5.00	120.00	6.30
417.00	418.40	29224	20	620	100	3	-5.00	-5.00	36.00	22.40
420.00	421.00	29225	10	125	55	-3	-5.00	-5.00	23.00	9.40
428.90	430.00	29226	10	55	35	-3	-5.00	-5.00	5.10	0.69
440.00	441.00	29227	5	50	35	-3	-5.00	-5.00	15.00	1.70
450.00	451.00	29228	10	65	35	-3	-5.00	-5.00	19.00	2.00
460.00	461.00	29229	10	60	60	-3	-5.00	-5.00	-2.00	0.65
471.40	472.50	29230	10	85	30	4	-5.00	-5.00	5.20	4.40
474.00	475.20	29231	10	65	40	8	-5.00	-5.00	13.00	4.20
476.00	477.00	29232	10	20	260	-3	-5.00	-5.00	64.00	5.20
478.00	479.00	29233	10	-5	40	3	-5.00	-5.00	12.00	1.10
480.00	481.00	29264								
482.00	483.00	29235	5	-5	30	9	-5.00	-5.00	18.00	2.20
484.00	485.00	29236	10	10	50	-3	-5.00	-5.00	15.00	2.80
486.20	487.00	29237	25	150	175	3	-5.00	-5.00	28.00	8.20
489.00	490.10	29238	25	415	425	-3	-5.00	-5.00	59.00	20.00
490.10	491.00	29239	25	80	75	7	-5.00	-5.00	13.00	8.90
494.20	495.20	29241	25	5	60	4	-5.00	-5.00	3.30	3.00
495.20	496.30	29242	15	-5	75	-3	-5.00	-5.00	7.90	2.20
502.40	503.20	29243	150	65	90	-3	-5.00	-5.00	24.00	15.00
509.80	510.40	29244	905	27200	31800	33	-5.00	27.00	42.00	17.00
514.00	515.00	29245	75	50	130	6	-5.00	-5.00	24.00	5.30
521.00	522.00	29246	100	1450	6200	8	-5.00	-5.00	8.20	4.60
523.00	524.00	29247	35	1500	260	5	-5.00	-5.00	33.00	5.00

424535

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 2

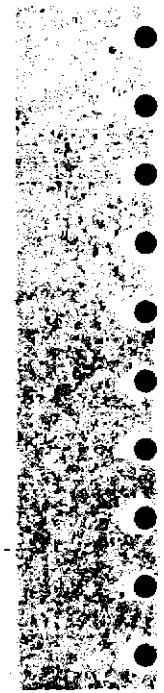
From	To	Number	CHROMIUM	COBALT	HAFNIUM	LANTHANUM	LUTETIUM	POTASSIUM	RUBIDIUM	SAMARIUM	IRON
91.10	93.00	28630	140.0	48.00	6.70	38.00	0.74	2.000	120.0	11.00	7.740
93.00	95.00	28631	380.0	55.00	6.30	32.00	0.67	1.100	70.0	10.00	8.850
95.00	97.00	28632	200.0	46.00	6.00	39.00	0.74	1.700	98.0	10.00	7.550
97.00	99.00	28633	120.0	65.00	5.40	44.00	0.69	2.100	120.0	10.00	6.220
99.00	101.00	28634	330.0	53.00	6.30	36.00	0.70	0.820	56.0	9.40	9.130
101.00	103.00	28635									
103.00	105.00	28636	310.0	49.00	6.40	36.00	0.72	1.300	90.0	10.00	9.060
105.00	106.50	28637	120.0	48.00	7.40	32.00	0.87	0.660	74.0	10.00	10.200
108.00	109.00	28638	240.0	52.00	7.20	40.00	0.84	1.000	81.0	11.00	10.300
120.00	121.00	28639	360.0	75.00	6.20	25.00	0.56	-0.200	-20.0	9.20	12.400
134.00	135.00	28641	400.0	37.00	7.20	31.00	0.76	1.600	100.0	7.80	5.340
136.00	137.00	28642	54.0	8.80	10.00	29.00	0.52	0.930	45.0	6.00	3.400
138.00	139.00	28643	53.0	15.00	6.70	37.00	0.64	2.900	150.0	7.60	2.100
140.00	141.00	28644	79.0	13.00	7.40	42.00	0.68	3.000	170.0	8.30	1.900
142.00	143.00	28645	52.0	22.00	8.30	43.00	0.68	2.900	150.0	8.60	2.000
144.00	145.00	28646	64.0	4.70	8.30	32.00	0.56	1.800	110.0	5.90	2.100
146.00	147.00	28647	68.0	6.40	10.00	48.00	0.85	3.100	190.0	9.20	2.500
147.00	148.00	28648	84.0	10.00	7.90	48.00	0.88	4.100	250.0	9.40	2.400
148.00	148.70	28649	50.0	11.00	5.30	38.00	0.50	1.900	150.0	6.20	6.100
148.70	150.00	28650	31.0	1.40	-1.00	6.00	-0.20	0.510	77.0	-0.20	25.100
150.00	151.00	28651	12.0	1.00	-1.00	0.63	-0.20	0.200	40.0	-0.20	20.900
151.00	152.00	28652	11.0	3.60	-1.00	2.00	-0.20	-0.200	43.0	-0.20	22.000
152.00	153.00	28653	10.0	6.80	-1.00	1.00	-0.20	-0.200	52.0	-0.20	25.500
153.00	154.00	28654	14.0	6.50	-1.00	0.69	-0.20	-0.200	55.0	-0.20	24.100
154.00	155.00	28655	6.8	6.00	-1.00	0.71	-0.20	-0.200	47.0	-0.20	24.600
155.00	156.00	28656	18.0	8.10	-1.00	1.10	-0.20	-0.200	70.0	-0.20	32.700
156.00	157.00	28657	12.0	11.00	-1.00	1.70	-0.20	-0.200	67.0	0.27	36.900
157.00	158.20	28658	20.0	7.10	-1.00	5.10	-0.20	-0.200	74.0	0.45	33.400
158.20	159.00	28659	11.0	8.00	1.00	10.00	-0.20	-0.200	22.0	2.00	10.500
160.00	161.00	28660	11.0	5.40	1.10	7.70	-0.20	-0.200	-20.0	1.40	8.540
162.00	163.40	28661	11.0	8.10	1.50	9.40	-0.20	-0.200	-20.0	1.90	8.550
164.00	165.00	28662	85.0	22.00	4.60	46.00	0.65	2.300	220.0	6.70	9.660
166.00	167.00	28663	50.0	11.00	2.90	31.00	0.64	2.500	160.0	4.10	22.200
168.00	169.00	28664	-5.0	-1.00	-1.00	1.30	-0.20	-0.200	32.0	0.45	14.300
170.00	171.00	28665	-5.0	-1.00	-1.00	0.80	-0.20	-0.200	28.0	0.51	11.700
172.00	173.00	28666	-5.0	-1.00	-1.00	0.77	-0.20	-0.200	20.0	0.31	7.830
174.00	175.00	28667	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.25	6.030
176.00	177.00	28668	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.25	8.310
178.00	179.00	28669	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.31	7.740
180.00	181.00	28670	-5.0	-1.00	-1.00	0.89	-0.20	-0.200	34.0	0.39	17.500
182.00	183.00	28671	6.5	-1.00	-1.00	1.10	-0.20	-0.200	31.0	0.31	12.500
184.00	185.00	28672	6.0	-1.00	-1.00	0.76	-0.20	-0.200	-20.0	0.23	7.100

424536

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 2

From	To	Number	CHROMIUM	COBALT	HAFNIUM	LANTHANUM	LUTETIUM	POTASSIUM	RUBIDIUM	SAMARIUM	IRON
185.50	186.30	28673	9.1	-1.00	-1.00	0.63	-0.20	-0.200	48.0	-0.20	24.000
190.00	191.00	28674	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	-0.20	1.400
194.00	195.00	28675	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	-0.20	1.400
200.00	201.00	28676	5.8	2.00	-1.00	5.30	-0.20	-0.200	66.0	0.94	34.200
201.00	201.80	28677	6.3	-1.00	-1.00	3.20	-0.20	-0.200	44.0	0.63	18.700
201.80	203.00	28678	-5.0	-1.00	-1.00	1.40	-0.20	-0.200	-20.0	0.34	8.140
214.00	215.00	28679	-5.0	-1.00	-1.00	0.81	-0.20	-0.200	-20.0	0.28	6.510
220.00	221.00	28681	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	-0.20	1.000
227.20	228.10	28682	-5.0	-1.00	-1.00	3.70	-0.20	-0.200	36.0	0.84	14.900
232.30	232.60	28683	68.0	14.00	2.80	36.00	0.37	2.000	130.0	7.10	2.400
237.90	239.00	28684	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.24	4.500
239.00	240.10	28685	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.26	5.730
244.00	245.40	28686	-5.0	1.60	-1.00	2.00	-0.20	-0.200	-20.0	0.47	3.000
245.40	246.00	28687	11.0	-1.00	-1.00	11.00	-0.20	-0.200	38.0	2.20	15.900
246.00	247.00	28688	-5.0	-1.00	-1.00	0.73	-0.20	-0.200	-20.0	0.32	2.000
247.00	248.00	28689	-5.0	1.30	-1.00	1.10	-0.20	-0.200	-20.0	0.33	2.400
248.00	249.05	28690	-5.0	1.10	-1.00	4.70	-0.20	-0.200	-20.0	1.10	2.300
249.05	250.00	28691	11.0	2.20	-1.00	5.50	-0.20	-0.200	27.0	1.50	15.400
250.00	250.80	28692	-5.0	1.40	-1.00	5.40	-0.20	-0.200	-20.0	1.60	11.100
250.80	252.00	28693	-5.0	1.20	-1.00	2.20	-0.20	-0.200	-20.0	0.44	2.100
256.00	257.00	28694	-5.0	2.50	-1.00	1.60	-0.20	-0.200	-20.0	0.48	2.300
260.00	261.00	28695	-5.0	1.40	-1.00	1.50	-0.20	-0.200	-20.0	0.57	3.900
270.00	271.00	28696	130.0	19.00	5.00	46.00	0.78	3.600	210.0	10.00	3.700
280.00	281.00	28697	79.0	23.00	5.80	47.00	0.77	3.300	200.0	10.00	3.900
290.40	291.00	28698	76.0	6.70	6.50	47.00	0.77	3.500	170.0	10.00	3.600
310.40	310.80	28699	100.0	34.00	4.20	28.00	0.57	2.300	170.0	8.10	8.200
316.00	317.00	29201	75.0	22.00	3.60	35.00	0.58	2.000	100.0	7.50	5.200
320.00	321.00	29202	100.0	22.00	5.60	55.20	0.71	3.300	160.0	10.00	4.900
330.00	331.00	29203	53.0	24.00	2.90	31.00	0.42	-0.200	-20.0	5.40	3.600
340.00	341.00	29204	-5.0	-1.00	-1.00	0.54	-0.20	-0.200	-20.0	0.22	1.100
350.00	351.00	29205	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	-0.20	0.510
360.00	361.40	29206	68.0	25.00	3.40	34.00	0.62	2.100	120.0	6.70	4.200
370.00	371.00	29207	-5.0	4.10	-1.00	3.10	-0.20	-0.200	-20.0	0.72	2.400
378.00	379.00	29208	-5.0	-1.00	-1.00	0.83	-0.20	0.760	-20.0	0.29	2.000
380.00	381.00	29209	-5.0	-1.00	-1.00	0.71	-0.20	1.900	-20.0	0.32	4.400
381.00	382.30	29210	-5.0	-1.00	-1.00	0.89	-0.20	2.300	-20.0	0.26	3.300
382.30	383.00	29211	-44.0	-3.90	-3.00	6.10	-1.60	91.200	-75.0	-0.20	24.900
383.00	384.00	29212	-5.0	-1.00	-1.00	1.60	-0.20	-0.200	-20.0	0.59	7.700
384.00	385.00	29213	-5.0	-1.00	-1.00	0.54	-0.20	-0.200	-20.0	0.30	4.100
385.00	386.00	29214	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.34	2.600
386.00	387.15	29215	18.0	-1.00	-1.00	1.20	-0.20	-0.200	27.0	0.47	12.100
387.15	387.90	29216	10.0	2.70	-1.00	2.10	-0.20	-0.200	-20.0	0.76	19.700



424537

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 2

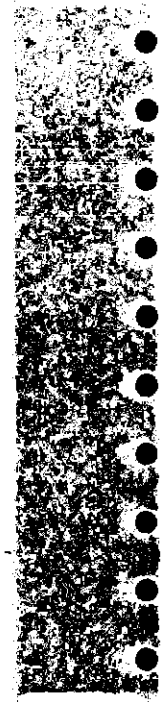
From	To	Number	CHROMIUM	COBALT	HAFNIUM	LANTHANUM	LUTETIUM	POTASSIUM	RUBIDIUM	SAMARIUM	IRON
387.90	389.00	29217	17.0	-1.00	-1.00	4.20	-0.20	0.370	22.0	0.59	32.500
389.00	389.70	29218	15.0	-1.00	-1.00	1.30	-0.20	1.000	-20.0	-0.20	18.100
389.70	391.00	29219	-5.0	-1.00	-1.00	1.00	-0.20	-0.200	-20.0	0.38	1.800
400.00	401.00	29221	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	-0.20	0.630
411.30	412.50	29222	7.4	12.00	-1.00	1.60	-0.20	-0.200	-20.0	0.50	5.530
413.50	414.50	29223	11.0	34.00	-1.00	1.60	-0.20	-0.200	-20.0	0.57	9.330
417.00	418.40	29224	43.0	20.00	2.60	31.00	0.28	0.870	53.0	5.60	5.450
420.00	421.00	29225	5.5	1.90	-1.00	4.40	-0.20	-0.200	-20.0	1.10	4.200
428.90	430.00	29226	-5.0	-1.00	-1.00	2.60	-0.20	-0.200	-20.0	0.80	1.700
440.00	441.00	29227	-5.0	-1.00	-1.00	2.60	-0.20	-0.200	-20.0	0.74	1.500
450.00	451.00	29228	-5.0	1.40	-1.00	1.50	-0.20	-0.200	-20.0	0.38	3.100
460.00	461.00	29229	-5.0	-1.00	-1.00	0.57	-0.20	-0.200	-20.0	0.28	5.190
471.40	472.50	29230	-5.0	2.90	-1.00	1.20	-0.20	-0.200	-20.0	0.39	4.800
474.00	475.20	29231	-5.0	-1.00	-1.00	1.10	-0.20	-0.200	-20.0	0.39	2.500
476.00	477.00	29232	-5.0	-1.00	-1.00	-0.50	-0.20	-0.200	-20.0	0.48	9.330
478.00	479.00	29233	-5.0	-1.00	-1.00	0.78	-0.20	-0.200	-20.0	0.35	5.990
480.00	481.00	29264									
482.00	483.00	29235	-5.0	-1.00	-1.00	0.63	-0.20	-0.200	-20.0	0.36	9.550
484.00	485.00	29236	-5.0	-1.00	-1.00	0.80	-0.20	-0.200	-20.0	0.33	12.200
486.20	487.00	29237	32.0	10.00	1.80	15.00	0.26	-0.200	-20.0	3.20	4.300
489.00	490.10	29238	83.0	23.00	5.30	42.00	0.59	2.300	150.0	8.70	5.150
490.10	491.00	29239	98.0	24.00	5.50	52.40	0.72	4.200	220.0	11.00	6.070
494.20	495.20	29241	31.0	9.10	1.60	16.00	0.20	1.000	58.0	3.20	3.100
495.20	496.30	29242	20.0	6.30	1.20	11.00	-0.20	0.280	22.0	2.10	2.400
502.40	503.20	29243	61.0	52.00	3.80	33.00	0.52	2.200	130.0	7.40	8.740
509.80	510.40	29244	34.0	66.00	4.90	21.00	0.28	-0.200	28.0	3.80	17.600
514.00	515.00	29245	80.0	16.00	7.40	49.00	0.78	2.800	180.0	10.00	3.600
521.00	522.00	29246	120.0	21.00	5.70	43.00	0.64	1.700	120.0	8.70	8.490
523.00	524.00	29247	79.0	20.00	6.00	46.00	0.75	2.900	170.0	9.30	4.800
524.00	525.00	29248	69.0	19.00	6.10	43.00	0.72	2.200	130.0	8.80	6.740

424538

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 3

From	To	Number	SCANDIUM	TANTALUM	THORIUM	CALSIUM	YTTERBIUM
91.10	93.00	28630	32.10	2.70	8.60	17.00	
93.00	95.00	28631	33.70	2.90	6.90	13.00	
95.00	97.00	28632	29.70	2.70	10.00	12.00	
97.00	99.00	28633	26.90	1.30	10.00	17.00	
99.00	101.00	28634	31.40	2.80	7.00	10.00	
101.00	103.00	28635					
103.00	105.00	28636	31.00	3.30	7.00	15.00	
105.00	106.50	28637	41.40	2.10	6.60	14.00	
108.00	109.00	28638	32.70	3.40	7.70	14.00	
120.00	121.00	28639	46.30	2.40	3.00	17.00	
134.00	135.00	28641	23.10	1.50	7.80	15.00	
136.00	137.00	28642	6.40	-1.00	8.40	7.60	
138.00	139.00	28643	11.30	-1.00	13.00	24.00	
140.00	141.00	28644	11.70	1.50	13.00	23.00	
142.00	143.00	28645	11.30	1.40	14.00	18.00	
144.00	145.00	28646	7.30	1.30	10.00	13.00	
146.00	147.00	28647	11.30	1.40	15.00	19.00	
147.00	148.00	28648	15.50	1.10	18.00	24.00	
148.00	148.70	28649	10.00	1.10	11.00	18.00	
148.70	150.00	28650	0.47	-1.00	-0.50	-1.00	
150.00	151.00	28651	0.34	-1.00	0.60	-1.00	
151.00	152.00	28652	0.48	-1.00	-0.50	2.60	
152.00	153.00	28653	0.48	-1.00	0.56	3.20	
153.00	154.00	28654	0.35	-1.00	-0.50	2.10	
154.00	155.00	28655	0.25	-1.00	-0.50	-1.00	
155.00	156.00	28656	0.38	-1.00	-0.50	1.60	
156.00	157.00	28657	0.71	-1.00	0.58	2.00	
157.00	158.20	28658	1.00	-1.00	1.20	2.00	
158.20	159.00	28659	2.30	-1.00	1.80	9.10	
160.00	161.00	28660	1.90	-1.00	1.80	10.00	
162.00	163.40	28661	3.10	-1.00	2.00	7.40	
164.00	165.00	28662	14.40	1.30	14.00	35.00	
166.00	167.00	28663	7.30	1.70	7.40	22.00	
168.00	169.00	28664	0.13	-1.00	-0.50	1.10	
170.00	171.00	28665	0.29	-1.00	-0.50	-1.00	
172.00	173.00	28666	-0.10	-1.00	-0.50	-1.00	
174.00	175.00	28667	-0.10	-1.00	-0.50	-1.00	
176.00	177.00	28668	-0.10	-1.00	-0.50	-1.00	
178.00	179.00	28669	0.12	-1.00	-0.50	-1.00	
180.00	181.00	28670	0.13	-1.00	-0.50	-1.00	
182.00	183.00	28671	-0.10	-1.00	-0.50	-1.00	
184.00	185.00	28672	0.34	-1.00	-0.50	-1.00	



424539

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 3.

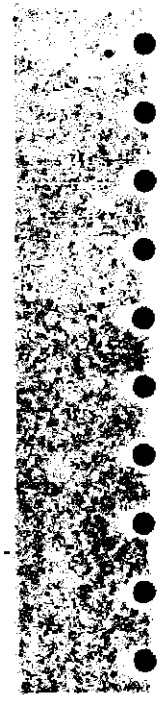
From	To	Number	SCANDIUM	TANTALUM	THORIUM	CALSIUM	YTTERBIUM
185.50	186.30	28673	0.11	-1.00	-0.50	-1.00	
190.00	191.00	28674	-0.10	-1.00	-0.50	-1.00	
194.00	195.00	28675	-0.10	-1.00	-0.50	-1.00	
200.00	201.00	28676	0.23	-1.00	-0.50	1.60	
201.00	201.80	28677	0.26	-1.00	-0.50	1.60	
201.80	203.00	28678	0.12	-1.00	-0.50	-1.00	
214.00	215.00	28679	-0.10	-1.00	-0.50	-1.00	
220.00	221.00	28681	-0.10	-1.00	-0.50	-1.00	
227.20	228.10	28682	-0.10	-1.00	-0.50	1.60	
232.30	232.60	28683	10.80	-1.00	12.00	7.80	
237.90	239.00	28684	-0.10	-1.00	-0.50	-1.00	
239.00	240.10	28685	-0.10	-1.00	-0.50	-1.00	
244.00	245.40	28686	-0.10	-1.00	-0.50	-1.00	
245.40	246.00	28687	-0.10	-1.00	-0.50	1.10	
246.00	247.00	28688	-0.10	-1.00	-0.50	-1.00	
247.00	248.00	28689	-0.10	-1.00	-0.50	-1.00	
248.00	249.05	28690	-0.10	-1.00	-0.50	-1.00	
249.05	250.00	28691	0.20	-1.00	-0.50	1.50	
250.00	250.80	28692	0.19	-1.00	-0.50	2.20	
250.80	252.00	28693	0.35	-1.00	-0.50	1.30	
256.00	257.00	28694	0.28	-1.00	-0.50	-1.00	
260.00	261.00	28695	0.33	-1.00	-0.50	-1.00	
270.00	271.00	28696	15.20	1.80	17.00	39.00	
280.00	281.00	28697	14.00	1.80	15.00	35.00	
290.40	291.00	28698	14.80	1.30	15.00	21.00	
310.40	310.80	28699	15.40	1.60	13.00	24.00	
316.00	317.00	29201	13.50	-1.00	11.00	12.00	
320.00	321.00	29202	19.80	1.40	15.00	14.00	
330.00	331.00	29203	9.20	-1.00	8.00	7.70	
340.00	341.00	29204	0.10	-1.00	-0.50	-1.00	
350.00	351.00	29205	-0.10	-1.00	-0.50	-1.00	
360.00	361.40	29206	13.00	-1.00	11.00	12.00	
370.00	371.00	29207	0.84	-1.00	0.88	1.70	
378.00	379.00	29208	-0.10	-1.00	-0.50	-1.00	
380.00	381.00	29209	-0.10	-1.00	-0.50	-1.00	
381.00	382.30	29210	-0.10	-1.00	-0.50	-1.00	
382.30	383.00	29211	-0.10	-5.30	-4.50	-4.20	
383.00	384.00	29212	-0.10	-1.00	-0.50	-1.00	
384.00	385.00	29213	-0.10	-1.00	-0.50	-1.00	
385.00	386.00	29214	-0.10	-1.00	-0.50	-1.00	
386.00	387.15	29215	-0.10	-1.00	-0.50	-1.00	
387.15	387.90	29216	0.93	-1.00	1.00	1.20	

424510

R.G.C. Exploration Pty Ltd
ZEEHAN
SURFACE DIAMOND DRILLHOLE : SY003 (CONTINUED)

TABLE 3

From	To	Number	SCANDIUM	TANTALUM	THORIUM	CALSIUM	YTTERBIUM
387.90	389.00	29217	0.23	-1.00	-0.50	2.00	
389.00	389.70	29218	0.14	-1.00	-0.50	-1.00	
389.70	391.00	29219	0.13	-1.00	-0.50	-1.00	
400.00	401.00	29221	-0.10	-1.00	-0.50	-1.00	
411.30	412.50	29222	0.14	-1.00	-0.50	-1.00	
413.50	414.50	29223	0.35	-1.00	-0.50	-1.00	
417.00	418.40	29224	8.60	-1.00	7.00	15.00	
420.00	421.00	29225	0.84	-1.00	0.72	1.80	
428.90	430.00	29226	0.31	-1.00	-0.50	-1.00	
440.00	441.00	29227	0.18	-1.00	-0.50	-1.00	
450.00	451.00	29228	0.24	-1.00	-0.50	1.00	
460.00	461.00	29229	-0.10	-1.00	-0.50	-1.00	
471.40	472.50	29230	0.26	-1.00	-0.50	1.40	
474.00	475.20	29231	-0.10	-1.00	-0.50	2.90	
476.00	477.00	29232	-0.10	-1.00	-0.50	-1.00	
478.00	479.00	29233	-0.10	-1.00	-0.50	-1.00	
480.00	481.00	29264					
482.00	483.00	29235	-0.10	-1.00	-0.50	-1.00	
484.00	485.00	29236	0.20	-1.00	-0.50	-1.00	
486.20	487.00	29237	6.80	-1.00	4.70	3.40	
489.00	490.10	29238	18.10	2.00	13.00	14.00	
490.10	491.00	29239	20.50	1.80	15.00	42.00	
494.20	495.20	29241	6.40	-1.00	4.70	23.00	
495.20	496.30	29242	4.00	-1.00	2.90	11.00	
502.40	503.20	29243	13.90	1.10	10.00	9.10	
509.80	510.40	29244	6.80	-1.00	7.00	6.00	
514.00	515.00	29245	14.60	-1.00	17.00	61.00	
521.00	522.00	29246	13.20	1.40	14.00	43.00	
523.00	524.00	29247	14.30	-1.00	16.00	82.00	
524.00	525.00	29248	13.70	1.00	15.00	50.00	



421541

R.G.C. Exploration Pty Ltd
ZEEHAN

SURFACE DIAMOND DRILLHOLE : SY003

PROJECT IDEN : ZEEHAN
COLLAR NORTHING: 60770.00
DRILLED BY :D.D.T
START DATE : 15 JUN 90
COLLAR EASTING : 57790.00
TOTAL LENGTH : 526.50
COMPLETION DATE :
COLLAR ELEVATION: 305.00
CORE/HOLE SIZE : HQNQ
LOGGED BY:DAVID JOHN CROSSING
GRID AZIMUTH : 0.00

SURVEY FLAG	SURVEY POINT LOCATION	FORESIGHT	AZIMUTH (DEGREES)	VERTICAL ANGLE (DEGREES)	NORTHING	EASTING	ELEVATION
000	0.00		204.00	-49.00	60770.00	57790.00	305.00
000	60.00		193.00	-49.00			
000	91.00		189.00	-49.70			
000	121.00		185.00	-50.50			
000	151.00		187.50	-50.80			
000	181.00		186.50	-51.00			
000	211.00		187.00	-51.50			
000	241.00		186.00	-52.00			
000	271.00		185.50	-52.20			
000	301.00		187.00	-52.00			
000	331.00		188.00	-52.00			
000	361.00		187.00	-52.70			
000	391.00		189.00	-53.00			
000	421.00		189.00	-53.00			

	From (m)	To (m)	Rec. (m)	RQD (m)	Description	Formation
	0.00	48.00			NO CORE.	
	48.00	91.10			LITHIC WACKE: lighter gray, very dark weathered, massive, coarsely bedded, firm, highly broken, poor sorting, moderate rounding, OPEN STRUCTURE, bedding: 30 degree angle to c.a..	CAMBRIAN CRIMSON CK FOR
R	48.00	91.10			THE MUDSTONE OFTEN DISPLAYED EVIDENCE OF SLUMPING AND IS	
R	48.00	91.10			SOMETIMES COMPLETELY BROKEN UP AND DEPOSITED AS INTRACLASTS IN	
R	48.00	91.10			THE MONOTONOUS,QUARTZ-DEFICIENT LITHIC WACKE.LIGHT	
R	48.00	91.10			GREENISH-GREY	
					48.00- 91.10: 10% IRREGULARLY INTERBEDDED MUDSTONE: medium bedded, soft sediment slumping, microfaults.	
	91.10	106.50			FAULT: gray black, light graphitic, darker clayey, soft, exceptionally broken, shear: 50 degree angle to c.a., 2.5% pyrite stringers of.	
R	91.10	106.50			STRONGLY FAULTED LITHIC WACKE VARIES FROM FIRM TO SOFT CLAYEY	
R	91.10	106.50			BROKEN WITH HIGH CORE LOSS (PROBABLY FAVOURING RETURN OF HARDER	
R	91.10	106.50			COMPONENT, SUCH AS PYRITE), SLIGHTLY WEATHERED.	
					98.00- 105.00: 100% FAULT: gray black, light graphitic, darker clayey, soft, exceptionally broken, shear: 50 degree angle to	

424542

424543

APPENDIX 9

Expenditure 1989/90

424544

Expenditure 1989/90

to 27th June 1990

Description	Amount
Personnel costs	39,126
Travel & Accommodation	6,159
Consultants & Contractors	64,722
Sample Prep/Analysis	50,040
Drilling	33,526
Stores, Supplies	10,450
Vehicles, Plant, Equipment	4,325
Land Acquisition	1,071
Computing	1,911
Office Costs	3,785
	215,115