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SIXTH ANNUAL TECHNICAL REPORT

FOR THE REPORTING PERIOD ENDING
18 April 2012

EL24817

ALICE SPRINGS PROJECT

ALICE SPRINGS (SF5314) 1:250 000 Map Sheets

RIDDOCH (5851) 1:100 000 Map Sheets

COMMODITIES: Base-metals, Iron Ore, Uranium, Cobalt and Rare Earths

Authors: Baheta Enday
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Report No: 52

DISTRIBUTION
1. Northern Territory Department of Minerals & Energy
2. Genesis Exploration Limited

SUMMARY

Previous data compilation and geophysical data acquired by Genesis Resources Ltd highlighted the potential of the Alice Springs project to contain copper, iron, gold and base metal mineralisation. Geophysical and geochemical priority anomalies were assessed in the field during the current period, through geological observation, rock chip, soil sampling and geophysical traverses. As a result of this work a semi-regional grid soil sampling program was planned and carried out; assays are awaited.

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1. INTRODUCTION

The Alice Springs Project, EL24817, is located approximately 155 kilometres north east of Alice Springs in the Northern Territory (

Figure 1). The tenement area is situated approximately 80 road kilometres along the Plenty Highway in the poly-metallic Harts Range Mineral Field. It is prospective for copper, gold, iron and base metal mineralisation.

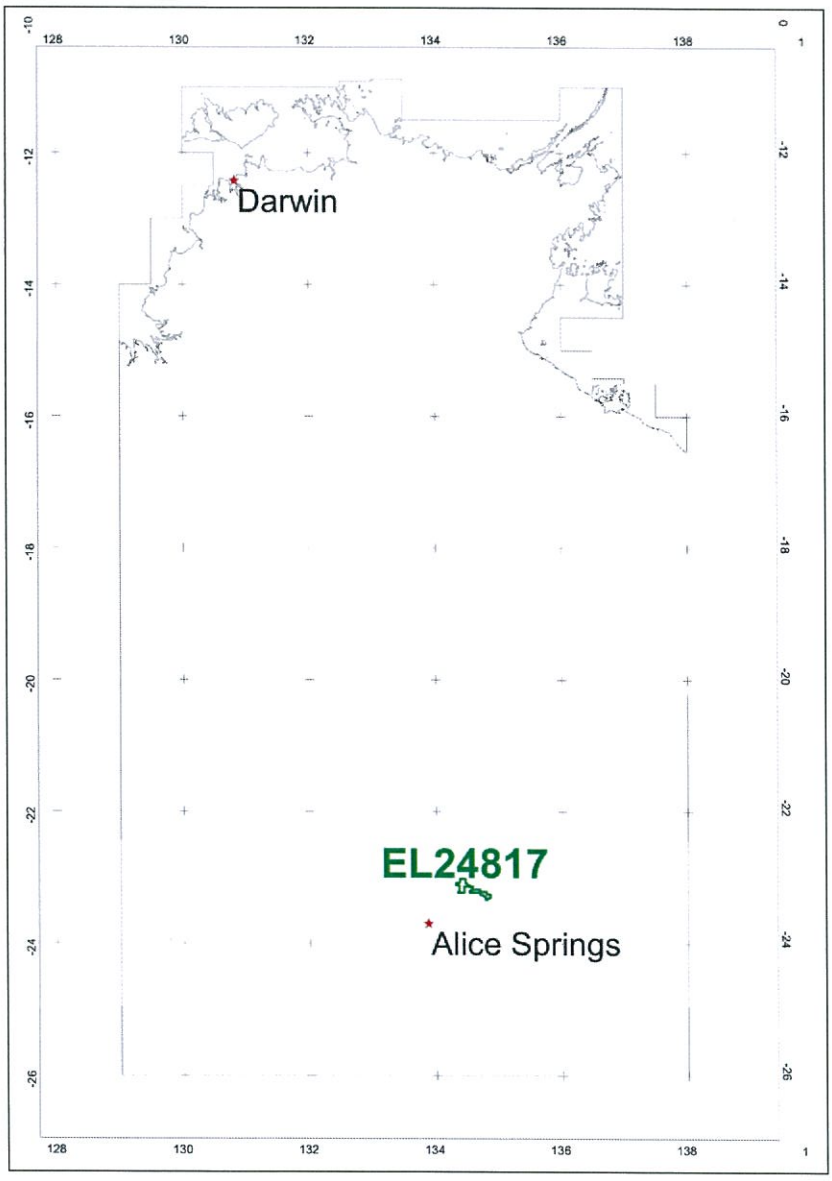

Figure 1: Location of EL24817

This report details mineral exploration activities undertaken by Genesis Resources Limited (Genesis) during the reporting period ending 18th of April 2012.

2. TENEMENT

EL24817 was granted to Genesis on 18th of April 2006 for and has been renewed progressively until 18th April 2012. The project comprises one exploration license that includes 244 graticular blocks with a total area of 770.5 square kilometres. It is prospective for base-metals, iron, uranium, cobalt and rare earth mineralisation.

3. PREVIOUS EXPLORATION WORK

Although several past tenements were held adjacent to or overlapping the current project area, much of the work carried out concentrated on exploration for gemstones, industrial minerals, uranium and rare earth.

Previous exploration undertaken on the tenement area were for base metals, gold, uranium and rare earths. Various phases of geochemical sampling including soils, rock chip and stream sediment were conducted, with the majority of this work attributed to G.K Bogie, Clarence River Finance group, Pasminco and Oneva Exploration. A detailed description of the previous work carried out on the licence is presented in previous annual reports and Appendix 1 attached with this report.

4. EXPLORATION CONDUCTED

4.1. Field evaluation of geophysical targets

A field campaign was conducted in order to visit the XTEM anomalies, determine the possible causes of the anomalies, and take rock samples (Figure 2). 30 samples were collected.

The detailed report which presents the observations and sampling results is attached as Appendix 1. Samples locations and characteristics and assay results are also included in Appendix 1. The assay result digital format (AS11132123.csv) included to this report as Attachments 1.

The main results are that:

- Copper mineralisation (as malachite, chalcopyrite, chalcocite and chrysocolla) was noted:
  - in shear zones (Cadney Fault),
  - in quartz veins (Camp Hill-anomaly 18),

- Iron oxides are hosted in:
  - magnetite iron-rich unit in quartzo-feldspathic gneiss (Diana's Block 2 and 8),
  - iron rich ortho- and para-gneiss (Magnetite Hill XTEM Survey area).
- Although high grade copper with strong gold association is possible elsewhere within the structures, the visible mineralisation was lensoid rather than continuous.
- The full potential of iron mineralisation in the project area is untested due to access problems. Access is a serious problem in designing of a program for drill testing the iron mineralisations – however Resource Potentials will elaborate on this aspect when the aeromagnetic data is reviewed relative to the new ground magnetic data

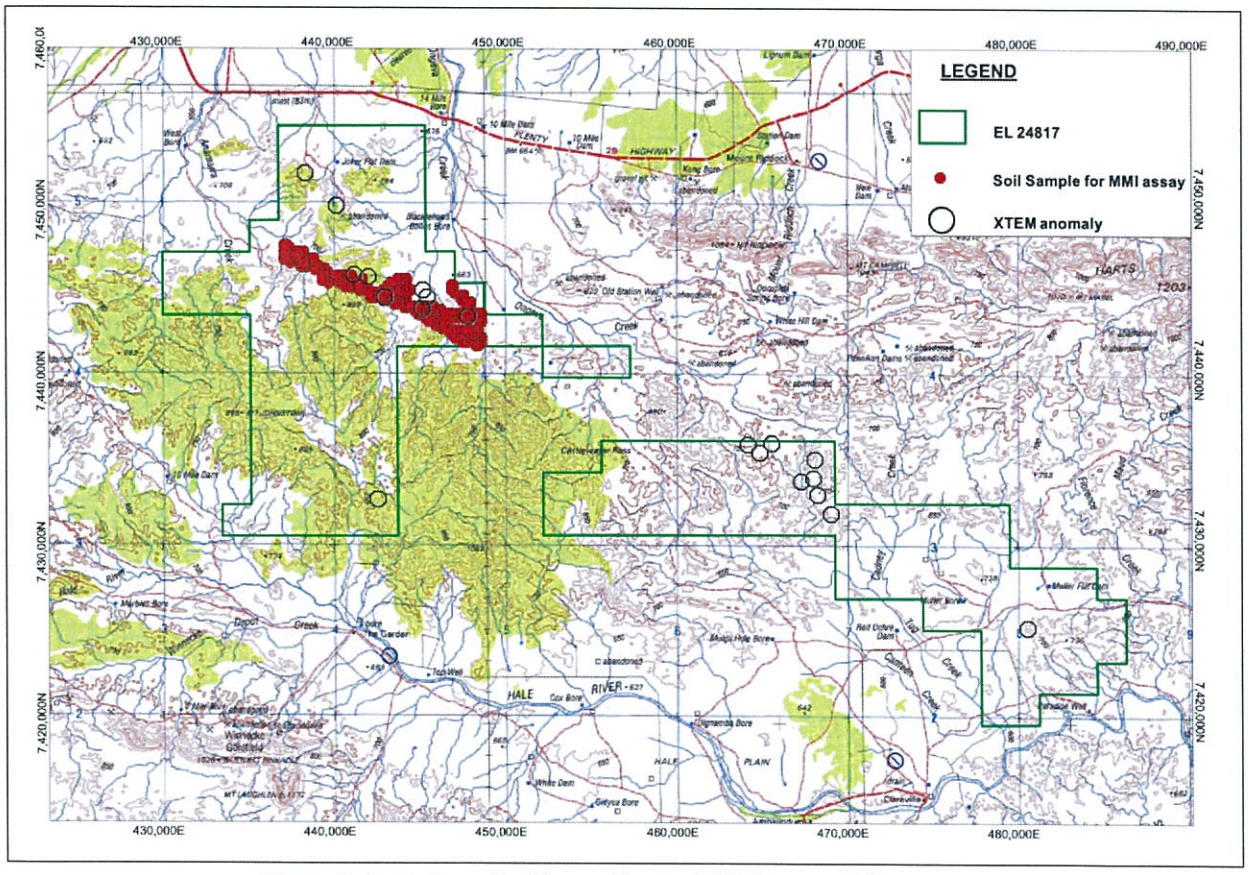

Figure 2: Location of soil samples and XTEM anomalies.

4.2. Geochemical survey

A geochemical soil survey was carried out. The survey consisted of 351 soil samples, collected in November 2011 (Figure 2) which will be assayed using the MMI technique or "Partial Leach"

Five samples were sent to the ALS laboratory for selective assaying of various size fractions (-2mm +425µm, -425µm +180 µm, -180 µm +75 µm, -75 µm). Interpretation of the results is underway, preparatory to assaying all the samples.

Samples locations and characteristics are added to this report as an Appendix 2 and the digital format (2011_AS_Soil_SamData) in attachment 2. Results of the trial selective assaying are added to this report as Appendix 3 and the digital format (PH12017375.csv) in Attachment 3.

5. CONCLUSIONS

The prospectivity of the tenement was highlighted by a field visit to XTEM anomalies and geochemically anomalous sites.

Assessment of prospectivity in the field and office lead to the design and implementation of a soil sampling program which geochemically tests the Cadney Fault zone.

6. EXPENDITURE

The expenditure on EL24817 during the reporting period is summarised in the following table.

Table 1: Summary of expenditure during the reporting period ending 18 April 2012

Exploration Item	AUD$
Geological Activities and Prospecting	**57,364**
Geochemical Activities	**8,564**
Geophysical and Remote Sensing Activities	**4,817**
Administration Overheads	**10,612**
TOTAL	81,357

7. PROSPOSED EXPEDITURE

The proposed expenditure for the next twelve months, from 18 April 2012 to 17 April 2013, is summarised in the following table (Table 4)

Table 2: Summary of proposed expenditure on EL24817 for the next reporting period ending 17 April 2013

Proposed Exploration Program	AUD$
Assess data – reporting, field mapping	40,000.00
Assay Laboratories Analysis Geochemistry for Rock Chip/Soil Samples	40,000.00
Prospect TMI mapping	15,000.00
RC Drilling of geochemical & geophysical targets	50,000.00
Total	**160,000.00**

APPENDIX 1

Field Evaluation of proposed geophysical targets Alice Springs Project

Genesis Resources Memo by B Enday

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FIELD EVALUATION OF PROPOSED GEOPHYSICAL TARGETS

ALICE SPRINGS PROJECT

EL 24817

CENTRAL AUSTRALIA

To:	Genesis Resources Ltd
Prepared by:	Baheta Enday
Report No:	54
Date:	September 2011

SUMMARY

The field assessment of geochemical and geophysical anomalies at the Alice Springs project highlighted the prospectively of the tenement for copper, gold, silver, bismuth and iron.

Significant grades of copper, gold, silver and bismuth (with visible malachite, chalcopyrite, chalcocite and chrysocolla) were identified within the long Cadney Fault zone. This zone, which consists of quartz-carbonate veins in sheared gneiss, has a strike-length of over 10km in an east-southeast direction across most of the licence. A sample taken from the Fault at Corner Post Hill returned 5.8% Cu, 4.6% Bi, 27 g/t Ag and 0.7 g/t Au and 3450ppm Pb.

Prospects on cross-cutting, northeast-trending, faults also carried significant mineralisation, including magnetite stringers, up to 7360ppm Cu and 1.8g/t Au, confirming historical anomalism of 15% Cu and 2.6g/t Au in the area.

Four types of mineralisation were identified in the area:

- in shear zones (Cadney Fault),
- in quartz veins (Camp Hill-anomaly 18),
- magnetite iron-rich unit in quartzo-feldspathic gneiss (Diana's Block 2 and 8),
- and iron rich ortho- and para-gneiss (Magnetite Hill XTEM Survey area).

There is, however, a strong association of copper, gold and iron in the project area. In the context of the regional association of mineralisation, this mineralisation is considered as copper-gold occurrences in lenticular or pipe like magnetite and hematite bodies; mineralised pods occur near banded iron or hematite rich rock (quartz-magnetite), and mineralisation occurs as a network of veins of chalcopyrite, chalcocite, malachite and chrysocolla in a quartz-carbonate lenses.

Iron mineralisation also evaluated and the best iron grade obtained was from from Triple Iron Hill and "Diana's Block 8", which returned 59.3% and 57% Fe, respectively. However, a sample from Magnetite Hill returned a moderate result of 23.9% Fe.

CONTENTS

FIGURES

1. INTRODUCTION

A review of the available geophysical and geological data by Matthew Cooper of Resource Potentials in 2009 and subsequent reconnaissance field mapping and rock chip sampling by consultant geologist Richard Russell in 2010 highlighted the potential for copper mineralisation in the area. High grade copper mineralisation was interpreted to be controlled by structures with a strong association with iron enrichment (Gregory, 2002).

In May 2010, a combined helicopter electromagnetic and magnetic survey (XTEM) was conducted by GPX Surveys Pty Ltd for Genesis on blocks in the northwest and southeast parts of the tenement in order to detect copper sulphide and magnetite iron mineralisation and to provide drill targets. The XTEM survey identified a total of 31 target areas that were considered to be prospective for copper and iron mineralisation. Genesis refined and short-listed these anomalies into ten copper and nine iron potential drill targets for the Application for Expenditure (AFE, Howard, 2011 - the Anomaly locations are shown on the attached Figures). Table 1 from the AFE is also attached here as Table 1. The Anomaly numbers hereafter refer to the AFE "GenID number".

The purpose of the field work reported here was, therefore:

- to geologically evaluate the geophysical targets listed in Table 1,
- to document the nature of the mineralisation at the targets, through rock chip sampling, geological mapping, and by acquiring ground magnetic traverses across selected anomalies,
- to evaluate access for a drilling rig and
- to prioritise drilling from the short listed targets.

2. LOCATION AND ACCESS

The Alice Springs Project EL 24817 is located about 140km northeast of Alice Springs in the Harts Ranges south of the Plenty Highway. The tenement contains old copper mines at Anomaly 18 (Camp Hill) and Anomaly 19 (Copper Hill) and numerous widespread copper and iron mineral occurrences (Gregory, 2002).

The southeast part of the tenement was accessed from the south from the Ross Highway through Arltunga Historic Reserve. A station track (Ambalindum Station) to Cadney Dam provided an access route to the low-standing area. However, the Magnetite Hill XTEM Survey area was steep and very rugged with sheer topography and 'Tombstone weathering'. Therefore, access was only by foot, which was very slow. The northern part of Magnetite Hill Survey area was also accessed through Mt Riddock Station track to the White Dam.
The north-western part of the project, Camp Hill XTEM Survey area, was accessible from the Plenty Highway that runs east-west immediately north of the project area. Station tracks (Mt.

Riddock Station) off the Plenty Highway to Joker Flat Dam and Saltbush Flat Dam, and then along the fence line that runs east-west through Saltbush Flat Dam provided the main access routes. Although the hills in these surroundings are not high, the area is rugged and traversing by foot was slow.

3. BACKGROUND GEOLOGY

The project area is located in the eastern part of the Arunta block and encompasses the eastern section of the Strangways Range and the western portion of the Harts Range. Outcrop over most of the project area is excellent, however the northern part of the project is obscured by unconsolidated Quaternary sediments.

The Arunta Block comprises a mass of Paleoproterozoic basement sedimentary and volcanic rocks, which have been metamorphosed to granulite and amphibolite facies during 1800-1700Ma. Numerous granite masses have intruded these rocks from 1700-1000Ma (Stuart and Warren, 1977/ in Gregory, 2002). Polymetamorphism is a characteristic of the Arunta Block in the main events. The various episodes of regional metamorphism and associated granite intrusion are named as follows (Shaw, Stewart and Black, 1984 / in Mackie 1986): Strangways Event (~1880-1750Ma), Aileron Event (1700 -1600Ma), Anmatijira Event (1500-1400Ma), Ormistone Event (1050-900Ma) and Alice Springs Orogeny (400-430Ma). Most of the major shear zones and thrusts record movements related to the Alice Springs Orogeny, but they may have been reactivated old structures. The three subregions (Northern, Central and Southern) and rock unit Divisions (1, 2 and 3) outlined by Shaw and Stewart (Mackie 1986) have been superseded by new stratotectonic packages (Pietsch 2001 / in Gregory, 2002).

The geology of the project area comprises high-grade felsic and mafic gneisses of the Hillsoak Bore Metamorphics, the Ongeva Granulite and metasediments of the Cadney Metamorphics. The gneisses are believed to be part of a very extensive bimodal volcanic package (Narwietooma Strato-tectonic Package >1820 Ma) that may be an accreted volcanic arc when the Arunta, Northern Australian Platform, was a convergent margin. The metasediments of the Cadney Metamorphics are suggested to overlie the main volcanic package and have been assigned to the Cadney Strato-tectonic Package of age >1770 Ma.

4. MINERALISATION

Sub-economic occurrences of copper, copper-gold, copper-lead-zinc, gold, tin, tungsten, tantalum, mica, nickel, chromium and semi-precious stones are known from the Arunta Region.

There are known copper-gold mineral occurrences in the northern and eastern parts of the project area. The mineralisation comprised copper and gold in the Camp Hill area in a series of copper-bearing quartz veins in metagabbros. Malachite and chrysocolla staining are

evident on and around Camp Hill. Iron mineralisation associated with copper, cobalt and gold were known at Magnetite Hill and Triple Iron Hill since the end of the 1980's (Gregory, 2002).

The Mt Johnstone Dam pegmatite prospect contains U, Th, Nb, Ta, Sn and Be that are located within an old mica mine which contains samarskite (Clarence River Finance Group Pty Ltd, 1992). The pegmatites in this area were also found to be carrying tungsten as scheelite. Hussey, 2003, noted that the potential for significant replacement or pegmatite-hosted REE deposits appears to be high, particularly in the southeastern Arunta Region where abundant REE-rich pegmatite swarms occur. He also noted that there could be some potential for REE mineralisation associated with additional unrecognized carbonatites and alkaline igneous complexes, and for supergene or lateritic enrichment deposits.

5. PREVIOUS EXPLORATION WORK

Although several past tenements were held adjacent to or overlapping the current project area, much of the work carried out concentrated on exploration for gemstones, industrial minerals, uranium and rare earth.

Russgar Minerals NL explored between 1972 and 1976 on a large tenement, which included the boundaries of the present Alice Springs Project (Long, 1974). Regional rock chip sampling was undertaken. Consultants interpreted the geochemical data and determined that the strongest geochemical anomalism, a Pb-Cu association, was located in the north-west and west sectors of the present project area. Most of higher Pb values were associated with a north-trending zone suggesting a structural control. A Cu-Pb association was also reported from an adjacent eastern area, together with a Zn-Ni response near the copper occurrences recorded as Camp Hill.

Between 1990 and 1992, Clarence River Finance Group Pty Ltd conducted soil and rock chip sampling targeting copper mineralisation. The highest priority targets were the Camp Hill and Copper Hill old Cu Mines. The assay results returned with sporadic values but in some places were extremely high in copper with a strong association with gold and silver (e.g. sample from Camp Hill location returned up to 1% Cu, 0.3g/t Au and 2.25g/t Ag; a sample collected from south of Copper Hill returned up to 1.2% Cu, 0.66g/t Au and 1.2g/t Ag)

Between 1994 and 1997 Pasminco Australia completed an airborne aeromagnetic-radiometric survey (200m interval on N-S lines), collected stream sediments, soil and rock chip samples and defined high intensity aeromagnetic features using ground magnetic traverses (Saxon, 1996 and Rossiter, 1997). The survey covered part of the east area of the present project. Magnetite Hill was identified as a magnetite-Cu occurrence on a major NE-trending aeromagnetic linear. The highest value encountered in rock chip sample was 3.1% Cu, and 0.22 g/t Au.

Oneva Exploration Pty Ltd commenced exploration for copper in 2001 (Gregory, 2002 and Bogie 2003). Work completed included rock chip sampling, soil sampling, geological mapping and drilling. Significant new discoveries of Cu and Cu-Au mineralisation were defined in two main areas along the south-east trending Cadney Fault, Corner Post Hill to Browns Rise and Missy Brown to Diamond T and a separate north-east trending zone, Diana's Block 2 to Block 8. Diana's Block 2 to Block 8 was drill tested with four RAB holes without success (Bogie, 2003).

The potential of the Alice Springs Project to contain copper mineralisation was highlighted after a review of the available geophysical and geological data by Resource Potentials in 2009 and subsequent reconnaissance field mapping and rock chip sampling by Richard Russell in 2010. Rock chip sampling completed by previous explorers and Russell returned high grade copper mineralisation over a number of areas with up to 30% Cu (Cooper, 2009). The high grade copper mineralisation appears to be structurally controlled and associated with magnetite enrichment in some areas (Cooper, 2009). Based on these results HEM survey was commissioned over two prospective areas in an effort to directly detect copper mineralisation and provide drill targets (Cooper, 2010).

The surveys were flown by GPX Airborne Pty Ltd (GPX) over Camp Hill and Magnetite Hill between the 27th to the 31st May 2010 (Figure 1). The Camp Hill survey was flown on north-south lines on 150m spacing, with tie lines flown east-west with 1500m spacing totaling 87 lines for 512 line km and the Magnetite Hill survey was flown on east-west lines on 150m spacing, with tie lines flown north-south with 1500m spacing totaling 43 lines for 241line km.

Resource Potentials assisted in the planning and implementation of the XTEM surveys then provided ongoing quality control of the survey data and completed processing and interpretation of the results.

The XTEM survey data have defined a number of anomalous electromagnetic responses that are considered to be prospective for copper mineralization (Cooper, 2010). A total of 21 target anomalies considered prospective for copper mineralisation were selected on the Camp Hill survey area. Of these, 8 are considered high priority for follow up work. On the other hand, from the Magnetite Hill survey area, a total of 12 targets were selected from the EM data, of which 4 are considered high priority.

6. FIELD EVALUATION WORK

A field evaluation of the Alice Springs project was carried out over the selected target anomalies from the Magnetite Hill XTEM Survey area and Camp Hill XTEM Survey area (Figure 2 and Figure 3, respectively). On the Magnetite Hill XTEM Survey area anomaly 1, 2, 3, 5 and 9 were visited. However, poor access limited the work to this part of the tenement. Additionally, Anomaly 6, outside and to the south of Magnetite Hill XTEM Survey area, was visited.

Numerous locations were visited on the Camp Hill XTEM Survey area, namely, Anomalies 11 to 18. In addition, geochemical anomalies from previous exploration works (previous Cu prospects) including Diana 2, Diana 8 and Corner Post Hill were visited. Most of the anomalies in this area could be approached by 4WD vehicle to within 2km on station tracks. The rest of the distance was covered on foot.

A total of 30 rock chip samples were taken of the mineralised zones and host rocks. The samples were submitted to ALS Minerals in Alice Springs where sample preparation consisted of crushing the entire sample and pulverizing. Au was assayed by Ore Grade Au 30g FA AA finish (AAS) and Au 30g FA ICP-AES Finish (ICP-AES); the following elements, Ag, As, Bi, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, P, Pb, S and Zn were analysed by Ore Grade Elements-Four Acid (ICP-AES). The assay results are presented on Table 2, whereas the sample description is on Table 3.

Geological traverses were completed on fixed traverses and a total of 3.7 line km of magnetometer readings were undertaken on iron anomalies. Magnetic Susceptibility readings (Table 4) were also collected from iron-rich rocks during the magnetometer traverses. The ground magnetic and the magnetic susceptibility data were submitted to Resource Potentials Pty Ltd for modeling. Results are awaited.

The geology, structure and rock chip sample geochemical results are discussed in detail below under "Magnetite Hill XTEM TMI Survey area" and "Camp Hill XTEM TMI Survey area".

6.1 Magnetite Hill XTEM TMI Survey area:

6.1.1 Anomaly 1 (468175E, 7435034N)

Anomaly 1 is a TMI anomaly with estimated iron mineralisation of 28Mt (Cooper, 2011).

The reconnaissance field work found that massive ironstone flanked by BIF occurs in a N-S trending and vertically dipping shear zone. The mineralised zone strikes about 800m long but doesn't exceed more than 4m in thickness. A high magnetic susceptibility reading of $18200x10^{-5}$ SIU was recorded. A magnetometer profile 0.7 kms long was acquired in an E-W direction on the northern side of the outcrop. Rock chip sample G00157 was taken from the mineralised shear zone and returned Fe 29.5%, Mn 4.49% with very low Cu (Table 2 and 3).

The narrowness of this strongly iron-mineralised, elongated magnetic anomaly downgrades its economic potential.

Further work is required in acquiring a number of ground magnetic profiles along the strike extent to warrant drill testing.

6.1.2 Anomaly 2 (468327E, 7432955N)

Previous work (Burton, 1989) identified this anomaly as Magnetite Hill with rock chip sampling produced an average 32.66% Fe, 2.11% Cu, 0.05 ppm Au and 552 ppm Co from two channel sample lines across the massive magnetite.

It is a U-shaped fold structure of massive, sometimes banded (BIF) magnetite-rich rock that occurs at the top of Magnetite Hill. It appears that the mineralised outcrop is a fold closure (fold nose) and has limited lateral extent or strike length. The western limb is about 60m in strike length and the eastern limb appears to be dipping vertically and disappears undercover. The thickness of the limbs hardly exceeds ten meters. The eastern limb on the TMI data appears to be dislocated by a fault and extends further north for a long distance (Figure 4). The massive iron outcrop of Magnetite Hill is outlined by star points on Figure 4 and represents magnetometer reading stations.

Two magnetometer traverses totaling 1.2 line kms were acquired. Rock chip sample G00159 from the northern part of the eastern limb returned 23.9% Fe, 0.25% Cu, 0.05ppm Au and 250ppm Co (Table 2 and 3).

Aeromagnetic surveys conducted by Pasminco exploration in 1995 (Saxon, 1996) and the recently acquired XTEM survey flight lines over Magnetite Hill are presented on Figure 4. Integrated modeling of these two data sets with regional surveys and ground magnetic surveys could enhance the detailed interpretation of this significant Fe-Cu target for drilling.

Cooper, 2011, estimated this anomaly 7 Mt of iron (Table 1).

6.1.3 Anomaly 3 (464253E, 7435885N)

Anomaly 3 is situated 1.4 km west of Triple Iron Hill. The outcrop is massive magnetite and hematite-rich rock within biotite-quartzo-feldspathic gneiss. The preserved igneous texture signifies a volcanic origin of the iron-rich rock. The outcrop was terminated by a N-S tending and vertically dipping shear zone at the western end. Magnetometer readings of 0.35 line km on a N-S trending traverse was acquired. A maximum of 12200×10^{-5} SIU magnetic susceptibility reading was recorded. Three rock chip samples were taken: G00173 from the shear zone, G00174 from the host rock and G00175 from massive magnetite rock were taken. Assay results of G00173 returned with 20% Fe, G00174 also with 20% Fe and G00175 with 26.2% Fe. All of these samples were returned with only very low Cu and Co results (Table 2 and 3).

Resource Potentials estimated this TMI anomaly as having up to 9Mt of iron. Rock chip samples assayed from this anomaly by previous workers (Cooper, 2011) returned up to 65% Fe, 3.5% Cu, 1.13% Co and 1.8% Zr (Table 1).

The association of magnetite concentrations with copper mineralization increases the prospectivity of other magnetic anomalies within the area, and warrants ground magnetics and surface geochemical sampling for drill target generation.

6.1.4 Anomaly 5 (465656E, 7435955N)

This anomaly is situated on Triple Iron Hill. It was identified from the current XTEM (TMI) survey with an iron potential of up to 4Mt estimated by Resource Potentials. Historical rock chip samples (Cooper, 2011) from the crystalline magnetite-hematite returned up to 70% Fe.

The outcrops appear to be isolated iron mineral occurrences scattered over the hill. The geometry and structure of the mineralised outcrop is obscure. The mineralisation has very limited lateral or strike extent. A maximum of $3800x10^{-5}$ SIU magnetic susceptibility reading was recorded from the magnetite rich rock. A total of 0.885 line km of magnetometer readings were taken on three traverses, two N-S and one E-W. Rock chip sample G00172 was taken from the east part of the outcrops and returned 59.35% Fe with very low Cu and Co (Table 2 and 3).

The iron rich rock may indicate potential for magnetite mineralization.

Detailed mapping and surface sampling should be completed prior to drilling.

6.1.5 Anomaly 6 (480603E, 7425188N)

This anomaly is located in the south-east of the tenement on the low standing hills south of Muller Flat Dam (Figure 1). It is the northern part of one of the discrete iron horizons that occur almost in a N-S trend for almost 5kms of strike (Figure 6). Resource Potentials estimated this anomaly as having 32 Mt of iron (Table 1).

The reconnaissance field work identified that the magnetic signature was explained by magnetic metadiorite and metabasalt outcrops, which had a $2190x10^{-5}$ SIU magnetic susceptibility reading. Although the outcrops are magnetic, the iron content was moderate. It is highly weathered and fractured whereby iron staining, goethite and limonite fracture filling are common. Magnetometer readings of 0.63 line km on an E-W trending traverse were acquired at the northern part of the anomaly (Figure 6). Rock chip sample G00155 taken from the magnetic metadolerite returned very low Fe content (Table 2 and 3).

Detailed mapping, ground magnetics and surface sampling should be completed along the strike extent of this target anomaly to determine its economic significance.

6.2 Camp Hill XTEM TMI Survey area

All of the anomalies visited in the Camp Hill Survey area were defined from the XTEM survey as discrete anomalous electromagnetic responses that were considered to be prospective for copper mineralisation by Resources Potentials (Cooper, 2010).

6.2.1 Anomaly 11 (441240E, 7445780N)

The outcrops at this location were metadolerite, metabasalt and augen gneiss. The magnetic signature of the outcrop varies between non-magnetic to highly- magnetic units upon which a maximum of $16900x10^{-5}$ SIU was recorded. Although Anomaly 11 was identified as an EM anomaly on the XTEM survey, there was no surface expression of Cu mineralisation. The anomaly lies close to a NE-SW tending fault (shear) zone that probably extends SW and intersects the Cadney Fault. The EM anomaly is, probably, attributed to buried sulphides. Two rock chip samples were taken: G00165 and G00166 from non-magnetic metadolerite and highly magnetic metabasalt respectively. Both samples' assay result returned very low Cu and Fe (Table 2 and 3).

No further work is required.

6.2.2 Anomaly 12 (442070E, 7445640N)

Although it is short listed as discrete EM anomaly, there was no surface expression of mineralisation in this location. The area is predominantly occupied by the common outcrops of mica-quartzo-feldspathic gneiss. No sample was taken from this location.

The mineralization potential of this anomaly should be tested with surface geochemical sampling prior to drilling.

6.2.3 Anomaly 13 (445210E, 7443780N)

Located on the Cadney Fault Zone near a major splay-fault intersection. Although most of the area is covered by recent sediments and quartz float, there are some minor outcrops of quartzo-feldspathic gneiss and iron stained extensional quartz veins (not mineralised). There was no expression of surface mineralisation that explains the EM anomaly. No sample was taken from this location.

The structural intersection could be a deep-seated wrench that may be a conduit for mineralised fluids responsible for copper mineralisation.

The mineralization potential of this anomaly should be tested with soil and rock sampling prior to drilling.

6.2.4 Anomaly 14 (445500E, 7444470N)

Located about 200m north of the Cadney Fault zone. Bimodal metadolerite and metabasalt outcrops in this location. There is no surface mineralisation that explains the EM anomaly. However, a shear zone, N-S trending and dipping vertically, characterised by limonite, goethite and carbonate, outcrops 300m NE of this anomaly.

Rock chip sample G00171 was taken from magnetic ($3810x10^{-5}$ SIU) metabasalt at the anomaly and returned with 11.8% Fe, 16.3% Mg, 1210 ppm Ni and very low Cu (Table 2 and 3).

Rock chip sample taken by Oneva Exploration Pty Ltd from gossanous quartz veins returned 12.6% Cu, 0.027ppm Au. The sample taken from the shear (S13) by Russel returned low values of 480ppm Cu.

High Ni value may indicate potential for NiS at depth.

The potential for mineralization should be tested with soil and rock sampling prior to drilling.

6.2.5 Anomaly 15 (445240E, 7444870N)

There was no surface expression of mineralisation in this location. The area is predominantly occupied by the common outcrops of mica-quartzo-feldspathic gneiss. No sample was taken from this location.

Detailed mapping, surface geochemical sampling is required for potential drill target generation.

6.2.6 Anomaly 16 (447900E, 7443340N)

The anomaly is situated within the northern splay of Cadney Fault corridor west of Saltbush Flat Dam. The outcrop in this location is dominantly biotite-quartzo-feldspathic gneiss. Extensional quartz veins dip 60^0 to the north with thickness ranging from a few cm up to 2m. Minor iron staining along fractures within the veins is common.

Rock chip sample G00170 was taken from a copper-mineralised small pod within the quartz vein and returned 3360ppm Cu (Table 2 and 3), although previous rock chip sampling

returned low to moderate results for copper and gold. Elevated copper value on a strong EM anomaly may indicates a deeper source of mineralised.

Systematic surface geochemical sampling is recommended prior to drill testing.

6.2.7 Anomaly 17 (443030E, 7444450N)

This strong EM anomaly is situated on Cadney Fault. Minor quartzo-feldspathic gneiss outcrops in this locality. Most of the area is covered by recent unconsolidated sediment and there are no mineralised outcrops that could explain the EM anomaly. No rock chip sample was taken.

Systematic soil sampling is recommended prior to drill testing this anomaly.

6.2.8 Anomaly 18 (438400E, 7451700N)

The anomaly occurs at the Camp Hill mine old workings which is a series of old adits and shafts on the eastern flank of the Camp Hill topographic feature. The host rock is a metagabbro and metadolerite of probable bimodal volcanogenic origin.

The mineralisation is located in a narrow fracture zone within the metagabbros that hardly exceed 1.5m in thickness. The fractures contain quartz veins and quartz breccia with altered wall rock. The veins commonly extend along strike for about 10 to 30 metres. The trend of the fracture is 300^0 Magnetic N and dips almost vertically. The copper mineralisation is lensoid pods rather than continuous.

It was noted that the fracture zone runs parallel to the shear zone that was mapped north of the anomaly. In the vicinity, northeast trending faults east of the old workings intersected, and were cross-cut by the shear zone. The cross-cut structure could be a deep-seated wrench or thrust fault that may be a conduit for mineralised fluids. Rock chip sample G00163 was taken from a mineralised quartz vein from the shear zone mentioned above and returned with no significant values. G00164 was taken from a quartz vein at the northern flank of the Hill and returned with 1.045% Cu and 0.03 g/t Au.

Elevated geochemical values of Cu and Au and their association warrants detail mapping and surface geochemical sampling to generate drill targets.

6.2.9 Anomaly 19 (440200E, 7449800N)

Although the area was visited the old working could not be located. However, on the 250k geological map the mineralisation appears to be occurring along the same strike as the shear zone that runs through anomaly 18. No rock chip sample was taken.

Clarence River Finance Group Pty Ltd, 1992, reported rock chip assay values varying from 1% to 1.2% Cu in this location and a few hundreds meter further south. The assay value warrants to follow-up with surface geochemical sampling and drilling.

7. GEOCHEMICAL ANOMALIES VISITED

Geochemical anomalies and Cu prospects that were discovered and drill tested by Oneva Exploration Pty Ltd (Gregory, 2002; Corbett, 2002 in Bogie, 2003; and Bogie, 2003) were visited. These include Diana's Block 2, Diana's Block 8 and Corner Post Hill prospects. Although these anomalies show moderate to high grade Cu assay results with strong association of Au, they were not detected by the XTEM surveys except that of Corner Post Hill which lies on the Cadney Fault zone (Figures 2 and 3).

7.1 Diana's Block 2

This prospect lies about 1.2km north-west of Corner Post Hill Prospect on a shear zone that strikes 50^0 Magnetic N and dips 70^0 NW. The mineralisation is associated with massive magnetic iron within a shear zone. This magnetic unit is about 1m wide and extends along strike for 160m (Figure 2). It has magnetic susceptibility of 12800×10^{-5} SIU.

Mineralisation is lensoid and appeared to be located mainly on the north-west side of the massive iron unit. Dissemination into the schist was minor. Copper grades were very high, being 40% Cu from Russell's rock chip samples (Russell, 2010), from mineralised pods, which were mostly malachite or chrysocolla in places. Four rock chip samples were collected:

- *G00176* from the magnetite rich body: 1340ppm Cu, 57% Fe, 0.03 g/t Au.
- *G00177* from the host rock 20m south of G00176 (fine grained mica-quartzo-feldspathic gneisses): low geochemistry.
- *G00178* from host rock with copper stains: 0.03% Cu, 0.07 g/t Au.
- *G00179* taken from host rock mica-quartz-feldspathic gneisses further north along the shear zone: low geochemistry.

Rock chip sampling by Oneva Exploration (Gregory, 2002) from this magnetic zone returned high grade copper mineralisation (2.3% - 29.5%) and associated gold up to 1.1 g/t (Figure 5).

Consequently, Oneva Exploration sunk two RAB drill holes 50m apart to test these anomalies. However, they abandoned drilling at 30m and 27m depth respectively due to the excessive ground water. Sampling at one metre intervals gave no encouraging Cu results other than high Fe value (Gregory, 2002). Drilling completed was not conclusive and did not test the magnetite Cu-Au target.

The high surface geochemical value, therefore, warrants geological mapping, ground magnetics and more surface geochemical sampling to redefine and generate the drill target.

7.2 Diana's Block 8

Diana's Block 8 outcrops 2.6km NNE of Corner Post Hill. This area appears to be very similar to Diana's Block 2. Malachite and chalcocite are associated with strongly magnetic magnetite-quartz gneisses (north-east trending shear zone) hosted by biotite-muscovite-quartz-feldspar gneiss over a strike length of 120m. The shear zone has similar strike (40^0 Magnetic N) and dip (80^0 NW) as Diana's Block 2.

The mineralisation is lensoid with irregularly spaced high-grade pods along the shear. Three rock chip samples were taken: G00182 taken from the quartz-magnetite rock, G00183 from the shear zone (Myolinite) and G00184 from mineralised mica-quartzo-feldspathic gneiss. Among these rock chip samples G00184 returned with 0.736% Cu and 1.7 g/t Au while G00182 returned with 41.3% Fe (Table 2 and 3).

Rock chip samples acquired by Oneva Exploration (Gregory, 2002) returned between 2.5% and 15.1% Cu and 0.5 – 2.57 g/t Au. Consequently, two RAB drill holes were sunk on the northwest side of the shear spaced 45m apart. All drilling was hampered due to water incursion at 43m and 42m respectively. Drilling completed was not conclusive and the magnetic shear was not penetrated.

Similar to Diana's Block 2, the high surface geochemical value at Diana's Block 8 also warrants geological mapping, ground magnetics and more surface geochemical sampling to redefine and generate drill target.

7.3 Corner Post Hill

Corner Post Hill is located and oriented along the Cadney Fault on a low, out-cropping hill. Strongly copper-mineralised iron-rich pods were confined to discrete lenses of quartz veins within sheared quartzo-feldspeathic gneiss over a strike length of 70m with a width of 10-15m on the west slope of the hill. Malachite and chrysocolla mineralisations are associated with quartz-carbonate veins. The lenses strike E-W and dip 60°N.

Four rock chip samples were collected: G00180 and G00181 from the west side of the hill from host rock (sheer zone) and mineralized pod respectively; and G00168 and G00169 from the east side of the hill from the sheer zone and quartz vein respectively. Among these samples G00181 returned with the following very significant results: 5.8% Cu, 0.74g/t Au, 27g/t Ag, 4.62% Bi and 3450ppm Pb.

Oneva's assay data for seven samples produced a maximum of 11.1% Cu, 0.044 g/t Au and 8 g/t Ag (Gregory, 2002). The samples averaged 6.8% Cu, 0.12 g/t Au, 3 g/t Ag, 1380 ppm Pb and 1.44% Bi. Resampling by Consultant geologist Corbett (Gregory, 2002) produced 3.2% to 11.1% Cu from five samples. Corbett suggested that the mineralisation was introduced along the Cadney Fault during deformation and that drilling was necessary to ascertain the continuity and nature of the mineralisation at depth and along strike.

A sample from 350m east southeast of Corner Post Hill along the Cadney Fault also returned 0.003g/t Au and to 2659ppm Cu (Gregory, 2002).

It is noted that there is strong association of copper, gold, silver, lead and bismuth among the geochemical result of samples taken from the Cadney shear zone at the Corner Post Hill. Corbett (Gregory, 2002) also suggested that mineable width will only be attained if the surface mineralized lenses coalesce in depth. This possibility can only be assessed by drilling down-dip of the best mineralized sample sites which strike 110^0 TN along the Cadney Fault and dip at 60^0N.

8. DISCUSSION

The Alice Springs Exploration Project is situated in an area that is known to host a variety of mineral deposits (Ahmad, 1999; Northern Territory Geological Survey, 2004; Hussey, 2003; Lyons et al, 2006 and Hussey et al, 2006). There has only been small scale, isolated and low-tech historical mining throughout the area. Several phases of exploration have been completed over the past 20 years but none have succeeded in identifying mineral deposits large enough to sustain an economically viable mine.

This reconnaissance field evaluation work is not only identified the nature of mineralisation and the potential which exists but also highlighted the need to implement appropriate exploration methods in following up the identified prospects.

There are three Zn-Cu and Cu-Au mineralization models in the Strangways Metamorphic Complex (SMC), Arunta Region (Hussey et al, 2006). These are: Utnalanama Type with association of elements Zn-Pb-Cu (Ag-Au-Bi-Cd); Oonagalabi Type with association of elements Zn-Cu-Pb (Ag-Au-Bi) and Johnnies Type with association of elements Cu-Au-Pb (Zn-Ag-Bi-Mo-Mn-Ca-HFSE-REE).

Although much more work needs to be done to fully identify the host, alteration assemblage and the origin of the revealed mineralization and to thereby, assign it to a mineralization model, there a strong geochemical similarity with the regional mineralization types. For example the association of copper gold and silver in rock chip samples collected from Camp Hill and Diana's Block 2 and 8 and the association of copper, gold, lead, silver and bismuth in rock chip samples collected from Corner post Hill.

The association of copper anomalism with magnetite enrichment is characteristic of the "Johnnies-type" deposits and was also seen at Diana's Block 2 and 8, Magnetite Hill and Triple Iron Hill.

The association of lead and bismuth with the copper-gold anomaly from quartz-carbonate lenses signifies the similarity of the carbonate-associated mineralisation with the "Oonagalabi-type" deposits.

The fact that there are four types of mineralisation in the project area there could be one or mix or new mineralisation type.

9. CONCLUSIONS

- The elongate electromagnetic anomaly, which occupies the full E-W extent of the Genesis Camp Hill VTEM survey, being in excess of 12km in length, was mostly masked from surface exploration by regolith development.
- The E-M anomaly is probably a response to this regolith, but in places may reflect basement conductors.
- The regolith, in turn, fills an easily weathered shear zone, the Cadney Fault.
- Where outcrop protrudes through the regolith, for example at Corner Post Hill, the significant shear zone is up to 15m wide and contains lenses of quartz-carbonate veins. These veins host precious and base metal mineralisations up to the following maximum grades: 11.1% Cu, 27 g/t Ag, 0.7 g/t Au, 4.6% Bi and 3450 ppm Pb.
- Cross-cutting faults associated with magnetite, also host lensoidal base and precious mineralisation of high maximum grates: 29.5% Cu, 2.57 g/t Au and 41.3% Fe.
- Good potential exists for economic Cu-Ag-Bi-Au (-Ph-Zn-REE) mineralisation, especially beneath the regolith cover of the Cadney Fault at the major cross-cutting fault intersections.
- Quartz veins in the Camp Hill Mine area (Anomaly 18) which follow local shears (strike 300° Magnetic N), may also be localized by cross-cutting faults (striking at 045° Magnetic N). Maximum assays were 1% Cu and 0.03 g/t Au.
- Iron-rich gneisses at Magnetite Hill and Triple Iron Hill contain maximum assays as follows: 33% Fe, 2.1% Cu, 0.05 g/t Au, 552 ppm Co and 70% Fe, respectively.
- The full potential of iron mineralisation in the project area is untested due to access problems. access is a serious problem in designing of a program for drill testing the

iron mineralisations – however Resource Potentials will elaborate on this aspect when the aeromagnetic data is reviewed relative to the new ground magnetic data

10. RECOMMENDATIONS

- Thorough investigation should be implemented (soil and rock chip sampling) along the extent of Cadney Fault. Soil geochemistry should be carried out over regolith covered areas to locate mineralized zones or extensions of mineralised zones under cover. The work should be aimed at locating drill targets.
- In addition, cross cutting structural features, particularly structures intersecting Cadney Fault should be mapped with ground magnetometer surveys after inspection of the ATEM data.
- Drilling is recommended to assess:
    - Geochemical anomalies indicating mineralised pods coalesce at depth and along the Cadney Fault to the west of Corner Post Hill,
    - electromagnetic anomalies along the Cadney Fault where they show no surface mineralisations and
    - the continuity of mineralisation at depth and along the strike of the Camp Hill mineralised quartz veins.
- Further detailed geological and geophysical modeling, by integrating all available data (old aeromagnetic, TMI from XTEM survey, recent ground magnetic, and regional magnetics), required to assess the potentials of iron mineralisation in the eastern part of the project area.

Table 1. Alice Springs EL24817 Exploration targets 2011

GenID	RptFigTabNum	MGA E	MGA N	AnType	Intensity	Units	Length m	Magsusc x 10^{-5} SIU	TonEstMt	Cause	Fe%max	Cu%max	Survey	Specs	Comments
1	ResPot240211/5/3	468175	7435034	TMI	3250	nT	800	18200	28	Magnetite			MagHill	150EW	2-4m wide BIF and massive iron
2	ResPot240211/5/3	468327	7432955	TMI	4750	nT	200	12000	7	Magnetite			MagHill	150EW	Massive iron & BIF, Magnetite Hill
3	ResPot240211/5/3	464253	7435885	TMI	3500	nT	250	12200	9	Magnetite	64	3	MagHill	150EW	Massive iron & BIF in qz-f gneisses. Co 1.1%, Zr 1.8%
4	ResPot240211/5/3	442602	7432662	TMI	2650	nT	500		35	Magnetite			Regional	200-400	Not Visited, poor access
5	ResPot240211/5/3	465656	7435955	TMI	1050	nT	100	3800	4	SpHe/Geo /Lim/Mt	70		MagHill	150EW	Massive iron & BIF, Triple Iron Hill, host qz-f-gneisses
6	ResPot240211/5/3	480603	7425188	TMI	2000	nT	900	2190	32	Magnetite			Regional	200-400	Metadolerite
7	ResPot151210/6/4	467360	7433740	EM	strong	ohm				drainage?			MagHill	150EW	Not Visited, poor access
8	ResPot151210/6/4	468070	7433920	EM	strong	ohm	400					8.3	MagHill	150EW	Not Visited, poor access
9	ResPot151210/6/4	469110	7431830	EM	strong	ohm	500	290		drainage?			MagHill	150EW	
10	ResPot151210/6/4	464940	7435400	EM	strong	ohm	500			BIF			MagHill	150EW	Not Visited, poor access
11	ResPot151210/5/3	441240	7445780	EM	strong	ohm		16900				40	CampHill	150NS	Metadolerite, magnetic and none magnetic
12	ResPot151210/5/3	442070	7445640	EM	mod	ohm							CampHill	150NS	qz-f-gneisses, no mineralisation on the surface
13	ResPot151210/5/3	445210	7443780	EM	strong	ohm							CampHill	150NS	Structural intersection, covered
14	ResPot151210/5/3	445500	7444470	EM	mod	ohm	250	3810				1	CampHill	150NS	Metadolerite, magnetic and non-magnetic
15	ResPot151210/5/3	445240	7444870	EM	mod	ohm	250					1	CampHill	150NS	Metadolerite, magnetic and non-magnetic
16	ResPot151210/5/3	447900	7443340	EM	strong	ohm	1000					5	CampHill	150NS	Qz-f-gneisses, isolated small pod of Cu mineralisation in qz vein
17	ResPot151210/5/3	443030	7444450	EM	strong	ohm						2	CampHill	150NS	E of Corner post Hill, no surface mineralisation
18	Camp Hill	438400	7451700	Occ			100			Vein			CampHill		Mineralised qz veins in metagabro fracture or fault zone
19	Copper Hill	440200	7449800	Occ			1100			Vein		1	CopperHill		Not Visited, poor access

Table 2: Alice Springs Project EL24817 rock chip samples assay results

SAMPLE	Au_0.01 (ppm)	Ag (ppm)	As (%)	Bi (%)	Cd (%)	Co (%)	Cr (%)	Cu (%)	Fe (%)	Mg (%)	Mn (%)	Mo (%)	Ni (%)	P (ppm)	Pb (%)	S (%)	Zn (%)	Au_0.001
G00153	0.02			0.001	0.0001	0.003	0.006	0.014	7.66	0.66	0.02			210	0.001	0.03	0.003	0.006
G00154	0.04	1		0.001		0.002	0.003	0.018	9.54	0.93	0.05		0.001	300	0.001	0.01	0.003	0.018
G00155					0.0001	0.007	0.013	0.005	11.65	**3.47**	**0.22**		0.008	**1040**	0.003	0.01	0.021	
G00156						0.003	0.006	0.035	12.8	**1.36**	**0.19**		0.002	220	0.001	0.01	0.005	0.005
G00157		1	0.005		0.0001	0.001	0.003	0.019	**29.5**	0.2	**4.49**		0.001	**3800**	0.002	0.02	0.007	0.001
G00158	0.06	1				0.001	0.005	0.01	4.73	0.46	0.03		0.001	220	0.001	0.01	0.001	0.003
G00159	0.05	1		0.004		0.025	0.002	**0.253**	**23.9**	**1.06**	**0.29**		0.002	390		0.04	0.007	**0.042**
G00160						0.003	0.01	0.023	8.82	**1.84**	**0.32**		0.004	650	0.002	0.01	0.012	0.001
G00163		1	0.001	0.001				0.011	1.21	0.04	0.02			80	0.004	0.02	0.001	0.021
G00164	**0.03**	2	0.001			0.007		**1.04**	3.32	0.14	0.03				0.001	0.05	0.001	0.009
G00165						0.005	0.011	0.013	9.39	**3.22**	**0.11**		0.013	910	0.002	0.02	0.011	0.001
G00166		1				0.004	0.019		10.25	**3.03**	0.02		0.009	220	0.001	0.01	0.006	
G00167				0.001		0.005	0.06	0.019	7.82	**5.28**	**0.11**		0.008	220	0.001	0.01	0.004	0.015
G00168							0.002		1.29	0.07	0.02				0.001		0.001	
G00169			0.001			0.001	0.005		4.16	0.26	0.07		0.001	300	0.001	0.02		
G00170		1				0.028	0.002	**0.336**	9.36	0.09	0.02		0.004	220	0.002	0.08	0.002	0.004
G00171	0.01					0.014	0.091		**11.8**	**16.3**	**0.15**		**0.121**	270		0.02	0.007	
G00172		1		0.001		0.001		0.003	**59.3**	0.04	0.01		0.003	230		0.01	0.003	
G00173						0.002	0.011		**20**	**1.31**	0.03		0.005	480		0.01	0.005	
G00174		1		0.001		0.002	0.008		**20**	**1.32**	0.03		0.004	280	0.001		0.008	
G00175				0.001		0.002	0.01	0.001	**26.2**	**1.3**	0.04		0.003	160		0.01	0.004	0.001
G00176	0.03			0.001		0.011		**0.134**	**57**	**1.84**	0.06	0.004	0.001	220	0.003	0.04	0.011	0.028
G00177		1		0.001		0.002		0.005	4.18	**1.14**	0.01			100	0.001	0.01	0.002	
G00178	0.07	1	0.001			0.001	0.002	**0.309**	4.62	0.15	0.01			180	0.001	0.01	0.002	**0.055**
G00179			0.001			0.001		0.006	4.11	**1.92**	0.02					0.01	0.002	0.001
G00180				0.001			0.002		3.29	0.18	**0.2**		0.001	450			0.004	
G00181	**0.74**	**27**	0.001	**4.62**				**5.8**	12	0.09	0.05		0.002	630	0.345	0.07		**0.795**
G00182	0.01			0.023		0.008		0.054	**41.3**	**3.26**	**0.17**			670	0.002	0.01	0.007	0.011
G00183				0.002		0.001		0.005	3.2	0.97	0.02			120	0.001	0.01	0.008	0.01
G00184	**1.7**	1	0.001	0.018		0.002		**0.736**	4.14	0.19	0.01			260	0.001		0.005	**0.4**

Table 3: Alice Springs project EL24817 Rock chip samples description

Sample Number	UTM_E	UTM_N	Comments
G00153	469952	7431320	Ferruginous metavolcanic, moderately magnetic (1290 SIU), 10-15m thick, strikes 40E, dips Vertically, multiple outcrops
G00154	469381	7431580	Metadolerite, ferruginous, slightly magnetic (290 SIU), weathered
G00155	480470	7425414	Metadolerite, ferruginous, magnetic (2190 SIU)
G00156	470560	7431917	South of Magnetite Hill, ferruginous metadolerite, moderately magnetic (476 SIU)
G00157	468180	7435227	BIF, highly magnetic, massive iron at the centre of the outcrop(18200 SIU), 4m thick, strikes to N & dips Vertically
G00158	468730	7434830	BIF, highly magnetic
G00159	468272	7433083	Magnetite Hill, BIF and massive iron
G00160	470040	7432577	Metadolerite, 10-15m thick, strikes 40E, magnetic (2590 SIU), 1.7km SE of Magnetite Hill
G00163	438851	7451945	Mineralised qz vein within pegmatite in a shear zone strikes 60W, west of Camp Hill
G00164	438325	7451652	mineralised qz vein in a fracture zone within metagabbros, strikes 60MW & dips Vertically , Camp Hill Workings
G00165	441241	7445820	Metadolerite, preserved igneous structure, iron stained, strikes E-W, dips Vertically
G00166	441241	7445820	Sample taken from highly magnetic body (16900 SIU) from the same location as G000165
G00167	441964	7445837	Metabasalt from Genesis anomaly 12
G00168	442203	7444648	qz vein E of Corner Post Hill
G00169	442203	7444648	Mylonite, li, he & ge stains, E side of Corner post Hill
G00170	447843	7443347	Qz vein, py, minor Fe stain, thin pod within 2m thick vein, country rock bi-f-gneisses
G00171	445755	7444649	Metagabbros, meta-basalt, magnetic (3810 SIU), N of Cadney Fault
G00172	465753	7435905	Massive iron, Triple Iron Hill, highly magnetic (3800 SIU)
G00173	464216	7435842	Massive, highly magnetic, sometimes banded rock (BIF?), shear zone, strikes N_S, dips 90
G00174	464211	7435865	Sample taken from host shear zone hosts G00173
G00175	464233	7435902	Massive, fractured, highly magnetic , strikes N_S, dips vertically
G00176	441624	7445891	highly magnetic rock (12800 SIU) , 2m in thickness, 150m in length, strikes 50 E, dips Vertically
G00177	441614	7445870	Qz-f-gneiss rock hosts G00176, shear zone
G00178	441650	7445902	Qz-f-gneisses rock with Cu staining (chrysocolla) hosts G00176, shear zone
G00179	441723	7445951	bi-gneisses lateral variation, along the same strike as G00176
G00180	442158	7444676	Myolitised, Fe stained, hosts qz-vein with Cu pods at the feet of the hill, W Corner Post Hill, Cadney Fault
G00181	442097	7444715	Pods within qz vein, Cu stain (chrysocolla), 1-3cm thick, W of Corner Post Hill, Cadney Fault
G00182	442104	7447043	Fe rich, magnetic (1040 SIU) bi-qz(-+)-f-gneisses (shear zone?)
G00183	443144	7447086	Shear zone, myolitised bi-qz-f-gneiss
G00184	443148	7447104	Cu stained bi-qz-f gneisses, adjacent outcrop qz-fe gneisses, shear zone, strikes 40E & dips Vertically

Table 4. Alice Springs Project EL24817 Magnetic Susceptibility Readings

GenID (AFE)	UTM_Easting	UTM_Northing	SIUx10^{-5}	Comments
	464175	7435774	9.9	1.5km W of Triple Iron Hill
	464184	7435806	38.9	1.5km W of Triple Iron Hill
	464221	7435844	12200	1.5km W of Triple Iron Hill
5	465761	7435912	2400	Triple Iron Hill
5	465676	7435845	1790	Triple Iron Hill
5	465704	7435903	450	Triple Iron Hill
5	465712	7435940	3800	Triple Iron Hill
2	468532	7433040	12000	Magnetite Hill
2	468303	7433059	1700	Magnetite Hill
2	468200	7432989	9420	Magnetite Hill
2	468241	7432935	8440	Magnetite Hill
2	468418	7432858	165	Magnetite Hill
(11-12)	443104	7447043	1040	2km NE of Anom 11,Fe rich mica-qz-f gneiss, weekly magnetic, foliated (shear zone) and lineated
(11-12)	441624	7445891	12800	Between Anom 11 & 12, massive, Fe rich rock, 2m thick-150m strike length, dips 70 & strikes 20E, adjacent Cu stained pods in mica-qz-f gneiss
14	445755	7444649	3810	metagabro & metabasalt, the metabasalt is highly magnetic, N of Cadney Fault
11	441241	7445820	16900	Metadolerite & metabasalt, magnetic, massive to some times banded lineated with augan pl,
	470040	7432577	2590	Fe rich metadolerite, highly magnetic, at places none magnetic, foliated & banded, 7-10m thick, strikes 40E, 1.8km SE of Magnetic Hill
1	468180	7435227	18200	Fe rich rock within bi-qz-f gneiss
	470560	7431917	206	Metadolerite, Fe rich rock (li,go & he), none magnetic, thick 30-40m, strikes 40E & dips nearly Vertically
	470569	7431930	476	Metadolerite, Fe rich rock (li,go & he), none magnetic, thick 30-40m, strikes 40E & dips nearly Vertically
6	480470	7425414	2190	metadolerite, massive, fe rich, magnetic
9	469381	7431580	290	metadolerite, massive, fe rich (he, li), weathered
	469952	7431320	1290	1km SE of Anom 9,metabasalt, ferruginous, slightly magnetic, weathered, fractured, 15-20m thick, strikes 40E, dips Vertically

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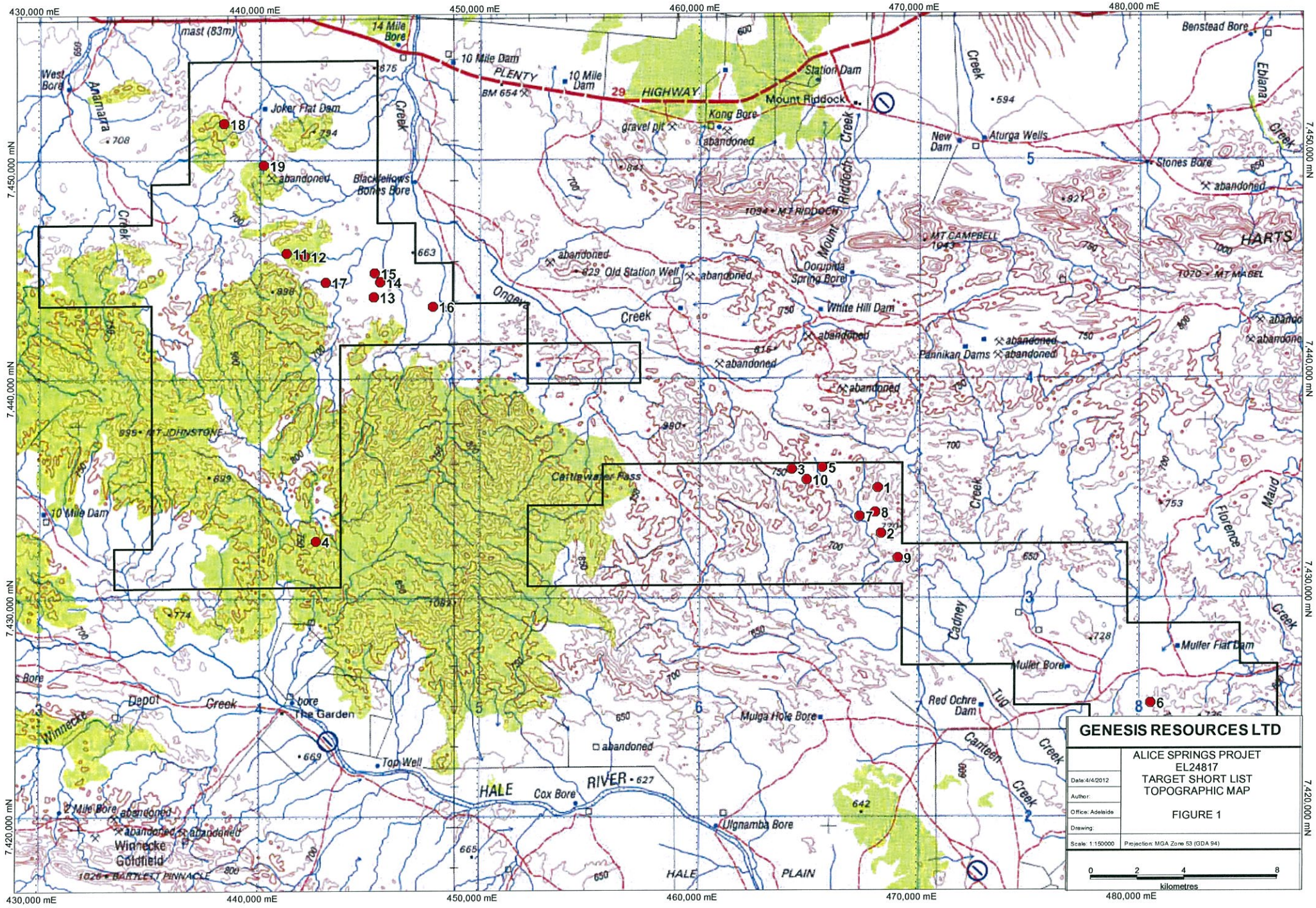
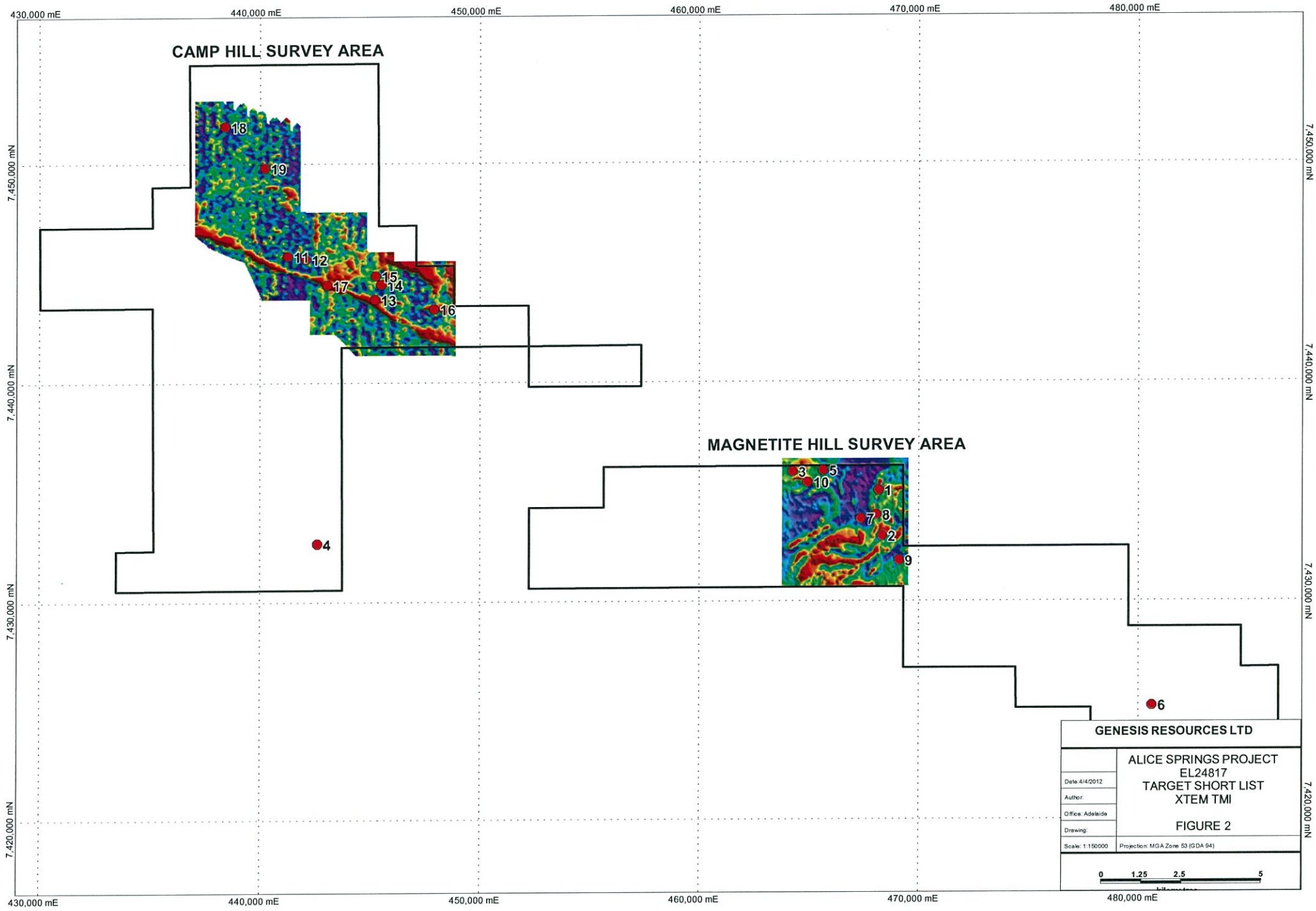
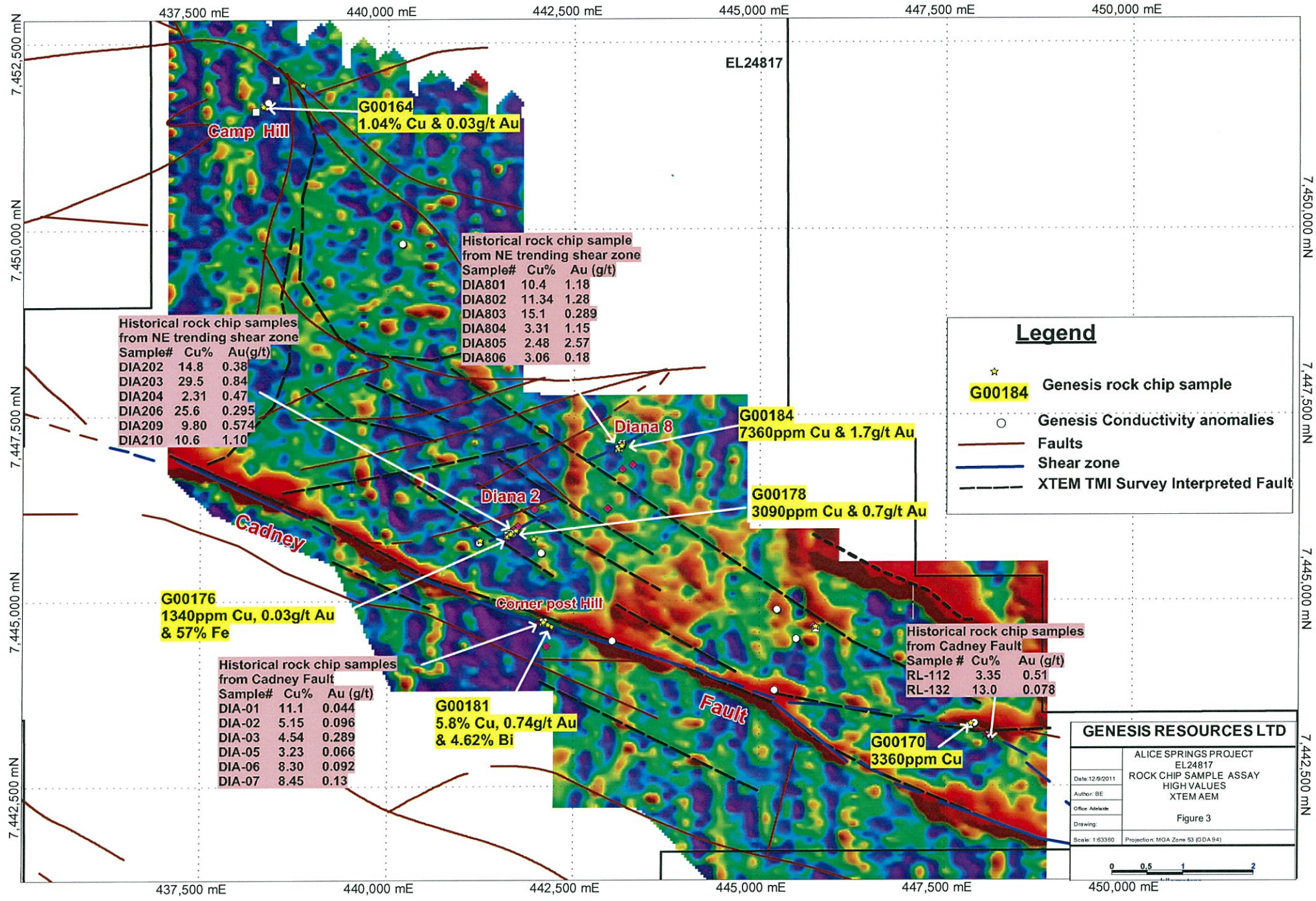


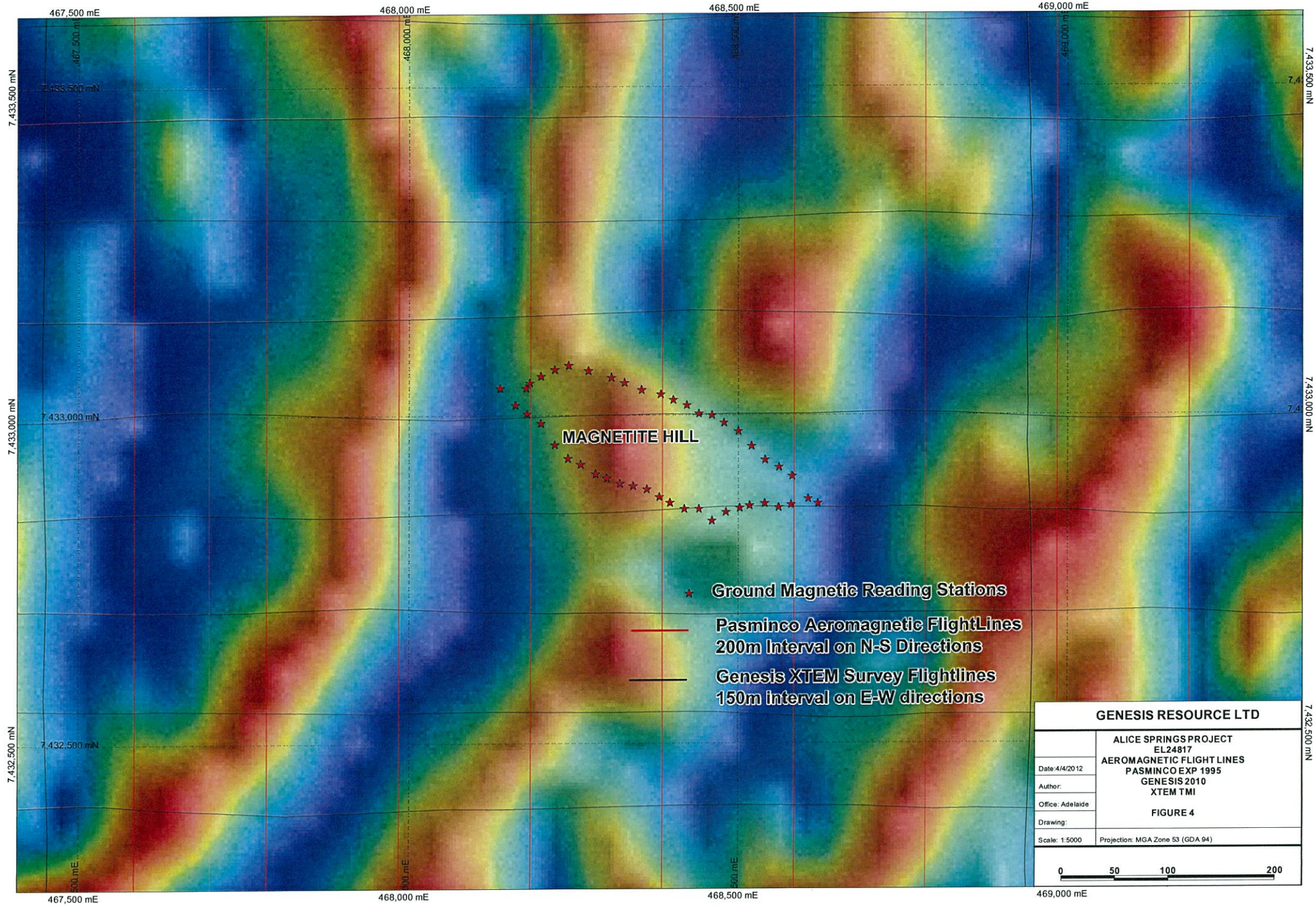
GENESIS RESOURCES LTD

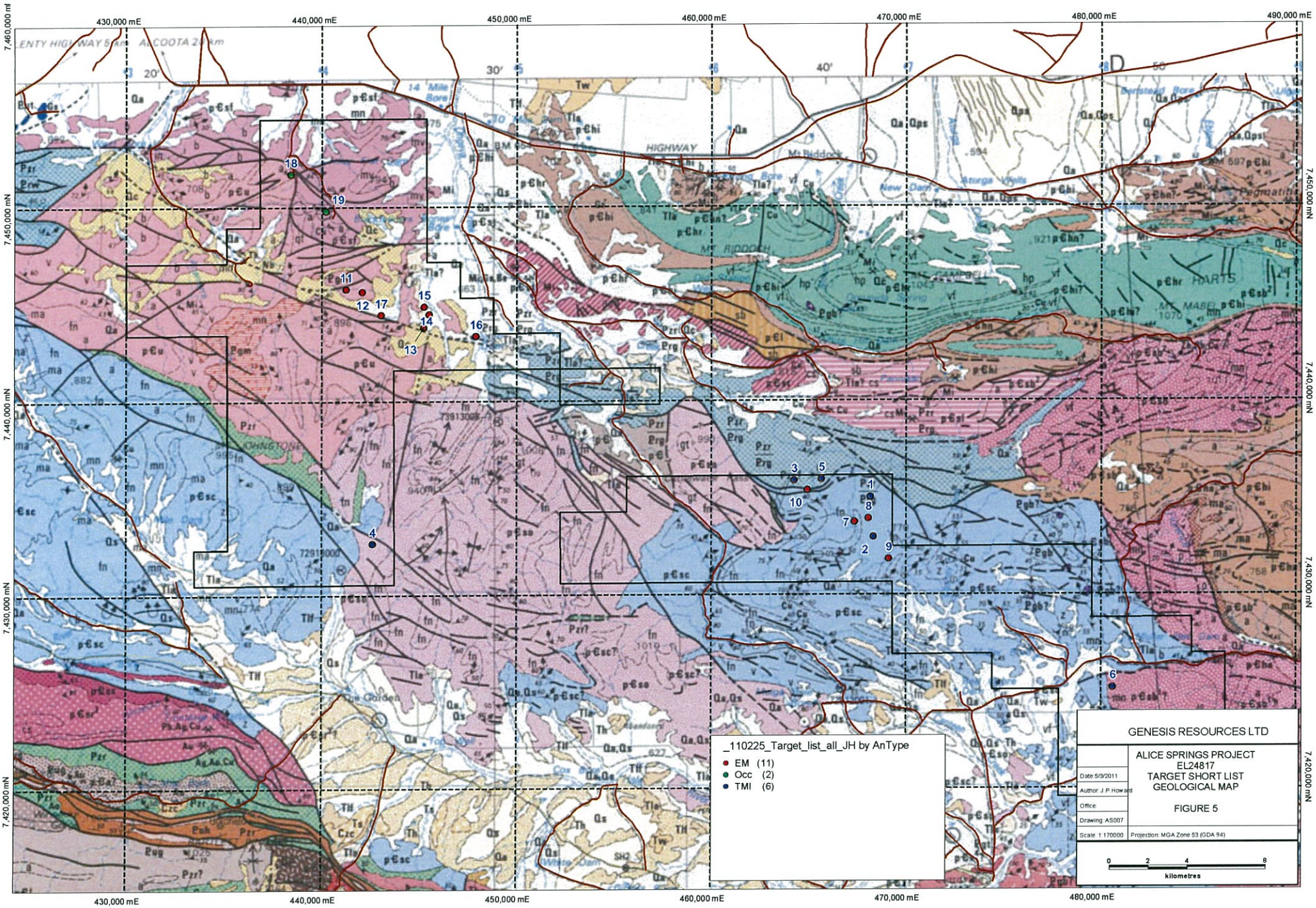
	ALICE SPRINGS PROJET EL24817 TARGET SHORT LIST TOPOGRAPHIC MAP
Date: 4/4/2012	
Author:	
Office: Adelaide	FIGURE 1
Drawing:	
Scale: 1:150000	Projection: MGA Zone 53 (GDA 94)

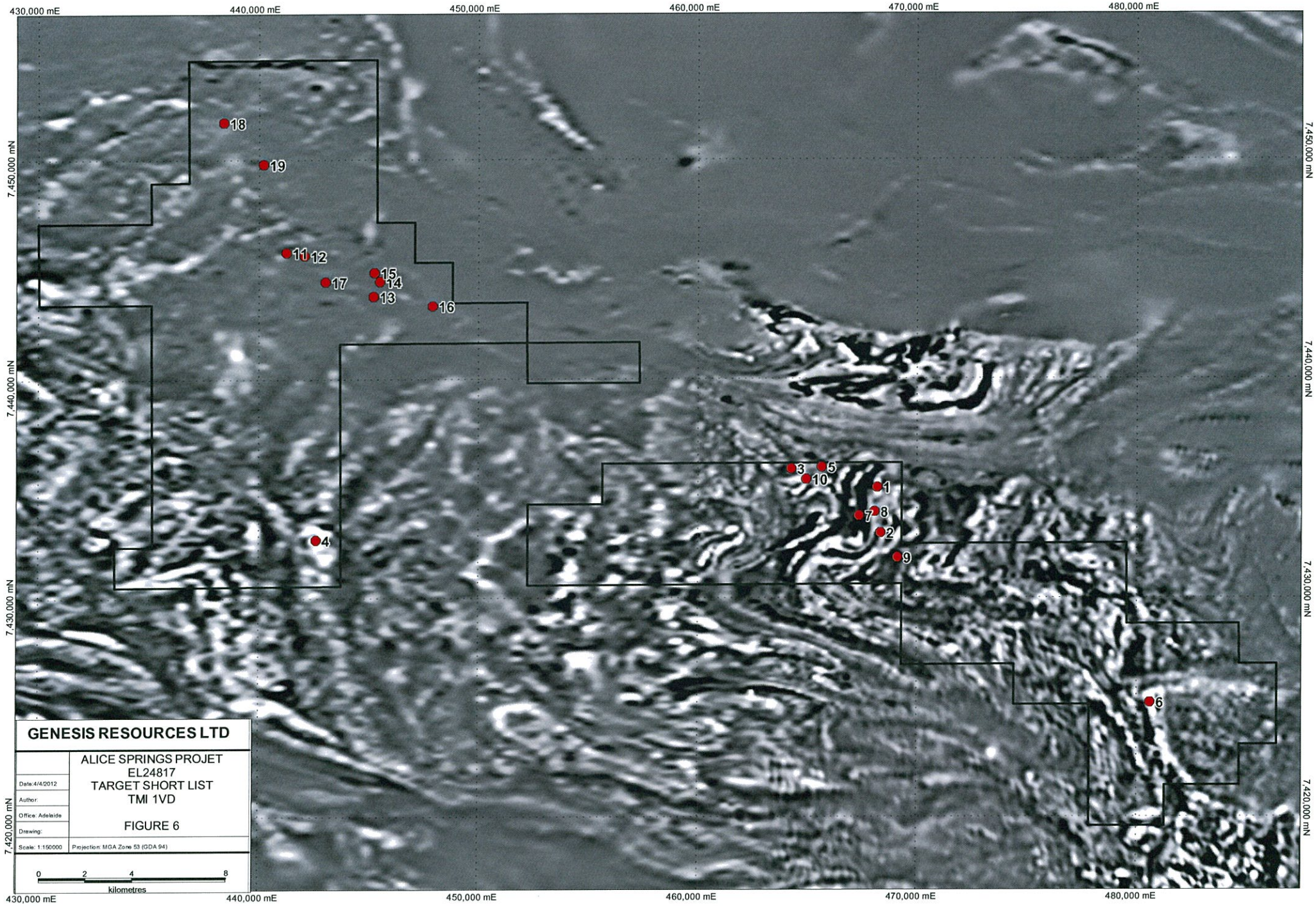
0 2 4 8
kilometres


CAMP HILL SURVEY AREA
MAGNETITE HILL SURVEY AREA
18
19
11
12
15
14
17
13
16
4
3
5
10
1
7
8
2
9
6
430,000 mE
440,000 mE
450,000 mE
460,000 mE
470,000 mE
480,000 mE
7,450,000 mN
7,440,000 mN
7,430,000 mN
7,420,000 mN
GENESIS RESOURCES LTD
ALICE SPRINGS PROJECT
EL24817
TARGET SHORT LIST
XTEM TMI
FIGURE 2
Date: 4/4/2012
Author:
Office: Adelaide
Drawing:
Scale: 1:150000
Projection: MGA Zone 53 (GDA 94)
0
1.25
2.5
5
kilometres


437,500 mE
440,000 mE
442,500 mE
445,000 mE
447,500 mE
450,000 mE
7,452,500 mN
7,450,000 mN
7,447,500 mN
7,445,000 mN
7,442,500 mN
EL24817
G00164
1.04% Cu & 0.03g/t Au
Camp Hill
Historical rock chip sample
from NE trending shear zone
Sample# Cu% Au (g/t)
DIA801 10.4 1.18
DIA802 11.34 1.28
DIA803 15.1 0.289
DIA804 3.31 1.15
DIA805 2.48 2.57
DIA806 3.06 0.18
Historical rock chip samples
from NE trending shear zone
Sample# Cu% Au(g/t)
DIA202 14.8 0.38
DIA203 29.5 0.84
DIA204 2.31 0.47
DIA206 25.6 0.295
DIA209 9.80 0.574
DIA210 10.6 1.10
Diana 8
G00184
7360ppm Cu & 1.7g/t Au
Diana 2
G00178
3090ppm Cu & 0.7g/t Au
Cadney
G00176
1340ppm Cu, 0.03g/t Au
& 57% Fe
Corner post Hill
Historical rock chip samples
from Cadney Fault
Sample# Cu% Au (g/t)
DIA-01 11.1 0.044
DIA-02 5.15 0.096
DIA-03 4.54 0.289
DIA-05 3.23 0.066
DIA-06 8.30 0.092
DIA-07 8.45 0.13
G00181
5.8% Cu, 0.74g/t Au
& 4.62% Bi
Fault
Historical rock chip samples
from Cadney Fault
Sample # Cu% Au (g/t)
RL-112 3.35 0.51
RL-132 13.0 0.078
G00170
3360ppm Cu
Legend
G00184 Genesis rock chip sample
Genesis Conductivity anomalies
Faults
Shear zone
XTEM TMI Survey Interpreted Fault
GENESIS RESOURCES LTD
ALICE SPRINGS PROJECT
EL24817
ROCK CHIP SAMPLE ASSAY
HIGH VALUES
XTEM AEM
Figure 3
Date:12/9/2011
Author: BE
Office: Adelaide
Drawing:
Scale: 1:63360
Projection: MGA Zone 53 (GDA 94)
0 0.5 1 2


467,500 mE
468,000 mE
468,500 mE
469,000 mE
7,433,500 mN
7,433,000 mN
7,432,500 mN
MAGNETITE HILL
Ground Magnetic Reading Stations
Pasminco Aeromagnetic FlightLines
200m Interval on N-S Directions
Genesis XTEM Survey Flightlines
150m interval on E-W directions
GENESIS RESOURCE LTD
ALICE SPRINGS PROJECT
EL24817
AEROMAGNETIC FLIGHT LINES
PASMINCO EXP 1995
GENESIS 2010
XTEM TMI
FIGURE 4
Date:4/4/2012
Author:
Office: Adelaide
Drawing:
Scale: 1:5000
Projection: MGA Zone 53 (GDA 94)
0
50
100
200


430,000 mE
440,000 mE
450,000 mE
460,000 mE
470,000 mE
480,000 mE
490,000 mE
7,460,000 mN
7,450,000 mN
7,440,000 mN
7,430,000 mN
7,420,000 mN
_110225_Target_list_all_JH by AnType
EM (11)
Occ (2)
TMI (6)
GENESIS RESOURCES LTD
ALICE SPRINGS PROJECT
EL24817
TARGET SHORT LIST
GEOLOGICAL MAP
FIGURE 5
Date: 5/3/2011
Author: J.P.Howard
Office:
Drawing: AS007
Scale: 1:170000
Projection: MGA Zone 53 (GDA 94)
0 2 4 8
kilometres


430,000 mE
440,000 mE
450,000 mE
460,000 mE
470,000 mE
480,000 mE
7,450,000 mN
7,440,000 mN
7,430,000 mN
7,420,000 mN
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GENESIS RESOURCES LTD
ALICE SPRINGS PROJET
EL24817
TARGET SHORT LIST
TMI 1VD
FIGURE 6
Date: 4/4/2012
Author:
Office: Adelaide
Drawing:
Scale: 1:150000
Projection: MGA Zone 53 (GDA 94)
0 2 4 8
kilometres

APPENDIX 2

Alice Springs EL24817 Soil Samples Location Details

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00185	448700	7443600	53K	8/11/2011	Depositional Plain
G00186	448700	7443400	53K	8/11/2011	Alluvial Plain
G00187	448700	7443200	53K	8/11/2011	Alluvial Plain
G00188	448700	7443000	53K	8/11/2011	Alluvial
G00189	448700	7442200	53K	8/11/2011	Colluvial
G00190	448700	7442000	53K	8/11/2011	Alluvial Plain
G00191	448700	7441800	53K	8/11/2011	Alluvial Plain
G00192	448500	7441600	53K	8/11/2011	Alluvial Plain
G00193	448501	7441800	53K	8/11/2011	Alluvial Plain
G00194	448500	7442000	53K	8/11/2011	Alluvial Plain
G00195	448500	7442200	53K	8/11/2011	Alluvial Plain
G00196	448500	7442400	53K	8/11/2011	Alluvial Plain
G00197	448500	7442600	53K	8/11/2011	Alluvial Plain
G00198	448500	7443000	53K	8/11/2011	Alluvial Plain
G00199	448500	7443200	53K	8/11/2011	Alluvial Plain
G00200	448500	7443400	53K	8/11/2011	Alluvial Plain
G00201	448500	7443600	53K	8/11/2011	Alluvial Plain
G00202	448300	7443600	53K	8/11/2011	Alluvial Plain
G00203	448300	7443400	53K	8/11/2011	Alluvial Plain
G00204	448300	7443200	53K	8/11/2011	Colluvial
G00205	448300	7443000	53K	9/11/2011	Alluvial Plain
G00206	448300	7442600	53K	9/11/2011	Alluvial Plain
G00207	448300	7442200	53K	9/11/2011	Alluvial Plain
G00208	448300	7442000	53K	9/11/2011	Alluvial Plain
G00209	448300	7441800	53K	9/11/2011	Alluvial Plain
G00210	448301	7441600	53K	9/11/2011	Alluvial Plain
G00211	448100	7441800	53K	9/11/2011	Alluvial Plain
G00212	448101	7442000	53K	9/11/2011	Colluvial
G00213	448100	7442200	53K	9/11/2011	Alluvial Plain
G00214	448100	7442400	53K	9/11/2011	Alluvial Plain
G00215	448100	7442600	53K	9/11/2011	Alluvial Plain
G00216	448100	7443200	53K	9/11/2011	Alluvial Plain
G00217	448100	7443401	53K	9/11/2011	Alluvial Plain
G00218	448100	7443600	53K	9/11/2011	Depositional Plain
G00219	447900	7443600	53K	9/11/2011	Depositional Plain
G00220	447900	7443400	53K	9/11/2011	Depositional Plain
G00221	447899	7443201	53K	9/11/2011	Depositional Plain
G00222	447900	7442601	53K	9/11/2011	Depositional Plain
G00223	447900	7442400	53K	9/11/2011	Colluvial
G00224	447900	7442200	53K	9/11/2011	Colluvial
G00225	447900	7442000	53K	9/11/2011	Colluvial
G00226	447899	7441800	53K	9/11/2011	Colluvial
G00227	447700	7441801	53K	9/11/2011	Colluvial
G00228	447700	7442000	53K	9/11/2011	Colluvial
G00229	447700	7442200	53K	9/11/2011	Colluvial
G00230	447700	7442401	53K	9/11/2011	Colluvial
G00231	447700	7442600	53K	9/11/2011	Colluvial
G00232	447700	7443200	53K	9/11/2011	Colluvial
G00233	447700	7443400	53K	9/11/2011	Depositional Plain
G00234	447700	7443599	53K	9/11/2011	Depositional Plain
G00235	447500	7443600	53K	9/11/2011	Depositional Plain
G00236	447500	7443400	53K	9/11/2011	Depositional Plain
G00237	447500	7443200	53K	9/11/2011	Depositional Plain
G00238	447500	7442600	53K	9/11/2011	Depositional Plain
G00239	447500	7442400	53K	10/11/2011	Colluvial
G00240	447500	7442199	53K	10/11/2011	Depositional Plain
G00241	447501	7442000	53K	14/11/2011	Depositional Plain
G00242	447500	7441800	53K	14/11/2011	Depositional Plain
G00243	447300	7441999	53K	14/11/2011	Depositional Plain
G00244	447300	7442200	53K	14/11/2011	Depositional Plain
G00245	447300	7442400	53K	14/11/2011	Depositional Plain
G00246	447300	7442600	53K	14/11/2011	Depositional Plain

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00247	447300	7443200	53K	14/11/2011	Depositional Plain
G00248	447300	7443400	53K	14/11/2011	Depositional Plain
G00249	447300	7443600	53K	14/11/2011	Depositional Plain
G00250	447100	7443400	53K	14/11/2011	Colluvial
G00251	447100	7443200	53K	14/11/2011	Depositional Plain
G00252	447100	7442600	53K	14/11/2011	Depositional Plain
G00253	447100	7442400	53K	14/11/2011	Depositional Plain
G00254	447100	7442200	53K	14/11/2011	Depositional Plain
G00255	447100	7442000	53K	14/11/2011	Depositional Plain
G00256	446900	7442200	53K	14/11/2011	Depositional Plain
G00257	446901	7442400	53K	14/11/2011	Depositional Plain
G00258	446900	7442600	53K	14/11/2011	Weathered Quartzoeldspathic Gneiss
G00259	446900	7443200	53K	14/11/2011	Colluvial
G00260	446900	7443400	53K	14/11/2011	Colluvial
G00261	446900	7443600	53K	14/11/2011	Colluvial
G00262	446700	7443400	53K	14/11/2011	Colluvial
G00263	446700	7443600	53K	14/11/2011	Depositional Plain
G00264	446700	7443200	53K	14/11/2011	Depositional Plain
G00265	446700	7442800	53K	14/11/2011	Alluvial
G00266	446700	7442600	53K	14/11/2011	Alluvial
G00267	446700	7442400	53K	17/11/2011	Alluvial
G00268	446500	7442600	53K	17/11/2011	Weathered Quartzoeldspathic Gneiss
G00269	446500	7442800	53K	17/11/2011	Depositional Plain
G00270	446500	7443000	53K	17/11/2011	Depositional Plain
G00271	446500	7443400	53K	17/11/2011	Depositional Plain
G00272	446500	7443600	53K	17/11/2011	Alluvial
G00273	446300	7443800	53K	17/11/2011	Depositional Plain
G00274	446300	7443600	53K	17/11/2011	Depositional Plain
G00275	446300	7443400	53K	17/11/2011	Depositional Plain
G00276	446300	7443000	53K	17/11/2011	Depositional Plain
G00277	446300	7442800	53K	17/11/2011	Colluvial
G00278	446300	7442600	53K	17/11/2011	Colluvial
G00279	446100	7442800	53K	17/11/2011	Depositional Plain
G00280	446100	7443000	53K	17/11/2011	Depositional Plain
G00281	446100	7443200	53K	17/11/2011	Colluvial
G00282	446100	7443600	53K	17/11/2011	Colluvial
G00283	446100	7443800	53K	17/11/2011	Colluvial
G00284	445896	7443988	53K	17/11/2011	Depositional Plain
G00285	445900	7443800	53K	17/11/2011	Depositional Plain
G00286	445900	7443600	53K	17/11/2011	Depositional Plain
G00287	445900	7443200	53K	18/11/2011	Depositional Plain
G00288	445900	7443000	53K	18/11/2011	Depositional Plain
G00289	445900	7442790	53K	18/11/2011	Depositional Plain
G00290	445700	7443000	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00291	445700	7443200	53K	18/11/2011	Depositional Plain
G00292	445700	7443400	53K	18/11/2011	Depositional Plain
G00293	445700	7443600	53K	18/11/2011	Colluvial
G00294	445700	7443800	53K	18/11/2011	Depositional Plain
G00295	445700	7444000	53K	18/11/2011	Meta gabbro
G00296	445500	7444000	53K	18/11/2011	Meta gabbro
G00297	445500	7443800	53K	18/11/2011	Meta gabbro
G00298	445500	7443600	53K	18/11/2011	Meta gabbro
G00299	445500	7443400	53K	18/11/2011	Depositional Plain
G00300	445500	7443200	53K	18/11/2011	Depositional Plain
G00301	445500	7443000	53K	18/11/2011	Biotite gneiss
G00302	445300	7443200	53K	18/11/2011	Biotite gneiss
G00303	445300	7443400	53K	18/11/2011	Depositional Plain
G00304	445300	7443600	53K	18/11/2011	Depositional Plain
G00305	445300	7443800	53K	18/11/2011	Depositional Plain
G00306	445300	7444001	53K	18/11/2011	Depositional Plain
G00307	445100	7444000	53K	18/11/2011	Depositional Plain
G00308	445100	7443801	53K	18/11/2011	Depositional Plain

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00309	445100	7443600	53K	18/11/2011	Depositional Plain
G00310	445100	7443400	53K	18/11/2011	Depositional Plain
G00311	444900	7443400	53K	18/11/2011	Depositional Plain
G00312	444900	7443600	53K	18/11/2011	Depositional Plain
G00313	444900	7443800	53K	18/11/2011	Depositional Plain
G00314	444900	7444000	53K	18/11/2011	Depositional Plain
G00315	444700	7444001	53K	18/11/2011	Depositional Plain
G00316	444700	7443800	53K	18/11/2011	Depositional Plain
G00317	444700	7443600	53K	18/11/2011	Depositional Plain
G00318	444500	7443801	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00319	444500	7444000	53K	18/11/2011	Depositional Plain
G00320	444300	7445600	53K	18/11/2011	Depositional Plain
G00321	444301	7445399	53K	18/11/2011	Depositional Plain
G00322	444300	7445200	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00323	444300	7445000	53K	18/11/2011	Depositional Plain
G00324	444500	7444999	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00325	444500	7444800	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00326	444300	7444801	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00327	444300	7444600	53K	18/11/2011	Depositional Plain
G00328	444300	7444400	53K	18/11/2011	Depositional Plain
G00329	444300	7444201	53K	18/11/2011	Depositional Plain
G00330	444300	7444000	53K	18/11/2011	Depositional Plain
G00331	444300	7443800	53K	18/11/2011	Depositional Plain
G00332	444100	7443800	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00333	444100	7444000	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00334	444100	7444200	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00335	444100	7444400	53K	18/11/2011	Depositional Plain
G00336	444100	7444601	53K	18/11/2011	Depositional Plain
G00337	444100	7444800	53K	18/11/2011	Depositional Plain
G00338	444100	7445000	53K	18/11/2011	Depositional Plain
G00339	444100	7445201	53K	18/11/2011	Depositional Plain
G00340	444100	7445400	53K	18/11/2011	Depositional Plain
G00341	444100	7445600	53K	18/11/2011	Depositional Plain
G00342	443900	7445599	53K	18/11/2011	Weathered Quartzoeldspathic Gneiss
G00343	443900	7445400	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00344	443900	7445200	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00345	443900	7445001	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00346	443900	7444800	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00347	443900	7444600	53K	20/11/2011	Depositional Plain
G00348	443900	7444401	53K	20/11/2011	Depositional Plain
G00349	443900	7444200	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00350	443900	7444000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00351	443700	7444000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00352	443700	7444200	53K	20/11/2011	Depositional Plain
G00353	443700	7444400	53K	20/11/2011	Depositional Plain
G00354	443700	7444600	53K	20/11/2011	Depositional Plain
G00355	443700	7444801	53K	20/11/2011	Depositional Plain
G00356	443700	7445000	53K	20/11/2011	Depositional Plain
G00357	443700	7445200	53K	20/11/2011	Depositional Plain
G00358	443700	7445401	53K	20/11/2011	Depositional Plain
G00359	443500	7445201	53K	20/11/2011	Depositional Plain
G00360	443500	7445000	53K	20/11/2011	Depositional Plain
G00361	443500	7444800	53K	20/11/2011	Depositional Plain
G00362	443500	7444600	53K	20/11/2011	Depositional Plain
G00363	443500	7444400	53K	20/11/2011	Depositional Plain
G00364	443500	7444200	53K	20/11/2011	Depositional Plain
G00365	443500	7444000	53K	20/11/2011	Depositional Plain
G00366	443300	7444200	53K	20/11/2011	Depositional Plain
G00367	443300	7444400	53K	20/11/2011	Depositional Plain
G00368	443300	7444600	53K	20/11/2011	Depositional Plain
G00369	443300	7444800	53K	20/11/2011	Depositional Plain
G00370	443300	7445000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00371	443100	7445000	53K	20/11/2011	Depositional Plain
G00372	443100	7444800	53K	20/11/2011	Depositional Plain
G00373	443100	7444600	53K	20/11/2011	Depositional Plain
G00374	443100	7444400	53K	20/11/2011	Depositional Plain
G00375	443100	7444200	53K	20/11/2011	Depositional Plain
G00376	442900	7444200	53K	20/11/2011	Depositional Plain
G00377	442900	7444400	53K	20/11/2011	Depositional Plain
G00378	442900	7444600	53K	20/11/2011	Depositional Plain
G00379	442900	7444800	53K	20/11/2011	Depositional Plain
G00380	442700	7444800	53K	20/11/2011	Depositional Plain
G00381	442700	7444600	53K	20/11/2011	Depositional Plain
G00382	442700	7444400	53K	20/11/2011	Depositional Plain
G00383	442500	7444400	53K	20/11/2011	Depositional Plain
G00384	442500	7444600	53K	20/11/2011	Depositional Plain
G00385	442500	7444800	53K	20/11/2011	Depositional Plain
G00386	442300	7444800	53K	20/11/2011	Depositional Plain
G00387	442300	7444600	53K	20/11/2011	Cornor Post Hill East
G00388	442300	7444400	53K	20/11/2011	Depositional Plain
G00389	442100	7444400	53K	20/11/2011	Depositional Plain
G00390	442100	7444600	53K	20/11/2011	Cornor Post Hill West
G00391	442117	7444690	53K	20/11/2011	Cornor Post Hill West
G00392	442100	7444800	53K	20/11/2011	Depositional Plain
G00393	442900	7445000	53K	20/11/2011	Depositional Plain
G00394	443100	7445200	53K	20/11/2011	Colluvial
G00395	443300	7445200	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00396	443300	7445400	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00397	443500	7445400	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00398	443700	7445600	53K	20/11/2011	Depositional Plain
G00399	442100	7445000	53K	20/11/2011	Depositional Plain
G00400	441963	7445000	53K	20/11/2011	Depositional Plain
G00401	441900	7444800	53K	20/11/2011	Depositional Plain
G00402	441700	7445000	53K	20/11/2011	Depositional Plain
G00403	441700	7444799	53K	20/11/2011	Depositional Plain
G00404	441700	7445400	53K	20/11/2011	Depositional Plain
G00405	441700	7445200	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00406	441500	7445400	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00407	441700	7445600	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00408	441500	7445000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00409	441500	7445199	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00410	441500	7444800	53K	20/11/2011	Depositional Plain
G00411	441300	7445001	53K	20/11/2011	Depositional Plain
G00412	441300	7445200	53K	20/11/2011	Depositional Plain
G00413	441100	7445000	53K	20/11/2011	Depositional Plain
G00414	441300	7445400	53K	20/11/2011	Depositional Plain
G00415	441100	7445400	53K	20/11/2011	Depositional Plain
G00416	441100	7445200	53K	20/11/2011	Depositional Plain
G00417	441100	7445800	53K	20/11/2011	Depositional Plain
G00418	441100	7445600	53K	20/11/2011	Depositional Plain
G00419	440900	7445600	53K	20/11/2011	Depositional Plain
G00420	440900	7445800	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00421	440900	7445200	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00422	440900	7445400	53K	20/11/2011	Depositional Plain
G00423	440700	7445310	53K	20/11/2011	Depositional Plain
G00424	440900	7445000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00425	440700	7445400	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00426	440700	7445000	53K	20/11/2011	Weathered Quartzoeldspathic Gneiss
G00427	440700	7445600	53K	20/11/2011	Depositional Plain
G00428	440699	7445200	53K	20/11/2011	Depositional Plain
G00429	440700	7445800	53K	20/11/2011	Depositional Plain
G00430	440500	7445200	53K	20/11/2011	Colluvial
G00431	440500	7445800	53K	20/11/2011	Depositional Plain
G00432	440300	7445200	53K	20/11/2011	Depositional Plain

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00433	440500	7445600	53K	20/11/2011	Depositional Plain
G00434	440300	7445400	53K	22/11/2011	Depositional Plain
G00435	440500	7445400	53K	22/11/2011	Depositional Plain
G00436	440300	7445600	53K	22/11/2011	Depositional Plain
G00437	440300	7445800	53K	22/11/2011	Depositional Plain
G00438	440147	7445768	53K	22/11/2011	Depositional Plain
G00439	440100	7445600	53K	22/11/2011	Depositional Plain
G00440	440100	7445400	53K	22/11/2011	Depositional Plain
G00441	439900	7445800	53K	22/11/2011	Depositional Plain
G00442	439900	7445400	53K	22/11/2011	Depositional Plain
G00443	439700	7446000	53K	22/11/2011	Depositional Plain
G00444	439900	7445601	53K	22/11/2011	Depositional Plain
G00445	439700	7445800	53K	22/11/2011	Depositional Plain
G00446	439700	7445600	53K	22/11/2011	Depositional Plain
G00447	439500	7446000	53K	22/11/2011	Depositional Plain
G00448	439700	7445400	53K	22/11/2011	Depositional Plain
G00449	439500	7446200	53K	22/11/2011	Depositional Plain
G00450	439700	7445200	53K	22/11/2011	Depositional Plain
G00451	439300	7446200	53K	22/11/2011	Depositional Plain
G00452	439500	7445400	53K	22/11/2011	Depositional Plain
G00453	439300	7446000	53K	22/11/2011	Depositional Plain
G00454	439500	7445600	53K	22/11/2011	Depositional Plain
G00455	439100	7446000	53K	22/11/2011	Depositional Plain
G00456	439500	7445800	53K	22/11/2011	Depositional Plain
G00457	439100	7446200	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00458	439300	7445800	53K	22/11/2011	Depositional Plain
G00459	439100	7446400	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00460	439300	7445600	53K	22/11/2011	Depositional Plain
G00461	438900	7446200	53K	22/11/2011	Depositional Plain
G00462	439300	7445400	53K	22/11/2011	Depositional Plain
G00463	438900	7446400	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00464	438900	7446001	53K	22/11/2011	Depositional Plain
G00465	438900	7446599	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00466	438700	7446200	53K	22/11/2011	Depositional Plain
G00467	438900	7446800	53K	22/11/2011	Depositional Plain
G00468	438500	7446200	53K	22/11/2011	Depositional Plain
G00469	438700	7446800	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00470	438300	7446200	53K	22/11/2011	Depositional Plain
G00471	438700	7446600	53K	22/11/2011	Depositional Plain
G00472	438100	7446200	53K	22/11/2011	Depositional Plain
G00473	438700	7446400	53K	22/11/2011	Depositional Plain
G00474	438100	7446400	53K	22/11/2011	Depositional Plain
G00475	438500	7446400	53K	22/11/2011	Depositional Plain
G00476	437900	7446401	53K	22/11/2011	Depositional Plain
G00477	438500	7446600	53K	22/11/2011	Depositional Plain
G00478	437900	7446600	53K	22/11/2011	Depositional Plain
G00479	438500	7446800	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00480	437700	7446600	53K	22/11/2011	Depositional Plain
G00481	438300	7447200	53K	22/11/2011	Depositional Plain
G00482	437500	7446400	53K	22/11/2011	Depositional Plain
G00483	438300	7447000	53K	22/11/2011	Depositional Plain
G00484	437500	7446600	53K	22/11/2011	Depositional Plain
G00485	438300	7446800	53K	22/11/2011	Depositional Plain
G00486	438100	7446800	53K	22/11/2011	Depositional Plain
G00487	438300	7446600	53K	22/11/2011	Depositional Plain
G00488	438100	7447200	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00489	438300	7446400	53K	22/11/2011	Depositional Plain
G00490	437900	7447001	53K	22/11/2011	Depositional Plain
G00491	438100	7446600	53K	22/11/2011	Depositional Plain
G00492	437700	7446800	53K	22/11/2011	Depositional Plain
G00493	438100	7447000	53K	22/11/2011	Depositional Plain
G00494	437750	7447203	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss

Alice Springs EL24817 Soil Samples Location Details

Sample_Num	UTM_EAST	UTM_NORTH	Zone	Date_Sampled	Comments
G00495	437901	7447200	53K	22/11/2011	Weathered Quartzoeldspathic Gneiss
G00496	437500	7447200	53K	22/11/2011	Depositional Plain
G00497	437900	7446800	53K	22/11/2011	Depositional Plain
G00498	437500	7446800	53K	22/11/2011	Depositional Plain
G00499	437700	7447000	53K	22/11/2011	Depositional Plain
G00500	437300	7447000	53K	22/11/2011	Depositional Plain
G00501	437500	7447400	53K	22/11/2011	Depositional Plain
G00502	437300	7447400	53K	22/11/2011	Depositional Plain
G00503	437500	7447000	53K	22/11/2011	Depositional Plain
G00504	437100	7447599	53K	22/11/2011	Depositional Plain
G00505	437300	7446800	53K	22/11/2011	Depositional Plain
G00506	437100	7447200	53K	22/11/2011	Depositional Plain
G00507	437300	7447200	53K	22/11/2011	Depositional Plain
G00508	437100	7446800	53K	22/11/2011	Depositional Plain
G00509	437300	7447600	53K	22/11/2011	Depositional Plain
G00510	437100	7446600	53K	22/11/2011	Depositional Plain
G00511	437100	7447400	53K	22/11/2011	Depositional Plain
G00512	437300	7446599	53K	22/11/2011	Depositional Plain
G00513	437100	7447001	53K	22/11/2011	Depositional Plain
G00514	447050	7445250	53K	22/11/2011	Depositional Plain
G00515	447050	7445050	53K	22/11/2011	Depositional Plain
G00516	446850	7445250	53K	22/11/2011	Depositional Plain
G00517	447050	7444850	53K	22/11/2011	Depositional Plain
G00518	447450	7444650	53K	22/11/2011	Depositional Plain
G00519	447050	7444650	53K	22/11/2011	Depositional Plain
G00520	447450	7444450	53K	22/11/2011	Depositional Plain
G00521	446850	7444850	53K	22/11/2011	Depositional Plain
G00522	447450	7444250	53K	22/11/2011	Depositional Plain
G00523	446860	7445040	53K	22/11/2011	Depositional Plain
G00524	448050	7443850	53K	22/11/2011	Depositional Plain
G00525	447650	7444650	53K	22/11/2011	Depositional Plain
G00526	448054	7443766	53K	22/11/2011	Depositional Plain
G00527	447650	7444450	53K	22/11/2011	Depositional Plain
G00528	448050	7444050	53K	22/11/2011	Depositional Plain
G00529	447650	7444250	53K	22/11/2011	Depositional Plain
G00530	448067	7444250	53K	22/11/2011	Depositional Plain
G00531	447650	7444050	53K	22/11/2011	Depositional Plain
G00532	448068	7444450	53K	22/11/2011	Depositional Plain
G00533	447850	7443850	53K	22/11/2011	Depositional Plain
G00535	447850	7444049	53K	22/11/2011	Depositional Plain
G00537	447850	7444250	53K	22/11/2011	Depositional Plain

APPENDIX 3

Alice Springs EL24817 Soil Samples Trial Lab Results

Alice Springs EL24817 Soil Samples Trail Lab Results

PH12017375 - Preliminary
CLIENT : "GENERESO - Genesis Resources Pty Ltd"
# of SAMPLES : 25
DATE RECEIVED : 2012-01-31 DATE FINALIZED :
PROJECT : " "
CERTIFICATE COMMENTS : ""
PO NUMBER : "0009"

Scheme	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
SAMPLE	Ag	As	Au	Ba	Be	Bi	Br	Ca	Cd	Ce	Co	Cr	Cs
DESCRIPTION	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb
G00389 +2mm	1.4	<2	0.02	1130	<0.2	<3	<0.05	229	<1	24.2	21.3	1	0.2
G00389 -2mm +425u	1.4	<2	0.1	1500	<0.2	<3	<0.05	249	<1	22.2	33.9	2	0.4
G00389 -425u +180u	2.2	<2	0.1	2520	<0.2	<3	<0.05	363	<1	15.6	43.4	2	0.6
G00389 -180u + 75u	3.4	<2	0.3	2600	<0.2	<3	0.06	417	<1	9.9	43.8	1	0.5
G00389 -75u	8.5	<2	0.85	3690	<0.2	<3	0.08	634	1	6.1	64.7	1	0.6
G00390 +2mm	1.9	<2	0.07	1260	<0.2	<3	<0.05	373	1	81.4	196.5	2	0.4
G00390 -2mm +425u	1.7	2	0.14	1270	0.2	<3	0.05	411	1	72.5	203	2	0.3
G00390 -425u +180u	4.7	4	0.11	2900	<0.2	<3	0.1	>1000	4	29.4	404	2	0.4
G00390 -180u + 75u	5	<2	0.17	2420	<0.2	<3	0.08	826	4	35.6	427	2	0.4
G00390 -75u	6.6	<2	0.16	2720	<0.2	<3	0.1	>1000	4	25.4	466	1	0.4
G00391 +2mm	4.2	<2	0.13	220	0.2	<3	0.1	236	1	70.9	190	4	0.8
G00391 -2mm +425u	6.7	<2	0.1	300	<0.2	<3	0.22	439	3	41.6	387	6	0.9
G00391 -425u +180u	8.8	3	0.22	450	<0.2	<3	0.28	550	4	40.6	638	5	0.9
G00391 -180u + 75u	10.8	5	0.23	370	<0.2	<3	0.31	547	3	35.4	592	4	0.9
G00391 -75u	13.5	6	0.48	710	<0.2	<3	0.44	886	5	34.9	1005	5	0.9
G00392 +2mm	2.5	3	0.07	1400	<0.2	<3	0.05	263	<1	22.6	131	1	0.1
G00392 -2mm +425u	4.7	2	0.23	1570	<0.2	<3	0.06	356	<1	17.7	132.5	1	0.1
G00392 -425u +180u	9.7	2	0.31	2590	<0.2	<3	0.08	607	<1	11.2	194.5	1	0.1
G00392 -180u + 75u	13.1	4	0.55	2570	<0.2	<3	0.1	551	<1	10.2	248	1	0.1
G00392 -75u	25.7	3	1.19	3640	<0.2	<3	0.19	919	<1	9.1	518	1	0.1
G00399 +2mm	1.6	4	0.1	1240	0.6	<3	0.1	513	2	60.5	373	6	1.1
G00399 -2mm +425u	3.3	<2	0.15	1530	0.2	<3	0.17	755	5	36.5	654	3	1.3
G00399 -425u +180u	3.4	2	0.13	1720	0.2	<3	0.12	706	5	48.8	794	2	1.3
G00399 -180u + 75u	4.2	3	0.16	2010	<0.2	<3	0.13	824	5	37	765	2	1.3
G00399 -75u	5.2	4	0.17	2340	<0.2	<3	0.14	915	6	45.4	956	2	1.3

Alice Springs EL24817 Soil Samples Trail Lab Results

PH12017375 - Prelimina
CLIENT : "GENERESO - G
# of SAMPLES : 25
DATE RECEIVED : 2012-C
PROJECT : " "
CERTIFICATE COMMENT
PO NUMBER : "0009"

Scheme	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
SAMPLE	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Hg	Ho	I	In
DESCRIPTION	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb
G00389 +2mm	237	10.2	6.3	5.9	2.3	24.7	14.8	0.2	<0.5	0.2	2.9	0.02	<0.1
G00389 -2mm +425u	231	6.4	3.5	4.2	3	37.9	10.5	0.1	<0.5	0.1	1.7	0.02	<0.1
G00389 -425u +180u	404	5.9	3.1	4.3	3.7	54.5	10.7	0.1	<0.5	0.1	1.6	0.02	<0.1
G00389 -180u + 75u	630	5.5	3	4.1	4.1	64.3	9.7	<0.1	<0.5	0.2	1.5	0.02	<0.1
G00389 -75u	1200	4.5	2.4	3.8	5.3	80.1	8.5	0.1	<0.5	0.2	1.2	0.04	<0.1
G00390 +2mm	422	25.8	13.2	16.4	4	29.3	44.6	0.4	<0.5	0.2	7	0.02	<0.1
G00390 -2mm +425u	527	20.6	10.9	12.7	4.8	30.2	35.8	0.3	<0.5	0.3	5.8	0.02	<0.1
G00390 -425u +180u	1370	28.3	14.1	16.2	9.4	67.1	46.3	0.2	<0.5	0.5	7.8	0.04	<0.1
G00390 -180u + 75u	1360	28.2	14.2	16.4	7.8	54.9	48.1	0.3	<0.5	0.4	7.6	0.03	<0.1
G00390 -75u	1660	22.7	11.4	13.1	9.3	62.9	37.1	0.2	<0.5	0.4	6.4	0.04	<0.1
G00391 +2mm	1980	16.6	9.6	12.6	3.8	5.1	30.1	0.4	<0.5	0.5	4.8	0.03	<0.1
G00391 -2mm +425u	3130	14.6	8	10	6.1	7.7	24.8	0.5	<0.5	0.7	4.1	0.03	<0.1
G00391 -425u +180u	5070	17.4	9.5	11.7	6.9	10.3	29.4	0.5	<0.5	0.7	4.9	0.05	<0.1
G00391 -180u + 75u	4970	17.4	9.6	10.9	6.4	9	27.8	0.5	<0.5	0.8	4.9	0.05	<0.1
G00391 -75u	5860	17.6	10.2	10.2	8.7	15.1	26.5	0.5	<0.5	0.8	5	0.07	<0.1
G00392 +2mm	774	17.1	10.6	9.3	3.1	33	25.9	0.2	<0.5	0.4	5	0.05	<0.1
G00392 -2mm +425u	998	16.7	9.8	10	3.4	33	29	0.2	<0.5	0.8	4.9	0.07	<0.1
G00392 -425u +180u	2130	20.4	11.8	13	5.3	52.3	37.4	0.3	<0.5	1	5.9	0.13	<0.1
G00392 -180u + 75u	2590	27.3	15.9	15.8	5.6	59.1	46.5	0.4	<0.5	1.1	8.2	0.14	<0.1
G00392 -75u	4560	34.6	21.8	18.3	8.3	80.1	54	0.5	<0.5	1.5	10.6	0.23	<0.1
G00399 +2mm	1140	18.7	10.7	12.4	7.1	30.2	32.6	0.3	<0.5	0.3	5.3	0.03	<0.1
G00399 -2mm +425u	1630	17.7	9.6	11.7	7.1	34.4	31.6	0.3	<0.5	0.5	5	0.04	<0.1
G00399 -425u +180u	2030	25.7	13.6	17	7.3	38.1	46.1	0.4	<0.5	0.5	7.1	0.04	<0.1
G00399 -180u + 75u	1970	23.4	13.6	13.7	7.9	46.5	37.4	0.4	<0.5	0.6	7	0.04	<0.1
G00399 -75u	2390	22.6	12.3	14.9	8.5	48.1	39.1	0.4	<0.5	0.6	6.6	0.05	<0.1

Alice Springs EL24817 Soil Samples Trail Lab Results

PH12017375 - Prelimina
CLIENT : "GENERESO - G
# of SAMPLES : 25
DATE RECEIVED : 2012-C
PROJECT : " "
CERTIFICATE COMMENT
PO NUMBER : "0009"

Scheme	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
SAMPLE	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pb 206	Pb 207
DESCRIPTION	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb
G00389 +2mm	25.1	2.4	0.6	37.7	1.25	<0.5	0.1	73.7	36	12	3	3
G00389 -2mm +425u	17.7	1.1	0.3	46.3	1.82	<0.5	0.2	49.6	41	29	7	6
G00389 -425u +180u	14.5	1.9	0.3	71.5	1.79	<0.5	0.1	42.1	77	19	5	4
G00389 -180u + 75u	10.9	1	0.3	81.5	1.42	0.8	0.1	35.3	121	19	5	4
G00389 -75u	8.1	1.1	0.2	126.5	1.32	2	0.1	28	255	34	8	7
G00390 +2mm	65.3	0.2	0.9	15.15	5.72	2.1	0.1	174	126	10	2	2
G00390 -2mm +425u	54.8	0.4	0.8	16.55	5.54	2.3	0.1	135.5	158	9	2	2
G00390 -425u +180u	28.3	0.2	1	44.6	5.23	5.2	0.1	98.3	441	13	3	3
G00390 -180u + 75u	31.6	0.2	1	35.6	5.62	4.8	0.1	108.5	420	13	3	3
G00390 -75u	27.2	0.2	0.9	49.7	4.26	5	0.1	90.7	517	15	4	3
G00391 +2mm	52.2	0.6	0.9	23	12.3	16.7	0.1	143.5	201	8	2	2
G00391 -2mm +425u	29.2	1	0.8	49.8	18.45	39	0.2	83	424	6	1	1
G00391 -425u +180u	30.8	0.6	0.8	70.7	23.3	39.8	0.1	86.4	723	7	2	2
G00391 -180u + 75u	27.7	0.6	0.9	67.1	20.4	40.8	0.1	84.6	680	9	2	2
G00391 -75u	23.6	0.6	1	120.5	23	48.1	<0.1	71	1070	24	6	5
G00392 +2mm	39.4	<0.2	1	33.3	3.44	5.6	<0.1	102	276	12	3	3
G00392 -2mm +425u	44	0.4	0.9	42.3	2.79	4.9	<0.1	110	283	8	2	2
G00392 -425u +180u	37.8	0.4	1.1	71.6	2.3	5.3	<0.1	118	439	8	2	2
G00392 -180u + 75u	35.3	0.8	1.5	70.3	2.04	4.5	0.1	125.5	538	10	2	2
G00392 -75u	30.7	0.3	2.2	109.5	2.15	7	0.1	124	1010	26	6	6
G00399 +2mm	62.1	0.6	0.9	38.9	5.57	4.8	0.2	132.5	352	8	2	2
G00399 -2mm +425u	39.3	0.4	0.8	61.4	6.19	8.3	0.1	101	617	9	2	2
G00399 -425u +180u	53.9	0.4	1.1	57.6	7.61	5.5	0.1	145.5	794	15	4	3
G00399 -180u + 75u	41	0.4	1.2	71.6	6.04	5.2	0.1	111.5	787	28	7	6
G00399 -75u	49.5	0.3	1.1	80	7.09	5.1	0.1	125	940	37	9	8

Alice Springs EL24817 Soil Samples Trail Lab Results

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Scheme	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
SAMPLE	Pb 208	Pd	Pr	Pt	Rb	Re	Sb	Sc	Se	Sm	Sn	Sr
DESCRIPTION	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
G00389 +2mm	7	0.5	11.4	<0.1	42	<0.1	<0.5	4	<2	14.5	<0.2	1300
G00389 -2mm +425u	15	0.4	7.2	<0.1	69.4	<0.1	<0.5	5	<2	9.8	<0.2	1890
G00389 -425u +180u	10	0.3	6.2	<0.1	85.5	<0.1	0.6	4	<2	9.5	0.2	2420
G00389 -180u + 75u	10	0.4	4.6	<0.1	111.5	<0.1	1.1	4	2	8.2	<0.2	3440
G00389 -75u	18	0.3	3.5	<0.1	124.5	<0.1	2.8	3	4	7.1	<0.2	4570
G00390 +2mm	5	1.5	23.8	<0.1	72.5	<0.1	<0.5	5	3	37.2	<0.2	729
G00390 -2mm +425u	5	1.2	18.8	<0.1	81.4	<0.1	<0.5	5	6	28.7	<0.2	900
G00390 -425u +180u	7	1.8	11.2	<0.1	147	<0.1	<0.5	5	7	30.4	<0.2	2610
G00390 -180u + 75u	7	1.9	12.3	<0.1	143.5	<0.1	<0.5	5	3	32	<0.2	2060
G00390 -75u	8	1.8	10.5	<0.1	141.5	<0.1	<0.5	5	11	25.9	<0.2	2510
G00391 +2mm	4	1.2	20.8	<0.1	66.4	<0.1	<0.5	7	7	28	<0.2	779
G00391 -2mm +425u	3	1.1	11.3	<0.1	125	<0.1	<0.5	9	7	20	<0.2	1810
G00391 -425u +180u	4	1.3	11.3	<0.1	129.5	<0.1	<0.5	7	9	22.3	1.1	2160
G00391 -180u + 75u	5	1.3	10.8	<0.1	150	<0.1	<0.5	7	16	21.4	<0.2	2490
G00391 -75u	12	1.2	9.2	<0.1	150.5	<0.1	<0.5	6	18	18.9	<0.2	3620
G00392 +2mm	6	0.9	14.3	<0.1	28.5	<0.1	<0.5	7	3	21.6	<0.2	2030
G00392 -2mm +425u	4	1.3	15.4	<0.1	32.4	<0.1	<0.5	7	4	24.1	<0.2	2350
G00392 -425u +180u	4	1.7	14.5	<0.1	45.1	<0.1	<0.5	7	6	28.7	<0.2	3760
G00392 -180u + 75u	5	1.8	14.4	<0.1	47	<0.1	<0.5	7	7	33.2	<0.2	4050
G00392 -75u	14	2.3	13.4	<0.1	62.2	<0.1	<0.5	7	11	35.3	<0.2	6510
G00399 +2mm	4	1.5	18.3	0.1	136.5	<0.1	<0.5	10	9	27	<0.2	3030
G00399 -2mm +425u	5	1.5	12.6	<0.1	188	<0.1	<0.5	10	9	24.7	<0.2	4650
G00399 -425u +180u	8	1.7	18.5	<0.1	185	<0.1	<0.5	8	7	35.6	<0.2	4090
G00399 -180u + 75u	15	1.7	13.6	<0.1	232	<0.1	<0.5	8	12	27.2	<0.2	5810
G00399 -75u	20	1.6	16.2	<0.1	208	<0.1	<0.5	8	13	30.4	<0.2	5460

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Scheme	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23	ME-MS23
SAMPLE	Ta	Tb	Te	Th	Ti	Tl	Tm	U	W	Y	Yb	Zn
DESCRIPTION	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
G00389 +2mm	<1	3.3	<1	3.27	24	<0.5	0.8	0.4	<1	52	4.3	30
G00389 -2mm +425u	<1	2.2	<1	1.41	54	<0.5	0.4	0.4	<1	36.9	2.2	70
G00389 -425u +180u	<1	2.1	<1	0.84	39	<0.5	0.3	0.2	<1	28.5	2	110
G00389 -180u + 75u	<1	1.9	<1	0.66	23	<0.5	0.3	0.2	<1	31.2	2	140
G00389 -75u	<1	1.6	<1	0.41	18	<0.5	0.2	0.2	<1	26.7	1.5	220
G00390 +2mm	<1	8.9	<1	10.3	36	<0.5	1.3	0.3	<1	127	6.5	80
G00390 -2mm +425u	<1	7.1	<1	8.83	63	<0.5	1.1	0.3	<1	112	5.7	80
G00390 -425u +180u	<1	9.4	<1	3.62	33	<0.5	1.4	0.6	1	162	7	40
G00390 -180u + 75u	<1	9.6	<1	4.5	48	<0.5	1.4	0.5	1	159.5	6.8	70
G00390 -75u	<1	7.7	<1	3.33	35	<0.5	1.2	0.5	<1	136.5	5.8	60
G00391 +2mm	<1	6.1	<1	17.75	54	<0.5	1.1	1.9	<1	84	6	40
G00391 -2mm +425u	<1	5	<1	10.75	79	<0.5	0.9	1.4	1	87.8	4.9	30
G00391 -425u +180u	<1	6	<1	9.76	74	<0.5	1	1.7	1	91.5	5.4	30
G00391 -180u + 75u	<1	5.8	<1	11.05	52	<0.5	1	2	<1	100	5.8	40
G00391 -75u	<1	5.7	<1	9.51	20	<0.5	1.2	3.5	<1	90.6	6	40
G00392 +2mm	<1	5.6	<1	1.54	20	<0.5	1.2	0.7	1	106	6.4	10
G00392 -2mm +425u	<1	5.7	<1	1.82	31	<0.5	1.1	0.9	1	114	5.7	10
G00392 -425u +180u	<1	7.1	<1	1.03	20	<0.5	1.3	1	1	132	6.6	20
G00392 -180u + 75u	<1	9.3	<1	1.08	33	<0.5	1.8	1	1	157.5	8.9	20
G00392 -75u	<1	11.1	<1	0.72	32	<0.5	2.5	1	1	208	12.8	20
G00399 +2mm	<1	6.4	<1	16.15	86	<0.5	1.2	2.1	<1	92.6	6.1	30
G00399 -2mm +425u	<1	6.2	<1	7.96	57	<0.5	1	1.7	<1	106	5.2	40
G00399 -425u +180u	<1	9.1	<1	10.05	41	<0.5	1.4	2.6	<1	122	7.2	40
G00399 -180u + 75u	<1	7.7	<1	8.12	40	<0.5	1.5	2.3	<1	137	7.6	60
G00399 -75u	<1	7.7	<1	8.23	45	<0.5	1.3	2.7	<1	115.5	6.9	60

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Scheme	ME-MS23	pH-MS23
SAMPLE	Zr	Final pH
DESCRIPTION	ppb	Unity
G00389 +2mm	0.5	8.7
G00389 -2mm +425u	0.9	8.7
G00389 -425u +180u	0.6	8.7
G00389 -180u + 75u	0.7	8.7
G00389 -75u	1.2	8.7
G00390 +2mm	1.6	8.7
G00390 -2mm +425u	1.8	8.7
G00390 -425u +180u	1	8.7
G00390 -180u + 75u	1.4	8.7
G00390 -75u	1.1	8.5
G00391 +2mm	3.5	8.7
G00391 -2mm +425u	4.3	8.5
G00391 -425u +180u	3	8.5
G00391 -180u + 75u	3.9	8.5
G00391 -75u	3	8.3
G00392 +2mm	0.5	8.7
G00392 -2mm +425u	0.4	8.7
G00392 -425u +180u	0.3	8.7
G00392 -180u + 75u	0.4	8.7
G00392 -75u	0.3	8.5
G00399 +2mm	7.8	8.7
G00399 -2mm +425u	4.1	8.3
G00399 -425u +180u	3.7	8.5
G00399 -180u + 75u	3.4	8.3
G00399 -75u	3.1	8.3