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No. 9929

EL 2948 / 3831

POVERTY LAKE

**ANNUAL REPORTS AND FINAL REPORT
TO LICENCE EXPIRY/SURRENDER,
FOR THE PERIOD 17/5/2002 TO 11/7/2012**

Submitted by
PlatSearch NL and Newcrest Mining Ltd
2012

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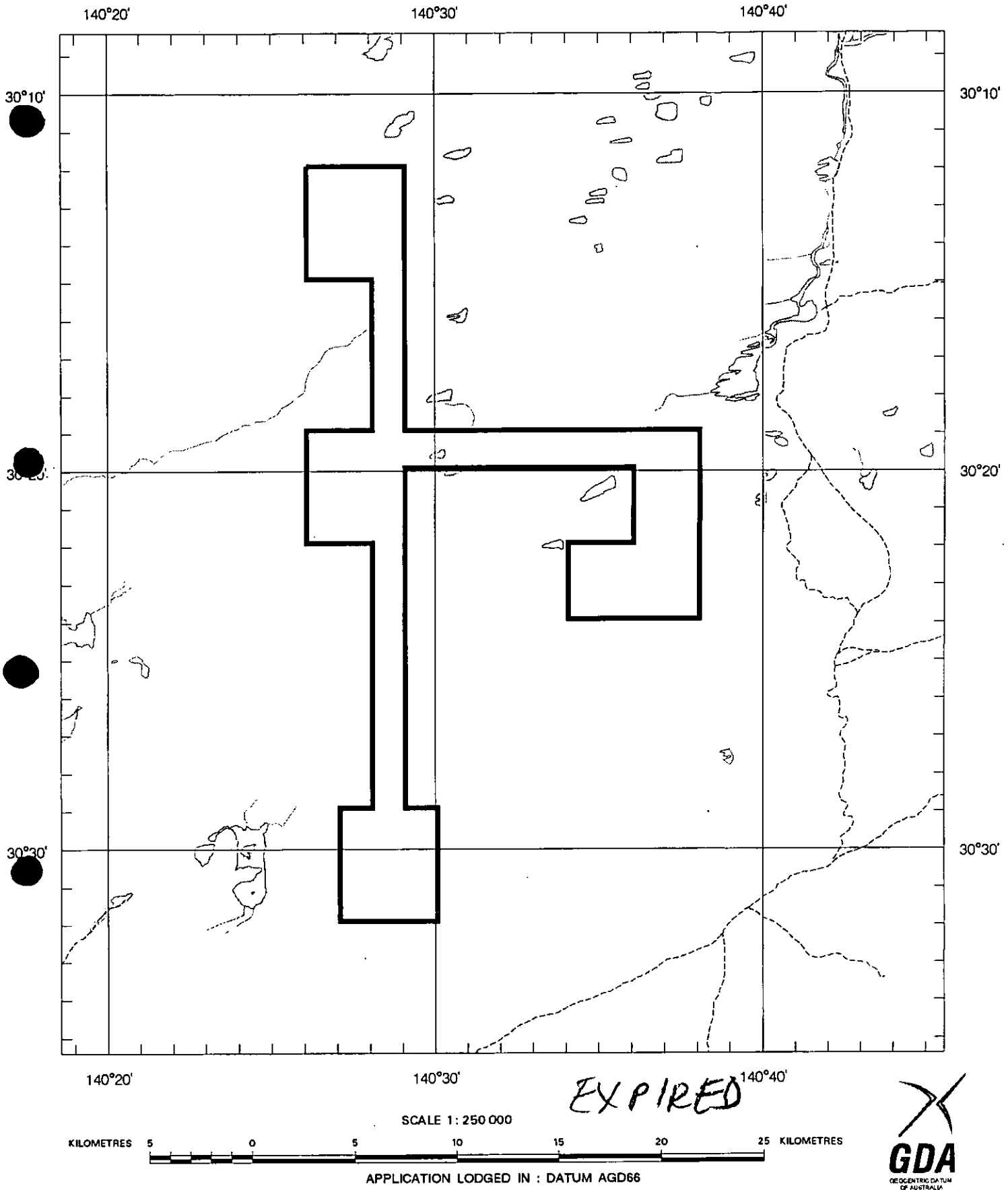
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Resources and Energy Group
7th Floor
101 Grenfell Street, Adelaide 5000

Telephone: (08) 8463 3000
Facsimile: (08) 8204 1880



Government of South Australia
Department of State Development

SCHEDULE A



APPLICANT : PLATSEARCH NL, ALLENDER J F, HOSKING A J

FILE REF : 198/01

TYPE : MINERAL ONLY

AREA : 175 km² (approx.)

1:250000 MAPSHEETS : FROME

LOCALITY : LAKE BUMBARLOW AREA - Approximately 190 km east of Leigh Creek

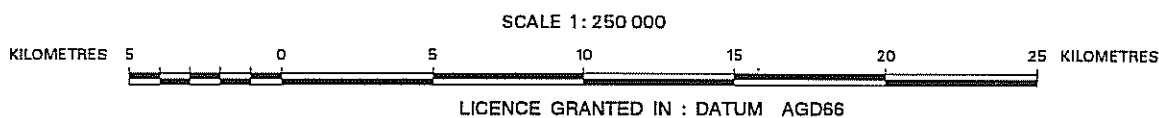
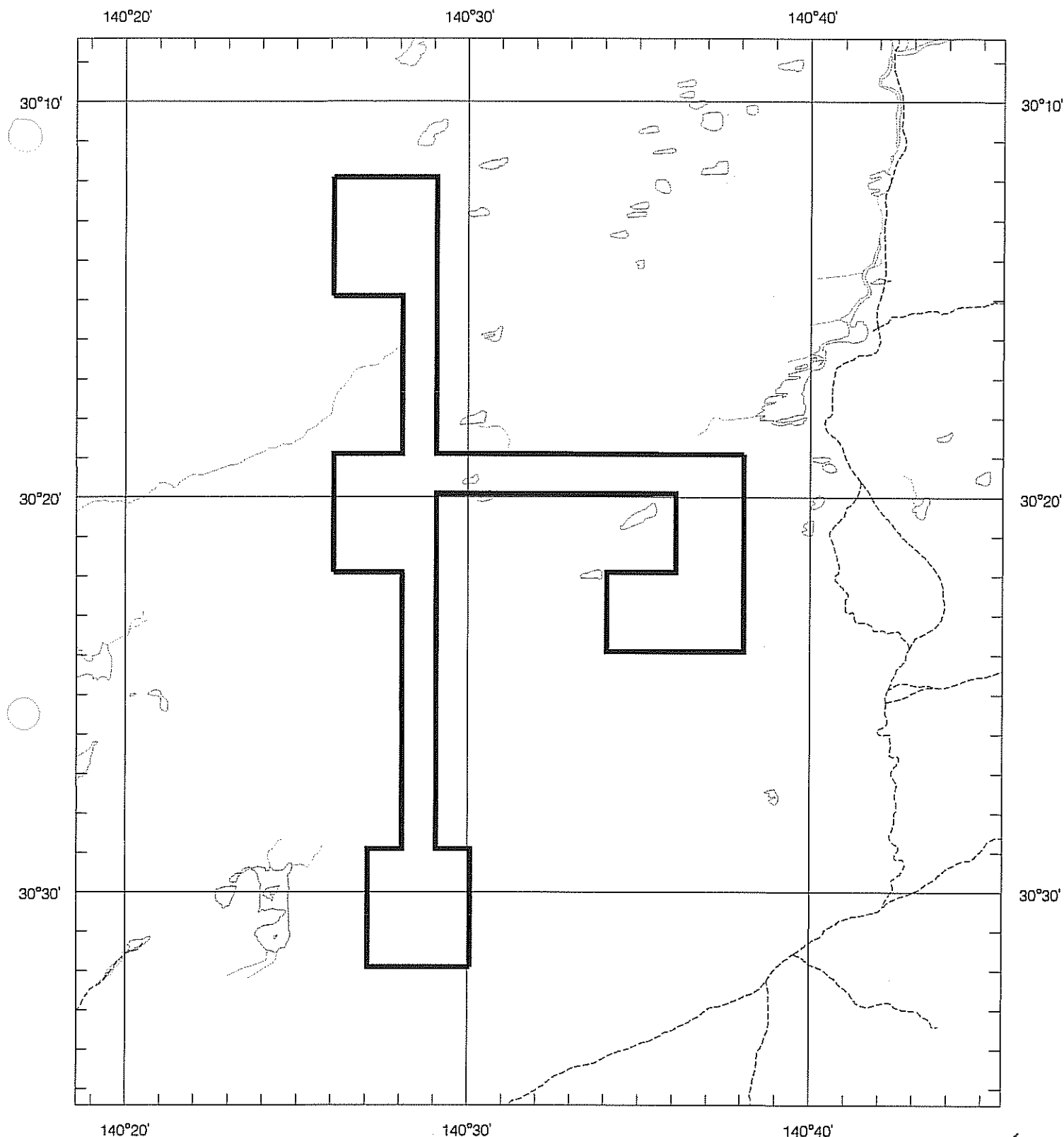
DATE GRANTED : 17 May 2002

DATE EXPIRED : 16 May 2003

EL No : 2948

*2004
2005 2006 2007*

SCHEDULE A



APPLICANT : **PLATSEARCH NL, ALLENDER J F, HOSKING A J**

FILE REF : **89/07**

TYPE : **MINERAL ONLY**

AREA : **175 km² (approx.)**

1:250000 MAPSHEETS : **FROME**

LOCALITY : **LAKE BUMBARLOW AREA - Approximately 190 km east of Leigh Creek**

DATE GRANTED : **12-Jul-2007**

DATE EXPIRED : **11-Jul-2008**

EL NO : **3831**

**Annual Report for
Exploration Licence 2948 “Poverty Lake”
for the period 17 May 2002 to 16 May 2003**

Volume 1 of 1

Map Sheets	1:250,000	Frome SH 54 10
	1:100,000	Cootabarlow 6937
	1:100,000	Coonee 7037
	1:100,000	Coonarbine 6936
	1:100,000	Thurlooka 7036

**by
W L Corbett
June 2003**

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- 6 Aeromagnetic image with interpretation of magnetics showing Anomaly A location in EL 2948
- 7 High-pass filtered regional aeromagnetic image showing anomaly location

Distribution:

PIRSA
PlatSearch NL
JF Allender

Summary

Exploration Licence 2948, granted to PlatSearch NL, J Allender and A Hosking in May 2002, covers an area of approximately 175 square kilometres and is located centrally in the Curnamona Craton, approximately 90 kilometres east from Arkaroola in the Frome 1:250,000 sheet area (Figure 1). This first annual report describes the exploration philosophy planned for the licence. The main exploration target in this area is iron oxide associated copper-gold deposits (Olympic Dam, Wirrda Well, Oak Dam, Emmie Bluff, Ernest Henry, Selwyn, Eloise, Trough Tank/Osborne, Moonta/Wallaroo, Tennant Creek and Prominent Hill style targets). The licence area covers three discrete magnetic anomalies located to the north-east of and similar to the Dolores East anomaly (in the nearby EL 2579) where drilling intersected a large volcanic breccia system containing abundant haematite, magnetite and K-feldspar alteration with geochemical results averaging 598ppm copper over 192 metres.

No fieldwork has been carried out during the reporting period however, ground magnetic follow-up and a possible gravity survey to identify drilling targets is planned.

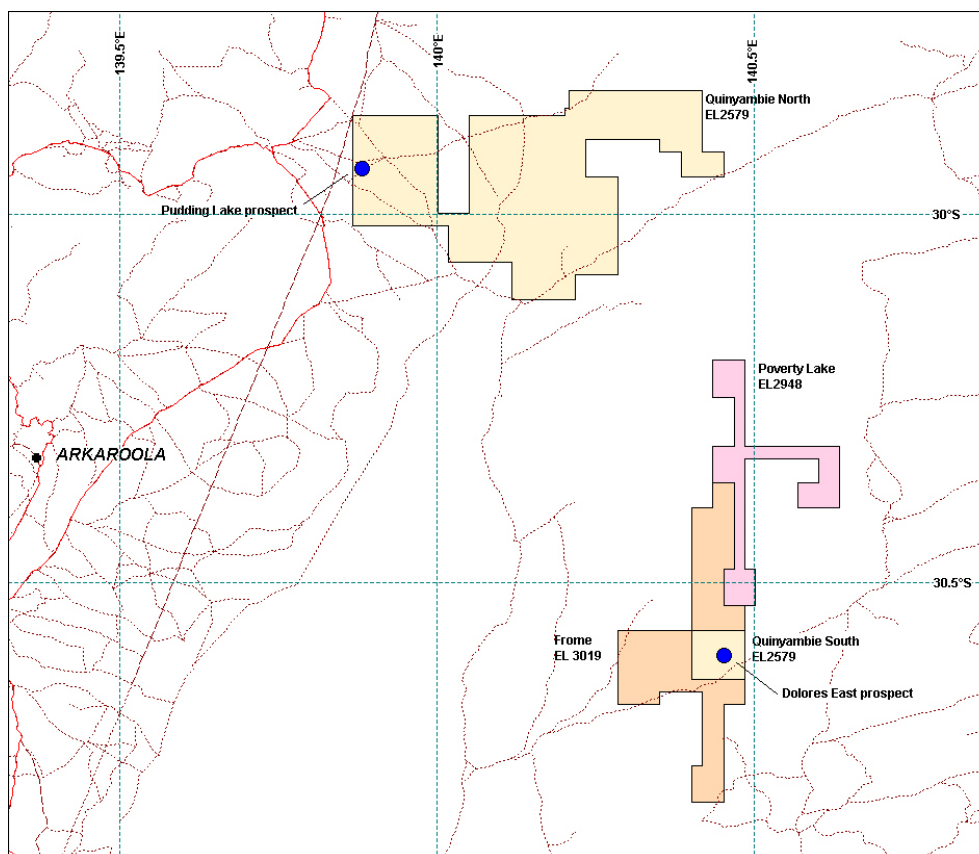


Figure 1 Location of EL 2948 Poverty Lake

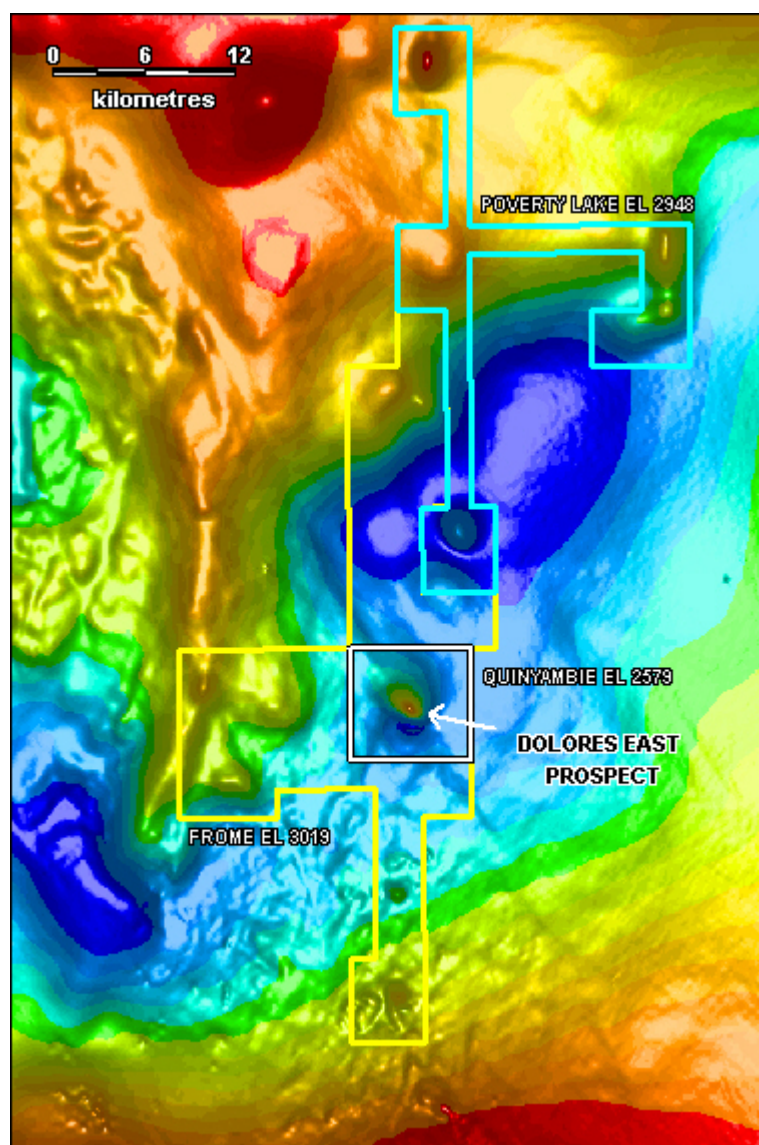
Bibliographic Data

Report Title	Annual Report for Exploration Licence 2948 "Poverty Lake" for the period 17 May 2002 to 16 May 2003
Project Name	Poverty Lake
Tenement Number	EL 2948
Tenement Holder	PlatSearch NL (50%), James F Allender (25%) Anthony Hosking (25%)
Operator	PlatSearch NL
Commodities	Copper, gold, uranium, lead, zinc, silver, rare earths
Tectonic Unit	Curnamona Province, Mt Painter Inlier
Stratigraphic Units	
1:250,000 Map Sheet	Frome SH 54 10
1:100,000 Map Sheet	Cootabarlow 6937, Coonee 7037, Coonarbine 6936, Thurlooka 7036
Keywords	Proterozoic,

1 Introduction and exploration concept

EL 2948 lies in the central Curnamona block to the east of Lake Frome. The EL is located east of the Balcanoona-Moolawatana road and is reasonably accessible from unsealed station tracks. The Poverty Lake EL was acquired, along with EL 3019, to cover possible repetitions of the Dolores East (EL 2579) style system.

At the adjoining Dolores East property, a discrete magnetic anomaly is situated on a major north-north-west trending lineament. A single drill test of this magnetic anomaly by the PlatSearch/Inco/Allender joint venture intersected a large, altered volcanic breccia system (possible vent). The volcanic breccia contained abundant haematite, magnetite and K-feldspar alteration and averaged 598ppm copper over 192 metres from the start of the Proterozoic basement at 300m to the end of the hole at 504m. There is a weak gravity anomaly associated with the magnetic anomaly, and a second gravity anomaly to the south which has no associated magnetic anomaly, and no drilling to date.



EL 2948 covers four discrete magnetic anomalies located to the north and north-east of and similar to the Dolores East anomaly (Figure 2). Figure 2 shows a series of weak but discrete magnetic anomalies warranting further examination. The depth to basement appears to be variable (based on only three holes) and not too excessive (165 – 300m).

Previous exploration in the region has been sporadic and limited. A number of shallow holes, which did not penetrate the basement rocks, have been drilled by uranium and mineral sands explorers (Central Pacific Minerals NL, Tricentrol Australia Ltd, Union Corporation, Santos Ltd, Oilmin/Petromin, Afmeco, Minad, WMC, Seltrust and others. An earlier drillhole some 15 kilometres to the south intersected basement at 165 metres. Little detail is known about the geology and structure in this area.

Figure 2 Aeromagnetic image with location of Poverty Lake EL and adjacent properties

2 Tenure

Tenement Details

Exploration Licence 2948 was granted to PlatSearch NL (50%), James F Allender (25%) and Anthony Hosking (25%) for an initial term of one year on 16 May 2002 covering an area of 175 square kilometres. An extension of term for the licence's second year has been approved. PlatSearch NL is the operator.

Native Title

A Native Title Claim by the Kuyani people covers this EL. Access arrangements will be negotiated and site clearances carried out prior to the commencement of field work.

3 Regional Geology

The Curnamona Province is an extensively metasomatised terrain containing hydrothermal iron oxide copper-gold and related deposits. Structural timing criteria and geochronological data suggest that the Curnamona deposits formed at 1630-1600 Ma. They appear to have a close temporal association with I-type granitoids. The majority of deposits are hosted by metamorphosed Palaeoproterozoic supracrustal rocks of varying age, composition and metamorphic grade. Mineralisation was localised by a range of brittle-ductile structures and produced vein, stockwork, breccia and replacement orebodies.

The Curnamona Province comprises the Broken Hill Domain (BHD), Olary Domain (OD), and the Mt. Painter and Mt. Babbage Inliers to the northwest. Most of the known Cu-Au deposits are located in the OD, although numerous copper occurrences have been documented in both the BHD and OD.

The Upper Willyama Supergroup (<1700 Ma to <1640 Ma) is comprised of the Broken Hill Group, the Sundown Group, and Paragon Group in the Broken Hill Domain and the Strathearn Group in the Olary Domain. The Lower Willyama Supergroup (<1720 Ma to 1700 Ma) is comprised of the Thackaringa Group in the Broken Hill Domain and the Curnamona Group in the Olary Domain.

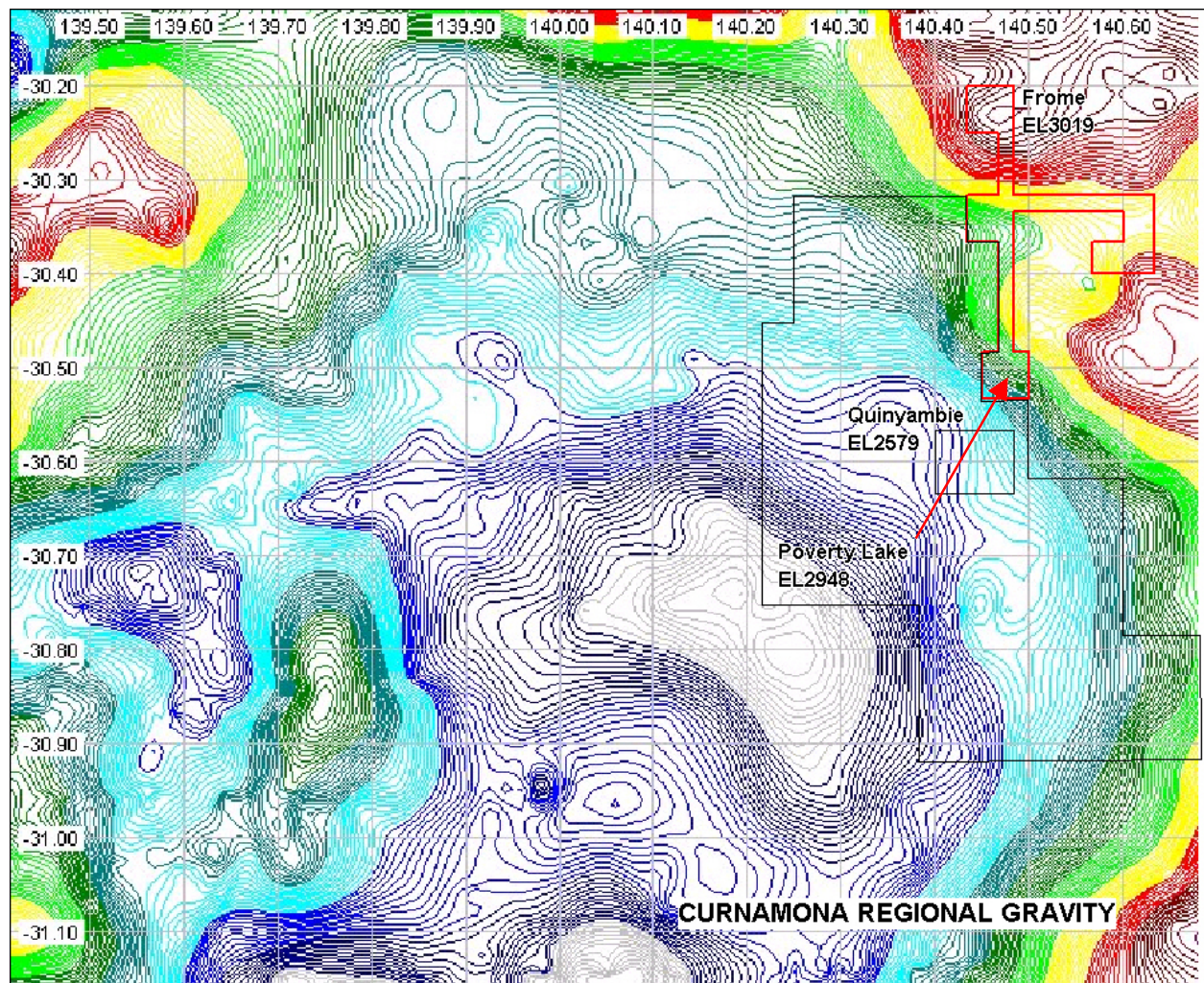


Figure 3 Regional gravity contours

The sequence in the OD is divided into two lithostratigraphic packages, the basal Curnamona Group and the overlying Strathearn Group. The Curnamona Group includes A-type felsic

volcanic rocks and co-magmatic intrusions that were emplaced between ~1715 and 1700 Ma. These Na-rich felsic igneous rocks are associated with albitic psammopelites, massive to laminated albitite, quartzo-feldspathic gneisses, and iron formations. The uppermost Curnamona Group contains calc-silicate±magnetite±hematite-bearing laminated albitite and minor Mn-rich rocks, passing upwards into the Bimba Formation. This thin regional marker is variably represented by marble, calc-silicate rock, (clinopyroxene, garnet, amphibole, epidote), pelitic schist, and gradations into bedded pyritic and pyrrhotitic zones with anomalous Cu, Pb, Zn, As and Co. The Strathearn Group is dominated by pelitic and psammopelitic lithologies, locally containing carbonaceous and aluminosilicate-bearing strata, banded iron formation (BIF) and tourmalinite.

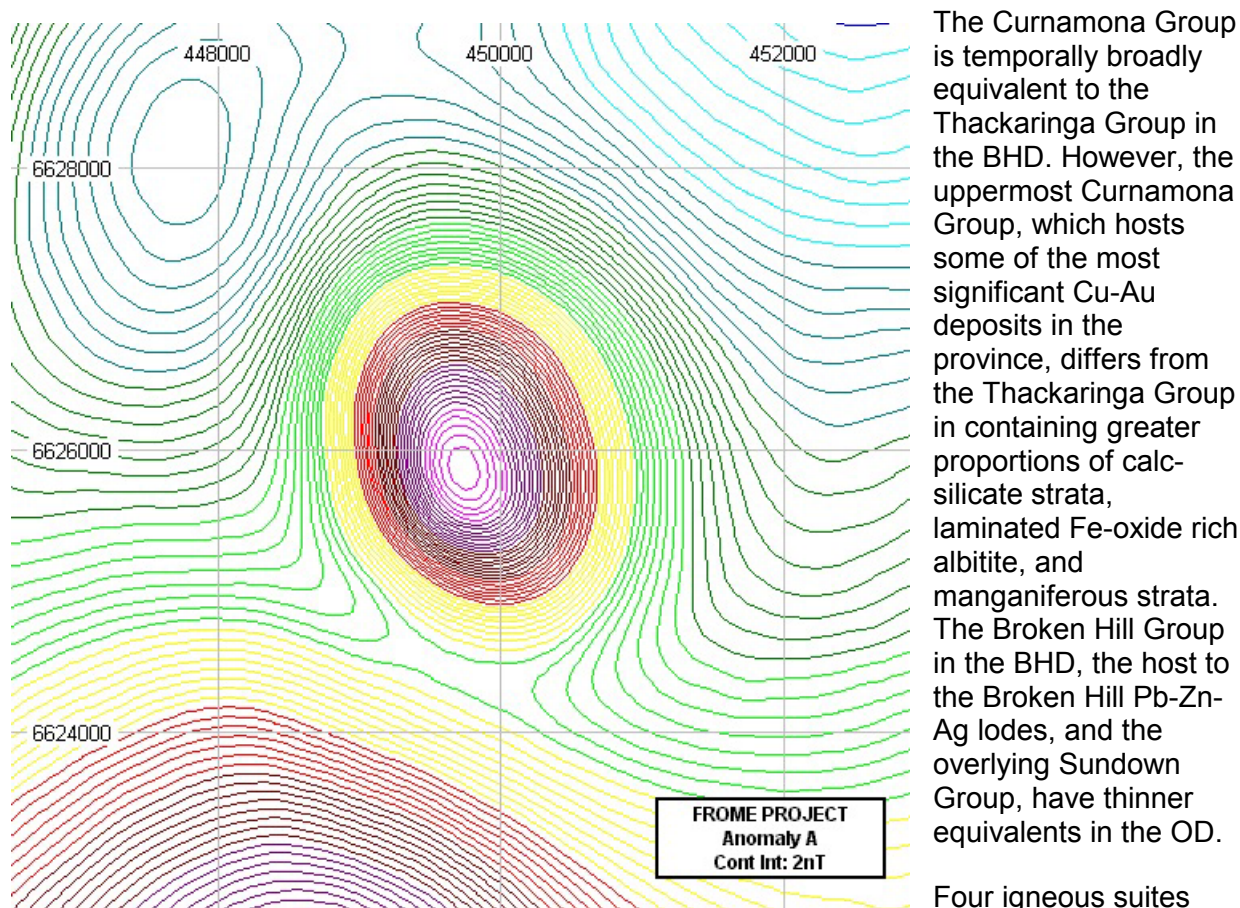


Figure 4 Aeromagnetic contours Anomaly A

two and the fourth have been recognized in the BHD.

A defining characteristic of both the BHD and OD are the exceptionally widespread Na-rich lithologies in particularly the lower parts of the Willyama Supergroup.

Cu-Au-Fe oxide prospects in the Curnamona Province include:

- Copper Blow: best intercept of 10.8 m @ 4% Cu, 0.8 g/t Au
- Kalkaroo: 30 million tonnes @ 0.28% Cu, 0.14 g/t Au
- North Portia: best intercept of 76 m @ 1.1% Cu and 1.2 g/t Au
- Walparuta: best intercept 28 m @ 0.31% Cu and 0.3 g/t Au

- Waukaloo: best intercept 35 m @ 0.3% Cu
- White Dam: best intercept 14 m @ 1.7% Cu, 7.2 g/t Au

The Poverty Lake property, located in the centre of the Curnamona Craton, covers several discrete magnetic anomalies (Figure 2). There is a variable depth of cover over much of the area. Figure 3 shows the regional gravity.

Interpretation of the magnetic anomalies on the property suggests that they are not strong but possibly reflect the presence of large ironstone systems. Potential targets are shown on Figure

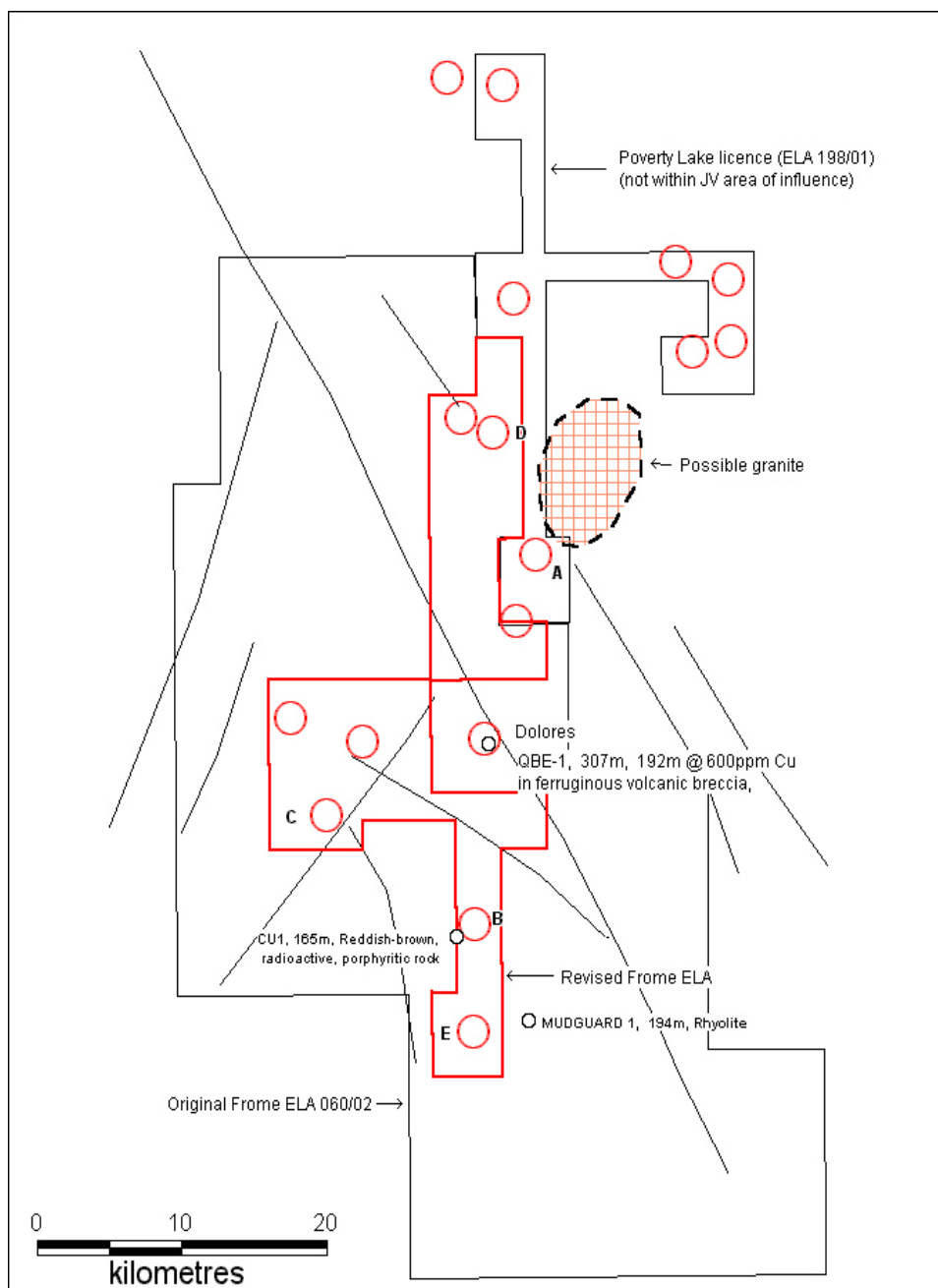


Figure 5 Interpretation of aeromagnetics and location of Anomaly A EL 2948

5 above with aeromagnetic contours of Anomaly A on Figure 4. The targets are along strike from the Mt. Painter area where there are several dozen known minor copper and uranium occurrences; many of these are associated with ferruginous granite breccia systems. Figure 6 shows the aeromagnetic interpretation with an aeromagnetic image as background. Figure 7

uses high-pass filtered aeromagnetics to better define the anomalies and show the location of the granite to the east of the licence.

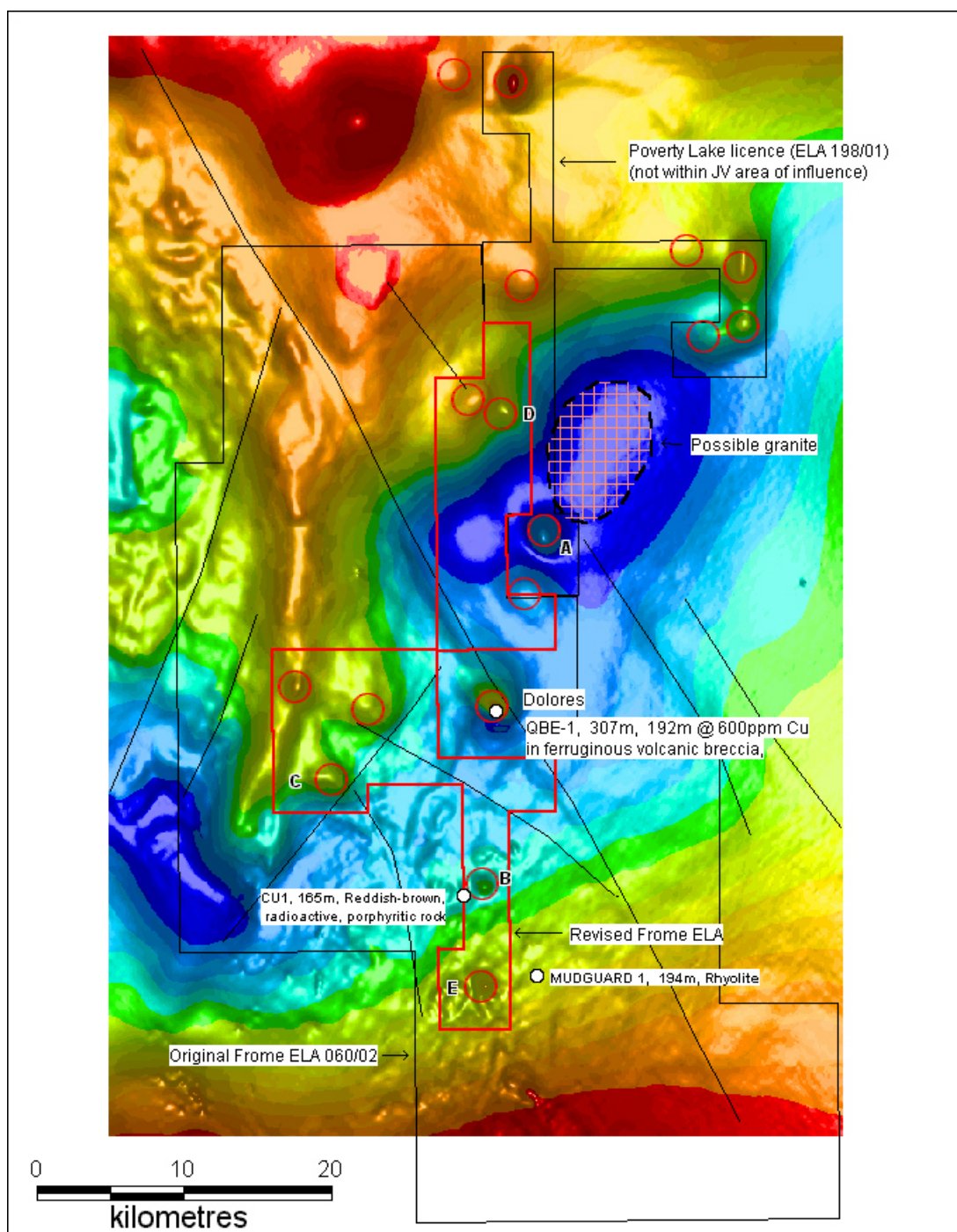


Figure 6 Aeromagnetic image with interpretation of magnetics showing Anomaly A location in EL 2948

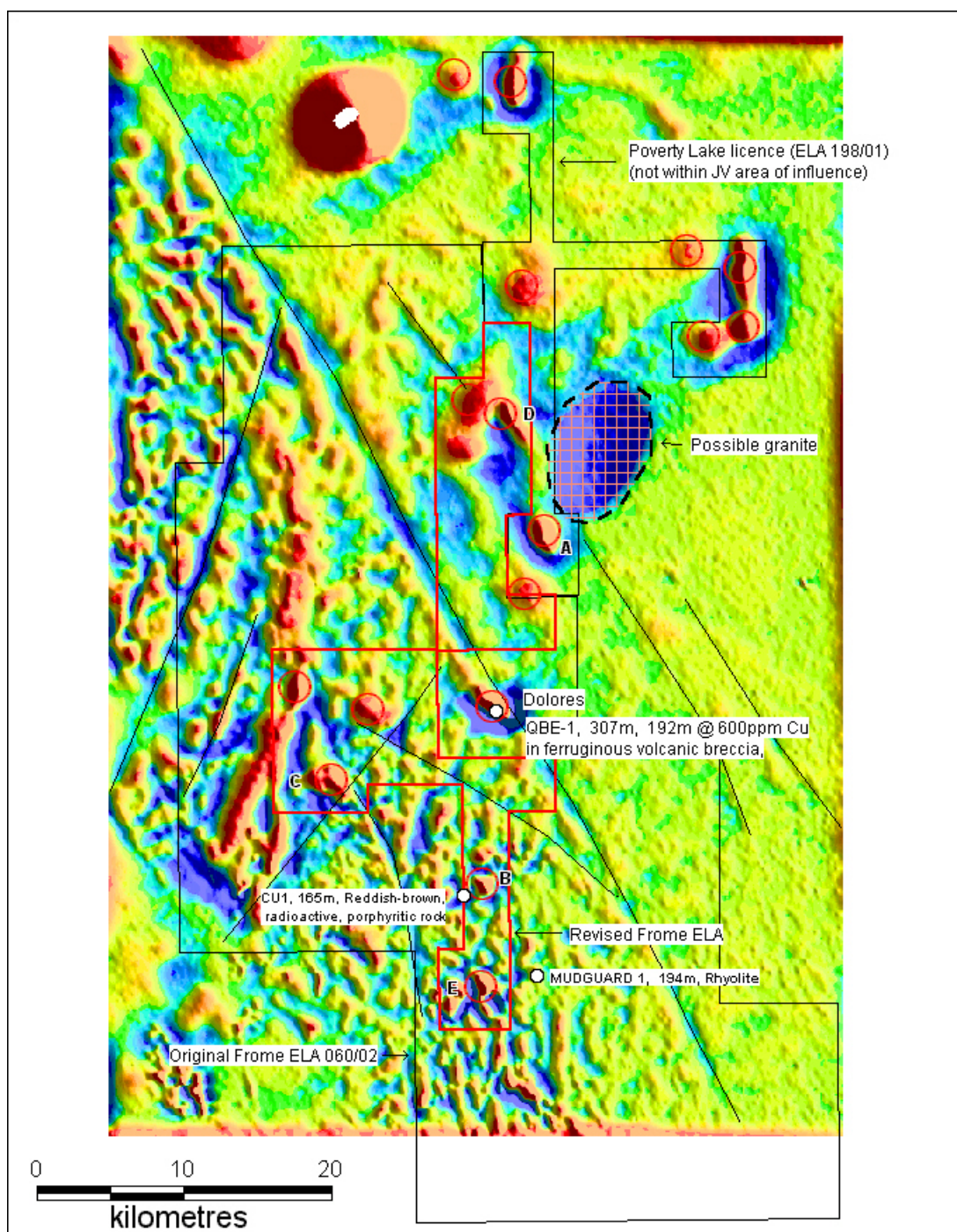


Figure 7 High-pass filtered regional aeromagnetic image showing anomaly location and possible granite to the east of the licence

4 Proposed Work

Ground magnetics, a possible ground gravity survey followed by drilling of any targets generated.

5 Expenditure

Expenditure for the year ended 16 May 2003 is \$3,293 which does not meet the requirement of \$45,000.

Description	\$
Administration	429
Geophysical consultants	1,500
Geological consultants	1,201
Maps, photos, plans etc	163
Total	3,293

**Annual Report for
Exploration Licence 2948 “Poverty Lake”
for the period 17 May 2004 & 16 May 2005**

Volume 1 of 1

Map Sheets	1:250,000	Frome SH 54 10
	1:100,000	Cootabarlow 6937
	1:100,000	Coonee 7037
	1:100,000	Coonarbine 6936
	1:100,000	Thurlooka 7036

by

W L Corbett

July 2005

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- 5 Location of ground magnetic traverses with background of aeromagnetic contours
- 6 Anomaly A Ground TMI Contour
- 7 Modelling of ground magnetic data Anomaly A
- 8 Ground TMI profiles Anomaly A

Appendix

- 1 Ground Magnetic data (*EL2948_2005_A_02_GroundMagnetics.txt*)

Distribution:

PIRSA
PlatSearch NL
Newcrest
JF Allender

Summary

Exploration Licence 2948, granted to PlatSearch NL, J Allender and A Hosking in May 2002, covers an area of approximately 175 square kilometres and is located centrally in the Curnamona Craton, approximately 90 kilometres east from Arkaroola in the Frome 1:250,000 sheet area (Figure 1). This is the third annual report for this licence with the main exploration target being iron oxide-associated, copper-gold deposits (Olympic Dam, Wirrda Well, Oak Dam, Emmie Bluff, Ernest Henry, Selwyn, Eloise, Trough Tank/Osborne, Moonta/Wallaroo, Tennant Creek and Prominent Hill style targets). The licence area covers three discrete magnetic anomalies located to the north-east of, and similar to, the Dolores East anomaly (in the nearby EL 3097) where drilling intersected a large volcanic breccia system containing abundant haematite, magnetite and K-feldspar alteration with geochemical results averaging 598ppm copper over 192 metres.

A joint venture agreement was signed with Newcrest Operations in April this year over the Poverty Lake (EL 2948) and Frome (EL 3019) licences and following Ministerial consent to the agreement Newcrest will manage the exploration. A ground magnetic survey was carried out in the reporting period over three selected magnetic targets (Anomalies A, C and E) in order to determine an estimate of depth to source for these anomalies. PIRSA has completed a gravity survey at two-kilometre spacing in this area and these results will be interpreted to identify further targets or reinforce existing targets. Additional gravity is planned over Anomalies A and G, followed by drilling.

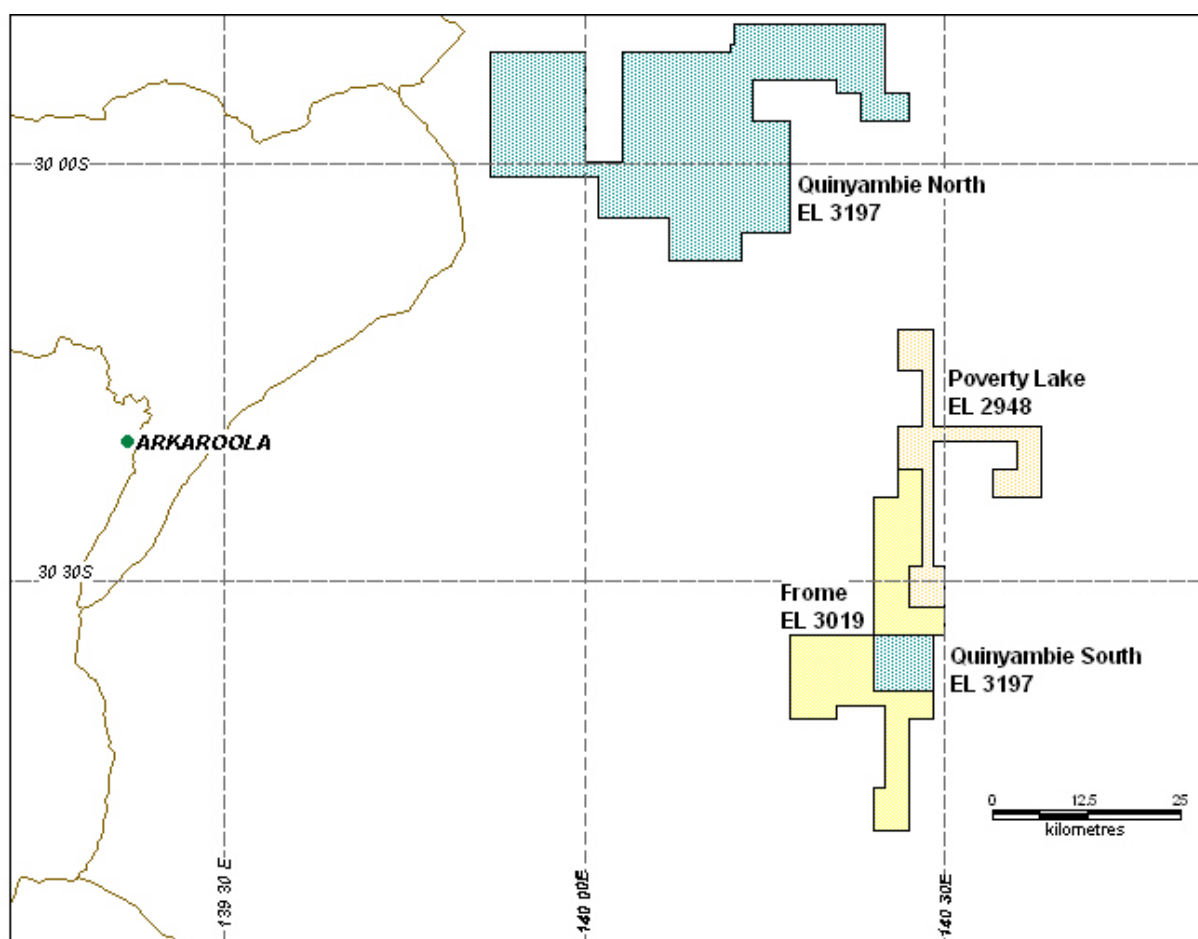


Figure 1 Location of EL 2948 Poverty Lake

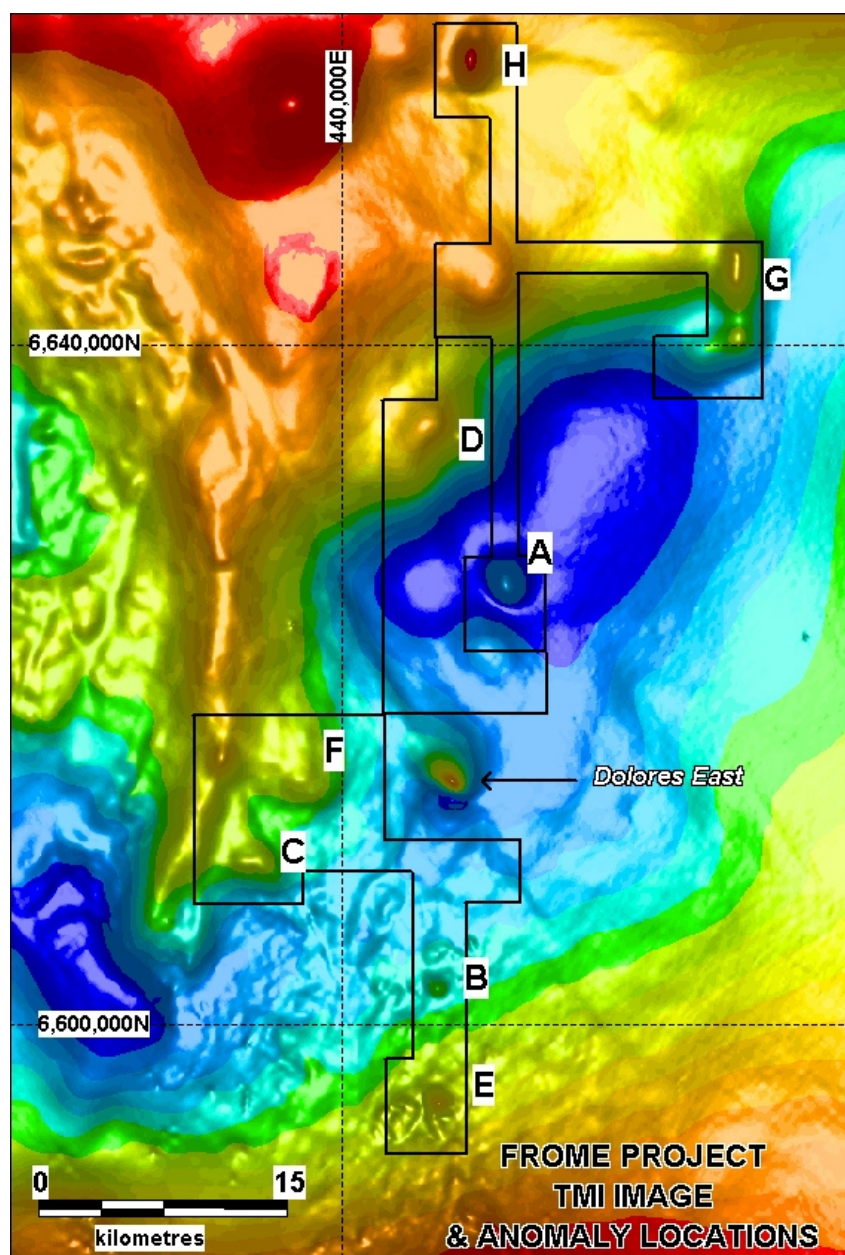
Bibliographic Data

Report Title	Annual Report for Exploration Licence 2948 "Poverty Lake" for the period 17 May 2004 & 16 May 2004
Project Name	Poverty Lake
Tenement Number	EL 2948
Tenement Holder	PlatSearch NL (50%), James F Allender (25%) Anthony Hosking (25%)
Operator	PlatSearch NL
Commodities	Copper, gold, uranium, lead, zinc, silver, rare earths
Tectonic Unit	Curnamona Province, Mt Painter Inlier
Stratigraphic Units	Tertiary Namba Formation, Cretaceous Bulldog/Marree Units and Cadna-owie Formation
1:250,000 Map Sheet	Frome SH 54 10
1:100,000 Map Sheet	Cootabarlow 6937, Coonee 7037, Coonarbine 6936, Thurlooka 7036
Keywords	Proterozoic, ground magnetics, regional gravity

1 Introduction and exploration concept

EL 2948 lies in the central Curnamona block to the east of Lake Frome. The EL is located east of the Balcanoona-Moolawatana road and is reasonably accessible from unsealed station tracks. The Poverty Lake EL was acquired, along with EL 3019, to cover possible repetitions of the Dolores East (EL 2579) style system.

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EL 2948 covers four discrete magnetic anomalies located to the north and north-east of and similar to the Dolores East anomaly. Figure 2 shows a series of weak but discrete magnetic anomalies warranting further examination. The depth to basement appears to be variable (based on only three holes) and not too excessive (165 – 300m).

Previous exploration in the region has been sporadic and limited. A number of shallow holes, which did not penetrate the basement rocks, have been drilled by uranium and mineral sands explorers (Central Pacific Minerals NL, Tricentrol Australia Ltd, Union Corporation, Santos Ltd, Oilmin/Petromin, Afmeco, Minad, WMC, Seltrust and others). An earlier drillhole some 15 kilometres to the south intersected basement at 165 metres. Little detail is known about the geology and structure in this area.

Figure 2 TMI image showing EL and anomaly locations

2 Tenure

Tenement Details

Exploration Licence 2948 was granted to PlatSearch NL (50%), James F Allender (25%) and Anthony Hosking (25%) for an initial term of one year on 16 May 2002 covering an area of 175 square kilometres. An extension of term for the licence's fourth year is pending.

Joint Venture

A joint venture agreement was signed with Newcrest Operations on 19 April 2005 over ELs 2948 and 3019. Newcrest is committed to complete one basement drillhole within six months of the commencement date (subject to Ministerial Consent to the agreement and the availability of a suitable drill rig).

Native Title

The native title situation has been investigated and there are currently no registered native title claims in this area.

3 Regional Geology

The Curnamona Province is an extensively metasomatised terrain containing hydrothermal iron oxide copper-gold and related deposits. Structural timing criteria and geochronological data suggest that the Curnamona deposits formed at 1630-1600 Ma. They appear to have a close temporal association with I-type granitoids. The majority of deposits are hosted by metamorphosed Palaeoproterozoic supracrustal rocks of varying age, composition and metamorphic grade. Mineralisation was localised by a range of brittle-ductile structures and produced vein, stockwork, breccia and replacement orebodies.

The Curnamona Province comprises the Broken Hill Domain (BHD), Olary Domain (OD), and the Mt. Painter and Mt. Babbage Inliers to the northwest. Most of the known Cu-Au deposits are located in the OD, although numerous copper occurrences have been documented in both.

In the BHD the Upper Willyama Supergroup (<1700 Ma to <1640 Ma) is comprised of the Broken Hill Group, the Sundown Group, and Paragon Group in the Broken Hill Domain and the Strathearn Group in the Olary Domain. The Lower Willyama Supergroup (<1720 Ma to 1700 Ma) is comprised of the Thackaringa Group in the Broken Hill Domain and the Curnamona Group in the Olary Domain.

The sequence in the OD is divided into two lithostratigraphic packages, the basal Curnamona Group and the overlying Strathearn Group. The Curnamona Group includes A-type felsic volcanic rocks and co-magmatic intrusions that were emplaced between ~1715 and 1700 Ma. These Na-rich felsic igneous rocks are associated with albitic psammopelites, massive to laminated albitite, quartzo-feldspathic gneisses, and iron formations. The uppermost Curnamona Group contains calc-silicate±magnetite±hematite-bearing laminated albitite and minor Mn-rich rocks, passing upwards into the Bimba Formation. This thin regional marker is variably represented by marble, calc-silicate rock, (clinopyroxene, garnet, amphibole, epidote), pelitic schist, and gradations into bedded pyritic and pyrrhotitic zones with anomalous Cu, Pb, Zn, As and Co. The Strathearn Group is dominated by pelitic and psammopelitic lithologies, locally containing carbonaceous and aluminosilicate-bearing strata, banded iron formation (BIF) and tourmalinite.

The Curnamona Group is temporally broadly equivalent to the Thackaringa Group in the BHD. However, the uppermost Curnamona Group, which hosts some of the most significant Cu-Au deposits in the province, differs from the Thackaringa Group in containing greater proportions of calc-silicate strata, laminated Fe-oxide rich albitite, and manganiferous strata. The Broken Hill Group in the BHD, the host to the Broken Hill Pb-Zn-Ag lodes, and the overlying Sundown Group, have thinner equivalents in the OD.

A defining characteristic of both the BHD and OD are the exceptionally widespread Na-rich lithologies in particularly the lower parts of the Willyama Supergroup. Cu-Au-Fe oxide prospects in the Curnamona Province include:

- Copper Blow: best intercept of 10.8 m @ 4% Cu, 0.8 g/t Au
- Kalkaroo: 30 million tonnes @ 0.28% Cu, 0.14 g/t Au
- North Portia: best intercept of 76 m @ 1.1% Cu and 1.2 g/t Au
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- Waukaloo: best intercept 35 m @ 0.3% Cu
- White Dam: best intercept 14 m @ 1.7% Cu, 7.2 g/t Au.

4 Work Completed

The Poverty Lake property, located in the centre of the Curnamona Craton, covers several discrete magnetic anomalies (Figure 2). There is a variable depth of cover over much of the area. Figure 3 shows a residual bouguer gravity image and the anomaly locations on a background image of the recent PACE data.

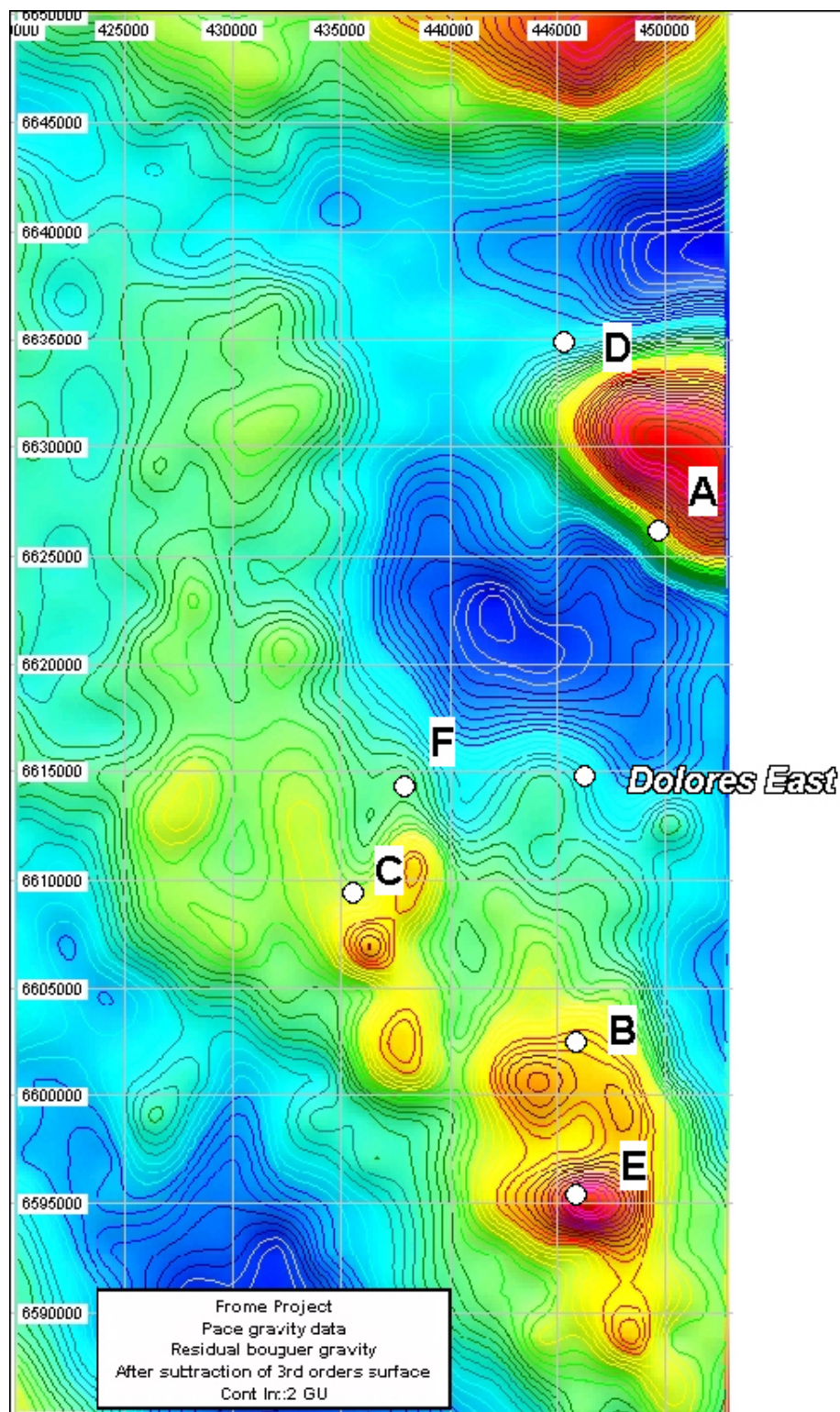


Figure 3 Residual bouguer gravity (PACE) image with anomaly locations

A ground magnetic survey was carried out in March 2005 by H Patterson. This survey was carried out over three discrete aeromagnetic anomalies (Anomalies A, C and E) in both the project tenements (ELs 2948 and 3019) to approximate the depth of the source. Anomaly A falls within the area of EL 2948 (Figure 4). The data is included as Appendix 1 (*EL2948_2005_A_02_GroundMagnetics.txt*).

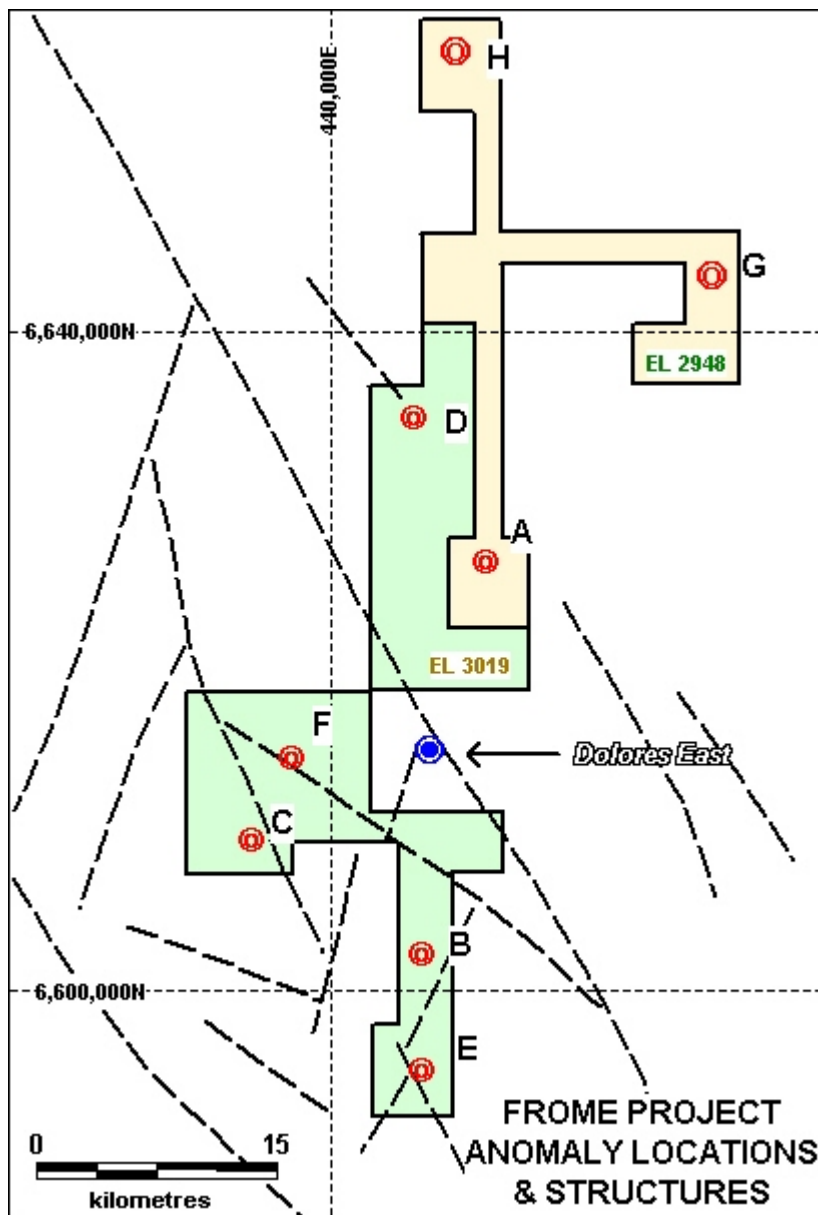


Figure 4 Location of ELs 2948 and 3019, aeromagnetic anomalies and structures

Based on the regional magnetic data (Figures 2 and 4) Anomaly A appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through Dolores East. Based on the recently available PACE gravity data (Figure 3), Anomaly A appears to lie on the flanks of a large gravity anomaly, at least 7 X 5 kilometres in size.

Modelling of the ground magnetic data for anomaly A indicates that the depth to the top is likely to be 450-500 metres (Figure 7). The anomaly is caused by a large body of moderate magnetic susceptibility (approximately 0.001-0.0015 cgs). Ground magnetic TMI contours and profiles of Anomaly A are shown as Figures 6 and 8.

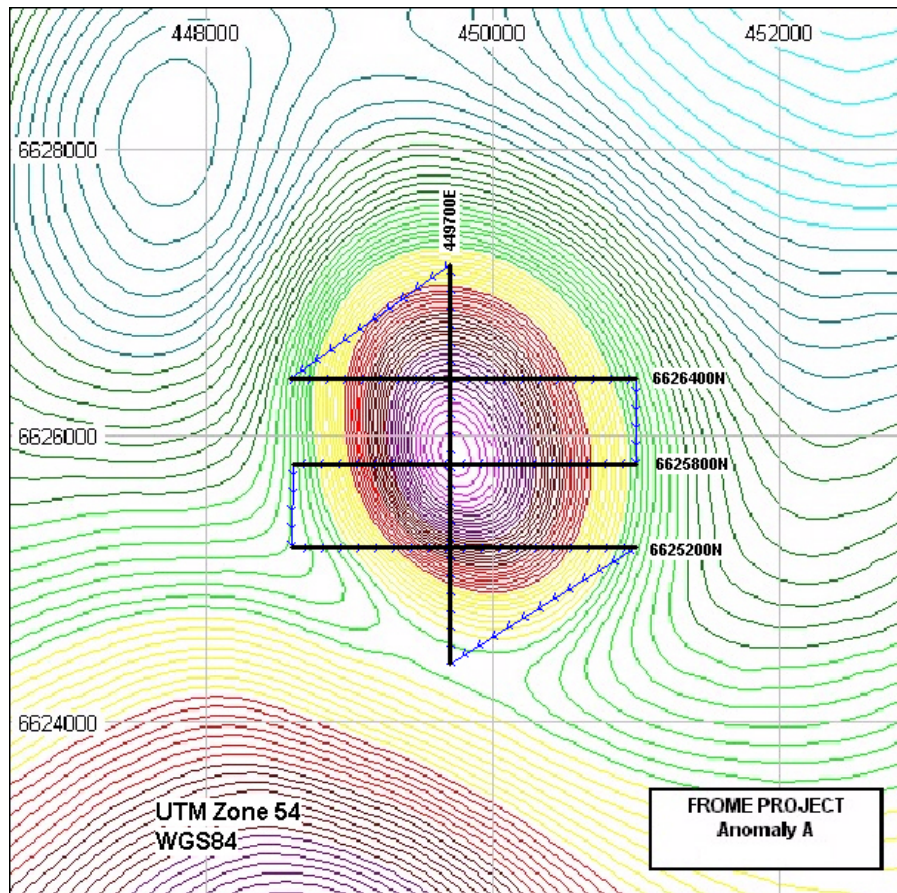


Figure 5 Location of ground magnetic traverses with background of aeromagnetic contours

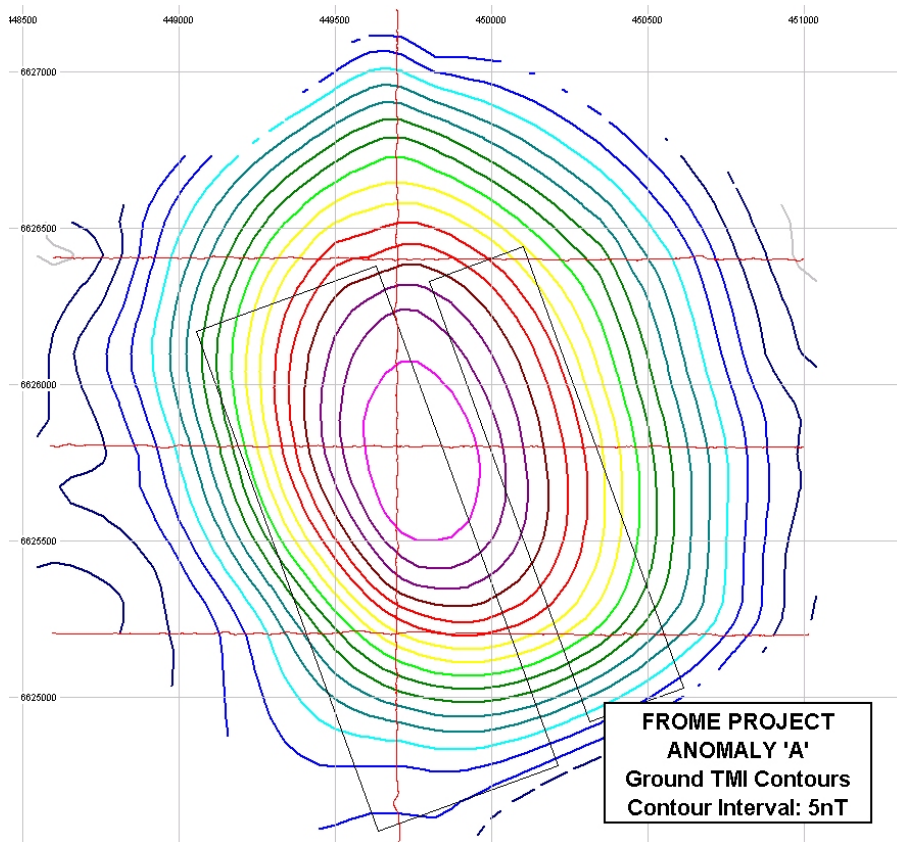


Figure 6 Anomaly A Ground TMI Contours

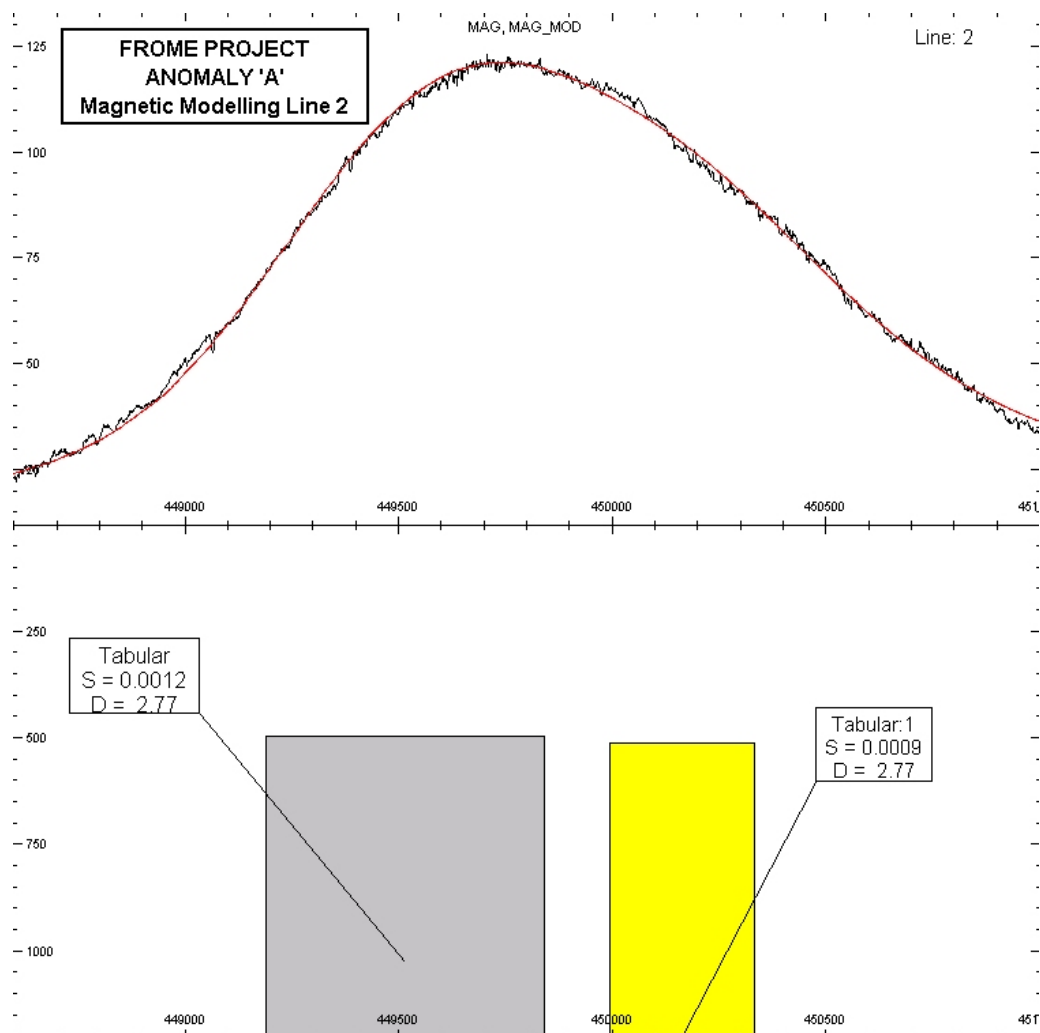


Figure 7 Modelling of ground magnetic data Anomaly A

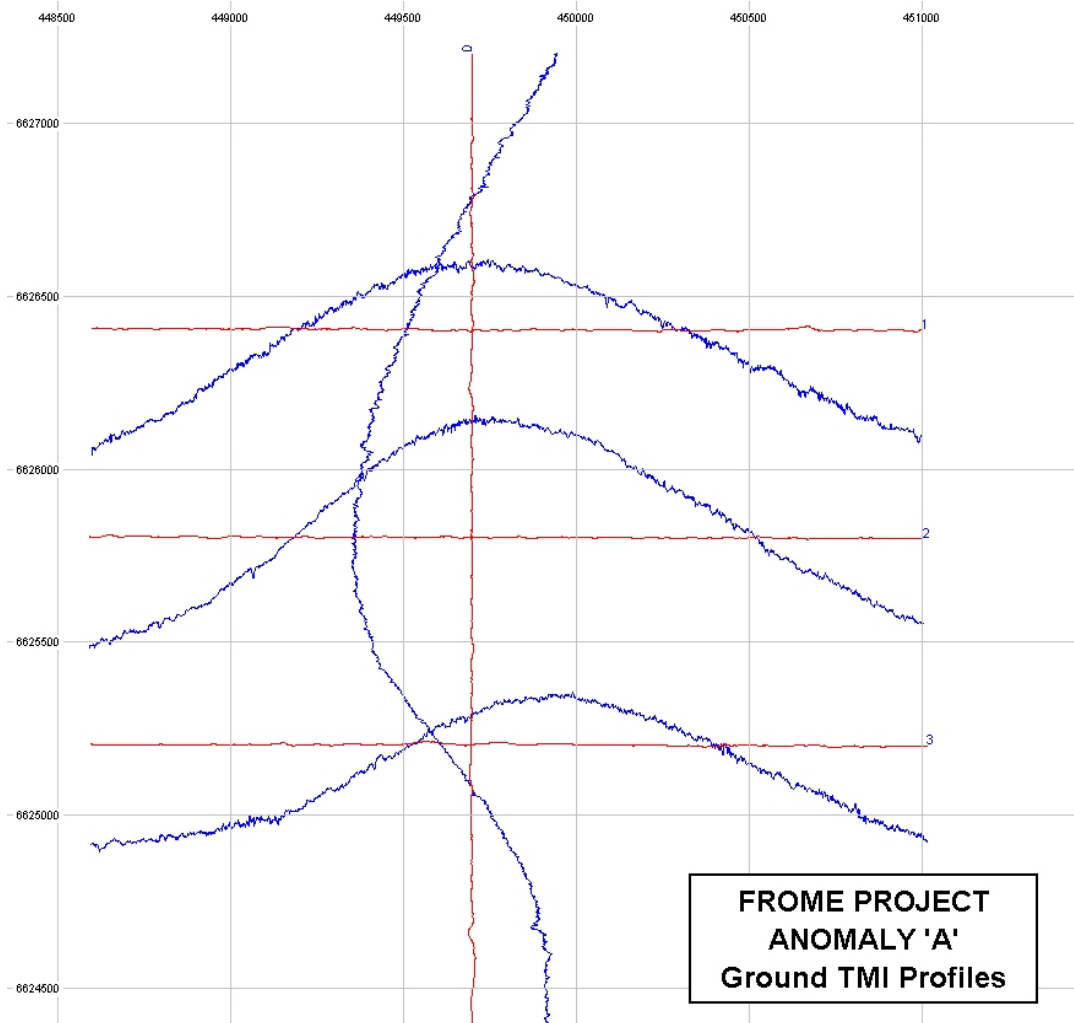


Figure 8 Ground TMI profiles Anomaly A

5 Planned Work

It is planned to carry out additional gravity surveys over Anomalies A and G followed by drilling.

6 Expenditure

Expenditure for the year ended 16 May 2004 is \$14,019.

Description	\$
Administration	1,760
Geological consultants	12,259
Total	14,019

Report No: S015/1

Newcrest Operations Limited

ANNUAL TECHNICAL REPORT

**EXPLORATION LICENCE
2948 "POVERTY LAKE"**

For the Period 17 May 2005 to 16 May 2006

**CURNAMONA PROVINCE
SOUTH AUSTRALIA**

Distribution:

**Newcrest Mining Limited, Perth
PlatSearch NL (Sydney)
PIRSA, Adelaide
J F Allender (Adelaide)**

Compiled By:

**R Langmead (Newcrest)
M A Stewart
June, 2006**

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Annual Technical Report EL2948 "Poverty Lake" For Period 17 May 2005 to 16 May 2006 Curnamona Province SA
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Newcrest
Library

report_no S015/1

10-Jul-06

Author R. Langmead; M. A. Stewart **Year:** 2006

Company: Newcrest Operations Limited **DataSet:** BENAGERIE JV
Platsearch NL J F Allender **Old report no:**

Map sheet (1:250k): Frome SH54-10 **Tenement:** EL2948

Grid Reference: 450100mE 6648000mN **Locality:** Curnamona

Data : **Surveys:** Geophysics - Gravity

Assays:

Keywords: Curnamona Province Tertiary Namba Eyre Formation Cretaceous Bulldog Marree
Mesoproterozoic Bimbowrie Supersuite Volcanics Intrusives Benagerie Ridge
Copper Gold

Prospect

Geological Annotation: A gravity programme targeted previously delineated magnetic anomalies "A" and "G" on Areas 1 & 2 within the Curnamona Project area.

Notes:

EXECUTIVE SUMMARY

Newcrest Operations Limited joint ventured into the PlatSearch/Allender/Hosking tenement EL2948 "Poverty Lake", during April 2005 as part of a broader search in the Curnamona Province for iron-oxide copper-gold-(uranium) styles of mineralisation associated with Mesoproterozoic rocks buried beneath cover sedimentary units of the Frome Basin. Adjoining tenements EL3019, (also joint ventured with PlatSearch/Allender/Hosking) and ELs 3350-3351 (100% Newcrest) together with EL2948, comprise Newcrest's broader Curnamona Project.

A ground gravity survey with 500m x 500m spaced stations was completed over portions of EL2948 in two separate areas which overlie previously reported magnetic anomalies designated anomaly "A" (449500E 6625500N) and anomaly "D" (447500E 6634000N). The total number of new gravity station readings acquired on EL2948 is 327.

Prioritisation of the next round of drilling targets within the Curnamona Project will await the results of a current drilling program on the Benagerie Ridge area, 15kms south-west from EL2948.

Bibliographic Data:

Report Title: Annual Technical Report: Exploration Licence 2948, "Poverty Lake" for the period 17 May 2005 to 16 May 2006.

Project Name: Curnamona

Tenement Number: EL2948

Tenement Holder: Newcrest Operations Limited
PlatSearch NL
James F Allender / Anthony Hosking

Operator: Newcrest Operations Limited

Commodities: Gold, copper, uranium, rare earths, lead, zinc, silver

Tectonic Unit: Curnamona Province

Stratigraphic Units: Tertiary Namba, Eyre Formations
Cretaceous Bulldog/Marree Units
Cadna-owie Formation
Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusives

1:250,000 Map Sheet: FROME (SH54-10)

1:100:000 Map Sheets: 6936 Coonarbine
6937 Cootabarlow
7036 Thurlooka
7037 Coonee

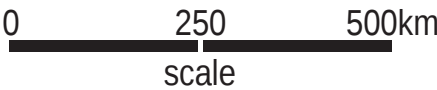
Keywords: Mesoproterozoic, Benagerie Ridge, gravity, copper-gold.

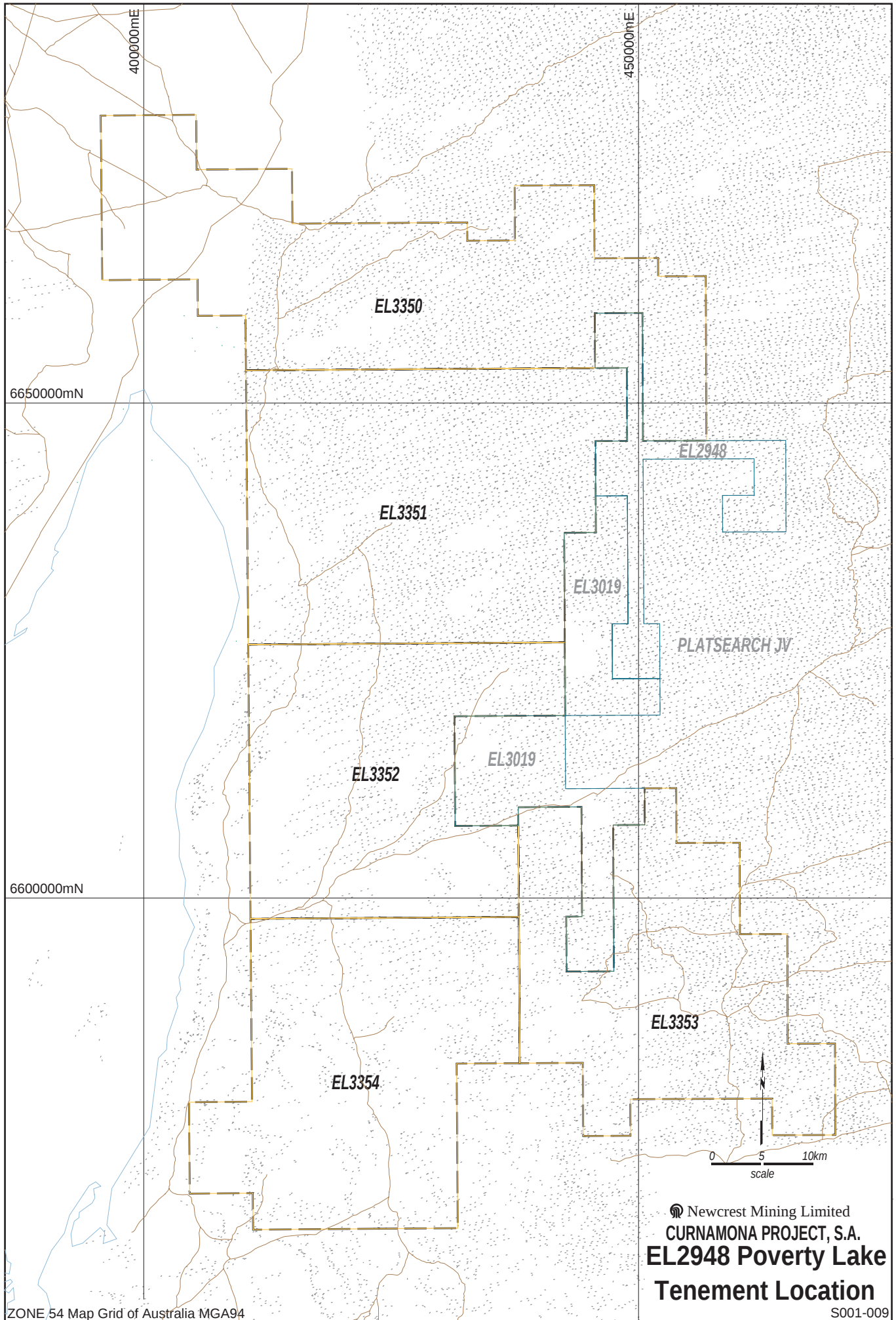
Annotation: A gravity programme targeted previously delineated magnetic anomalies "A" and "G" on Areas 1 & 2 within the Curnamona Project area.

Newcrest Mining Limited

**S.A. EXPLORATION
Curnamona Project**

Location Plan





ZONE 54 Map Grid of Australia MGA94

S001-009
12 07 2006

1.0 INTRODUCTION, HISTORY AND EXPLORATION RATIONALE

EL2948 "Poverty Lake" lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strezlecki Desert (Figure Nos S001-000 and S001-009). It lies wholly on Quinyambie pastoral station and access has been utilised from Broken Hill, via the Silver City Highway to Yanco Glen, then gravelled road through Corona-Teilita to Quinyambie, and local station tracks.

EL2948 was originally granted to PlatSearch NL (50%), J F Allender (25%) and A Hosking (25%) on 16 May 2002 for an initial period of 1 year, covering an area of 175km² which encompassed a number of magnetic anomalies with similarities to that associated with the Dolores East Cu-(Au) prospect further south on neighbouring tenement EL2579. Newcrest Operations Limited joint ventured into both EL2948 and adjoining EL3019 on 19 April 2005 and is the current operator of these tenements, along with ELs 3350-3354 (100% Newcrest) adjoining to the west, which all comprise Newcrest's "Curnamona Project".

Drilling at the Dolores East prospect has intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600ppm copper over 192 metres to the end of the hole at 504m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks at this point is $\approx$ 307m.

The depth to basement and the nature of these Mesoproterozoic rocks are not known within EL2948, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentral Australia Ltd, Oilmin/Petromin, Afmeco, Union Corporation, and others.

The exploration target in EL2948 is the general iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2.0 REGIONAL GEOLOGY:

EL2948 "Poverty Lake" lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from this basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts, 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (~1580Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbowrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbowrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al 2004) which are thought to be closely associated with IOCG styles of mineralisation.

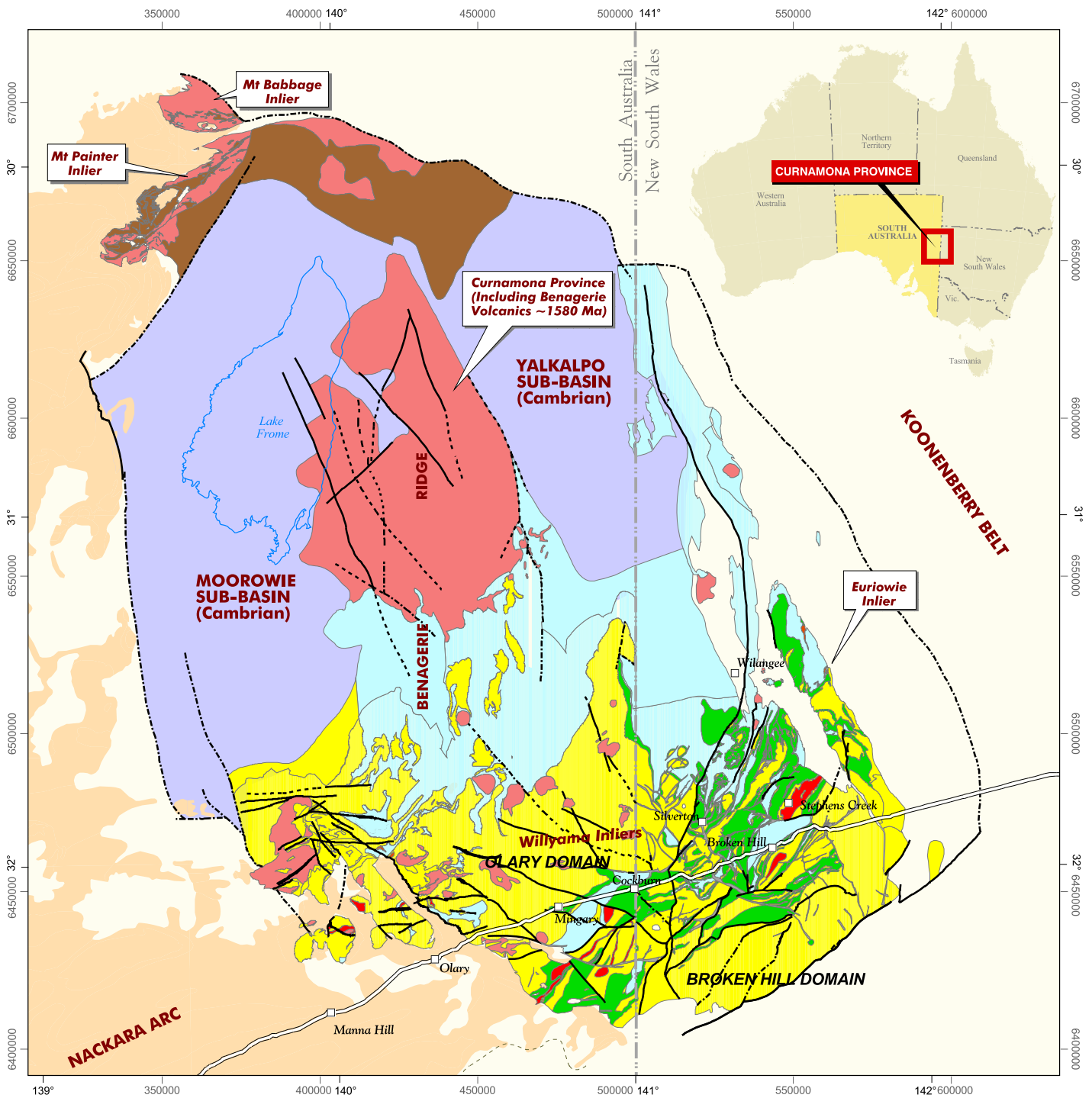
The closest basement intersecting drill hole to EL2948 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600ppm Cu over almost 200m to the end of hole at 504m. The depth of post-Proterozoic cover rocks at this location is 307 metres. No other holes in close proximity to EL2948 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales and sandy, conglomeratic units may themselves overlie possible older (?Cambrian) sediments in deeper portions of the basin.

Curnamona Province

GEOLOGY AND MINERALISATION

OUTCROP AND INTERPRETED SUBSURFACE GEOLOGY



- Cambrian
- Neoproterozoic
- Mesoproterozoic - granites and volcanics
- L-M - Undifferentiated
- Lg - Poodla Hill Suite ~1630 Ma
- Lga - Basso Suite ~1710 Ma
- Upper Willyama Supergroup
- Lwb - Broken Hill Group
- Lower Willyama Supergroup

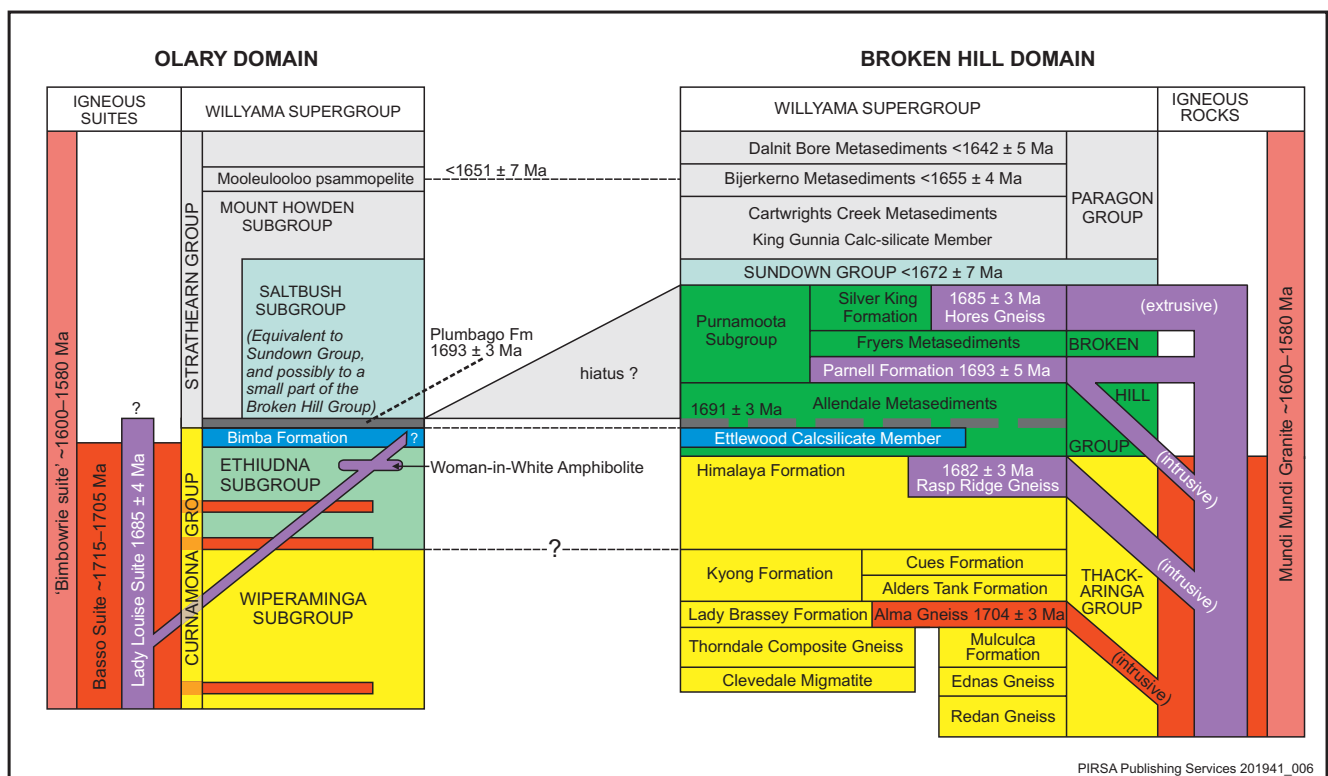


0 30 60 Kilometres
Grid Reference: MGA Zone 54

- Fault
- Fault - approximate
- Fault - inferred



PRIMARY INDUSTRIES
AND RESOURCES SA



Stratigraphic correlation of the Olary and Broken Hill Domains

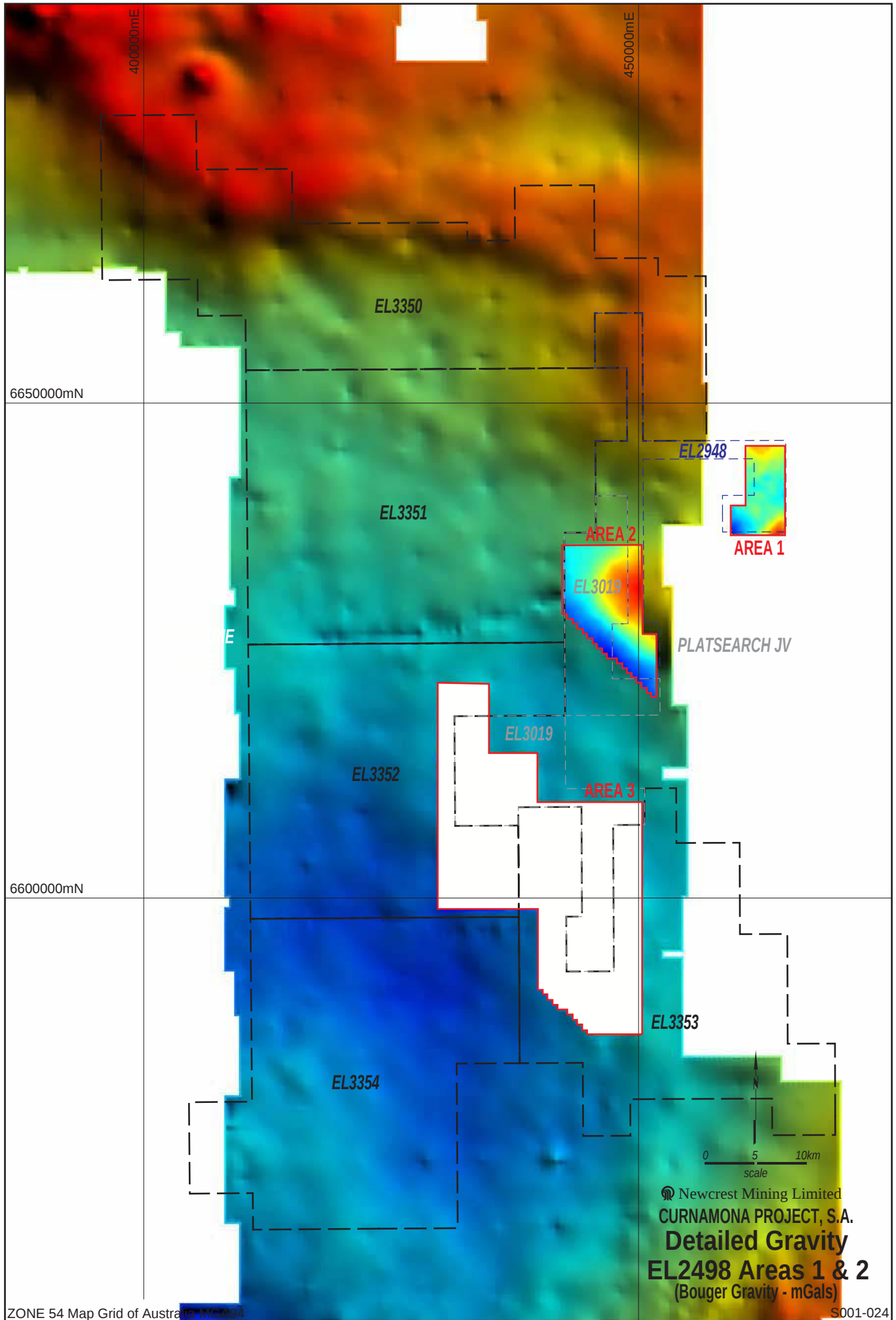
3.0 EXPLORATION ACTIVITIES

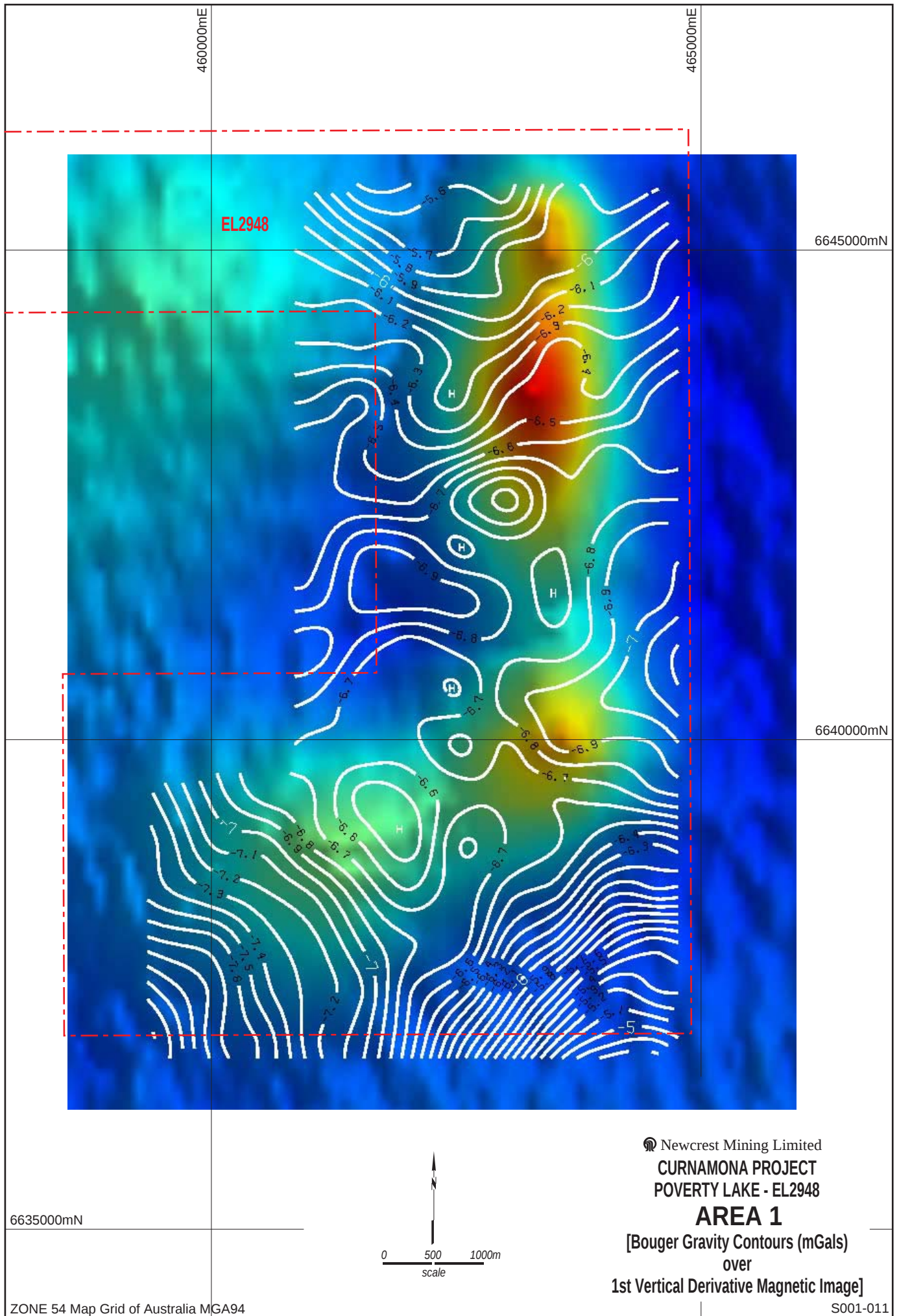
3.1 Geophysics

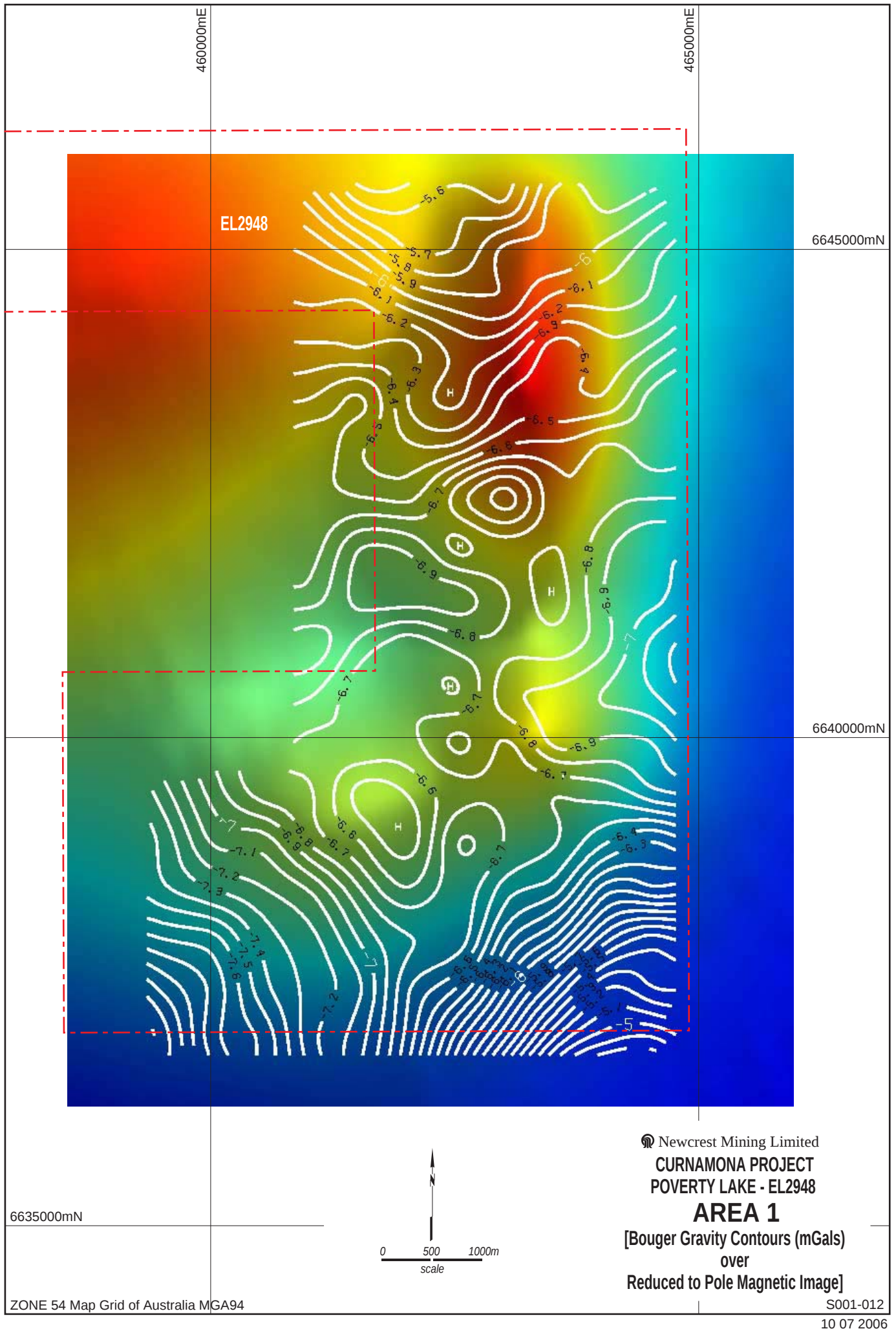
3.11 Ground Gravity Survey

A precision GPS-Gravity survey totalling 2293 new stations at a 500m x 500m spacing was completed in the Curnamona area for Newcrest/PlatSearch by geophysical contractor Daishat Pty Ltd between 19 August and 15 September 2005. The total survey is comprised of three separate sub-areas, the northern most two sub-areas Area 1 and Area 2 containing 327 new stations overlap onto the southern and eastern portions of EL2948. Full details and results from the gravity survey over Areas 1 and 2 are contained in Appendix I and Figure Nos. S001-00-11, S001-012 and S001-012).

Three significant magnetic anomalies occur on EL2948 and have been designated anomalies "A", "H" and "G". Anomalies "A" and "G" have been covered by this new detailed gravity data (Figure No. S001-024), whilst anomaly "H" in the far northern portion of the tenement was considered too remote with access difficulties at this time.







4.0 CONCLUSIONS

Gravity and magnetic anomalies:

Within Area 1 on the eastern side of EL2948, very subtle gravity anomalies ($<0.4\text{mGal}$) are associated with several positive magnetic anomalies. A large, deep seated gravity high extends off the tenement margin towards the SE within an area of relatively low magnetic response. Drill targets here are likely to be deep.

In Area 2, extending over the southern portion of EL2948, a large, deep seated gravity high extends off the eastern margin of the survey area. Two discrete positive magnetic anomalies, "A" (449500E 6625500N) and "D" (447500E 6634000N) do not have any directly coincident discernible gravity anomalies associated.

Further information on the nature of the Proterozoic basement and depth of cover rocks will be gathered from a current Newcrest/PlatSearch drilling program centred on the Benagerie Ridge approximately 15kms south-west from the southern end of EL2948. Results from this round of drilling will assist in prioritising the next round of drill targets, including those on EL2948.

5.0 REFERENCES

Burt, A., and Betts, P., 2004. *Interpreted Solid Geology of the Curnamona Province, PIRSA map.*

Burt, A., et al., 2004. *Curnamona – an Emerging Cu-Au Province.* Mesa Journal 33.

APPENDIX I

GRAVITY SPECIFICATIONS AREAS 1 & 2

BENAGERIE GRAVITY SURVEYS

August 05 – September 05

Report Number 05014

LR Mathews



CLIENT

NEWCREST MINING LTD

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1. INTRODUCTION

A precision GPS-Gravity survey was carried out between 19th August and 15th September 2005 for Newcrest Mining Ltd. A total of 2293 new stations were surveyed over several three areas near Benagerie in the Curnamona Province region of South Australia.

Gravity data were acquired using Scintrex CG5, and Scintrex CG3 digital gravity meters, in conjunction with a Lacoste Romberg Gravity meter. Position and level data were obtained using Leica System 1200 GPS units to produce precise post processed GPS locations. All data were acquired using Daishsat quad-bike methods.

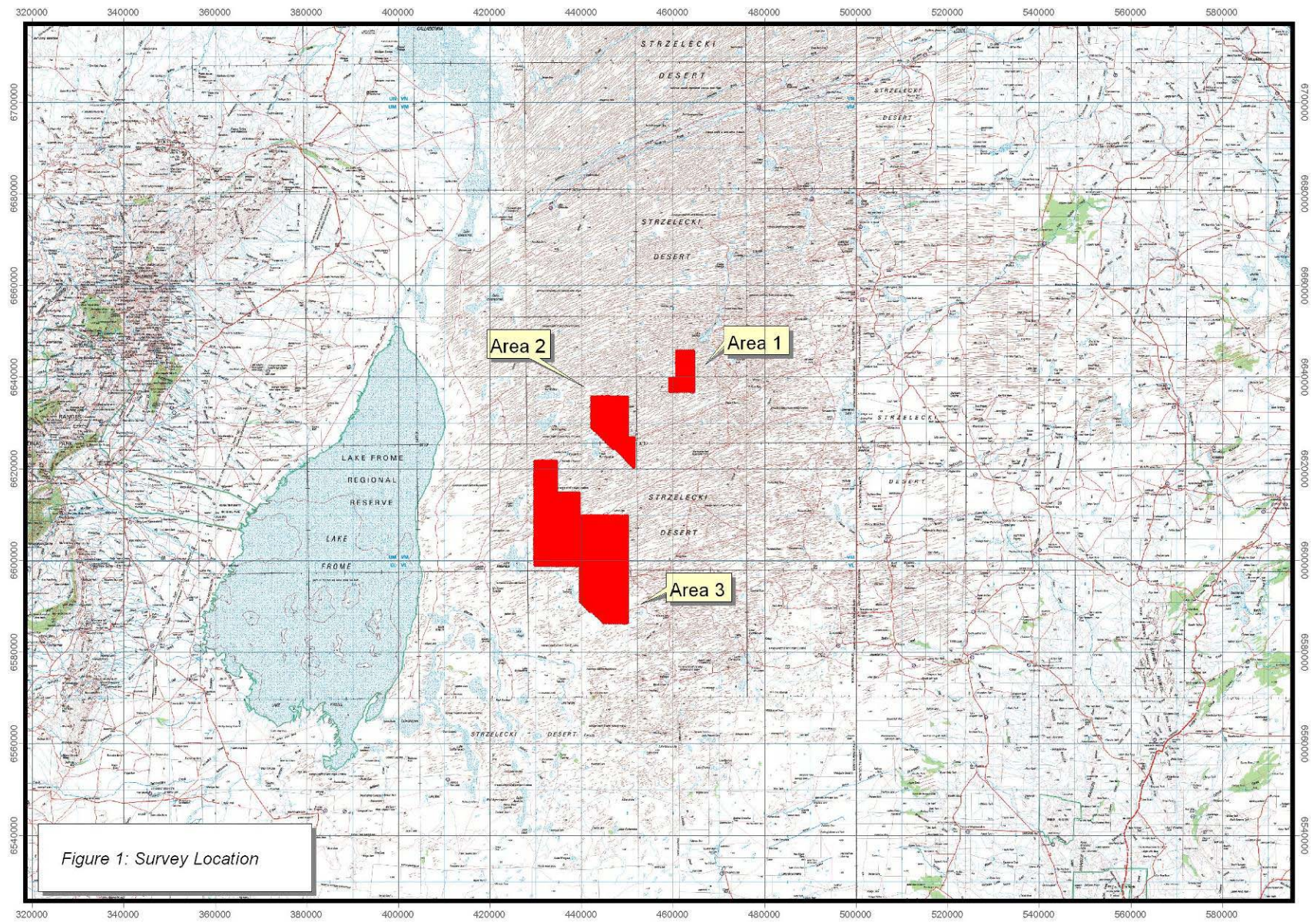
Gravity data were reduced using standard reductions on the ISOGAL84 gravity network. GPS data were reduced to MGA coordinates with levels expressed as metres above the Australian Height Datum.

2. SURVEY OVERVIEW

The survey consisted of three separate areas. Area 1 was positioned furthest north and was the smallest of the three areas, containing 162 new stations. Area 3 was the largest area containing 1757 new stations, and was positioned furthest south. Area 2 laid in between areas 1 and 3 and contained 374 new stations.

Access to the survey areas was via Frome Downs station via the town of Yunta. Station tracks provided rough access to and through the survey area.

For each of the areas, surveying was conducted on a 500m x 500m square grid configuration. Appendix A contains a post plot of the stations.



3. PERSONNEL AND EQUIPMENT

3.1 Personnel

The supervisor in charge of the project was Mr. Luke Czaban. Luke was responsible for daily management of the job and for nightly data processing to ensure quality and integrity. Gravity and GPS measurements were carried out by:

Luke Czaban, Surveyor
Mick Tasker, Surveyor
Michael Van Senden
Frank Duffy
Matthew Ingall

Final data reduction and inspection were performed by the company geophysicist, Leon Mathews.

3.2 Survey equipment

Two Scintrex CG-5 digital gravity meters:

SN 9383

SN 100

One Scintrex CG3 digital gravity meter

SN 9704365

One Lacoste Romberg meter

SN G711

Three Leica System 1200 dual frequency GPS receivers

Garmin Handheld GPS receivers for navigation

Four Compaq notebooks for data processing and backup

Various chargers, solar cells and batteries.

3.3 Vehicles

Due to the type of terrain to be encountered, 4wd Landcruiser vehicles were used for the duration of the job. To maintain the high Daishsat safety record, vehicles were fitted with a range of safety equipment including:

- One 20l jerry can of water
- Dual fuel tanks
- Two spare tyres
- HF radio and Satellite Phone
- Self-recovery equipment including a hand winch, snatch straps and rope
- Tyre pliers to effect tyre repairs in the field
- Tools and spares to enable field repairs as necessary
- Survival kit with EPIRB emergency locator beacon

Quad-bike surveying utilized current model 4WD Yamaha bikes. Each bike was equipped with:

- 10L jerry can of spare fuel
- UHF communications
- Personal First Aid Kit
- Self-recovery equipment including a hand winch, snatch straps and rope
- Tyre repair kit
- Tools and spares to enable field repairs as necessary



Photo 1: Quadbike used for gravity surveying

3.4 Camp

The field crew set up a new fly camp proximal to the survey areas. The camp was co-located with the GPS and gravity base station. The small camp consisted of an operations centre located in a tent, an area for food preparation and storage, an area for storing equipment, an area for servicing and refueling vehicles, and an area for sleeping. The operations centre was used for communications, data processing, and storing and charging survey equipment.

The campsite was left as it was found. All rubbish was deeply buried and burnt so that it could not be later disturbed by the native fauna.

3.5 Communications

All personnel were equipped with hand-held UHF radios to allow inter-bike communications. Globalstar sat-phone skeds were made to the Perth and Murray Bridge offices at prescribed intervals.

4. GPS SURVEYING AND PROCESSING

4.1 Set out of the grid

Setout was done concurrently with the gravity data acquisition using autonomous GPS. Setout accuracy was better than 5m.

Gravity readings were taken as close to the programmed square grid coordinates as possible. Some stations were offset or omitted due to the nature of the terrain, e.g. hilly or thickly vegetated areas.

Repeat gravity stations were marked with a length of flagging, washer, and/or pin flag. Upon each reoccupation of the repeats, the quad-bike was ridden alongside the marker, on the existing tracks, to achieve the same vertical level each time.

4.2 Survey datum and control

The gravity surveying, and hence any gravity reductions, used the Australian Height Datum (AHD) as the reference datum.

A base station was established at the camp. The base station was established using two days worth of static data, and connections to ITRF stations using AUSLIG's online GPS processing system, AUSPOS. For more information on this system, please visit <http://www.ga.gov.au/geodesy/sgc/wwwgps/> Final deviations of better than 5mm were obtained for x,y and z, for all occupations. Appendix D contains the GPS base station information.

4.3 Surveying of position and level data

Final position and level data were obtained using Leica System 1200 GPS operating in post-processed kinematic mode. The GPS antenna was mounted on a fixed pole at the front of the quadbike, with the GPS receiver stored in a secure case. During survey, the raw GPS data were recorded on to 32 Mb CF cards in the GPS receivers. The receivers were downloaded onto computers nightly and all data were then processed using Waypoint GrafNav v7.00. Final accuracy of the post-processed coordinates would be better than 5cm for x, y and z.

Waypoint combines the processing components, GrafNav and GrafNet, in a complete package.

GrafNav processes data for one baseline (e.g. one base and one remote). GrafNav is normally used for kinematic data which it is extremely well suited for. It can also process single static baselines. Receiver types can be mixed and matched via the use of a common format. This component of Waypoint was used for processing the kinematic data acquired each day.

GrafNav and GrafNet share the same processing engine that has been under continuous development since its original inception by Waypoint in 1992. The core of this robust engine is its carrier phase kinematic (CPK) Kalman filter. Some of the major advantages of Waypoint's kernel are:

Fast processing - The GrafNav kernel is one of the fastest on the market. It will process ~0.8 epochs per MHz per second on a Pentium II.

Robust Kalman filter - From experience with processing GPS data from fast jets and NASA sounding rockets, the processing kernel has become extremely robust. Efforts have been made to account for all of the various data error possibilities given the different types of GPS receivers that GrafNav/GrafNet can handle.

Reliable OTF - Waypoint's on-the-fly (OTF) algorithm, called Kinematic Ambiguity Resolution (KAR), has had years of development and stresses reliability. Variations are implemented for both single and dual frequencies, and numerous options are available to control this powerful feature

Accurate Static Processing - Three modes of static processing are implemented in the processing kernel. Fixed static is the most accurate. A quick static solution is also available as an alternative, while the float and iono-free float solution is useful for long baselines.

Dual Frequency - Full dual frequency support comes with GrafNav/GrafNet. For ambiguity resolution, this entails wide/narrow lane solutions for KAR, fixed static and quick static. Ionospheric processing is very important with the peak of the ionosphere's cycle occurring in 2000. The GrafNav kernel implements two ionospheric processing modes including the iono-free and relative models. The relative model is especially useful for airborne applications where initialization is near the base station, and this method is much less susceptible to L2 phase cycle slips.

Forward and Reverse - Processing can be performed in both the forward and reverse directions. Both GrafNav and GrafNet also have the ability to combine these two solutions to obtain a globally optimum one.

Velocity Determination - Since the GrafNav kernel includes the L1 Doppler measurement in its Kalman filter, velocity determination is very accurate. In addition to

this, a considerable amount of code has been added specifically for the detection and removal of Doppler errors.

Long Baseline - Because precise ephemeris and dual frequency processing is supported, long baselines accuracies can be as good as 0.1 PPM.

For more information about Waypoint processing software, and in particular, Grafnav, please visit the Waypoint http://www.waypnt.com/grafnav_d.html.

Simple transformations to MGA and AHD were done using the GPS derived WGS84 positions output from Waypoint Grafnav.

MGA coordinates were obtained by simply projecting the GPS-derived WGS84 coordinates using a UTM projection with zone 54S. For all practicable purposes, the WGS84 geodetic coordinates are equivalent to GDA94 geodetic coordinates, so no transformation is necessary. For more information about WGS84, MGA94 and GDA94 please visit <http://www.ga.gov.au/geodesy/datums/>

AHD heights were calculated by Waypoint using inbuilt algorithms and the latest geoid model for Australia, AUSGEOID98. Information about the geoid, and the modeling process used to extract separations (N values) can be found at <http://www.ga.gov.au/geodesy/ausgeoid/index.jsp>. To obtain AHD heights, the modeled N value is subtracted from the GPS derived WGS84 ellipsoidal height (Figure 2).

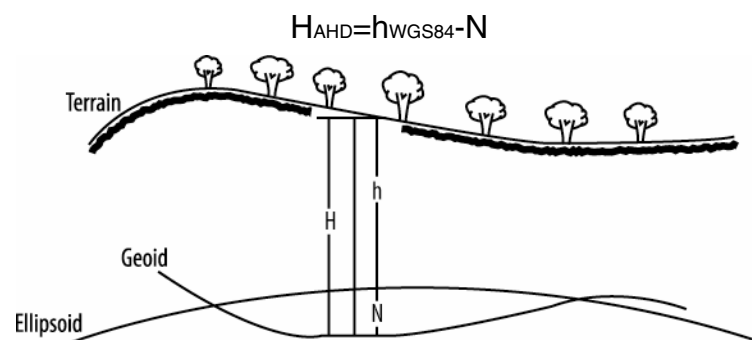


Figure 2: Geoid-Ellipsoid separation

5. GRAVITY ACQUISITION AND PROCESSING

5.1 Gravity data acquisition

Gravity observations were made concurrently with the GPS measurements (Photo 2). Two observations were made for each station, with each observation consisting of a 20-second or greater stacking time. Multiple observations were made at each station so that any seismic or instrumental noise could be immediately detected. The tolerance between readings was set at 0.02 of a dial reading. Vertical and horizontal levels were restricted to 5 arc seconds at all times. At each station, the station number, time and two gravity readings (in dial units) were recorded in DAISHSAT carbon-copy gravity field books. The Scintrex meters also automatically record the station, time and readings digitally to allow for downloading to computer.



Photo 2: GPS-Gravity Acquisition using quadbike

5.2 Gravity base stations

Base stations located at both camps, allowed for calculation of absolute gravity and instrument drift. Details of the gravity base are contained in Appendix D. A base station reading was taken in the morning, before observing, and in the evening, after the last

field observation. Readings were also taken at lunch time, depending on base proximity. When taking a base station reading, the gravity values were stacked over 60 seconds to ensure accuracy. Two observations of 60 seconds were taken at each base reading. Observations were repeated until the readings repeated to 0.020 of a dial reading or less.

The new base station was tied to an existing Daishsat base station (6936/1056) that was established as part of the recent PIRSA Pace project (DS Project 04026). The tie was conducted with an ABABA configuration with three gravity meters. Accuracy of the tie would be better than 0.01 mGals.

5.3 Gravity data processing

Raw gravity data were processed on a daily basis to check for quality and integrity. This interim process produced a set of Bouguer Gravity values which were contoured and imaged to provide a check for any anomalous readings that would need repeating. Geosoft GRAVRED software was used for the gravity reduction in the field. Upon conclusion of the job, the data were reprocessed using the BMR formulae as per PIRSA specifications. Note, the formulae below produce values in milliGals. A division factor of 10 is used to obtain millGals units from gravity units (gu).

Instrument scale factor: This correction was used to correct a gravity reading (in dial units) to a relative milliGal value based on the meter calibration.

Tidal correction: This correction was used to correct for background variations due to changes in the relative position of the moon and sun. The Scintrex calculated ETC was removed and a new ETC calculated using Geosoft Formulae and the surveyed GPS latitude. The formula is too complex to list here.

Instrument Drift: Since gravity meters are mechanical, they are prone to drift (extension of the spring with heat, obeying Hooke's law). If two base readings are taken one can assume that the drift between the two readings is linear and can therefore be calculated. The drift and tidal corrected value is referred to as the *observed gravity*.

Normal Gravity: The theoretical value of gravity was calculated using the 1967 variant of the International Gravity Formula and used to latitude correct the observed gravity.

$$g_r = 9780318 \times (1 + 0.0053024 \sin^2 \Phi - 0.0000059 \sin^2 2\Phi)$$

where Φ = GDA94 latitude

Free-Air Correction: Since gravity varies inversely with the square of distance, it is necessary to correct for changes in elevation between stations to reduce field readings to a datum surface (in this case, AHD).

$$FAC = 3.086 \times h_{AHD}$$

Bouguer Correction: This correction accounts for the attraction of material between the station and datum plane that is ignored in the free-air calculation. Values of 2.67, 2.40 and 2.20 gm/cc were used in the correction.

$$BC = 0.419 \times \rho \times h_{AHD}$$

where ρ = density (2.67, 2.40 and 2.20 gm/cc)

Free Air Anomaly: This is obtained by applying the free air correction (FAC) to the observed gravity reading.

$$FAA = G_{OBSG84} - G_n + FAC$$

Bouguer Anomaly: This is obtained when all the preceding reductions or corrections have been applied to the observed gravity reading.

$$BA_{267,240,220} = G_{OBSG84} - G_n + FAC - BC$$

5.4 Gravity meter calibration and scale factors

The gravity meters used have been previously calibrated over a number of calibration ranges in WA and SA. Derived scale factors from these calibrations are shown below:

SN 9704365	1.00000000
SN 9383	1.00185458
SN 100	1.00000000
SN G711	1.01729

5.5 Gravity meter drift calibration

While the survey was in progress, the meters were cycled overnight as a check on instrument drift. Changes were made to the drift constant where appropriate.

6.0 RESULTS

Raw and processed GPS and gravity data are contained on CDROM as Appendix E. Hardcopy plots of images and contours are contained in Appendix B.

6.1 Stations Surveyed and Survey Progress

In total, 2293 new stations were acquired during the survey. A brief production summary is shown in Table 2 below. The production rate varied due to terrain and proximity to the camp. In the areas located near the camp, the crews were reliably achieving over 80 stations/day/bike. Surveying in Area 1 was not as productive due to the length of time taken to travel out to site (1-2 hours each way). In Area 1, production rates were around 20-40 stations/day/bike.

Survey Summary – Area 1

Gravity stations acquired (including repeats)	184	stations
Gravity station repeats	22	13.6 %
New gravity stations acquired	162	stations
Total accidents	0	accidents
Total hours lost from accidents	0	hours

Survey Summary – Area 2

Gravity stations acquired (including repeats)	431	stations
Gravity station repeats	57	15.2 %
New gravity stations acquired	374	stations
Total accidents	0	accidents
Total hours lost from accidents	0	hours

Survey Summary – Area 3

Gravity stations acquired (including repeats)	1937	stations
Gravity station repeats	180	10.2 %
New gravity stations acquired	1757	stations
Total accidents	0	accidents
Total hours lost from accidents	0	hours

Table 2: Gravity Production Summary

6.2 Data Repeatability

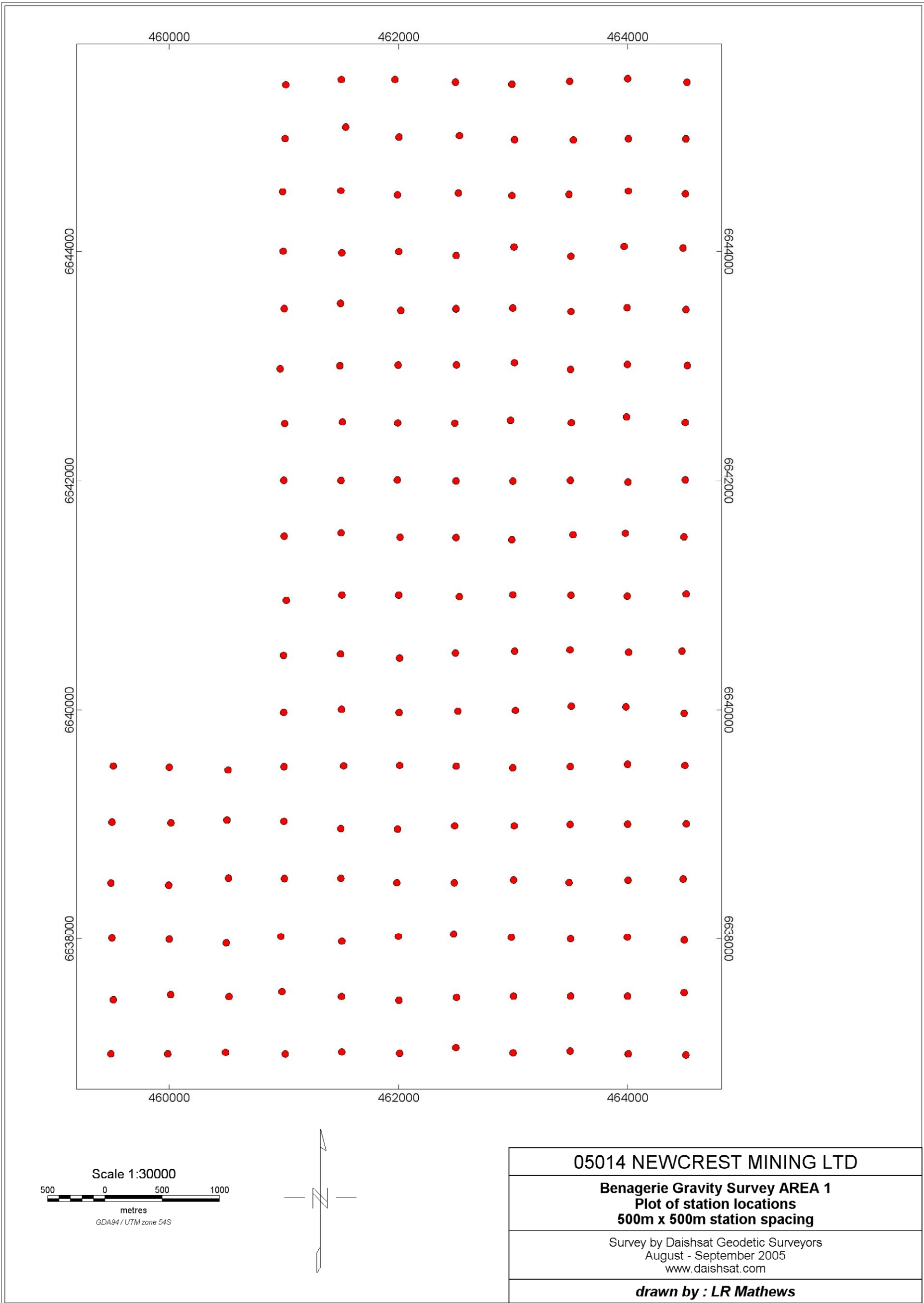
Analysis of the repeat data shows that measurement repeatability is excellent for both GPS and Gravity observations. An analysis for the survey is given in Appendix C. Based on the repeat data, one can assume the following typical accuracies for the observables:

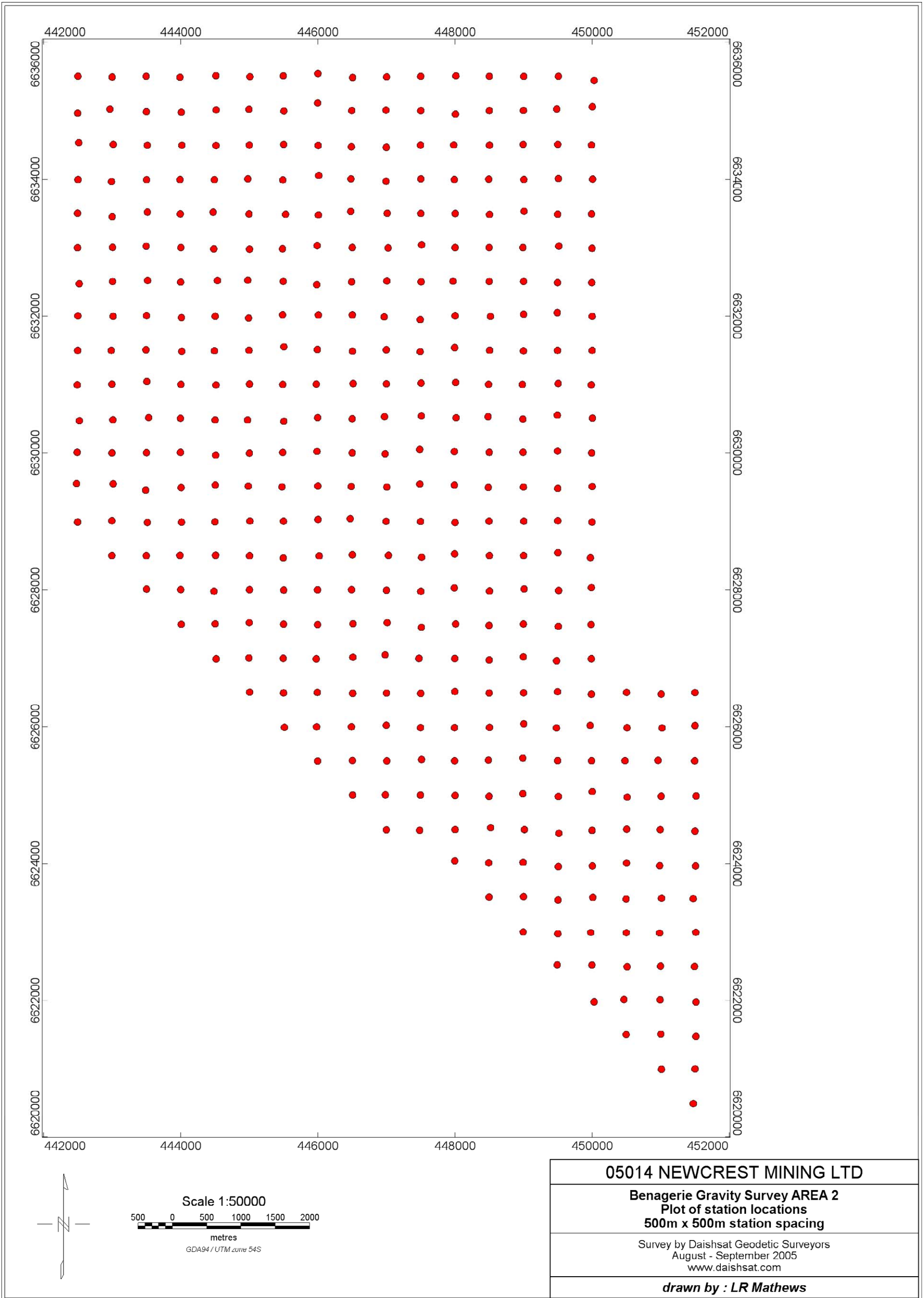
Vertical position observation : < 0.04 m

Gravity observation : < 0.03 mGals

APPENDIX A

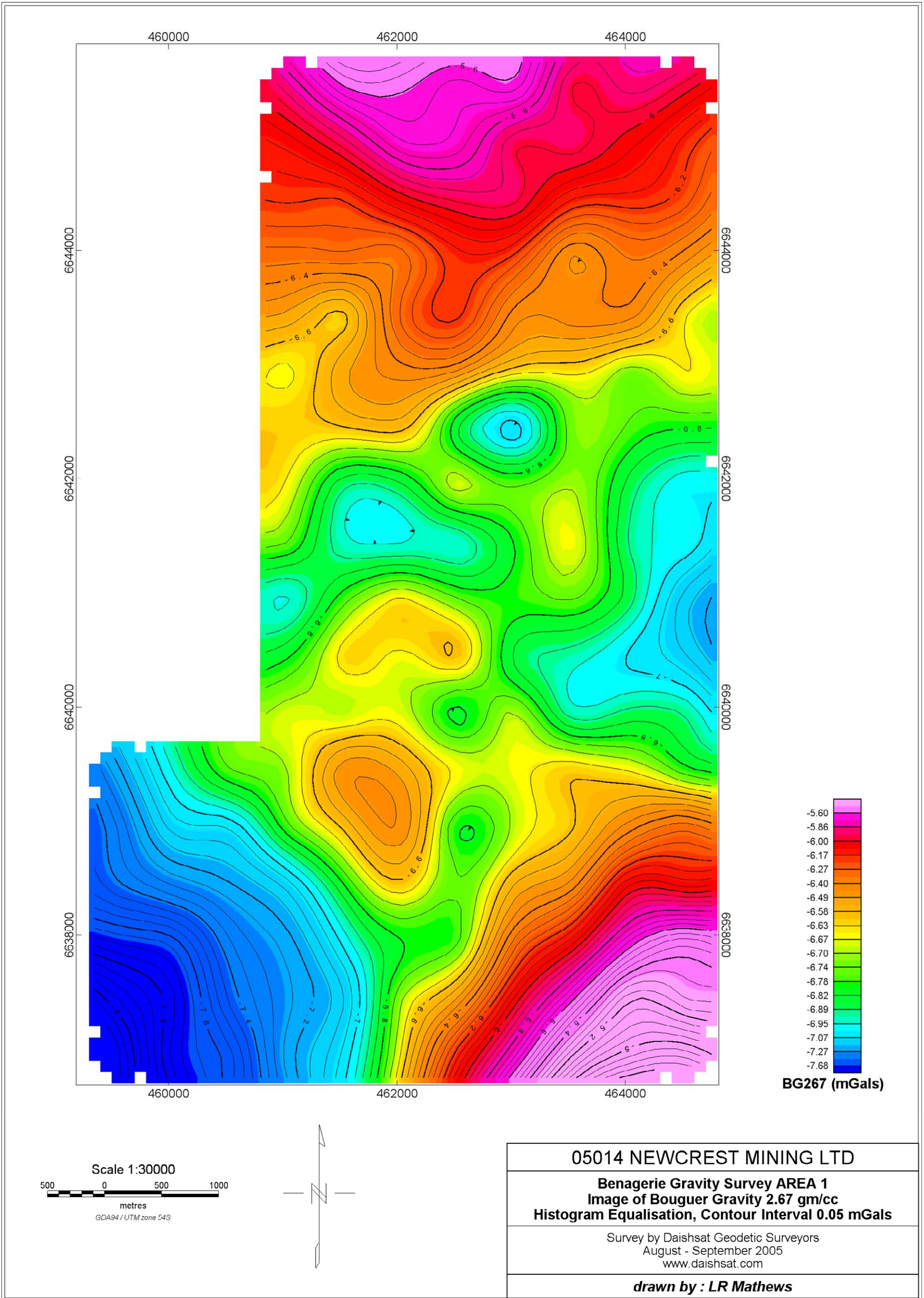
Station Locations

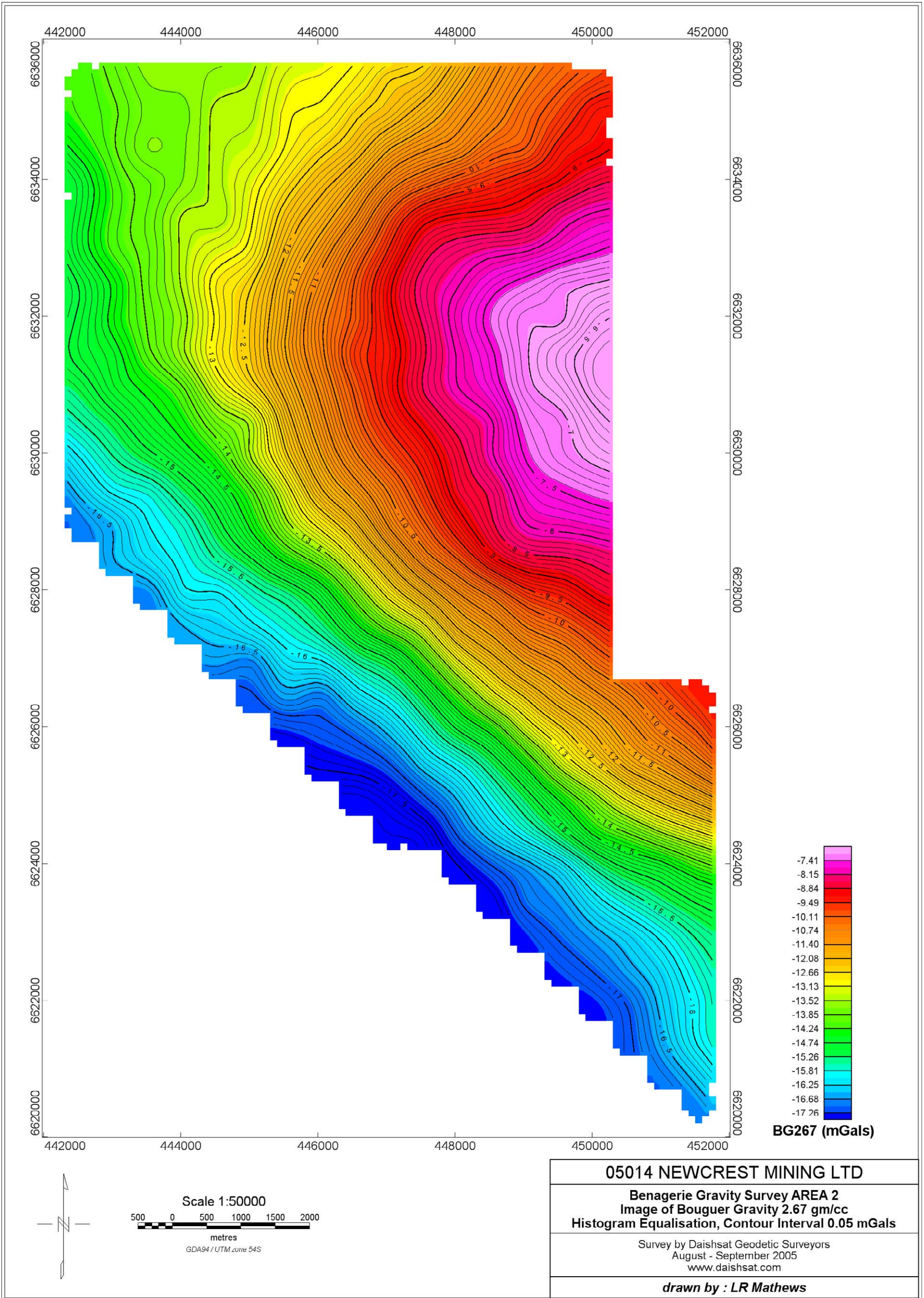




APPENDIX B

Colour Images

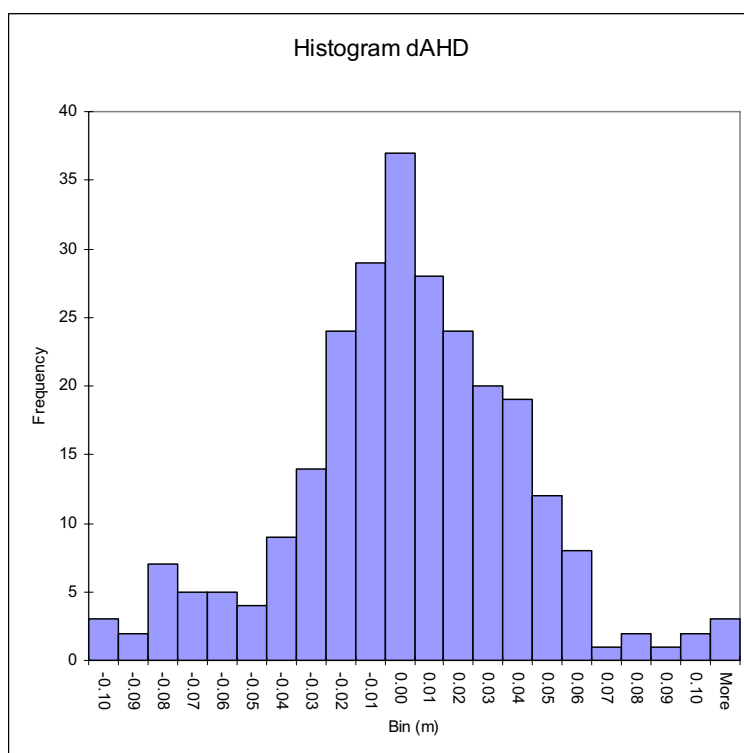




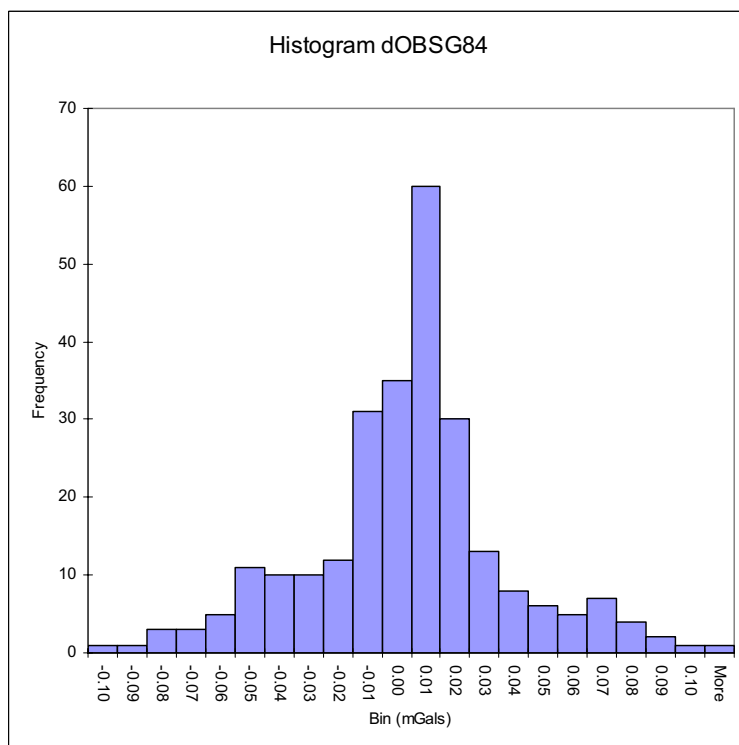
APPENDIX C

Repeatability Analysis

Repeatability of Height Measurement



Repeatability of Observed Gravity



Descriptive Statistics

	<i>dAHD</i>	<i>dOBSG</i>
Mean	-0.002	-0.001
Standard Error	0.002	0.002
Median	-0.002	0.003
Mode	-0.009	0.004
Standard Deviation	0.039	0.034
Sample Variance	0.002	0.001
Kurtosis	0.869	1.008
Skewness	-0.136	-0.054
Range	0.238	0.220
Minimum	-0.118	-0.118
Maximum	0.120	0.102
Sum	-0.526	-0.211
Count	259	259

APPENDIX D

Base Station Information

GPS Base and Gravity Base 0036 - Yelnif

MGA94

EASTING	439849.381 m
NORTHING	6609021.963 m
ZONE	53
HEIGHT (AHD)	43.070 m

GDA94

LATITUDE	-30 38 59.8646 S
LONGITUDE	140 22 19.9709 E
GDAHT	55.380 m

OBSERVED GRAVITY

979344.008 mGals ISO GAL84

SURVEYED BY

GPS - Daishsat using multiple static sessions and the AUSPOS online GPS Processing system. Expected accuracy of station coordinates better than 0.005m.

Gravity – ABABA ties with three meters to PIRSA station 6936/1056. Expected accuracy 0.01 mGals.

MISCELLANEOUS DETAILS

It is located approx 150m south of the track running between Yelnif Dam and Lakeside Bore on Frome Downs Station. The station consists of a steel picket driven into the ground, with approximately 15cm protruding. It is witnessed with a steel picket with Daishsat plaque attached. Access to the station is via unsealed stations tracks heading north from Frome Downs station.



Photo of GPS Gravity Base 0036 with distinguishing features in background.

AREA 1 GRAVITY DATA

station	mga_easting	mga_northing	date	ahd_m	gda94_longitude e dd	gda94_latitude dd	time_hhmmss	dialrdng_mgal s	etc_mgal s	obsrg84_mgals	obsrg84_gu	gt_gu	fag_gu	fag_mgals	bg267_gu	bg240_gu	bg220_gu	bg267_mgal s	bg240_mgals	bg220_mgals	closure_mg als	metersn
1750	459988.185	6636993.939	7/09/2005	46.926	140.5834729	-30.39839867	10:29:10	3384.066	0.007	979338.273	9793382.73	9793552.351	-24.807	-2.481	-77.305	-71.996	-68.064	-7.73	-7.2	-6.806	-0.11	9383
1750	459988.236	6636994.005	7/09/2005	46.945	140.5834734	-30.39839807	13:51:35	3383.934	0.11	979338.284	9793382.84	9793552.351	-24.638	-2.464	-77.157	-71.846	-67.912	-7.716	-7.185	-6.791	-0.11	9383
1750	459988.397	6636993.71	7/09/2005	46.938	140.5834751	-30.39840074	10:34:40	4264.948	0.012	979338.336	9793383.36	9793552.353	-24.142	-2.414	-76.653	-71.343	-67.41	-7.665	-7.134	-6.741	0.02	704365
1750	459988.318	6636993.614	7/09/2005	46.978	140.5834743	-30.39840161	13:40:20	4264.749	0.109	979338.228	9793382.28	9793552.353	-25.099	-2.51	-77.655	-72.34	-68.404	-7.765	-7.234	-6.84	0.02	704365
1751	460013.826	6637511.843	7/09/2005	53.325	140.5837596	-30.39372604	10:46:45	4263.221	0.021	979336.618	9793366.18	9793548.668	-17.927	-1.793	-77.583	-71.55	-67.082	-7.758	-7.155	-6.708	0.02	704365
1752	460001.362	6637996.131	7/09/2005	52.543	140.5836484	-30.3893555	11:00:29	4263.155	0.032	979336.562	9793365.62	9793545.223	-17.455	-1.745	-76.236	-70.292	-65.889	-7.624	-7.029	-6.589	0.02	704365
1753	459995.875	6638470.539	7/09/2005	48.161	140.5836095	-30.38507433	11:17:48	4264.002	0.045	979337.422	9793374.22	9793541.848	-19.003	-1.9	-72.882	-67.434	-63.398	-7.288	-6.743	-6.34	0.02	704365
1754	460015.583	6639013.662	7/09/2005	48.168	140.5838353	-30.38017393	11:28:04	4263.827	0.052	979337.254	9793372.54	9793537.986	-16.8	-1.68	-70.687	-65.237	-61.201	-7.069	-6.524	-6.12	0.02	704365
1755	460504.466	6639039.186	7/09/2005	54.211	140.5889246	-30.37995971	12:14:49	3381.755	0.082	979336.054	9793360.54	9793537.817	-9.982	-0.988	-70.63	-64.497	-59.954	-7.063	-6.45	-5.995	-0.11	9383
1755	460503.374	6639038.794	7/09/2005	54.215	140.5889132	-30.37996321	11:43:19	4262.631	0.063	979336.068	9793360.68	9793537.82	-9.833	-0.983	-70.485	-64.351	-59.808	-7.048	-6.435	-5.981	0.02	704365
1756	460513.758	6639475.415	7/09/2005	50.021	140.5890378	-30.37602355	11:56:16	4263.444	0.072	979336.889	9793368.89	9793534.715	-11.461	-1.146	-67.421	-61.762	-57.57	-6.742	-6.176	-5.757	0.02	704365
1757	460001.226	6639498.744	7/09/2005	45.358	140.5837045	-30.37579615	12:08:50	4264.137	0.079	979337.589	9793375.89	9793534.536	-18.672	-1.867	-69.415	-64.284	-60.483	-6.941	-6.428	-6.048	0.02	704365
1758	459513.86	6639509.866	7/09/2005	46.792	140.5786327	-30.37567952	12:22:26	4263.563	0.087	979337.022	9793370.22	9793534.444	-19.824	-1.982	-72.172	-66.878	-62.957	-7.217	-6.688	-6.296	0.02	704365
1759	459501.283	6639020.234	7/09/2005	47.63	140.5784828	-30.38009747	12:35:23	4263.604	0.093	979337.069	9793370.69	9793537.926	-20.25	-2.025	-73.535	-68.146	-64.155	-7.353	-6.815	-6.416	0.02	704365
1760	459492.467	6638488.649	7/09/2005	45.409	140.5783705	-30.38489411	12:49:07	4264.361	0.098	979337.831	9793378.31	9793541.706	-23.264	-2.326	-74.064	-68.927	-65.122	-7.406	-6.893	-6.512	0.02	704365
1761	459501.486	6638006.354	7/09/2005	47.04	140.5784456	-30.38924656	13:00:51	4264.102	0.102	979337.575	9793375.75	9793545.137	-24.221	-2.422	-76.846	-71.525	-67.583	-7.685	-7.122	-6.758	0.02	704365
1762	459513.501	6637466.621	7/09/2005	51.4	140.5785498	-30.39411742	13:13:50	4263.361	0.106	979336.837	9793368.37	9793548.976	-21.986	-2.199	-79.488	-73.674	-69.366	-7.949	-7.367	-6.937	0.02	704365
1763	459492.006	6636993.838	7/09/2005	48.41	140.5783077	-30.39838301	13:25:38	4264.108	0.108	979337.586	9793375.86	9793552.339	-27.085	-2.709	-81.243	-75.767	-71.71	-8.124	-7.577	-7.171	0.02	704365
1764	462998.79	6637003.268	8/09/2005	52.1	140.6148133	-30.39841066	9:49:52	3386.467	-0.036	979339.293	9793392.93	9793552.361	1.35	0.135	-56.936	-51.042	-46.676	-5.694	-5.104	-4.668	-0.13	9383
1765	463496.404	6637019.557	8/09/2005	52.176	140.619994	-30.39827885	10:01:44	3386.936	-0.029	979339.773	9793397.73	9793552.257	6.489	0.649	-51.882	-45.98	-41.607	-5.188	-4.598	-4.161	-0.13	9383
1766	463500.439	6637498.777	8/09/2005	51.057	140.6200527	-30.39395455	10:09:31	3386.389	-0.023	979339.232	9793392.32	9793548.848	1.034	0.103	-56.085	-50.309	-46.03	-5.608	-5.031	-4.603	-0.13	9383
1767	463500.38	6637999.824	8/09/2005	49.662	140.6200696	-30.38943317	10:20:51	3385.83	-0.016	979338.682	9793386.82	9793545.284	-5.207	-0.521	-60.765	-55.147	-50.985	-6.077	-5.515	-5.099	-0.13	9383
1768	463486.313	6638492.801	8/09/2005	54.466	140.6199404	-30.38498418	10:29:17	3384.176	-0.01	979337.033	9793370.33	9793541.777	-3.365	-0.337	-64.298	-58.136	-53.572	-6.43	-5.814	-5.357	-0.13	9383
1769	463496.481	6639000.989	8/09/2005	54.214	140.620064	-30.38039865	10:39:11	3383.68	-0.002	979336.545	9793365.45	9793538.163	-5.409	-0.541	-66.06	-59.926	-55.383	-6.606	-5.993	-5.538	-0.13	9383
1770	463497.116	6639504.99	8/09/2005	54.659	140.6200882	-30.37585062	10:48:36	3383.223	0.005	979336.096	9793360.96	9793534.579	-4.942	-0.494	-66.09	-59.907	-55.326	-6.609	-5.991	-5.533	-0.13	9383
1771	463506.327	6640031.662	8/09/2005	60.442	140.6202024	-30.37109827	10:58:52	3381.367	0.012	979334.246	9793342.46	9793530.835	-1.851	-0.185	-69.469	-62.631	-57.566	-6.947	-6.263	-5.757	-0.13	9383
1772	463495.162	6640523.587	8/09/2005	57.881	140.6201034	-30.36665885	11:08:41	3381.535	0.02	979334.424	9793344.24	9793527.337	-7.476	-0.448	-69.229	-62.681	-57.831	-6.923	-6.268	-5.783	-0.13	9383
1773	463503.309	6640999.926	8/09/2005	53.418	140.6202048	-30.36236065	11:18:03	3382.244	0.027	979335.143	9793351.43	9793523.95	-4.673	-0.767	-67.433	-61.39	-56.913	-6.743	-6.139	-5.691	-0.13	9383
1774	463521.577	6641528.394	8/09/2005	52.808	140.6204133	-30.35759235	11:29:58	3382.06	0.036	979334.97	9793349.7	9793520.194	-7.529	-0.753	-66.607	-60.632	-56.207	-6.661	-6.063	-5.621	-0.13	9383
1775	463497.931	6642002.584	8/09/2005	50.918	140.6201838	-30.35331258	11:38:54	3382.045	0.042	979334.964	9793349.64	9793516.823	-10.05	-1.005	-67.014	-61.253	-56.986	-6.701	-6.125	-5.699	-0.13	9383
1776	463506.3	6642505.723	8/09/2005	52.851	140.6202884	-30.34877255	11:48:38	3381.291	0.049	979334.217	9793342.17	9793513.247	-7.979	-0.798	-67.105	-61.126	-56.697	-6.711	-6.113	-5.67	-0.13	9383
1776	463506.45	6642505.867	15/09/2005	52.763	140.62029	-30.34877125	11:17:01	2871.94	0.017	979334.319	9793343.19	9793513.246	-7.23	-0.723	-66.257	-60.288	-55.867	-6.626	-6.029	-5.587	0.11	G711
1777	462976.523	6642526.577	8/09/2005	57.734	140.614777	-30.34856824	12:03:16	3379.967	0.06	979332.904	9793329.04	9793513.086	-5.879	-0.588	-70.468	-63.937	-59.098	-7.047	-6.394	-5.91	-0.13	9383
1778	462996.908	6641996.499	8/09/2005	50.738	140.6149703	-30.35335224	12:29:13	3381.991	0.076	979334.954	9793349.54	9793516.854	-10.737	-1.074	-67.499	-61.759	-57.507	-6.75	-6.176	-5.751	-0.13	9383
1779	462987.542	6641483.968	8/09/2005	52.139	140.6148548	-30.35797699	12:38:12	3382.026	0.082	979334.996	9793349.96	9793520.497	-9.636	-0.964	-67.966	-62.067	-57.698	-6.797	-6.207	-5.77	-0.13	9383
1780	462996.63	6641004.007	8/09/2005	52.007	140.6149324	-30.3623084	12:48:00	3382.408	0.087	979335.386	9793353.86	9793523.909	-9.556	-0.956	-67.738	-61.854	-57.496	-6.774	-6.185	-5.75	-0.13	9383
1781	463012.26	6640511.812	8/09/2005	56.251	140.6150776	-30.3667504	12:56:20	3381.81	0.091	979334.793	9793347.93	9793527.409	-5.888	-0.589	-68.818	-62.454	-57.74	-6.882	-6.245	-5.774	-0.13	9383
1782	463019.276	6639995.806	8/09/2005	54.186	140.6151324	-30.371407	13:05:37	3382.77	0.096	979335.761	9793357.61	9793531.078	-6.25	-0.625	-66.869	-60.739	-56.198	-6.687	-6.074	-5.62	-0.13	9383
1783	462995.73	6639494.831	8/09/2005	54.967	140.6148696	-30.37592702	13:13:20	3382.99	0.099	979335.987	9793359.87	9793534.639	-5.141	-0.514	-66.634	-60.416	-55.81	-6.663	-6.042	-5.581	-0.13	9383
1784	463008.826	6638988.182	8/09/2005	50.342	140.614988	-30.38049937	13:21:27	3384.237	0.102	979337.241	9793372.41	9793538.243	-10.477	-1.048	-66.796	-61.101	-56.882	-6.68	-6.11	-5.688	-0.13	9383
1785	463002.472	6638516.785	8/09/2005	50.208	140.6149052	-30.384753	13:29:38	3384.741	0.105	979337.75	9793377.5	9793541.595	-9.153	-0.915	-65.322	-59.642	-55.435	-6.532	-5.964	-5.543	-0.13	9383
1786	462983.556	6638011.665	8/09/2005	51.074	140.6146904	-30.38931056	13:38:30	3385.147	0.108	979338.161	9793381.61	9793545.187	-5.963	-0.596	-63.101	-57.323	-53.043	-6.31	-5.732	-5.304	-0.13	9383
1787	463002.011	6637498.487	8/09/2005	51.802	140.6148644	-30.39394198	13:47:12	3385.654	0.11													

AREA 1 GRAVITY DATA

station	mga_easting	mga_northing	date	ahd_m	gda94_longitude e dd	gda94_latitude dd	time_hhmmss	dialrdng_mgal s	etc_mgal s	obsrg84_mgals	obsrg84_gu	gt_gu	fag_gu	fag_mgals	bg267_gu	bg240_gu	bg220_gu	bg267_mgal s	bg240_mgals	bg220_mgals	closure_mg als	metersn
1800	463011.474	6644979.062	9/09/2005	56.906	140.6152272	-30.32643823	12:40:38	3380.874	0.061	979332.413	9793324.13	9793495.661	4.081	0.408	-59.582	-53.144	-48.375	-5.958	-5.314	-4.838	-0.104	9383
1801	463524.331	6644976.23	9/09/2005	54.24	140.620562	-30.32647937	12:51:15	3381.435	0.067	979332.984	9793329.84	9793495.693	1.531	0.153	-59.149	-53.013	-48.467	-5.915	-5.301	-4.847	-0.104	9383
1802	463492.416	6645485.134	9/09/2005	55.836	140.6202477	-30.32188607	13:01:32	3380.699	0.073	979332.254	9793322.54	9793492.078	2.772	0.277	-59.693	-53.376	-48.697	-5.969	-5.338	-4.87	-0.104	9383
1803	462988.255	6645461.361	9/09/2005	51.329	140.6150027	-30.32208527	13:08:39	3381.955	0.077	979333.517	9793335.17	9793492.234	1.337	0.134	-56.086	-50.28	-45.978	-5.609	-5.028	-4.598	-0.104	9383
1804	462496.059	6645478.212	9/09/2005	54.42	140.6098835	-30.32191804	13:17:36	3381.256	0.082	979332.823	9793328.23	9793492.103	4.067	0.407	-56.814	-50.657	-46.097	-5.681	-5.066	-4.61	-0.104	9383
1805	461969.041	6645501.449	9/09/2005	49.506	140.6044024	-30.32169188	13:38:37	3382.286	0.092	979333.869	9793338.69	9793491.925	-0.459	-0.046	-55.843	-50.242	-46.094	-5.584	-5.024	-4.609	-0.104	9383
1806	461502.047	6645501.526	9/09/2005	46.973	140.5995449	-30.32167641	13:46:55	3382.779	0.096	979334.367	9793343.67	9793491.913	-3.284	-0.328	-55.834	-50.52	-46.584	-5.583	-5.052	-4.658	-0.104	9383
1807	461017.271	6645456.368	9/09/2005	48.553	140.5945007	-30.32206838	13:53:06	3382.219	0.098	979333.81	9793338.1	9793492.221	-4.287	-0.429	-58.604	-53.111	-49.043	-5.86	-5.311	-4.904	-0.104	9383
2003	464002.132	6636993.639	15/09/2005	51.454	140.6252577	-30.39852794	9:21:24	3396.873	0.014	979340.161	9793401.61	9793552.453	7.944	0.794	-49.619	-43.798	-39.486	-4.962	-4.38	-3.949	-0.134	9383
2003	464002.519	6636993.878	15/09/2005	51.364	140.6252617	-30.39852579	13:42:25	3396.876	-0.046	979340.164	9793401.64	9793552.451	7.698	0.77	-49.764	-43.954	-39.649	-4.976	-4.395	-3.965	-0.134	9383
2003	464003.661	6636993.4	15/09/2005	51.284	140.6252736	-30.39853014	9:22:01	2877.75	0.014	979340.248	9793402.48	9793552.455	8.288	0.829	-49.085	-43.284	-38.986	-4.909	-4.328	-3.899	0.11	G711.
2003	464003.639	6636993.407	15/09/2005	51.284	140.6252734	-30.39853008	13:40:01	2877.85	-0.045	979340.242	9793402.42	9793552.455	8.228	0.823	-49.145	-43.343	-39.046	-4.915	-4.334	-3.905	0.11	G711.
2004	464504.904	6636985.157	15/09/2005	54.399	140.6304912	-30.39861939	9:51:29	3396.334	0.021	979339.635	9793396.35	9793552.525	11.7	1.17	-49.158	-43.003	-38.445	-4.916	-4.3	-3.844	-0.134	9383
2005	464490.027	6637528.859	15/09/2005	57.31	140.6303548	-30.39371265	10:00:36	3394.969	0.022	979338.271	9793382.71	9793548.657	10.912	1.091	-53.203	-46.719	-41.917	-5.32	-4.672	-4.192	-0.134	9383
2006	464491.268	6637990.096	15/09/2005	55.159	140.6303834	-30.38955054	10:13:29	3394.915	0.023	979338.221	9793382.21	9793545.376	7.054	0.705	-54.654	-48.413	-43.791	-5.465	-4.841	-4.379	-0.134	9383
2007	464481.874	6638523.911	15/09/2005	58.108	140.6303038	-30.38473317	10:22:28	3393.325	0.024	979336.63	9793366.3	9793541.579	4.042	0.404	-60.965	-54.391	-49.522	-6.097	-5.439	-4.952	-0.134	9383
2008	464508.364	6639005.924	15/09/2005	56.664	140.6305959	-30.38038432	10:31:38	3393.053	0.024	979336.36	9793363.6	9793538.152	0.313	0.031	-63.079	-56.668	-51.92	-6.308	-5.667	-5.192	-0.134	9383
2009	464496.212	6639515.161	15/09/2005	60.158	140.6304867	-30.37578866	10:43:32	3391.511	0.023	979334.817	9793348.17	9793534.53	-0.713	-0.071	-68.013	-61.208	-56.166	-6.801	-6.121	-5.617	-0.134	9383
2010	464490.656	6639970.425	15/09/2005	59.004	140.6304443	-30.37168023	10:50:29	3391.307	0.022	979334.613	9793346.13	9793531.293	-3.077	-0.308	-69.086	-62.411	-57.467	-6.909	-6.241	-5.747	-0.134	9383
2011	464471.375	6640511.801	15/09/2005	61.191	140.630262	-30.36679433	11:01:33	3390.295	0.021	979333.6	9793336	9793527.443	-2.608	-0.261	-71.064	-64.142	-59.014	-7.106	-6.414	-5.901	-0.134	9383
2012	464507.807	6641011.727	15/09/2005	60.057	140.6306581	-30.36228411	11:11:01	3390.129	0.019	979333.434	9793334.34	9793523.89	-4.214	-0.421	-71.402	-64.608	-59.575	-7.14	-6.461	-5.957	-0.134	9383
2013	464488.543	6641509.5	15/09/2005	55.682	140.6304745	-30.35779168	11:20:35	3390.812	0.017	979334.119	9793341.19	9793520.351	-7.327	-0.733	-69.62	-63.32	-58.654	-6.962	-6.332	-5.865	-0.134	9383
2013	464488.496	6641509.596	15/09/2005	55.676	140.630474	-30.35779081	13:16:02	3390.836	-0.033	979334.12	9793341.2	9793520.351	-7.334	-0.733	-69.621	-63.322	-58.657	-6.962	-6.332	-5.866	-0.134	9383
2014	464499.578	6642005.538	15/09/2005	56.446	140.6306062	-30.35331579	11:30:24	3390.287	0.014	979333.592	9793335.92	9793516.826	-6.713	-0.671	-69.861	-63.475	-58.745	-6.986	-6.348	-5.875	-0.134	9383
2015	464499.286	6642507.456	15/09/2005	55.491	140.6306201	-30.3487865	11:41:00	3390.312	0.01	979333.616	9793336.16	9793513.258	-5.853	-0.585	-67.932	-61.655	-57.005	-6.793	-6.165	-5.7	-0.134	9383
2015	464499.09	6642507.333	15/09/2005	55.485	140.6306181	-30.34878761	12:02:57	3390.308	0.002	979333.609	9793336.09	9793513.259	-5.942	-0.594	-68.015	-61.738	-57.089	-6.802	-6.174	-5.709	-0.134	9383
2016	464518.171	6643004.911	15/09/2005	53.7	140.6308335	-30.34429805	11:52:42	3390.464	0.006	979333.767	9793337.67	9793509.723	-6.335	-0.634	-66.411	-60.336	-55.836	-6.641	-6.034	-5.584	-0.134	9383
2017	464505.567	6643493.008	15/09/2005	58.903	140.6307189	-30.33989312	12:15:43	3389.08	-0.003	979332.737	9793323.77	9793506.255	-0.71	-0.071	-66.607	-59.943	-55.007	-6.661	-5.994	-5.501	-0.134	9383
2018	464480.613	6644029.179	15/09/2005	58.673	140.6304774	-30.335054	12:26:24	3388.972	-0.008	979332.266	9793322.66	9793502.444	1.281	0.128	-64.359	-57.721	-52.804	-6.436	-5.772	-5.28	-0.134	9383
2019	464501.035	6644503.631	15/09/2005	57.468	140.630706	-30.33077316	12:36:14	3389.077	-0.013	979332.369	9793323.69	9793499.074	1.962	0.196	-62.329	-55.827	-51.012	-6.233	-5.583	-5.101	-0.134	9383
2020	464505.158	6644985.519	15/09/2005	58.763	140.6307652	-30.32642474	12:46:23	3388.534	-0.018	979331.822	9793318.22	9793495.65	3.912	0.391	-61.828	-55.18	-50.256	-6.183	-5.518	-5.026	-0.134	9383
2020	464504.936	6644984.792	15/09/2005	58.735	140.6307628	-30.32643129	12:57:01	2869.61	-0.023	979331.889	9793318.89	9793495.656	4.491	0.449	-61.218	-54.573	-49.651	-6.122	-5.457	-4.965	0.11	G711.
5300	460491.686	6637007.817	7/09/2005	53.686	140.5887148	-30.39829004	10:35:25	3382.887	0.012	979337.098	9793370.98	9793552.265	-15.61	-1.561	-75.671	-69.597	-65.098	-7.567	-6.96	-6.51	-0.11	9383
5301	461012.495	6636992.771	7/09/2005	55.147	140.5941358	-30.39844278	10:47:49	3382.95	0.022	979337.174	9793371.74	9793552.386	-10.462	-1.046	-72.157	-65.918	-61.297	-7.216	-6.592	-6.13	-0.11	9383
5302	460983.631	6637537.817	7/09/2005	56.335	140.5938557	-30.39352343	11:01:11	3382.272	0.032	979336.507	9793365.07	9793548.508	-9.588	-0.959	-72.612	-66.239	-61.518	-7.261	-6.624	-6.152	-0.11	9383
5303	460522.137	6637494.587	7/09/2005	50.638	140.5890502	-30.39388951	11:12:42	3383.248	0.041	979337.496	9793374.96	9793548.804	-17.575	-1.757	-74.225	-68.496	-64.253	-7.422	-6.85	-6.425	-0.11	9383
5304	460497.652	6637962.757	7/09/2005	51.858	140.588813	-30.38967302	11:24:55	3382.742	0.05	979337.001	9793370.01	9793545.473	-15.429	-1.543	-73.444	-67.577	-63.232	-7.344	-6.758	-6.323	-0.11	9383
5305	460974.716	6638019.34	7/09/2005	57.913	140.5937808	-30.38917796	11:38:39	3381.616	0.06	979335.885	9793358.85	9793545.083	-7.513	-0.751	-72.302	-65.75	-60.897	-7.23	-6.575	-6.09	-0.11	9383
5305	460974.791	6638019.363	7/09/2005	57.946	140.5937816	-30.38917775	13:17:49	3381.553	0.107	979335.889	9793358.89	9793545.082	-7.371	-0.737	-72.197	-65.642	-60.786	-7.22	-6.564	-6.079	-0.11	9383
5306	461004.974	6638527.893	7/09/2005	56.319	140.5941148	-30.38458983	11:50:14	3381.713	0.068	979335.993	9793359.93	9793541.466	-7.736	-0.774	-70.742	-64.37	-59.651	-7.074	-6.437	-5.965	-0.11	9383
5307	460517.322	6638530.32	7/09/2005	52.731	140.5890392	-30.38454665	12:04:29	3382.277	0.077	979336.569	9793365.69	9793541.432	-13.014	-1.301	-72.006	-66.041	-61.622	-7.201	-6.604	-6.162	-0.11	9383
5308	460999.963	6639027.351	7/09/2005	52.813	140.5940812	-30.38008263	12:27:15	3382.343	0.089	979336.652	9793366.52	9793537.914	-8.413	-0.841	-67.497	-61.522	-57.096	-6.75	-6.152	-5.71	-0.11	9383
5309	461001.42	6639503.506	7/09/2005	53.162	140.5941142	-30.37578592	12:34:19	3381.														

AREA 1 GRAVITY DATA

station	mga_easting	mga_northing	date	ahd_m	gda94_longitude e_dd	gda94_latitude dd	time_hhmmss	dialrdng_mgal s	etc_mgal s	obsrg84_mgals	obsrg84_gu	gt_gu	fag_gu	fag_mgals	bg267_gu	bg240_gu	bg220_gu	bg267_mgal s	bg240_mgals	bg220_mgals	closure_mg als	metersn
5321	462486.42	6638490.069	8/09/2005	52.29	140.6095329	-30.38497814	10:12:01	2872.7	-0.022	979337.139	9793371.39	9793541.772	-9.015	-0.902	-67.514	-61.598	-57.216	-6.751	-6.16	-5.722	-0.003	G711
5322	462489.249	6638987.845	8/09/2005	54.174	140.6095802	-30.38048636	10:21:01	2871.92	-0.015	979336.352	9793363.52	9793538.232	-7.531	-0.753	-68.137	-62.009	-57.469	-6.814	-6.201	-5.747	-0.003	G711
5323	462502.791	6639508.694	8/09/2005	51.299	140.6097399	-30.3757867	10:29:01	2872.26	-0.01	979336.703	9793367.03	9793534.529	-9.19	-0.919	-66.58	-60.776	-56.478	-6.658	-6.078	-5.648	-0.003	G711
5324	462517.66	6639988.532	8/09/2005	53.856	140.6099118	-30.37145716	10:39:01	2871.25	-0.003	979335.683	9793356.83	9793531.117	-8.088	-0.809	-68.338	-62.245	-57.732	-6.834	-6.225	-5.773	-0.003	G711
5325	462495.452	6640496.514	8/09/2005	51.669	140.6096989	-30.3668725	10:47:01	2871.5	0.003	979335.944	9793359.44	9793527.505	-8.615	-0.861	-66.418	-60.573	-56.243	-6.642	-6.057	-5.624	-0.003	G711
5325	462495.498	6640496.613	8/09/2005	51.782	140.6096994	-30.3668716	13:16:01	2871.43	0.1	979335.971	9793359.71	9793527.504	-7.995	-0.8	-65.925	-60.067	-55.728	-6.593	-6.007	-5.573	-0.003	G711
5326	462530.001	6640987.821	8/09/2005	50.423	140.610076	-30.36244006	10:58:01	2871.28	0.012	979335.728	9793357.28	9793524.013	-11.128	-1.113	-67.537	-61.833	-57.608	-6.754	-6.183	-5.761	-0.003	G711
5327	462500.835	6641504.616	8/09/2005	51.728	140.609791	-30.35777565	11:06:01	2870.47	0.018	979334.91	9793349.1	9793520.339	-11.606	-1.161	-69.476	-63.624	-59.289	-6.948	-6.362	-5.929	-0.003	G711
5328	462500.93	6641997.584	8/09/2005	49.823	140.6098097	-30.35332715	11:16:01	2870.77	0.025	979335.223	9793352.23	9793516.835	-10.851	-1.085	-66.589	-60.953	-56.778	-6.659	-6.095	-5.678	-0.003	G711
5329	462490.78	6642501.2	8/09/2005	53.296	140.6097221	-30.34878225	11:24:01	2869.53	0.031	979333.968	9793339.68	9793513.255	-9.103	-0.91	-68.727	-62.698	-58.232	-6.873	-6.27	-5.823	-0.003	G711
5330	462504.646	6643010.418	8/09/2005	48.571	140.6098846	-30.34418753	11:33:01	2870.5	0.038	979334.961	9793349.61	9793509.636	-10.136	-1.014	-64.474	-58.979	-54.909	-6.447	-5.898	-5.491	-0.003	G711
5331	462501.025	6643498.019	8/09/2005	49.386	140.6098644	-30.33978735	12:16:17	3381.715	0.068	979334.667	9793346.67	9793506.171	-7.096	-0.71	-62.346	-56.759	-52.62	-6.235	-5.676	-5.262	-0.13	9383
5331	462501.323	6643500.15	8/09/2005	49.459	140.6098675	-30.33976812	11:43:01	2870.24	0.045	979334.704	9793347.04	9793506.156	-6.486	-0.649	-61.817	-56.222	-52.077	-6.182	-5.622	-5.208	-0.003	G711
5332	462019.937	6643485.853	8/09/2005	48.696	140.6048588	-30.3398821	11:54:01	2870.3	0.053	979334.773	9793347.73	9793506.246	-8.24	-0.824	-62.718	-57.209	-53.128	-6.272	-5.721	-5.313	-0.003	G711
5332	462019.853	6643485.585	9/09/2005	48.791	140.6048579	-30.33988452	11:36:01	2870.57	0.017	979334.768	9793347.68	9793506.248	-7.999	-0.8	-62.583	-57.063	-52.974	-6.258	-5.706	-5.297	-0.039	G711
5333	461996.416	6643008.717	8/09/2005	48.475	140.6045968	-30.344187	12:07:01	2870.52	0.062	979335.006	9793350.66	9793509.636	-9.982	-0.988	-64.213	-58.729	-54.666	-6.421	-5.873	-5.467	-0.003	G711
5334	461992.596	6642503.443	8/09/2005	47.532	140.6045387	-30.34874643	12:14:01	2870.9	0.067	979335.397	9793353.97	9793513.227	-12.573	-1.257	-65.748	-60.371	-56.388	-6.575	-6.037	-5.639	-0.003	G711
5335	461989.424	6642006.134	8/09/2005	50.183	140.6044877	-30.35323401	12:26:01	2870.45	0.074	979334.947	9793349.47	9793516.761	-12.426	-1.243	-68.568	-62.891	-58.685	-6.857	-6.289	-5.869	-0.003	G711
5336	462013.57	6641506.856	8/09/2005	50.821	140.6047208	-30.3577402	12:34:01	2870.57	0.079	979335.074	9793350.74	9793520.311	-12.737	-1.274	-69.592	-63.843	-59.584	-6.959	-6.384	-5.958	-0.003	G711
5337	462001.534	6641001.072	8/09/2005	48.152	140.6045772	-30.36230397	12:46:01	2871.75	0.086	979336.282	9793362.82	9793523.906	-12.489	-1.249	-66.358	-60.91	-56.875	-6.636	-6.091	-5.688	-0.003	G711
5338	462008.986	6640452.905	8/09/2005	50.448	140.6046349	-30.3672508	12:55:01	2871.65	0.091	979336.185	9793361.85	9793527.803	-10.271	-1.027	-66.708	-61.001	-56.774	-6.671	-6.1	-5.677	-0.003	G711
5339	462005.058	6639977.2	8/09/2005	49.8	140.6045767	-30.37154339	13:03:01	2872.1	0.094	979336.646	9793366.46	9793531.185	-11.042	-1.104	-66.755	-61.121	-56.948	-6.676	-6.112	-5.695	-0.003	G711
5340	462010.035	6639515.913	8/09/2005	50.314	140.6046118	-30.37570614	13:24:01	2872.46	0.103	979337.021	9793370.21	9793534.465	-8.986	-0.899	-65.274	-59.582	-55.366	-6.527	-5.958	-5.537	-0.003	G711
5341	461991.445	6638960.107	8/09/2005	52.167	140.6043981	-30.38072108	13:32:01	2872.56	0.106	979337.126	9793371.26	9793538.417	-6.17	-0.617	-64.531	-58.629	-54.258	-6.453	-5.863	-5.426	-0.003	G711
5342	461984.89	6638490.929	8/09/2005	53.666	140.6043128	-30.38495467	13:40:01	2872.45	0.108	979337.016	9793370.16	9793541.754	-5.981	-0.598	-66.018	-59.947	-55.45	-6.602	-5.995	-5.545	-0.003	G711
5343	461998.921	6638019.888	8/09/2005	54.493	140.6044417	-30.38920573	13:47:01	2872.42	0.11	979336.988	9793369.88	9793545.104	-7.059	-0.706	-68.022	-61.857	-57.291	-6.802	-6.186	-5.729	-0.003	G711
5344	462003.244	6637462.785	8/09/2005	54.024	140.6044665	-30.39423308	13:54:01	2873.01	0.111	979337.589	9793375.89	9793549.067	-6.459	-0.646	-66.897	-60.786	-56.259	-6.69	-6.079	-5.626	-0.003	G711
5345	462009.387	6636998.233	8/09/2005	54.333	140.6045135	-30.39842532	14:02:01	2873.33	0.113	979337.916	9793379.16	9793552.372	-5.54	-0.554	-66.324	-60.178	-55.625	-6.632	-6.018	-5.562	-0.003	G711
5346	460997.227	6640474.857	9/09/2005	52.663	140.5941067	-30.36702044	10:19:39	3384.163	-0.032	979335.593	9793355.93	9793527.622	-9.174	-0.917	-68.089	-62.131	-57.718	-6.809	-6.213	-5.772	-0.104	9383
5346	460997.112	6640474.958	9/09/2005	52.561	140.5941055	-30.36701952	14:31:52	3383.996	0.11	979335.608	9793356.08	9793527.621	-9.338	-0.934	-68.139	-62.193	-57.788	-6.814	-6.219	-5.779	-0.104	9383
5347	461493.886	6640488.517	9/09/2005	48.385	140.5992757	-30.36691312	10:31:01	2872.44	-0.026	979336.618	9793366.18	9793527.537	-12.041	-1.204	-66.171	-60.697	-56.642	-6.617	-6.07	-5.664	-0.039	G711
5348	461505.679	6641001.602	9/09/2005	49.322	140.5994173	-30.36228347	10:41:01	2871.75	-0.02	979335.924	9793359.24	9793523.89	-12.442	-1.244	-67.62	-62.04	-57.907	-6.762	-6.204	-5.791	-0.039	G711
5349	461498.917	6641545.134	9/09/2005	53.669	140.599367	-30.35737848	10:52:01	2870.34	-0.013	979334.498	9793344.98	9793520.026	-9.423	-0.942	-69.464	-63.393	-58.895	-6.946	-6.339	-5.89	-0.039	G711
5350	461498.203	6642001.437	9/09/2005	48.609	140.5993763	-30.35326083	11:00:01	2871.04	-0.008	979335.216	9793352.16	9793516.782	-14.615	-1.461	-68.995	-63.496	-59.423	-6.9	-6.35	-5.942	-0.039	G711
5351	461511.09	6642512.339	9/09/2005	46.039	140.5995292	-30.34865091	11:09:01	2871.47	-0.002	979335.661	9793356.61	9793513.151	-14.465	-1.447	-65.97	-60.762	-56.904	-6.597	-6.076	-5.69	-0.039	G711
5352	461489.14	6643002.981	9/09/2005	48.291	140.5993188	-30.3442227	11:16:01	2870.78	0.003	979334.965	9793349.65	9793509.664	-10.988	-1.099	-65.013	-59.549	-55.503	-6.501	-5.955	-5.55	-0.039	G711
5352	461488.506	6643003.097	9/09/2005	48.206	140.5993122	-30.34422163	14:20:01	2870.65	0.107	979334.962	9793349.62	9793509.663	-11.28	-1.128	-65.209	-59.755	-55.716	-6.521	-5.976	-5.572	-0.039	G711
5353	461494.036	6643546.258	9/09/2005	52.512	140.5993897	-30.33932037	11:26:01	2869.46	0.01	979333.63	9793336.3	9793505.804	-7.452	-0.745	-66.198	-60.258	-55.857	-6.62	-6.026	-5.586	-0.039	G711
5354	462002.237	6643998.757	9/09/2005	52.2	140.6046933	-30.33525314	11:48:01	2869.47	0.025	979333.659	9793336.59	9793502.601	-4.922	-0.492	-63.32	-57.414	-53.04	-6.332	-5.741	-5.304	-0.039	G711
5355	462502.399	6643964.915	9/09/2005	52.51	140.6098954	-30.33557415	11:58:01	2869.59	0.032	979333.789	9793337.89	9793502.854	-2.918	-0.292	-61.662	-55.722	-51.322	-6.166	-5.572	-5.132	-0.039	G711
5356	463007.163	6644038.188	9/09/2005	51.896	140.6151491	-30.33492849	12:10:01	2869.6	0.04	979333.809	9793338.09	9793502.345	-4.104	-0.41	-62.162	-56.291	-51.942	-6.216	-5.629	-5.194	-0.039	G711
5357	462995.653	6643505.623	9/09/2005	53.706	140.6150106	-30.33973398	12:18:01	2869.4	0.046	979333.612	9793336.12	9793506.129	-4.273	-0.427	-64.355	-58.279	-53.779	-6.436	-5.828	-5.378	-0.039	G711
5358	463010.716	6643028.9	9/09/2005	50.128	140.6151505	-30.34403636	12:26:01	2870.24	0.051	979334.473	9793344.73	9793509.517	-10.092	-1.009								

AREA 1 GRAVITY DATA

station	mga_easting	mga_northing	date	ahd_m	gda94_longitud e_dd	gda94_latitude_ dd	time_hhmmss	dialrdng_mgal s	etc_mgal s	obs84_mgals	obs84_gu	gt_gu	fag_gu	fag_mgals	bg267_gu	bg240_gu	bg220_gu	bg267_mgal s	bg240_mgals	bg220_mgals	closure_mg als	metersn
5551	463996.833	6639003.584	15/09/2005	57.382	140.6252717	-30.38039027	10:08:01	2873.68	0.023	979336.108	9793361.08	9793538.157	0.004	0	-64.191	-57.699	-52.891	-6.419	-5.77	-5.289	0.11	G711.
5552	463996.603	6639526.462	15/09/2005	61.425	140.6252874	-30.37567187	10:17:01	2872.3	0.024	979334.703	9793347.03	9793534.438	2.149	0.215	-66.569	-59.62	-54.472	-6.657	-5.962	-5.447	0.11	G711.
5553	463982.117	6640025.749	15/09/2005	60.785	140.6251538	-30.37116592	10:26:01	2871.86	0.024	979334.254	9793342.54	9793530.888	-0.765	-0.077	-68.767	-61.891	-56.797	-6.877	-6.189	-5.68	0.11	G711.
5554	464006.141	6640503.234	15/09/2005	60.24	140.6254202	-30.36685786	10:36:01	2871.5	0.024	979333.885	9793338.85	9793527.494	-2.743	-0.274	-70.135	-63.32	-58.272	-7.014	-6.332	-5.827	0.11	G711.
5555	463993.694	6640992.238	15/09/2005	56.22	140.6253075	-30.36244475	10:47:01	2872.07	0.023	979334.462	9793344.62	9793524.017	-5.902	-0.59	-68.797	-62.437	-57.725	-6.88	-6.244	-5.773	0.11	G711.
5556	463977.543	6641540.685	15/09/2005	57.812	140.6251583	-30.35749513	10:58:01	2871.27	0.021	979333.645	9793336.45	9793520.118	-5.26	-0.526	-69.936	-63.396	-58.551	-6.994	-6.34	-5.855	0.11	G711.
5556	463977.451	6641540.565	15/09/2005	57.761	140.6251574	-30.35749621	13:17:01	2871.43	-0.033	979333.727	9793337.27	9793520.118	-4.598	-0.46	-69.217	-62.683	-57.842	-6.922	-6.268	-5.784	0.11	G711.
5557	464000.376	6641988.305	15/09/2005	55.551	140.6254113	-30.35345652	11:07:01	2871.51	0.02	979333.886	9793338.86	9793516.936	-6.646	-0.665	-68.793	-62.508	-57.853	-6.879	-6.251	-5.785	0.11	G711.
5558	463988.544	6642556.48	15/09/2005	52.773	140.6253077	-30.34832899	11:29:01	2871.79	0.014	979334.161	9793341.61	9793512.898	-8.43	-0.843	-67.469	-61.499	-57.077	-6.747	-6.15	-5.708	0.11	G711.
5559	463994.93	6643013.848	15/09/2005	56.762	140.6253899	-30.34420192	11:39:01	2870.72	0.011	979333.067	9793330.67	9793509.648	-3.81	-0.381	-67.312	-60.89	-56.133	-6.731	-6.089	-5.613	0.11	G711.
5560	463992.556	6643508.736	15/09/2005	52.991	140.6253822	-30.33973601	11:50:01	2871.42	0.007	979333.774	9793337.74	9793506.131	-4.861	-0.486	-64.143	-58.148	-53.708	-6.414	-5.815	-5.371	0.11	G711.
5561	463967.537	6644043.59	15/09/2005	59.542	140.6251403	-30.33490877	12:02:01	2869.86	0.003	979332.18	9793321.8	9793502.33	3.217	0.322	-63.395	-56.659	-51.669	-6.339	-5.666	-5.167	0.11	G711.
5562	464003.907	6644528.395	15/09/2005	57.818	140.6255353	-30.33053499	12:10:01	2870.03	-0.001	979332.348	9793323.48	9793498.886	3.02	0.302	-61.663	-55.122	-50.277	-6.166	-5.512	-5.028	0.11	G711.
5563	464004.016	6644987.23	15/09/2005	56.131	140.6255522	-30.32639448	12:21:01	2870.17	-0.006	979332.483	9793324.83	9793495.627	2.424	0.242	-60.372	-54.022	-49.318	-6.037	-5.402	-4.932	0.11	G711.
5564	463997.434	6645510.026	15/09/2005	56.07	140.6255017	-30.32167659	12:31:01	2869.99	-0.01	979332.294	9793322.94	9793491.913	4.059	0.406	-58.668	-52.325	-47.626	-5.867	-5.232	-4.763	0.11	G711.
5565	464514.639	6645477.172	15/09/2005	59.241	140.6308804	-30.32198835	12:41:01	2869.3	-0.015	979331.585	9793315.85	9793492.158	6.51	0.651	-59.765	-53.063	-48.099	-5.977	-5.306	-4.81	0.11	G711.

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
1808	447999.7	6624997	10/09/2005	35.609	140.4581	-30.5062	8:51:36	3390.344	-0.065	979340.3	9793403	9793637	-124.115	-12.411	-163.952	-159.923	-156.939	-16.395	-15.992	-15.694	-0.114	9383	
1808	447999.7	6624997	10/09/2005	35.609	140.4581	-30.5062	15:40:55	3390.122	0.108	979340.4	9793404	9793637	-123.825	-12.382	-163.662	-159.633	-156.649	-16.366	-15.963	-15.665	-0.114	9383	
1808	448000.5	6624998	10/09/2005	35.503	140.4581	-30.50619	8:53:01	2876.31	-0.065	979340.3	9793403	9793637	-124.613	-12.461	-164.331	-160.315	-157.34	-16.433	-16.031	-15.734	0.221	G711	
1808	448000.5	6624998	10/09/2005	35.555	140.4581	-30.50619	15:38:01	2876.25	0.108	979340.3	9793403	9793637	-124.802	-12.48	-164.579	-160.556	-157.577	-16.458	-16.056	-15.758	0.221	G711	
1808	447999.8	6624997	11/09/2005	35.47	140.4581	-30.5062	8:15:00	3391.722	-0.055	979340.4	9793404	9793637	-124.424	-12.442	-164.105	-160.092	-157.12	-16.411	-16.009	-15.712	-0.115	9383	
1808	447999.9	6624997	11/09/2005	35.498	140.4581	-30.5062	15:36:41	3391.504	0.084	979340.4	9793404	9793637	-124.287	-12.429	-164	-159.984	-157.009	-16.4	-15.998	-15.701	-0.115	9383	
1808	448000.7	6624998	11/09/2005	35.498	140.4581	-30.50618	14:05:01	2876.7	0.041	979340.3	9793403	9793637	-124.457	-12.446	-164.17	-160.154	-157.179	-16.417	-16.015	-15.718	0.108	G711.	
1808	447999.9	6624997	12/09/2005	35.506	140.4581	-30.5062	8:08:30	3393.086	-0.042	979340.4	9793404	9793637	-124.313	-12.431	-164.035	-160.018	-157.042	-16.403	-16.002	-15.704	-0.119	9383	
1808	447999.9	6624997	12/09/2005	35.505	140.4581	-30.5062	15:25:56	3392.92	0.039	979340.4	9793404	9793637	-124.316	-12.432	-164.036	-160.02	-157.044	-16.404	-16.002	-15.704	-0.119	9383	
1808	448000.5	6624998	12/09/2005	35.426	140.4581	-30.50619	8:10:01	2877.17	-0.042	979340.4	9793404	9793637	-124.341	-12.434	-163.973	-159.966	-156.997	-16.397	-15.997	-15.7	0.233	G711.	
1808	448000.5	6624998	12/09/2005	35.464	140.4581	-30.50619	15:28:01	2877.23	0.04	979340.4	9793404	9793637	-124.434	-12.443	-164.109	-160.097	-157.125	-16.411	-16.01	-15.712	0.233	G711.	
1808	447999.9	6624997	13/09/2005	35.526	140.4581	-30.5062	8:16:03	3394.425	-0.029	979340.3	9793403	9793637	-124.321	-12.432	-164.065	-160.046	-157.069	-16.406	-16.005	-15.707	-0.13	9383	
1808	447999.9	6624997	13/09/2005	35.512	140.4581	-30.5062	15:47:59	3394.31	0.002	979340.4	9793404	9793637	-124.255	-12.425	-163.983	-159.965	-156.989	-16.398	-15.997	-15.699	-0.13	9383	
1808	447999.9	6624997	14/09/2005	35.458	140.4581	-30.5062	8:21:57	3395.772	-0.017	979340.4	9793404	9793637	-124.481	-12.448	-164.149	-160.138	-157.166	-16.415	-16.014	-15.717	-0.135	9383	
1808	447999.9	6624997	14/09/2005	35.512	140.4581	-30.5062	14:22:44	3395.749	-0.059	979340.4	9793404	9793637	-124.175	-12.417	-163.903	-159.886	-156.91	-16.39	-15.989	-15.691	-0.135	9383	
1808	447999.9	6624997	14/09/2005	35.413	140.4581	-30.5062	15:48:42	3395.719	-0.045	979340.4	9793404	9793637	-124.45	-12.445	-164.068	-160.062	-157.094	-16.407	-16.006	-15.709	-0.135	9383	
1808	448000.6	6624998	14/09/2005	35.456	140.4581	-30.50619	8:20:01	2877.69	-0.017	979340.4	9793404	9793637	-124.358	-12.436	-164.024	-160.013	-157.041	-16.402	-16.001	-15.704	0.145	G711.	
1808	448000.5	6624998	14/09/2005	35.438	140.4581	-30.50619	14:15:01	2877.8	-0.059	979340.4	9793404	9793637	-124.544	-12.454	-164.19	-160.181	-157.211	-16.419	-16.018	-15.721	0.145	G711.	
1808	447999.8	6624997	15/09/2005	35.577	140.4581	-30.5062	8:14:21	3397.102	-0.014	979340.3	9793403	9793637	-124.164	-12.416	-163.965	-159.94	-156.959	-16.396	-15.994	-15.696	-0.134	9383	
1808	447999.9	6624997	15/09/2005	35.48	140.4581	-30.5062	15:06:41	3397.077	-0.076	979340.4	9793404	9793637	-124.373	-12.437	-164.066	-160.052	-157.078	-16.407	-16.005	-15.708	-0.134	9383	
1808	448000.7	6624998	15/09/2005	35.416	140.4581	-30.50619	8:16:01	2877.89	-0.013	979340.4	9793404	9793637	-124.361	-12.436	-163.982	-159.975	-157.007	-16.398	-15.998	-15.701	0.11	G711.	
1808	448000.7	6624998	15/09/2005	35.456	140.4581	-30.50619	15:09:01	2878.09	-0.076	979340.4	9793404	9793637	-123.619	-12.362	-163.285	-159.274	-156.303	-16.328	-15.927	-15.63	0.11	G711.	
1809	445996.6	6625498	11/09/2005	28.559	140.4372	-30.50158	8:46:13	3391.688	-0.057	979340.3	9793403	9793634	-142.406	-14.241	-174.356	-171.125	-168.732	-17.436	-17.113	-16.873	-0.115	9383	
1810	445981.3	6626003	11/09/2005	31.034	140.4371	-30.49703	8:54:20	3391.158	-0.057	979339.8	9793398	9793630	-136.469	-13.647	-171.188	-167.677	-165.076	-17.119	-16.768	-16.508	-0.115	9383	
1811	445991	6626505	11/09/2005	34.655	140.4372	-30.4925	9:03:35	3390.406	-0.057	979339.9	9793399	9793627	-129.226	-12.923	-167.996	-164.075	-161.171	-16.8	-16.408	-16.117	-0.115	9383	
1812	445975.7	6626993	11/09/2005	29.959	140.4371	-30.48809	9:10:36	3391.734	-0.057	979340.4	9793404	9793623	-126.931	-12.693	-160.447	-157.058	-154.548	-16.045	-15.706	-15.455	-0.115	9383	
1813	445995.5	6627493	11/09/2005	28.87	140.4373	-30.48358	9:19:10	3392.275	-0.057	979340.9	9793409	9793620	-121.288	-12.129	-153.586	-150.32	-147.901	-15.359	-15.032	-14.79	-0.115	9383	
1814	445994.5	6628001	10/09/2005	33.745	140.4373	-30.479	10:00:47	3390.197	-0.052	979340.2	9793402	9793616	-109.59	-10.959	-147.342	-143.524	-140.696	-14.734	-14.352	-14.07	-0.114	9383	
1814	445994.5	6628001	10/09/2005	33.745	140.4373	-30.479	14:56:52	3390.014	0.098	979340.2	9793402	9793616	-109.36	-10.936	-147.112	-143.294	-140.466	-14.711	-14.329	-14.047	-0.114	9383	
1814	445994.4	6628001	10/09/2005	33.714	140.4373	-30.479	10:44:01	2876.15	-0.035	979340.2	9793402	9793616	-110.385	-11.038	-148.101	-144.287	-141.462	-14.81	-14.429	-14.146	0.221	G711	
1814	445994.5	6628001	11/09/2005	33.617	140.4373	-30.479	9:25:48	3391.585	-0.057	979340.2	9793402	9793616	-109.915	-10.992	-147.524	-143.721	-140.903	-14.752	-14.372	-14.09	-0.115	9383	
1815	446018.6	6628496	11/09/2005	32.093	140.4376	-30.47454	9:33:08	3392.505	-0.056	979341.2	9793412	9793612	-101.859	-10.186	-137.763	-134.132	-131.443	-13.776	-13.413	-13.144	-0.115	9383	
1816	446000.9	6629027	11/09/2005	30.36	140.4375	-30.46974	9:40:02	3393.379	-0.056	979342	9793420	9793609	-94.645	-9.464	-128.609	-125.175	-122.631	-12.861	-12.517	-12.263	-0.115	9383	
1817	445998.5	6629514	11/09/2005	28.441	140.4375	-30.46535	9:48:26	3394.238	-0.055	979342.9	9793429	9793605	-88.467	-8.847	-120.284	-117.067	-114.683	-12.028	-11.707	-11.468	-0.115	9383	
1818	445986.6	6630019	11/09/2005	31.222	140.4374	-30.46079	9:55:30	3393.862	-0.054	979342.5	9793425	9793602	-80.038	-8.004	-114.967	-111.434	-108.818	-11.497	-11.143	-10.882	-0.115	9383	
1819	445996.5	6630510	11/09/2005	39.302	140.4375	-30.45636	10:04:34	3392.277	-0.053	979340.9	9793409	9793598	-67.457	-6.746	-111.426	-106.979	-103.686	-11.143	-10.698	-10.369	-0.115	9383	
1820	445976.4	6631000	11/09/2005	37.97	140.4373	-30.45194	10:13:00	3392.482	-0.052	979341.1	9793411	9793595	-65.996	-6.6	-108.474	-104.178	-100.997	-10.847	-10.418	-10.1	-0.115	9383	
1821	445991.2	6631512	11/09/2005	36.48	140.4375	-30.44732	10:21:30	3392.675	-0.05	979341.3	9793413	9793591	-64.978	-6.498	-105.789	-101.662	-98.605	-10.579	-10.166	-9.86	-0.115	9383	
1822	446007.2	6632015	10/09/2005	37.341	140.4377	-30.44278	11:06:27	3390.784	-0.024	979340.9	9793409	9793587	-63.619	-6.362	-105.393	-101.169	-98.04	-10.539	-10.117	-9.804	-0.114	9383	
1822	446007.1	6632016	10/09/2005	37.376	140.4377	-30.44278	13:41:34	3390.687	0.065	979340.9	9793409	9793587	-63.289	-6.329	-105.103	-100.875	-97.743	-10.51	-10.087	-9.774	-0.114	9383	
1822	446007.1	6632015	10/09/2005	37.391	140.4377	-30.44278	12:21:01	2876.79	0.018	979340.8	9793408	9793587	-63.754	-6.375	-105.584	-101.354	-98.221	-10.558	-10.135	-9.822	0.221	G711	
1822	446007	6632015	11/09/2005	37.256	140.4377	-30.44278	10:29:13	3392.193	-0.049	979340.9	9793409	9793587	-63.8	-6.38	-105.48	-101.265	-98.143	-10.548	-10.126	-9.814	-0.115	9383	
1823	445983.5	6632460	10/09/2005	39.857	140.4375	-30.43877	11:30:46	3389.671	-0.011	979339.8	9793398	9793584	-63.658	-6.366	-108.247	-103.738	-100.398	-10.825	-10.374	-10.04	-0.114	9383	
1824	445989	6633029	10/09/2005	42.974	140.4375	-30.43363	11:42:28	3388.229	-0.005	979338.3	9793383	9793580	-64.347	-6.435	-112.424	-107.562	-103.961	-11.242	-10.756	-10.396	-0.114	9383	
1825	446007.4	6633476	10/09/2005	46.622	140.4378	-30.4296	11:48:14	3386.726	-0.0														

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gltude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
1832	445501.1	6634512	10/09/2005	46.758	140.4325	-30.42023	12:52:05	3384.663	0.037	979334.8	9793348	9793570	-77.28	-7.728	-129.59	-124.3	-120.382	-12.959	-12.43	-12.038	-0.114	9383	
1833	445488.5	6633994	10/09/2005	48.052	140.4324	-30.4249	13:00:38	3385.072	0.042	979335.2	9793352	9793573	-72.798	-7.28	-126.556	-121.12	-117.093	-12.656	-12.112	-11.709	-0.114	9383	
1834	445528.4	6633487	10/09/2005	46.875	140.4328	-30.42948	13:07:38	3386.017	0.046	979336.2	9793362	9793577	-70.526	-7.053	-122.966	-117.663	-113.735	-12.297	-11.766	-11.374	-0.114	9383	
1835	445483.1	6632983	10/09/2005	43.078	140.4323	-30.43402	13:18:00	3387.432	0.052	979337.6	9793376	9793580	-71.577	-7.158	-119.769	-114.896	-111.286	-11.977	-11.49	-11.129	-0.114	9383	
1836	445493.5	6632507	10/09/2005	40.187	140.4324	-30.43831	13:25:44	3388.657	0.057	979338.8	9793388	9793584	-71.544	-7.154	-116.503	-111.956	-108.589	-11.65	-11.196	-10.859	-0.114	9383	
1837	445484.7	6632019	10/09/2005	37.901	140.4322	-30.44272	13:32:29	3389.567	0.061	979339.7	9793397	9793587	-72.916	-7.292	-115.317	-111.029	-107.853	-11.532	-11.103	-10.785	-0.114	9383	
1838	445503.1	6631552	10/09/2005	37.094	140.4324	-30.44694	13:52:48	3390.148	0.071	979340.3	9793403	9793591	-72.763	-7.276	-114.261	-110.064	-106.956	-11.426	-11.006	-10.696	-0.114	9383	
1839	445487.2	6630994	10/09/2005	37.963	140.4322	-30.45197	14:00:22	3390.021	0.075	979340.2	9793402	9793595	-75.272	-7.527	-117.742	-113.448	-110.266	-11.774	-11.345	-11.027	-0.114	9383	
1840	445502.2	6630458	10/09/2005	39.188	140.4323	-30.45681	14:09:36	3389.744	0.08	979339.9	9793399	9793598	-78.023	-7.802	-121.863	-117.43	-114.146	-12.186	-11.743	-11.415	-0.114	9383	
1841	445486.7	6630002	10/09/2005	33.33	140.4322	-30.46092	14:18:04	3390.867	0.083	979341.1	9793411	9793602	-88.043	-8.804	-125.33	-121.559	-118.766	-12.533	-12.156	-11.877	-0.114	9383	
1842	445475.9	6629501	10/09/2005	30.021	140.432	-30.46544	14:25:30	3391.255	0.087	979341.5	9793415	9793605	-97.887	-9.789	-131.472	-128.076	-125.56	-13.147	-12.808	-12.556	-0.114	9383	
1843	445497.9	6629003	10/09/2005	24.107	140.4322	-30.46994	14:33:31	3392.361	0.09	979342.6	9793426	9793609	-108.568	-10.857	-135.537	-132.81	-130.79	-13.554	-13.281	-13.079	-0.114	9383	
1844	445495.2	6628464	10/09/2005	24.534	140.4322	-30.4748	14:39:46	3391.88	0.092	979342.1	9793421	9793613	-115.864	-11.586	-143.311	-140.536	-138.48	-14.331	-14.054	-13.848	-0.114	9383	
1845	445501.5	6627998	10/09/2005	31.021	140.4322	-30.47901	14:46:11	3389.954	0.095	979340.2	9793402	9793616	-118.428	-11.843	-153.132	-149.622	-147.023	-15.313	-14.962	-14.702	-0.114	9383	
1846	445498.8	6627499	10/09/2005	26.393	140.4321	-30.48351	15:05:11	3390.777	0.101	979341	9793410	9793620	-127.924	-12.792	-157.45	-154.464	-152.253	-15.745	-15.446	-15.225	-0.114	9383	
1847	445493.7	6627002	10/09/2005	23.276	140.4321	-30.48799	15:12:42	3391.36	0.103	979341.6	9793416	9793623	-135.206	-13.521	-161.245	-158.612	-156.661	-16.125	-15.861	-15.666	-0.114	9383	
1848	445498.8	6626498	10/09/2005	22.496	140.4321	-30.49254	15:19:50	3391.403	0.104	979341.6	9793416	9793627	-140.743	-14.074	-165.91	-163.365	-161.479	-16.591	-16.336	-16.148	-0.114	9383	
1849	446492.2	6632499	11/09/2005	39.82	140.4428	-30.43844	10:41:26	3391.959	-0.046	979340.6	9793406	9793584	-54.754	-5.475	-99.302	-94.797	-91.46	-9.93	-9.48	-9.146	-0.115	9383	
1850	447006.2	6632513	11/09/2005	39.781	140.4481	-30.43833	10:48:04	3392.847	-0.044	979341.5	9793415	9793584	-45.872	-4.587	-90.376	-85.876	-82.542	-9.038	-8.588	-8.254	-0.115	9383	
1851	447505.2	6632500	11/09/2005	40.259	140.4533	-30.43847	10:54:45	3393.496	-0.042	979342.2	9793422	9793584	-37.974	-3.797	-83.013	-78.458	-75.084	-8.301	-7.846	-7.508	-0.115	9383	
1851	447505	6632500	11/09/2005	40.272	140.4533	-30.43847	15:02:12	3393.337	0.069	979342.2	9793422	9793584	-37.933	-3.793	-82.986	-78.43	-75.056	-8.299	-7.843	-7.506	-0.115	9383	
1851	447505.1	6632500	11/09/2005	40.23	140.4533	-30.43847	11:29:01	2878.51	-0.032	979342.1	9793421	9793584	-38.324	-3.832	-83.33	-78.779	-75.408	-8.333	-7.878	-7.541	0.108	G711.	
1852	447512.2	6633041	11/09/2005	41.23	140.4534	-30.43359	11:07:12	3392.586	-0.039	979341.3	9793413	9793580	-40.181	-4.018	-86.307	-81.642	-78.187	-8.631	-8.164	-7.819	-0.115	9383	
1853	447024.3	6632995	11/09/2005	44.053	140.4483	-30.43398	11:19:12	3391.25	-0.035	979339.9	9793399	9793580	-45.104	-4.51	-94.388	-89.404	-85.712	-9.439	-8.94	-8.571	-0.115	9383	
1854	446500.9	6633001	11/09/2005	42.867	140.4429	-30.4339	11:26:26	3390.594	-0.033	979339.3	9793393	9793580	-55.234	-5.523	-103.191	-98.341	-94.749	-9.834	-9.475	-9.115	-0.115	9383	
1855	446478.9	6633527	11/09/2005	46.59	140.4427	-30.42916	11:34:27	3388.823	-0.03	979337.5	9793375	9793577	-57.705	-5.77	-109.827	-104.556	-100.652	-10.983	-10.456	-10.065	-0.115	9383	
1856	447010.9	6633501	11/09/2005	41.416	140.4482	-30.42942	11:42:30	3390.947	-0.027	979339.6	9793396	9793577	-52.552	-5.255	-98.885	-94.2	-90.729	-9.889	-9.42	-9.073	-0.115	9383	
1857	446994	6633975	11/09/2005	43.465	140.4481	-30.42514	11:51:38	3389.385	-0.023	979338.1	9793381	9793573	-58.447	-5.845	-107.073	-102.155	-98.513	-10.707	-10.216	-9.851	-0.115	9383	
1857	446994	6633975	11/09/2005	43.522	140.4481	-30.42514	14:22:33	3389.277	0.05	979338.1	9793381	9793573	-58.341	-5.834	-107.03	-102.106	-98.459	-10.703	-10.211	-9.846	-0.115	9383	
1858	446481	6634010	11/09/2005	48.595	140.4427	-30.4248	12:01:11	3387.491	-0.02	979336.2	9793362	9793573	-61.265	-6.126	-115.629	-110.132	-106.06	-11.563	-11.013	-10.606	-0.115	9383	
1859	446487.2	6634477	11/09/2005	49.593	140.4428	-30.42059	12:13:29	3386.306	-0.014	979335	9793350	9793570	-66.666	-6.667	-122.148	-116.537	-112.381	-12.215	-11.654	-11.238	-0.115	9383	
1860	446998.2	6634469	11/09/2005	45.849	140.4481	-30.42068	12:31:01	3387.758	-0.006	979336.5	9793365	9793570	-63.632	-6.363	-114.925	-109.738	-105.896	-11.492	-10.974	-10.59	-0.115	9383	
1861	446992.9	6635011	11/09/2005	49.133	140.4481	-30.41579	12:44:04	3385.951	0	979334.7	9793347	9793566	-67.659	-6.766	-122.626	-117.068	-112.95	-12.263	-11.707	-11.295	-0.115	9383	
1862	446493.4	6635004	11/09/2005	46.652	140.4429	-30.41583	12:50:13	3386.153	0.003	979334.9	9793349	9793566	-73.277	-7.328	-125.468	-120.19	-116.28	-12.547	-12.019	-11.628	-0.115	9383	
1863	446506.1	6635485	11/09/2005	49.79	140.4431	-30.4115	12:58:55	3384.854	0.007	979333.6	9793336	9793563	-73.135	-7.314	-128.837	-123.204	-119.032	-12.884	-12.32	-11.903	-0.115	9383	
1864	447002.1	6635494	11/09/2005	46.317	140.4482	-30.41143	13:05:34	3385.919	0.01	979334.7	9793347	9793563	-73.084	-7.308	-124.901	-119.661	-115.779	-12.49	-11.966	-11.578	-0.115	9383	
1865	447499.7	6635501	11/09/2005	50.134	140.4534	-30.41139	13:12:42	3385.324	0.014	979334.1	9793341	9793563	-67.181	-6.718	-123.268	-117.596	-113.395	-12.327	-11.76	-11.339	-0.115	9383	
1866	448012.8	6635508	11/09/2005	45.918	140.4587	-30.41135	13:21:14	3386.822	0.018	979335.6	9793356	9793563	-65.09	-6.509	-116.459	-111.265	-107.417	-11.646	-11.126	-10.742	-0.115	9383	
1867	448005.4	6634953	11/09/2005	45.095	140.4586	-30.41635	13:32:56	3387.816	0.024	979336.6	9793366	9793567	-61.536	-6.154	-111.985	-106.884	-103.105	-11.199	-10.688	-10.31	-0.115	9383	
1868	447500.2	6635003	11/09/2005	46.03	140.4534	-30.41589	13:39:58	3387.028	0.028	979335.8	9793358	9793566	-66.132	-6.613	-117.627	-112.42	-108.563	-11.763	-11.242	-10.856	-0.115	9383	
1869	447496.3	6634501	11/09/2005	45.407	140.4533	-30.42042	13:47:34	3388.209	0.032	979337	9793370	9793570	-59.737	-5.974	-110.535	-105.398	-101.593	-11.053	-10.54	-10.159	-0.115	9383	
1870	447981	6634504	11/09/2005	47.086	140.4584	-30.42041	13:54:03	3388.174	0.035	979337	9793370	9793570	-54.861	-5.486	-107.538	-102.211	-98.265	-10.754	-10.221	-9.827	-0.115	9383	
1871	447989.9	6634001	11/09/2005	44.003	140.4584	-30.42495	14:05:21	3390.118	0.041	979338.9	9793389	9793573	-48.396	-4.84	-97.623	-92.645	-88.958	-9.762	-9.265	-8.896	-0.115	9383	
1872	447501.8	6634009	11/09/2005	42.731	140.4533	-30.42485	14:13:24	3389.961	0.045	979338.8	9793388	9793573	-53.763	-5.376	-101.568	-96.734	-93.153	-10.157	-9.673	-9.315	-0.115	9383	
1873	447500.9	6633500	11/09/2005	40.979	140.4533	-30.42945	14:31:04	3391.668	0.054	979340.5	9793405	9793577	-45.568	-4.557	-91.413	-86.777							

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
1881	448996.1	6627502	12/09/2005	39.125	140.4686	-30.48364	9:08:18	3396.496	-0.045	979343.8	9793438	9793620	-61.066	-6.107	-104.836	-100.41	-97.131	-10.484	-10.041	-9.713	-0.119	9383	
1882	449007.6	6628013	12/09/2005	38.826	140.4687	-30.47902	9:15:05	3397.063	-0.045	979344.3	9793443	9793616	-52.656	-5.266	-96.092	-91.699	-88.446	-9.609	-9.17	-8.845	-0.119	9383	
1883	448999.8	6628501	12/09/2005	36.831	140.4687	-30.47462	9:22:33	3398.092	-0.045	979345.4	9793454	9793612	-45.015	-4.501	-86.219	-82.052	-78.966	-8.622	-8.205	-7.897	-0.119	9383	
1884	449002.2	6629002	12/09/2005	36.488	140.4687	-30.4701	9:30:48	3398.431	-0.045	979345.7	9793457	9793609	-39.097	-3.91	-79.917	-75.789	-72.732	-7.992	-7.579	-7.273	-0.119	9383	
1885	448997.2	6629499	12/09/2005	37.692	140.4687	-30.46561	9:39:08	3398.109	-0.045	979345.4	9793454	9793605	-35.048	-3.505	-77.215	-72.951	-69.792	-7.722	-7.295	-6.979	-0.119	9383	
1886	448991.7	6630005	12/09/2005	39.01	140.4687	-30.46105	9:46:53	3397.77	-0.046	979345.1	9793451	9793602	-30.754	-3.075	-74.396	-69.983	-66.714	-7.44	-6.998	-6.671	-0.119	9383	
1886	448991.8	6630005	12/09/2005	39.004	140.4687	-30.46105	13:58:10	3397.673	-0.003	979345.1	9793451	9793602	-30.833	-3.083	-74.468	-70.056	-66.787	-7.447	-7.006	-6.679	-0.119	9383	
1886	448991.7	6630006	12/09/2005	38.983	140.4687	-30.46104	10:04:01	2881.83	-0.046	979345.1	9793451	9793602	-30.777	-3.078	-74.388	-69.978	-66.711	-7.439	-6.998	-6.671	0.233	G711.	
1887	448988.9	6630490	12/09/2005	41.358	140.4687	-30.45667	9:55:04	3397.116	-0.046	979344.4	9793444	9793598	-26.596	-2.66	-72.864	-68.185	-64.72	-7.286	-6.819	-6.472	-0.119	9383	
1888	448982.4	6630995	12/09/2005	42.031	140.4686	-30.45212	10:05:06	3396.84	-0.046	979344.1	9793441	9793595	-23.676	-2.368	-70.698	-65.943	-62.42	-7.07	-6.594	-6.242	-0.119	9383	
1889	448997.5	6631491	12/09/2005	41.147	140.4688	-30.44764	10:13:33	3396.712	-0.046	979344	9793440	9793591	-24.129	-2.413	-70.162	-65.507	-62.059	-7.016	-6.551	-6.206	-0.119	9383	
1890	449001	6632027	12/09/2005	40.153	140.4689	-30.44281	10:22:26	3396.512	-0.046	979343.8	9793438	9793587	-25.373	-2.537	-70.294	-65.751	-62.386	-7.029	-6.575	-6.239	-0.119	9383	
1891	449000.5	6632507	12/09/2005	40.195	140.4689	-30.43847	10:28:45	3395.839	-0.046	979343.1	9793431	9793584	-28.555	-2.855	-73.522	-68.975	-65.606	-7.352	-6.897	-6.561	-0.119	9383	
1892	448989.5	6633000	12/09/2005	44.395	140.4688	-30.43402	10:37:13	3394.006	-0.045	979341.3	9793413	9793580	-30.419	-3.042	-80.085	-75.063	-71.343	-8.009	-7.506	-7.134	-0.119	9383	
1893	449006.9	6633531	12/09/2005	50.819	140.469	-30.42923	10:44:48	3391.663	-0.045	979339	9793390	9793577	-30.28	-3.028	-87.132	-81.383	-77.125	-8.713	-8.138	-7.712	-0.119	9383	
1894	449003.6	6634001	12/09/2005	45.008	140.469	-30.42499	10:57:53	3391.938	-0.044	979339.2	9793392	9793573	-42.075	-4.207	-92.427	-87.335	-83.563	-9.243	-8.733	-8.356	-0.119	9383	
1894	449003.6	6634001	12/09/2005	45.065	140.469	-30.42499	12:20:31	3391.917	-0.034	979339.2	9793392	9793573	-41.839	-4.184	-92.255	-87.156	-83.38	-9.225	-8.716	-8.338	-0.119	9383	
1895	448993.3	6634511	12/09/2005	44.727	140.4689	-30.42039	11:07:26	3390.877	-0.044	979338.2	9793382	9793570	-49.923	-4.992	-99.961	-94.901	-91.153	-9.996	-9.49	-9.115	-0.119	9383	
1896	448997.6	6635005	12/09/2005	41.628	140.469	-30.41593	11:15:42	3390.963	-0.043	979338.3	9793383	9793566	-55.081	-5.508	-101.652	-96.943	-93.454	-10.165	-9.694	-9.345	-0.119	9383	
1897	449002	6635501	12/09/2005	42.02	140.469	-30.41146	11:26:14	3390.148	-0.042	979337.4	9793374	9793563	-58.483	-5.848	-105.492	-100.738	-97.217	-10.549	-10.074	-9.722	-0.119	9383	
1897	449002	6635501	12/09/2005	41.983	140.469	-30.41146	12:07:01	2874.45	-0.036	979337.5	9793375	9793563	-57.837	-5.784	-104.805	-100.055	-96.537	-10.48	-10.006	-9.654	0.233	G711.	
1898	448500.2	6635501	12/09/2005	41.946	140.4638	-30.41143	11:35:49	3389.699	-0.041	979337	9793370	9793563	-63.162	-6.316	-110.088	-105.343	-101.828	-11.009	-10.534	-10.183	-0.119	9383	
1899	448500	6635003	12/09/2005	41.807	140.4638	-30.41593	11:42:41	3390.387	-0.04	979337.7	9793377	9793566	-60.214	-6.021	-106.985	-102.256	-98.752	-10.699	-10.226	-9.875	-0.119	9383	
1900	448502.7	6634500	12/09/2005	39.69	140.4638	-30.42047	11:55:55	3391.673	-0.038	979339	9793390	9793570	-57.398	-5.74	-101.801	-97.311	-93.985	-10.18	-9.731	-9.398	-0.119	9383	
1901	448492.3	6634006	12/09/2005	42.592	140.4637	-30.42493	12:13:01	3392.13	-0.035	979339.5	9793395	9793573	-47.321	-4.732	-94.97	-90.151	-86.582	-9.497	-9.015	-8.658	-0.119	9383	
1902	448503	6633483	12/09/2005	46.968	140.4637	-30.42964	12:34:22	3392.264	-0.031	979339.6	9793396	9793577	-36.107	-3.611	-88.651	-83.338	-79.402	-8.865	-8.334	-7.94	-0.119	9383	
1903	448497.5	6633001	12/09/2005	43.966	140.4637	-30.434	12:43:29	3393.955	-0.028	979341.3	9793413	9793580	-31.855	-3.186	-81.03	-76.057	-72.374	-8.103	-7.606	-7.237	-0.119	9383	
1904	448499.1	6632505	12/09/2005	42.149	140.4637	-30.43847	12:53:19	3395.15	-0.026	979342.5	9793425	9793584	-28.939	-2.894	-76.092	-71.324	-67.792	-7.609	-7.132	-6.779	-0.119	9383	
1905	448518	6631995	12/09/2005	41.077	140.4638	-30.44307	13:01:36	3395.969	-0.023	979343.3	9793433	9793588	-27.632	-2.763	-73.586	-68.939	-65.497	-7.359	-6.894	-6.55	-0.119	9383	
1906	448504.8	6631500	12/09/2005	40.835	140.4637	-30.44754	13:23:39	3396.182	-0.016	979343.5	9793435	9793591	-29.66	-2.966	-75.343	-70.724	-67.302	-7.534	-7.072	-6.73	-0.119	9383	
1907	448489.5	6630996	12/09/2005	40.414	140.4635	-30.45208	13:31:03	3396.51	-0.014	979343.9	9793439	9793595	-31.218	-3.122	-76.431	-71.859	-68.472	-7.643	-7.186	-6.847	-0.119	9383	
1908	448481.2	6630525	12/09/2005	43.662	140.4634	-30.45634	13:39:45	3395.822	-0.01	979343.2	9793432	9793598	-31.394	-3.139	-80.24	-75.3	-71.641	-8.024	-7.53	-7.164	-0.119	9383	
1909	448499.2	6630005	12/09/2005	38.9	140.4635	-30.46103	13:47:29	3397.145	-0.007	979344.5	9793445	9793602	-36.489	-3.649	-80.007	-75.606	-72.347	-8.001	-7.561	-7.235	-0.119	9383	
1910	448485.3	6629493	12/09/2005	43.422	140.4634	-30.46565	14:06:21	3396.208	0	979343.6	9793436	9793605	-35.461	-3.546	-84.039	-79.127	-75.488	-8.404	-7.913	-7.549	-0.119	9383	
1911	448495.8	6629002	12/09/2005	37.908	140.4634	-30.47008	14:14:08	3397.503	0.004	979344.9	9793449	9793609	-42.945	-4.295	-85.354	-81.066	-77.889	-8.535	-8.107	-7.789	-0.119	9383	
1912	448501.8	6628501	12/09/2005	34.303	140.4635	-30.4746	14:21:09	3398.027	0.007	979345.4	9793454	9793612	-52.35	-5.235	-90.725	-86.845	-83.97	-9.073	-8.684	-8.397	-0.119	9383	
1913	448502.2	6627984	12/09/2005	38.581	140.4635	-30.47927	14:28:41	3396.281	0.01	979343.7	9793437	9793616	-60.275	-6.028	-103.437	-99.072	-95.839	-10.344	-9.907	-9.584	-0.119	9383	
1914	448496.3	6627482	12/09/2005	39.317	140.4634	-30.48379	14:36:40	3395.56	0.014	979343	9793430	9793620	-68.747	-6.875	-112.732	-108.284	-104.99	-11.273	-10.828	-10.499	-0.119	9383	
1915	448498.6	6626978	12/09/2005	39.559	140.4634	-30.48835	14:47:07	3394.923	0.019	979342.3	9793423	9793623	-77.905	-7.791	-122.161	-117.686	-114.371	-12.216	-11.769	-11.437	-0.119	9383	
1916	448497.8	6626496	12/09/2005	37.62	140.4633	-30.49269	14:53:50	3394.724	0.022	979342.1	9793421	9793627	-89.269	-8.927	-131.355	-127.1	-123.947	-13.136	-12.71	-12.395	-0.119	9383	
1917	448502.7	6625994	12/09/2005	41.982	140.4634	-30.49722	15:01:19	3392.989	0.026	979340.4	9793404	9793630	-96.716	-9.672	-143.682	-138.933	-135.415	-14.368	-13.893	-13.541	-0.119	9383	
1918	448486.9	6625512	12/09/2005	40.94	140.4632	-30.50157	15:09:11	3392.668	0.03	979340.1	9793401	9793634	-106.527	-10.653	-152.328	-147.696	-144.265	-15.233	-14.77	-14.427	-0.119	9383	
1919	448495.2	6624986	12/09/2005	37.245	140.4632	-30.50632	15:17:03	3393.173	0.034	979340.6	9793406	9793638	-116.573	-11.657	-158.24	-154.026	-150.905	-15.824	-15.403	-15.09	-0.119	9383	
1919	448495.2	6624986	13/09/2005	37.19	140.4632	-30.50632	15:51:01	2877.74	0.003	979340.6	9793406	9793638	-117.042	-11.704	-158.648	-154.44	-151.324	-15.865	-15.444	-15.132	0.098	G711.	
1920	445004.4	6626509	13/09/2005	28.59	140.4269	-30.49242	8:54:52	3394.055	-0.027	979340	9793400	9793627	-138.441	-13.844	-170.426	-167.192	-164.796	-17.043	-16.719	-16.48	-0.13	9383	
1921	444993.6	6627007	13/09/2005	30.008																			

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
1927	445000.7	6629993	13/09/2005	34.449	140.4271	-30.46098	14:45:20	3393.998	-0.026	979340	9793400	9793602	-95.358	-9.536	-133.897	-130	-127.113	-13.39	-13	-12.711	-0.13	9383	
1928	444974.4	6630477	13/09/2005	45.552	140.4268	-30.45661	10:01:10	3391.504	-0.029	979337.4	9793374	9793598	-83.267	-8.327	-134.227	-129.074	-125.257	-13.423	-12.907	-12.526	-0.13	9383	
1929	445002.2	6631001	13/09/2005	36.224	140.4272	-30.45188	10:09:44	3393.784	-0.029	979339.7	9793397	9793595	-85.471	-8.547	-125.996	-121.898	-118.862	-12.6	-12.19	-11.886	-0.13	9383	
1930	444994.8	6631500	13/09/2005	37.994	140.4271	-30.44738	10:21:07	3393.319	-0.03	979339.3	9793393	9793591	-81.098	-8.11	-123.603	-119.305	-116.121	-12.36	-11.93	-11.612	-0.13	9383	
1931	444988.7	6631972	13/09/2005	40.143	140.4271	-30.44313	10:32:08	3392.562	-0.031	979338.5	9793385	9793585	-78.677	-7.868	-123.586	-119.045	-115.681	-12.359	-11.904	-11.568	-0.13	9383	
1932	444977	6632524	13/09/2005	42.919	140.427	-30.43814	10:39:14	3391.495	-0.032	979337.4	9793374	9793584	-76.853	-7.685	-124.868	-120.013	-116.416	-12.487	-12.001	-11.642	-0.13	9383	
1933	445003	6632978	13/09/2005	50.607	140.4273	-30.43405	10:47:11	3389.276	-0.033	979335.2	9793352	9793580	-72.133	-7.213	-128.748	-123.023	-118.782	-12.875	-12.302	-11.878	-0.13	9383	
1934	444994.6	6633491	13/09/2005	50.135	140.4272	-30.42941	10:57:05	3388.871	-0.034	979334.8	9793348	9793577	-73.973	-7.397	-130.06	-124.389	-120.187	-13.006	-12.439	-12.019	-0.13	9383	
1935	444977.9	6634010	13/09/2005	46.071	140.4271	-30.42474	11:06:18	3389.193	-0.035	979335.1	9793351	9793573	-79.595	-7.959	-131.136	-125.924	-122.063	-13.114	-12.592	-12.206	-0.13	9383	
1936	445000.1	6634501	13/09/2005	47.845	140.4273	-30.4203	11:15:59	3388.276	-0.036	979334.2	9793342	9793570	-79.802	-7.98	-133.327	-127.915	-123.905	-13.333	-12.791	-12.391	-0.13	9383	
1937	444994.2	6635024	13/09/2005	47.204	140.4273	-30.41558	11:24:16	3387.932	-0.037	979333.9	9793339	9793566	-81.501	-8.15	-134.309	-128.969	-125.013	-13.431	-12.897	-12.501	-0.13	9383	
1937	444994.3	6635024	13/09/2005	47.227	140.4273	-30.41558	13:19:26	3387.92	-0.043	979333.9	9793339	9793566	-81.36	-8.136	-134.194	-128.851	-124.894	-13.419	-12.885	-12.489	-0.13	9383	
1938	445007.7	6635496	13/09/2005	47.691	140.4275	-30.41133	11:44:17	3387.437	-0.04	979333.4	9793334	9793563	-81.58	-8.158	-134.933	-129.538	-125.541	-13.493	-12.954	-12.554	-0.13	9383	
1939	444511.7	6635510	13/09/2005	43.529	140.4223	-30.41117	11:50:51	3388.171	-0.04	979334.1	9793341	9793562	-86.933	-8.693	-135.63	-130.705	-127.058	-13.563	-13.071	-12.706	-0.13	9383	
1940	443988.1	6635488	13/09/2005	43.516	140.4168	-30.41135	11:58:23	3388.096	-0.041	979334	9793340	9793563	-87.86	-8.786	-136.542	-131.619	-127.973	-13.654	-13.162	-12.797	-0.13	9383	
1941	443494.8	6635502	13/09/2005	39.412	140.4117	-30.4112	12:09:56	3388.87	-0.042	979334.8	9793348	9793562	-92.64	-9.264	-136.732	-132.273	-128.97	-13.673	-13.227	-12.897	-0.13	9383	
1942	442999.2	6635492	13/09/2005	40.04	140.4065	-30.41127	12:17:41	3388.49	-0.042	979334.4	9793344	9793563	-94.547	-9.455	-139.341	-134.812	-131.456	-13.934	-13.481	-13.146	-0.13	9383	
1943	442499	6635503	13/09/2005	39.349	140.4013	-30.41114	12:24:50	3388.383	-0.043	979334.3	9793343	9793562	-97.648	-9.765	-141.669	-137.218	-133.92	-14.167	-13.722	-13.392	-0.13	9383	
1944	442496.5	6634967	13/09/2005	38.301	140.4013	-30.41598	12:33:12	3388.96	-0.043	979334.9	9793349	9793566	-98.897	-9.89	-141.745	-137.412	-134.202	-14.175	-13.741	-13.42	-0.13	9383	
1944	442496.8	6634967	14/09/2005	38.243	140.4013	-30.41598	11:54:01	2872.4	-0.025	979334.9	9793349	9793566	-98.955	-9.896	-141.739	-137.412	-134.208	-14.174	-13.741	-13.421	0.145	G711.	
1945	442496.8	6635025	13/09/2005	41.442	140.4062	-30.41548	12:50:13	3388.445	-0.044	979334.4	9793344	9793566	-93.937	-9.394	-140.299	-135.611	-132.138	-14.03	-13.561	-13.214	-0.13	9383	
1946	443498.2	6634987	13/09/2005	41.769	140.4117	-30.41585	12:58:08	3388.678	-0.044	979334.6	9793346	9793566	-90.873	-9.087	-137.601	-132.876	-129.376	-13.76	-13.288	-12.938	-0.13	9383	
1947	444008.5	6634980	13/09/2005	46.151	140.417	-30.41594	13:05:13	3387.832	-0.043	979333.8	9793338	9793566	-85.878	-8.588	-137.508	-132.287	-128.42	-13.751	-13.229	-12.842	-0.13	9383	
1948	444515.8	6635014	13/09/2005	43.374	140.4223	-30.41565	13:11:53	3388.675	-0.043	979334.6	9793346	9793566	-85.752	-8.575	-134.276	-129.369	-125.734	-13.428	-12.937	-12.573	-0.13	9383	
1949	444514	6634496	13/09/2005	43.566	140.4223	-30.42033	13:28:36	3389.009	-0.042	9793335	9793335	9793570	-85.459	-8.546	-134.197	-129.269	-125.618	-13.42	-12.927	-12.562	-0.13	9383	
1949	444514.1	6634496	14/09/2005	43.468	140.4223	-30.42033	11:15:55	3390.372	-0.015	9793335	9793335	9793570	-85.681	-8.568	-134.31	-129.933	-125.75	-13.431	-12.939	-12.575	-0.135	9383	
1950	444490.4	6633998	13/09/2005	46.568	140.422	-30.42482	13:37:01	3388.77	-0.041	979334.7	9793347	9793573	-82.107	-8.211	-134.204	-128.936	-125.033	-13.42	-12.894	-12.503	-0.13	9383	
1951	444471.2	6633517	13/09/2005	50.042	140.4218	-30.42916	13:46:02	3388.37	-0.04	979334.3	9793343	9793577	-78.786	-7.879	-134.77	-129.109	-124.915	-13.477	-12.911	-12.492	-0.13	9383	
1952	444481.1	6632982	13/09/2005	44.5	140.4218	-30.43399	13:53:53	3390.158	-0.039	979336.1	9793361	9793580	-81.751	-8.175	-131.535	-126.5	-122.771	-13.153	-12.65	-12.277	-0.13	9383	
1953	444535.2	6632519	13/09/2005	42.114	140.4224	-30.43817	14:01:22	3391.263	-0.037	979337.2	9793372	9793584	-81.312	-8.131	-128.426	-123.661	-120.132	-12.843	-12.366	-12.013	-0.13	9383	
1954	444502	6631996	13/09/2005	41.253	140.422	-30.44288	14:09:01	3391.716	-0.036	979337.7	9793377	9793587	-83.118	-8.312	-129.269	-124.603	-121.146	-12.927	-12.46	-12.115	-0.13	9383	
1955	444491.5	6631493	13/09/2005	36.321	140.4219	-30.44742	14:16:58	3393.117	-0.034	979339.1	9793391	9793591	-87.851	-8.785	-128.485	-124.376	-121.332	-12.848	-12.438	-12.133	-0.13	9383	
1956	444513	6630987	13/09/2005	36.599	140.4221	-30.45199	14:23:47	3393.093	-0.032	979339.1	9793391	9793595	-90.81	-9.081	-131.754	-127.614	-124.547	-13.175	-12.761	-12.455	-0.13	9383	
1957	444500.1	6630478	13/09/2005	39.874	140.4219	-30.45658	14:30:57	3392.238	-0.03	979338.2	9793382	9793598	-92.857	-9.286	-137.465	-132.954	-129.612	-13.746	-13.295	-12.961	-0.13	9383	
1958	444509.2	6629964	13/09/2005	38.232	140.422	-30.46122	14:38:53	3392.457	-0.028	979338.5	9793385	9793602	-99.353	-9.935	-142.124	-137.799	-134.595	-14.212	-13.78	-13.46	-0.13	9383	
1959	444503	6629530	13/09/2005	38.438	140.4219	-30.46514	14:54:02	3392.229	-0.023	979338.2	9793382	9793605	-104.012	-10.401	-147.013	-142.665	-139.444	-14.701	-14.266	-13.944	-0.13	9383	
1960	444498.5	6628992	13/09/2005	32.52	140.4218	-30.46999	15:00:25	3393.407	-0.02	979339.4	9793394	9793609	-114.261	-11.426	-150.642	-146.963	-144.237	-15.064	-14.696	-14.424	-0.13	9383	
1961	444507.5	6628505	13/09/2005	29.282	140.4219	-30.47439	15:05:55	3393.99	-0.018	979340	9793400	9793612	-121.848	-12.185	-154.606	-151.294	-148.84	-15.461	-15.129	-14.884	-0.13	9383	
1962	444484.8	6627980	13/09/2005	27.507	140.4216	-30.47912	15:11:56	3394.141	-0.016	979340.2	9793402	9793616	-129.515	-12.951	-160.288	-157.176	-154.871	-16.029	-15.718	-15.487	-0.13	9383	
1963	444500.3	6627503	13/09/2005	23.331	140.4217	-30.48341	15:17:43	3394.993	-0.013	979341	9793410	9793619	-137.218	-13.722	-162.319	-160.68	-158.725	-16.332	-16.068	-15.872	-0.13	9383	
1964	444515.9	6626993	13/09/2005	20.356	140.4219	-30.48803	15:25:43	3395.638	-0.009	979341.7	9793417	9793623	-143.524	-14.352	-166.297	-163.994	-162.288	-16.63	-16.399	-16.229	-0.13	9383	
1965	443500.8	6628012	14/09/2005	36.449	140.4114	-30.47879	8:57:15	3393.122	-0.009	979337.7	9793377	9793616	-126.174	-12.617	-166.951	-162.827	-159.773	-16.695	-16.283	-15.977	-0.135	9383	
1965	443500.8	6628012	14/09/2005	36.406	140.4114	-30.47879	13:47:52	3393.118	-0.056	979337.7	9793377	9793616	-126.167	-12.617	-166.895	-162.777	-159.726	-16.69	-16.278	-15.973	-0.135	9383	
1966	443496.6	6628499	14/09/2005	35.621	140.4113	-30.47439	9:08:04	3393.455	-0.007	979338.1	9793381	9793612	-121.881	-12.188	-161.731	-157.701	-154.716	-16.173	-15.77	-15.472	-0.135	9383	
1967	443512.8	6628983	14/09/2005	40.178	140.4115	-30.47003	9:15:52	3392.403	-0.006	979337	9793370	9793609	-114.88	-11.488</									

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
1974	443516.2	6632519	14/09/2005	40.319	140.4118	-30.43812	10:22:17	3391.95	-0.006	979336.6	9793366	9793584	-93.65	-9.365	-138.756	-134.195	-130.816	-13.876	-13.42	-13.082	-0.135	9383	
1975	443495	6633019	14/09/2005	39.743	140.4116	-30.4336	10:33:20	3391.679	-0.007	979336.3	9793363	9793580	-94.567	-9.457	-139.029	-134.533	-131.202	-13.903	-13.453	-13.12	-0.135	9383	
1976	443513.5	6633518	14/09/2005	38.533	140.4118	-30.4291	10:40:15	3391.608	-0.008	979336.2	9793362	9793577	-95.461	-9.546	-138.569	-134.21	-130.981	-13.857	-13.421	-13.098	-0.135	9383	
1977	443501.1	6633997	14/09/2005	40.285	140.4117	-30.42478	10:46:45	3390.869	-0.009	979335.5	9793355	9793573	-94.048	-9.405	-139.116	-134.559	-131.183	-13.912	-13.456	-13.118	-0.135	9383	
1978	443511.7	6634498	14/09/2005	39.437	140.4118	-30.42026	10:55:04	3390.859	-0.011	979335.5	9793355	9793570	-93.185	-9.319	-137.304	-132.843	-129.538	-13.73	-13.284	-12.954	-0.135	9383	
1978	443511.7	6634499	14/09/2005	39.486	140.4118	-30.42026	11:28:01	2872.97	-0.018	979335.5	9793355	9793570	-92.563	-9.256	-136.737	-132.27	-128.961	-13.674	-13.227	-12.896	0.145	G711.	
1979	444015.7	6634499	14/09/2005	44.184	140.4171	-30.42027	11:07:50	3389.944	-0.013	979334.6	9793346	9793570	-87.718	-8.772	-137.148	-132.15	-128.447	-13.715	-13.215	-12.845	-0.135	9383	
1980	443988.4	6634000	14/09/2005	44.531	140.4168	-30.42478	11:27:34	3390.258	-0.018	979334.9	9793349	9793573	-87.061	-8.706	-136.88	-131.842	-128.11	-13.688	-13.184	-12.811	-0.135	9383	
1981	443991.9	6633492	14/09/2005	41.615	140.4168	-30.42937	11:34:57	3391.428	-0.02	979336	9793360	9793577	-87.957	-8.796	-134.513	-129.805	-126.318	-13.451	-12.981	-12.632	-0.135	9383	
1982	444001.2	6633001	14/09/2005	41.536	140.4168	-30.4338	11:43:47	3391.812	-0.022	979336.4	9793364	9793580	-87.857	-8.786	-134.324	-129.625	-126.144	-13.432	-12.963	-12.614	-0.135	9383	
1983	443997.6	6632496	14/09/2005	43.217	140.4168	-30.43835	11:53:39	3391.83	-0.025	979336.4	9793364	9793584	-86.08	-8.608	-134.428	-129.539	-125.917	-13.443	-12.954	-12.592	-0.135	9383	
1984	444009.5	6631977	14/09/2005	46.211	140.4169	-30.44303	12:10:08	3391.479	-0.03	979336.1	9793361	9793588	-84.066	-8.407	-135.764	-130.536	-126.663	-13.576	-13.054	-12.666	-0.135	9383	
1985	444014.2	6631485	14/09/2005	40.097	140.4169	-30.44748	12:23:45	3393.099	-0.034	979337.7	9793377	9793591	-90.221	-9.022	-135.079	-130.543	-127.183	-13.508	-13.054	-12.718	-0.135	9383	
1986	444001.6	6630996	14/09/2005	43.684	140.4167	-30.45188	12:42:02	3392.246	-0.04	979336.9	9793369	9793595	-91.19	-9.119	-140.06	-135.118	-131.458	-14.006	-13.512	-13.146	-0.135	9383	
1987	443995.8	6630401	14/09/2005	40.541	140.4166	-30.45635	12:51:05	3392.917	-0.042	979337.5	9793375	9793598	-97.703	-9.77	-143.057	-138.471	-135.074	-14.306	-13.847	-13.507	-0.135	9383	
1988	443995.8	6630004	14/09/2005	39.295	140.4166	-30.46083	12:59:29	3393.15	-0.045	979337.8	9793378	9793602	-102.758	-10.276	-146.719	-142.273	-138.98	-14.672	-14.227	-13.898	-0.135	9383	
1989	444004.3	6629491	14/09/2005	39.864	140.4167	-30.46547	13:09:48	3392.862	-0.047	979337.5	9793375	9793605	-107.548	-10.755	-152.145	-147.635	-144.295	-15.215	-14.764	-14.429	-0.135	9383	
1990	444010.4	6628987	14/09/2005	38.427	140.4167	-30.47001	13:23:24	3393.037	-0.051	979337.6	9793376	9793609	-113.821	-11.382	-156.81	-152.463	-149.243	-15.681	-15.246	-14.924	-0.135	9383	
1991	443987.6	6628503	14/09/2005	32.023	140.4165	-30.47438	13:34:34	3394.444	-0.053	979339.1	9793391	9793612	-122.933	-12.293	-158.758	-155.135	-152.452	-15.876	-15.514	-15.245	-0.135	9383	
1992	443998.6	6628004	14/09/2005	23.565	140.4165	-30.47888	13:40:36	3396.305	-0.054	979340.9	9793409	9793616	-133.937	-13.394	-160.3	-157.634	-155.659	-16.03	-15.763	-15.566	-0.135	9383	
1993	444006.6	6627498	14/09/2005	24.281	140.4166	-30.48345	13:58:54	3396.051	-0.057	979340.7	9793407	9793619	-137.864	-13.786	-165.028	-162.281	-160.246	-16.503	-16.228	-16.025	-0.135	9383	
1994	446998.8	6624496	14/09/2005	36.036	140.4476	-30.51067	14:34:27	3394.504	-0.059	979339.1	9793391	9793641	-138.545	-13.854	-178.859	-174.783	-171.763	-17.886	-17.478	-17.176	-0.135	9383	
1995	447483.8	6624489	14/09/2005	42.916	140.4527	-30.51076	14:40:10	3393.288	-0.059	979337.9	9793379	9793641	-129.536	-12.954	-177.548	-172.693	-169.096	-17.755	-17.269	-16.91	-0.135	9383	
1996	448001	6624500	14/09/2005	36.078	140.4581	-30.51068	14:48:28	3395.472	-0.059	979340.1	9793401	9793641	-128.678	-12.868	-169.039	-164.958	-161.935	-16.904	-16.496	-16.193	-0.135	9383	
1997	447996.3	6624045	14/09/2005	42.157	140.458	-30.51479	14:56:17	3393.986	-0.058	979338.6	9793386	9793644	-128.026	-12.803	-175.188	-170.419	-166.886	-17.519	-17.042	-16.689	-0.135	9383	
1998	448496.4	6623518	14/09/2005	43.209	140.4632	-30.51956	15:07:56	3394.195	-0.056	979338.8	9793388	9793648	-126.422	-12.642	-174.761	-169.873	-166.252	-17.476	-16.987	-16.625	-0.135	9383	
1999	448491.5	6624017	14/09/2005	41.387	140.4632	-30.51506	15:14:40	3394.646	-0.055	979339.3	9793393	9793644	-123.937	-12.394	-170.238	-165.556	-162.088	-17.024	-16.556	-16.209	-0.135	9383	
2000	448519.4	6624528	14/09/2005	36.263	140.4635	-30.51045	15:23:35	3395.998	-0.053	979340.6	9793406	9793641	-122.529	-12.253	-163.098	-158.995	-155.956	-16.31	-15.9	-15.596	-0.135	9383	
2001	448988.7	6625022	14/09/2005	38.576	140.4684	-30.50601	15:30:24	3396.316	-0.051	979341	9793410	9793637	-108.664	-10.866	-151.821	-147.457	-144.224	-15.182	-14.746	-14.422	-0.135	9383	
2002	449012.3	6624500	14/09/2005	37.794	140.4686	-30.51073	15:38:15	3396.192	-0.049	979340.8	9793408	9793641	-116.001	-11.6	-158.282	-154.007	-150.84	-15.828	-15.401	-15.084	-0.135	9383	
2002	449011.9	6624500	14/09/2005	37.765	140.4686	-30.51073	15:46:01	2878.35	-0.046	979340.9	9793409	9793641	-115.449	-11.545	-157.698	-153.425	-150.261	-15.77	-15.343	-15.026	0.145	G711.	
5369	446506	6625003	10/09/2005	36.085	140.4425	-30.50608	9:14:01	2874.78	-0.063	979338.8	9793388	9793637	-138.343	-13.834	-178.712	-174.63	-171.606	-17.871	-17.463	-17.161	0.221	G711	
5370	446503.2	6625506	10/09/2005	31.592	140.4425	-30.50154	9:30:01	2875.83	-0.06	979339.8	9793398	9793634	-137.97	-13.797	-173.313	-169.739	-167.092	-17.331	-16.974	-16.709	0.221	G711	
5371	446489.2	6626004	10/09/2005	30.184	140.4424	-30.49704	9:41:01	2876.2	-0.057	979340.2	9793402	9793630	-135.012	-13.501	-168.78	-165.365	-162.836	-16.878	-16.536	-16.284	0.221	G711	
5372	446506.4	6626491	10/09/2005	30.273	140.4426	-30.49265	9:50:01	2876.54	-0.055	979340.5	9793405	9793627	-127.818	-12.782	-161.685	-158.26	-155.724	-16.169	-15.826	-15.572	0.221	G711	
5373	446510.9	6627019	10/09/2005	30.476	140.4427	-30.48789	10:06:01	2876.82	-0.05	979340.8	9793408	9793623	-120.592	-12.059	-154.686	-151.238	-148.684	-15.469	-15.124	-14.868	0.221	G711	
5374	446511.7	6627506	10/09/2005	30.595	140.4427	-30.4835	10:14:01	2877.31	-0.047	979341.3	9793413	9793619	-111.777	-11.178	-146.005	-142.543	-139.98	-14.6	-14.254	-13.998	0.221	G711	
5375	447010.3	6627522	10/09/2005	34.307	140.4479	-30.48337	10:23:01	2877.37	-0.044	979341.4	9793414	9793619	-99.604	-9.96	-137.985	-134.103	-131.228	-13.798	-13.41	-13.123	0.221	G711	
5375	447010.3	6627522	10/09/2005	34.354	140.4479	-30.48337	14:13:01	2877.28	0.081	979341.3	9793413	9793619	-99.97	-9.997	-138.403	-134.516	-131.637	-13.84	-13.452	-13.164	0.221	G711	
5376	446491.6	6628003	10/09/2005	32.533	140.4425	-30.47901	10:34:01	2877.38	-0.039	979341.4	9793414	9793616	-101.532	-10.153	-137.927	-134.247	-131.521	-13.793	-13.425	-13.152	0.221	G711	
5377	446502.4	6628513	10/09/2005	36.033	140.4427	-30.4744	10:55:01	2877.2	-0.03	979341.2	9793412	9793612	-88.906	-8.891	-129.217	-125.141	-122.121	-12.922	-12.514	-12.212	0.221	G711	
5378	446471.2	6629037	10/09/2005	37.717	140.4424	-30.46968	11:05:01	2877.33	-0.025	979341.4	9793414	9793609	-78.648	-7.865	-120.843	-116.576	-113.415	-12.084	-11.658	-11.342	0.221	G711	
5379	446486.3	6629507	10/09/2005	32.872	140.4425	-30.46543	11:17:01	2878.77	-0.019	979342.8	9793428	9793605	-75.577	-7.558	-112.352	-108.633	-105.878	-11.235	-10.863	-10.588	0.221	G711	
5380	446499.8	6629998	10/09/2005	32.195	140.4427	-30.46101	11:28:01	2879.21	-0.013	979343.3	9793433	9793602	-69.676	-6.968	-105.693	-102.051	-99.353	-10.569	-10.205	-9.935	0.221	G711	
5381	446980.4	6629883	10/09/2005	34.08	140.4477	-30.46116	11:37:01	2879.59															

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220 gu	als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
5387	446997.4	6631508	10/09/2005	44.177	140.448	-30.4474	12:51:01	2877.14	0.036	979341.2	9793412	9793591	-42.831	-4.283	-92.253	-87.255	-83.553	-9.225	-8.726	-8.355	0.221	G711	
5388	446999.2	6631004	10/09/2005	35.491	140.448	-30.45195	13:02:01	2879.25	0.043	979343.3	9793433	9793595	-51.733	-5.173	-91.438	-87.423	-84.449	-9.144	-8.742	-8.445	0.221	G711	
5389	446971.6	6630525	10/09/2005	33.519	140.4476	-30.45627	13:11:01	2879.71	0.048	979343.8	9793438	9793598	-56.529	-5.653	-94.027	-90.235	-87.426	-9.403	-9.024	-8.743	0.221	G711	
5390	447005.5	6629498	10/09/2005	38.341	140.4479	-30.46553	13:31:01	2878.48	0.06	979342.6	9793426	9793605	-61.432	-6.143	-104.325	-99.988	-96.775	-10.433	-9.999	-9.677	0.221	G711	
5391	446994.4	6628999	10/09/2005	33.563	140.4478	-30.47004	13:41:01	2879.3	0.065	979343.4	9793434	9793609	-71.374	-7.137	-108.922	-105.125	-102.313	-10.892	-10.513	-10.231	0.221	G711	
5392	447028.2	6628504	10/09/2005	36.976	140.4481	-30.4745	13:51:01	2878.02	0.07	979342.1	9793421	9793612	-77.376	-7.738	-118.743	-114.559	-111.461	-11.874	-11.456	-11.146	0.221	G711	
5393	447000.3	6627995	10/09/2005	32.733	140.4478	-30.4791	14:03:01	2878.29	0.076	979342.4	9793424	9793616	-91.327	-9.133	-127.946	-124.243	-121.5	-12.795	-12.424	-12.15	0.221	G711	
5394	446981	6627053	10/09/2005	34.806	140.4476	-30.4876	14:21:01	2876.5	0.085	979340.5	9793405	9793623	-109.842	-10.984	-148.78	-144.842	-141.926	-14.878	-14.484	-14.193	0.221	G711	
5395	447000.6	6626495	10/09/2005	32.5	140.4477	-30.49264	14:29:01	2876.45	0.088	979340.5	9793405	9793627	-121.436	-12.144	-157.795	-154.118	-151.395	-15.78	-15.412	-15.139	0.221	G711	
5396	446997	6626026	10/09/2005	33.493	140.4477	-30.49687	14:39:01	2875.98	0.092	979340	9793400	9793630	-126.497	-12.65	-163.966	-160.177	-157.37	-16.397	-16.018	-15.737	0.221	G711	
5397	447004.9	6625501	10/09/2005	32.372	140.4477	-30.50161	14:47:01	2875.95	0.095	979340	9793400	9793634	-133.998	-13.4	-170.214	-166.551	-163.838	-17.021	-16.655	-16.384	0.221	G711	
5398	446983.9	6625006	10/09/2005	37.116	140.4475	-30.50607	15:02:01	2874.79	0.1	979338.8	9793388	9793637	-134.695	-13.469	-176.217	-172.018	-168.908	-17.622	-17.202	-16.891	0.221	G711	
5399	445511.9	6625996	10/09/2005	26.102	140.4322	-30.49708	15:19:01	2876.58	0.104	979340.6	9793406	9793630	-143.388	-14.339	-172.589	-169.636	-167.449	-17.259	-16.964	-16.745	0.221	G711	
5400	447993.6	6625502	11/09/2005	37.669	140.458	-30.50164	8:39:01	2876.47	-0.057	979340.1	9793401	9793634	-116.684	-11.668	-158.826	-154.564	-151.408	-15.883	-15.456	-15.141	0.108	G711.	
5401	447992.2	6625992	11/09/2005	36.284	140.458	-30.49722	8:50:01	2877.28	-0.057	979340.9	9793409	9793630	-109.259	-10.926	-145.746	-142.706	-14.985	-14.575	-14.271	0.108	G711.		
5402	447997.7	6626518	11/09/2005	37.688	140.4581	-30.49247	8:58:01	2877.51	-0.057	979341.1	9793411	9793627	-98.857	-9.886	-141.019	-136.756	-133.598	-14.102	-13.676	-13.36	0.108	G711.	
5403	447996.4	6626999	11/09/2005	37.49	140.4581	-30.48813	9:07:01	2878.26	-0.057	979341.9	9793419	9793623	-88.432	-8.843	-130.374	-126.132	-122.991	-13.037	-12.613	-12.299	0.108	G711.	
5404	448009.2	6627503	11/09/2005	35.758	140.4583	-30.48359	9:18:01	2879.33	-0.057	979343	9793430	9793620	-79.327	-7.933	-119.33	-115.285	-112.288	-11.933	-11.528	-11.229	0.108	G711.	
5405	447989.5	6628028	11/09/2005	37.868	140.4581	-30.47884	9:27:01	2879.48	-0.057	979343.1	9793431	9793616	-67.558	-6.756	-109.922	-105.638	-102.465	-10.992	-10.564	-10.246	0.108	G711.	
5406	447993.7	6628525	11/09/2005	37.233	140.4582	-30.47436	9:36:01	2880.25	-0.056	979343.9	9793439	9793612	-58.157	-5.816	-99.81	-95.598	-92.478	-9.981	-9.56	-9.248	0.108	G711.	
5407	447998.9	6628982	11/09/2005	36.627	140.4583	-30.47024	9:46:01	2880.8	-0.055	979344.5	9793445	9793609	-51.203	-5.12	-92.179	-88.035	-84.966	-9.218	-8.804	-8.497	0.108	G711.	
5408	447990.9	6629529	11/09/2005	34.745	140.4582	-30.4653	9:55:01	2881.21	-0.054	979344.9	9793449	9793605	-48.956	-4.896	-87.826	-83.896	-80.984	-8.783	-8.39	-8.098	0.108	G711.	
5409	447484.7	6630049	11/09/2005	40.209	140.453	-30.46059	10:09:01	2879.31	-0.052	979343	9793430	9793601	-47.713	-4.771	-92.696	-88.147	-84.778	-9.27	-8.815	-8.478	0.108	G711.	
5409	447484.7	6630049	11/09/2005	40.178	140.453	-30.46059	12:29:01	2879.22	-0.007	979342.9	9793429	9793601	-48.619	-4.862	-93.567	-89.022	-85.655	-9.357	-8.902	-8.565	0.108	G711.	
5410	447990.4	6630016	11/09/2005	39.693	140.4582	-30.4609	10:33:01	2880.06	-0.048	979343.7	9793437	9793602	-41.945	-4.194	-86.351	-81.86	-78.534	-8.635	-8.186	-7.853	0.108	G711.	
5411	448015.7	6630509	11/09/2005	43.973	140.4585	-30.45646	10:44:01	2879.17	-0.045	979342.8	9793428	9793598	-34.28	-3.428	-83.474	-78.499	-74.814	-8.347	-7.85	-7.481	0.108	G711.	
5412	448009.4	6631023	11/09/2005	37.916	140.4585	-30.45182	10:56:01	2880.33	-0.042	979344	9793440	9793594	-37.508	-3.751	-79.925	-75.636	-72.459	-7.993	-7.564	-7.246	0.108	G711.	
5413	447994.8	6631539	11/09/2005	40.369	140.4584	-30.44717	11:07:01	2879.52	-0.039	979343.2	9793432	9793591	-34.508	-3.451	-79.67	-75.103	-71.72	-7.967	-7.51	-7.172	0.108	G711.	
5414	448001.4	6632004	11/09/2005	42.078	140.4584	-30.44297	11:18:01	2878.97	-0.036	979342.6	9793426	9793588	-31.501	-3.15	-78.575	-73.814	-70.288	-7.857	-7.381	-7.029	0.108	G711.	
5414	448001.3	6632004	12/09/2005	42.081	140.4584	-30.44297	13:14:05	3395.29	-0.019	979342.6	9793426	9793588	-31.192	-3.119	-78.269	-73.508	-69.982	-7.827	-7.351	-6.998	-0.119	9383	
5415	447492.5	6631950	11/09/2005	46.108	140.4531	-30.44344	11:41:01	2877.62	-0.028	979341.2	9793412	9793588	-33.143	-3.314	-84.725	-79.509	-75.645	-8.472	-7.951	-7.564	0.108	G711.	
5416	447490.9	6631480	11/09/2005	43.045	140.4531	-30.44767	11:53:01	2878.47	-0.023	979342.1	9793421	9793591	-37.277	-3.728	-85.433	-80.563	-76.956	-8.543	-8.056	-7.696	0.108	G711.	
5417	447503.6	6631015	11/09/2005	36.657	140.4532	-30.45187	12:08:01	2880.12	-0.017	979343.8	9793438	9793595	-43.493	-4.349	-84.502	-80.355	-77.283	-8.45	-8.035	-7.728	0.108	G711.	
5418	447509	6630537	11/09/2005	39.454	140.4532	-30.45619	12:19:01	2879.5	-0.012	979343.2	9793432	9793598	-44.56	-4.456	-88.698	-84.235	-80.929	-8.87	-8.423	-8.093	0.108	G711.	
5419	447486.6	6629543	11/09/2005	37.779	140.453	-30.46515	12:43:01	2879.79	-0.001	979343.5	9793435	9793605	-53.793	-5.379	-96.058	-91.784	-88.618	-9.606	-9.178	-8.862	0.108	G711.	
5420	447497	6628997	11/09/2005	34.942	140.453	-30.47008	12:51:01	2880.27	0.003	979344	9793440	9793609	-61.543	-6.154	-100.634	-96.681	-93.753	-10.063	-9.668	-9.375	0.108	G711.	
5421	447512.2	6628475	11/09/2005	33.224	140.4532	-30.47479	12:58:01	2880.31	0.007	979344	9793440	9793613	-70.142	-7.014	-107.311	-103.552	-100.768	-10.731	-10.355	-10.077	0.108	G711.	
5422	447501.7	6627978	11/09/2005	34.766	140.453	-30.47927	13:06:01	2879.19	0.011	979342.9	9793429	9793616	-80.292	-8.029	-119.186	-115.253	-112.34	-11.919	-11.525	-11.234	0.108	G711.	
5423	447509	6627453	11/09/2005	37.773	140.4531	-30.48401	13:15:01	2877.78	0.015	979341.4	9793414	9793620	-89.073	-8.907	-131.331	-127.058	-123.892	-13.133	-12.706	-12.389	0.108	G711.	
5424	447474.1	6627000	11/09/2005	36.128	140.4527	-30.4881	13:24:01	2877.41	0.02	979341.1	9793411	9793623	-101.115	-10.112	-141.533	-137.446	-134.418	-14.153	-13.745	-13.442	0.108	G711.	
5425	447499.6	6626490	11/09/2005	34.842	140.4529	-30.4927	13:31:01	2877.12	0.023	979340.8	9793408	9793627	-111.654	-11.165	-150.632	-146.691	-143.771	-15.063	-14.669	-14.377	0.108	G711.	
5426	447496.6	6625991	11/09/2005	32.567	140.4529	-30.4972	13:39:01	2877.25	0.027	979340.9	9793409	9793630	-120.887	-12.089	-157.32	-153.636	-150.907	-15.732	-15.364	-15.091	0.108	G711.	
5427	447511.6	6625520	11/09/2005	33.265	140.453	-30.50146	13:47:01	2876.86	0.032	979340.5	9793405	9793634	-126.042	-12.604	-163.257	-159.494	-156.706	-16.326	-15.949	-15.671	0.108	G711.	
5428	447495.8	6625003	11/09/2005	36.439	140.4528	-30.50612	13:56:01	2875.88	0.036	979339.5	9793395	9793637	-129.875	-12.988	-170.641	-166.518	-163.465	-17.064	-16.652	-16.346	0.108	G711.	
5429	450508.9	6625990	11/09/2005	41.22	140.4843	-30.49734	14:19:01	2880.05	0.048	979343.8	9793438	9793630	-65.703	-6.57	-111.817	-107.154	-103.7	-11.182	-10.715	-10.37	0.108	G711.	
5430	451020.2	6625987	11/09/2005	40.647																			

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220_gu als	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
5435	449972.3	6626025	12/09/2005	43.356	140.4787	-30.49701	15:16:01	2879.42	0.034	979342.6	9793426	9793630	-70.568	-7.057	-119.072	-114.167	-110.534	-11.907	-11.417	-11.053	0.233	G711.
5436	449496.8	6625505	12/09/2005	38.701	140.4737	-30.50168	8:35:01	2879.23	-0.043	979342.5	9793425	9793634	-89.823	-8.982	-133.119	-128.741	-125.498	-13.312	-12.874	-12.55	0.233	G711.
5437	449478.7	6625987	12/09/2005	42.894	140.4735	-30.49732	8:49:01	2878.78	-0.044	979342	9793420	9793630	-78.084	-7.808	-126.07	-121.218	-117.623	-12.607	-12.122	-11.762	0.233	G711.
5438	449495.3	6626516	12/09/2005	43.584	140.4737	-30.49255	8:57:01	2879.2	-0.044	979342.4	9793424	9793627	-67.948	-6.795	-116.706	-111.776	-108.123	-11.671	-11.178	-10.812	0.233	G711.
5439	449481.8	6626966	12/09/2005	42.577	140.4736	-30.48849	9:06:01	2879.78	-0.044	979343	9793430	9793623	-61.974	-6.197	-109.606	-104.789	-101.221	-10.961	-10.479	-10.122	0.233	G711.
5440	449506.7	6627467	12/09/2005	42.021	140.4739	-30.48397	9:14:01	2880.36	-0.045	979343.6	9793436	9793620	-54.264	-5.426	-101.274	-96.52	-92.999	-10.127	-9.652	-9.3	0.233	G711.
5441	449510.8	6627991	12/09/2005	41.125	140.474	-30.47924	9:24:01	2880.93	-0.045	979344.2	9793442	9793616	-47.534	-4.753	-93.542	-88.889	-85.443	-9.354	-8.889	-8.544	0.233	G711.
5442	449499.8	6628541	12/09/2005	40.451	140.4739	-30.47428	9:34:01	2881.46	-0.045	979344.7	9793447	9793612	-40.345	-4.034	-85.599	-81.022	-77.633	-8.56	-8.102	-7.763	0.233	G711.
5443	449498.5	6629008	12/09/2005	39.514	140.4739	-30.47007	9:42:01	2881.97	-0.046	979345.2	9793452	9793609	-34.752	-3.475	-78.958	-74.487	-71.176	-7.896	-7.449	-7.118	0.233	G711.
5444	449497.6	6629479	12/09/2005	38.331	140.4739	-30.46581	9:52:01	2882.26	-0.046	979345.5	9793455	9793606	-32.133	-3.213	-75.015	-70.679	-67.466	-7.501	-7.068	-6.747	0.233	G711.
5445	449495.1	6630024	12/09/2005	41.711	140.4739	-30.46089	10:17:01	2881.6	-0.046	979344.8	9793448	9793602	-24.63	-2.463	-71.293	-66.574	-63.079	-7.129	-6.657	-6.308	0.233	G711.
5446	450004.4	6630503	12/09/2005	43.246	140.4792	-30.45659	10:26:01	2881.46	-0.046	979344.7	9793447	9793598	-17.959	-1.796	-66.34	-61.447	-57.823	-6.634	-6.145	-5.782	0.233	G711.
5446	450004.3	6630503	12/09/2005	43.247	140.4792	-30.45659	13:53:01	2881.5	-0.005	979344.7	9793447	9793598	-17.916	-1.792	-66.298	-61.405	-57.781	-6.63	-6.141	-5.778	0.233	G711.
5447	449491.8	6630547	12/09/2005	47.605	140.4739	-30.45618	10:37:01	2880.13	-0.045	979343.3	9793433	9793598	-17.737	-1.774	-70.995	-65.609	-61.62	-7.099	-6.561	-6.162	0.233	G711.
5448	449503.6	6631009	12/09/2005	44.123	140.474	-30.45201	10:47:01	2880.77	-0.045	979344	9793440	9793595	-18.724	-1.872	-68.085	-63.094	-59.396	-6.809	-6.309	-5.94	0.233	G711.
5449	449495.4	6631498	12/09/2005	44.357	140.474	-30.4476	10:55:01	2880.55	-0.045	979343.7	9793437	9793591	-16.779	-1.678	-66.403	-61.385	-57.668	-6.64	-6.138	-5.767	0.233	G711.
5450	449491.2	6632049	12/09/2005	46.505	140.474	-30.44263	11:04:01	2879.34	-0.044	979342.5	9793425	9793587	-18.57	-1.857	-70.597	-65.336	-61.439	-7.06	-6.534	-6.144	0.233	G711.
5451	449495.6	6632489	12/09/2005	42.69	140.474	-30.43866	11:12:01	2879.76	-0.044	979342.9	9793429	9793584	-22.96	-2.296	-70.718	-65.889	-62.311	-7.072	-6.589	-6.231	0.233	G711.
5452	449513.4	6633022	12/09/2005	45.189	140.4742	-30.43385	11:21:01	2878.25	-0.043	979341.4	9793414	9793580	-26.845	-2.685	-77.4	-72.287	-68.501	-7.74	-7.229	-6.85	0.233	G711.
5453	449496.7	6633488	12/09/2005	50.031	140.4741	-30.42964	11:29:01	2876.56	-0.042	979339.7	9793397	9793577	-25.796	-2.58	-81.767	-76.107	-71.914	-8.177	-7.611	-7.191	0.233	G711.
5454	449508.2	6634014	12/09/2005	49.628	140.4742	-30.42489	11:41:01	2875.51	-0.04	979338.6	9793386	9793573	-34	-3.4	-89.52	-83.906	-79.747	-8.952	-8.391	-7.975	0.233	G711.
5455	449497.7	6634512	12/09/2005	44.97	140.4741	-30.4204	11:50:01	2875.7	-0.039	979338.8	9793388	9793570	-42.925	-4.293	-93.234	-88.147	-84.378	-9.323	-8.815	-8.438	0.233	G711.
5456	449484	6635027	12/09/2005	43.923	140.474	-30.41575	11:58:01	2875.14	-0.038	979338.2	9793382	9793566	-48.209	-4.821	-97.347	-92.378	-88.697	-9.735	-9.238	-8.87	0.233	G711.
5457	449507.8	6635502	12/09/2005	44.062	140.4743	-30.41147	12:14:01	2874.43	-0.035	979337.5	9793375	9793563	-51.651	-5.165	-100.945	-95.96	-92.268	-10.094	-9.596	-9.227	0.233	G711.
5458	450029.3	6635443	12/09/2005	45.598	140.4797	-30.41202	12:22:01	2874.6	-0.033	979337.7	9793377	9793563	-45.629	-4.563	-96.641	-91.483	-87.662	-9.664	-9.148	-8.766	0.233	G711.
5459	450002.6	6635059	12/09/2005	49.298	140.4794	-30.41549	12:39:01	2874.5	-0.029	979337.6	9793376	9793566	-37.991	-3.799	-93.142	-87.565	-83.434	-9.314	-8.757	-8.343	0.233	G711.
5460	449990.4	6634503	12/09/2005	52.433	140.4793	-30.4205	12:49:01	2874.47	-0.027	979337.5	9793375	9793570	-32.583	-3.258	-91.241	-85.309	-80.915	-9.124	-8.531	-8.092	0.233	G711.
5461	450006.1	6634007	12/09/2005	50.091	140.4794	-30.42498	12:57:01	2875.83	-0.025	979338.9	9793389	9793573	-29.509	-2.951	-85.547	-79.881	-75.683	-8.555	-7.988	-7.568	0.233	G711.
5462	449991.5	6633493	12/09/2005	48.873	140.4792	-30.42962	13:06:01	2877.06	-0.022	979340.2	9793402	9793577	-24.426	-2.443	-79.102	-73.573	-69.478	-7.91	-7.357	-6.948	0.233	G711.
5463	449998.4	6632990	12/09/2005	47.932	140.4793	-30.43416	13:14:01	2877.98	-0.019	979341.1	9793411	9793581	-21.552	-2.155	-75.175	-69.752	-65.736	-7.517	-6.975	-6.574	0.233	G711.
5464	449994.4	6632489	12/09/2005	47.25	140.4792	-30.43867	13:21:01	2879.01	-0.017	979342.2	9793422	9793584	-16.75	-1.675	-69.61	-64.264	-60.305	-6.961	-6.426	-6.03	0.233	G711.
5465	449999.9	6631995	12/09/2005	43.459	140.4793	-30.44313	13:29:01	2880.47	-0.014	979343.6	9793436	9793588	-17.118	-1.712	-65.737	-60.82	-57.178	-6.574	-6.082	-5.718	0.233	G711.
5466	449999.4	6631499	12/09/2005	44.248	140.4792	-30.44761	13:37:01	2880.93	-0.011	979344.1	9793441	9793591	-13.539	-1.354	-63.04	-58.035	-54.327	-6.304	-5.803	-5.433	0.233	G711.
5467	449987.5	6630988	12/09/2005	42.073	140.4791	-30.45222	13:46:01	2881.7	-0.008	979344.9	9793449	9793595	-16.057	-1.606	-63.126	-58.366	-54.84	-6.313	-5.837	-5.484	0.233	G711.
5468	449992.7	6629996	12/09/2005	42.128	140.4791	-30.46117	14:01:01	2881.81	-0.002	979345	9793450	9793602	-21.822	-2.182	-68.952	-64.186	-60.655	-6.895	-6.419	-6.066	0.233	G711.
5469	449999.7	6629508	12/09/2005	43.071	140.4791	-30.46558	14:12:01	2881.56	0.003	979344.8	9793448	9793605	-24.932	-2.493	-73.117	-68.244	-64.635	-7.312	-6.824	-6.463	0.233	G711.
5470	449998.3	6628989	12/09/2005	41.013	140.4791	-30.47026	14:23:01	2881.85	0.008	979345	9793450	9793609	-32.02	-3.202	-77.902	-73.263	-69.826	-7.79	-7.326	-6.983	0.233	G711.
5471	449974.2	6628467	12/09/2005	38.933	140.4788	-30.47497	14:31:01	2882.04	0.011	979345.2	9793452	9793613	-40.211	-4.021	-83.767	-79.362	-76.099	-8.377	-7.936	-7.61	0.233	G711.
5472	449988.1	6628034	12/09/2005	39.368	140.4789	-30.47887	14:40:01	2881.76	0.016	979345	9793450	9793616	-44.793	-4.479	-88.835	-84.382	-81.083	-8.884	-8.438	-8.108	0.233	G711.
5473	449983.8	6627494	12/09/2005	40.329	140.4789	-30.48375	14:49:01	2881.23	0.02	979344.4	9793444	9793620	-51.057	-5.106	-96.175	-91.612	-88.233	-9.617	-9.161	-8.823	0.233	G711.
5474	449988	6626995	12/09/2005	41.622	140.4789	-30.48825	14:57:01	2880.67	0.024	979343.8	9793438	9793623	-56.312	-5.631	-102.876	-98.167	-94.679	-10.288	-9.817	-9.468	0.233	G711.
5475	449989.3	6626479	12/09/2005	43.373	140.4789	-30.4929	15:07:01	2879.86	0.029	979343	9793430	9793627	-62.815	-6.281	-111.337	-106.431	-102.796	-11.134	-10.643	-10.28	0.233	G711.
5476	451495	6625502	13/09/2005	43.803	140.4945	-30.50179	9:02:01	2881.17	-0.027	979344.1	9793441	9793634	-57.594	-5.759	-106.598	-101.642	-97.972	-10.66	-10.164	-9.797	0.098	G711.
5477	451516.4	6624990	13/09/2005	48.547	140.4947	-30.50641	9:11:01	2879.48	-0.027	979342.4	9793424	9793638	-63.814	-6.381	-118.125	-112.633	-108.565	-11.813	-11.263	-10.856	0.098	G711.
5478	451498.8	6624478	13/09/2005	49.887	140.4945	-30.51103	9:19:01	2878.35	-0.027	979341.2	9793412	9793641	-74.848	-7.485	-130.658	-125.014	-120.834	-13.066	-12.501	-12.083	0.098	G711.
5479	451508.2	6623972	13/09/2005	54.069	140.4946	-30.51559	9:31:01	2876.8	-0.027	979339.7	9793397	9793645	-81.342									

AREA 2 GRAVITY DATA

station	mga east	mga north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc mgals	obsrg84_m gals	obsrg84_g u	gt gu	fag gu	fag mgals	bg267 gu	bg240 gu	bg220_gu	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
5485	451513.2	6621479	13/09/2005	47.572	140.4945	-30.53809	10:37:01	2878.11	-0.032	979341	9793410	9793663	-106.04	-10.604	-159.26	-153.878	-149.891	-15.926	-15.388	-14.989	0.098	G711.
5486	451500.4	6621002	13/09/2005	47.629	140.4944	-30.54239	10:45:01	2878.05	-0.033	979340.9	9793409	9793666	-109.893	-10.989	-163.177	-157.789	-153.798	-16.318	-15.779	-15.38	0.098	G711.
5487	451475.3	6620497	13/09/2005	48.411	140.4941	-30.54695	10:54:01	2877.86	-0.034	979340.7	9793407	9793670	-113.048	-11.305	-167.207	-161.73	-157.673	-16.721	-16.173	-15.767	0.098	G711.
5488	451010.8	6620997	13/09/2005	47.669	140.4893	-30.54241	11:05:01	2877.6	-0.035	979340.5	9793405	9793666	-114.429	-11.443	-167.758	-162.365	-158.371	-16.776	-16.237	-15.837	0.098	G711.
5489	451002.1	6621510	13/09/2005	45.029	140.4892	-30.53779	11:16:01	2878.04	-0.037	979340.9	9793409	9793662	-114.48	-11.448	-164.855	-159.761	-155.988	-16.486	-15.976	-15.599	0.098	G711.
5490	450495.5	6621504	13/09/2005	46.62	140.4839	-30.53782	11:26:01	2877.2	-0.038	979340	9793400	9793662	-118.175	-11.818	-170.331	-165.056	-161.15	-17.033	-16.506	-16.115	0.098	G711.
5492	449490.4	6622521	13/09/2005	44.287	140.4735	-30.5286	11:49:01	2876.76	-0.04	979339.6	9793396	9793655	-122.639	-12.264	-172.185	-167.174	-163.463	-17.218	-16.717	-16.346	0.098	G711.
5493	449996.7	6622519	13/09/2005	45.203	140.4788	-30.52864	11:59:01	2876.85	-0.041	979339.7	9793397	9793655	-118.96	-11.896	-169.53	-164.416	-160.628	-16.953	-16.442	-16.063	0.098	G711.
5493	449996.8	6622520	13/09/2005	45.2	140.4788	-30.52864	14:46:01	2876.88	-0.025	979339.7	9793397	9793655	-118.858	-11.886	-169.425	-164.312	-160.524	-16.943	-16.431	-16.052	0.098	G711.
5494	450463	6622016	13/09/2005	45.352	140.4836	-30.5332	12:13:01	2877.18	-0.042	979340	9793400	9793659	-118.789	-11.879	-169.526	-164.395	-160.595	-16.953	-16.44	-16.059	0.098	G711.
5495	450990.3	6622011	13/09/2005	45.657	140.4891	-30.53326	12:22:01	2877.69	-0.043	979340.5	9793405	9793659	-112.735	-11.274	-163.813	-158.648	-154.822	-16.381	-15.865	-15.482	0.098	G711.
5496	450984.3	6622989	13/09/2005	44.515	140.4891	-30.52444	12:52:01	2877.71	-0.044	979340.5	9793405	9793652	-109.147	-10.915	-158.947	-153.911	-150.181	-15.895	-15.391	-15.018	0.098	G711.
5497	451012.2	6623501	13/09/2005	45.362	140.4894	-30.51982	12:59:01	2877.78	-0.044	979340.6	9793406	9793648	-102.195	-10.219	-152.942	-147.811	-144.009	-15.294	-14.781	-14.401	0.098	G711.
5498	450984.8	6623975	13/09/2005	48.732	140.4891	-30.51554	13:07:01	2877.42	-0.043	979340.2	9793402	9793645	-92.08	-9.208	-146.597	-141.084	-137.001	-14.66	-14.108	-13.7	0.098	G711.
5499	450922.4	6624499	13/09/2005	46.678	140.4892	-30.51082	13:15:01	2878.61	-0.043	979341.4	9793414	9793641	-82.597	-8.26	-134.817	-129.537	-125.625	-13.482	-12.954	-12.562	0.098	G711.
5500	451006.5	6624987	13/09/2005	45.863	140.4894	-30.50642	13:23:01	2879.57	-0.043	979342.4	9793424	9793638	-71.884	-7.188	-123.192	-118.004	-114.16	-12.319	-11.8	-11.416	0.098	G711.
5501	450961	6625510	13/09/2005	43.084	140.489	-30.5017	13:35:01	2880.72	-0.041	979343.6	9793436	9793634	-65.041	-6.504	-113.24	-108.366	-104.756	-11.324	-10.837	-10.476	0.098	G711.
5502	450478.6	6625504	13/09/2005	39.364	140.4839	-30.50173	13:43:01	2880.98	-0.04	979343.9	9793439	9793634	-73.905	-7.391	-117.943	-113.49	-110.191	-11.794	-11.349	-11.019	0.098	G711.
5503	450510.9	6624971	13/09/2005	42.756	140.4842	-30.50653	13:52:01	2879.62	-0.039	979342.5	9793425	9793638	-81.074	-8.107	-128.907	-124.07	-120.487	-12.891	-12.407	-12.049	0.098	G711.
5504	450503.6	6624506	13/09/2005	44.5	140.4841	-30.51073	14:00:01	2878.54	-0.038	979341.4	9793414	9793641	-90.001	-9	-139.784	-134.75	-131.021	-13.978	-13.475	-13.102	0.098	G711.
5505	450501.4	6624013	13/09/2005	45.416	140.4841	-30.51518	14:11:01	2877.78	-0.035	979340.6	9793406	9793645	-98.427	-9.843	-149.235	-144.097	-140.291	-14.924	-14.41	-14.029	0.098	G711.
5506	450494.7	6623488	13/09/2005	44.768	140.484	-30.51992	14:20:01	2877.52	-0.033	979340.3	9793403	9793648	-106.809	-10.681	-156.893	-151.828	-148.076	-15.689	-15.183	-14.808	0.098	G711.
5507	450498.2	6622994	13/09/2005	44.68	140.484	-30.52438	14:29:01	2877.28	-0.031	979340.1	9793401	9793652	-113.039	-11.304	-163.023	-157.969	-154.225	-16.302	-15.797	-15.422	0.098	G711.
5508	450510.1	6622495	13/09/2005	43.924	140.4841	-30.52888	14:37:01	2877.52	-0.028	979340.3	9793403	9793655	-116.488	-11.649	-165.627	-160.658	-156.977	-16.563	-16.066	-15.698	0.098	G711.
5509	449979.6	6622996	13/09/2005	44.244	140.4786	-30.52434	14:56:01	2877.07	-0.022	979339.9	9793399	9793652	-116.46	-11.646	-165.957	-160.952	-157.244	-16.596	-16.095	-15.724	0.098	G711.
5510	450009.8	6623514	13/09/2005	47.414	140.479	-30.51966	15:05:01	2876.55	-0.018	979339.3	9793393	9793648	-108.256	-10.826	-161.299	-155.935	-151.962	-16.13	-15.594	-15.196	0.098	G711.
5511	450003.7	6623972	13/09/2005	45.214	140.4789	-30.51553	15:12:01	2877.35	-0.015	979340.2	9793402	9793645	-103.626	-10.363	-154.208	-149.093	-145.304	-15.421	-14.909	-14.53	0.098	G711.
5512	449998.9	6624487	15/09/2005	42.348	140.4789	-30.51088	14:46:55	3398.025	-0.071	979341.3	9793413	9793641	-97.387	-9.739	-144.763	-139.972	-136.423	-14.476	-13.997	-13.642	-0.134	9383
5512	449998.6	6624489	15/09/2005	42.305	140.4789	-30.51087	14:48:01	2879.03	-0.072	979341.4	9793414	9793641	-96.539	-9.654	-143.867	-139.081	-135.536	-14.387	-13.908	-13.554	0.11	G711.
5513	450001.6	6625054	13/09/2005	41.415	140.4789	-30.50577	15:31:01	2879.24	-0.007	979342.1	9793421	9793637	-88.369	-8.837	-134.701	-130.016	-126.545	-13.47	-13.002	-12.655	0.098	G711.
5514	449992.1	6625504	13/09/2005	40.609	140.4789	-30.50171	15:39:01	2879.96	-0.003	979342.8	9793428	9793634	-80.299	-8.03	-125.73	-121.136	-117.733	-12.573	-12.114	-11.773	0.098	G711.
5515	442994.9	6628501	14/09/2005	34.951	140.4061	-30.47435	9:05:01	2875.25	-0.008	979337.9	9793379	9793612	-125.604	-12.56	-164.704	-160.75	-157.821	-16.47	-16.075	-15.782	0.145	G711.
5515	442994.9	6628501	14/09/2005	34.923	140.4061	-30.47435	13:43:01	2875.33	-0.055	979337.8	9793378	9793612	-126.01	-12.601	-165.079	-161.128	-158.202	-16.508	-16.113	-15.82	0.145	G711.
5516	442994.4	6629009	14/09/2005	43.682	140.4061	-30.46977	9:19:01	2873.22	-0.006	979335.8	9793358	9793609	-115.714	-11.571	-164.582	-159.641	-155.98	-16.458	-15.964	-15.598	0.145	G711.
5517	443013.2	6629546	14/09/2005	44.02	140.4064	-30.46492	9:27:01	2873.33	-0.005	979335.9	9793359	9793605	-109.733	-10.973	-158.979	-153.999	-150.31	-15.898	-15.4	-15.031	0.145	G711.
5518	442995.7	6629996	14/09/2005	41.144	140.4062	-30.46086	9:36:01	2874	-0.005	979336.6	9793366	9793602	-108.6	-10.86	-154.629	-149.975	-146.527	-15.463	-14.997	-14.653	0.145	G711.
5519	443009.7	6630479	14/09/2005	38.087	140.4064	-30.45651	9:48:01	2874.59	-0.004	979337.2	9793372	9793598	-108.621	-10.862	-151.23	-146.921	-143.729	-15.123	-14.692	-14.373	0.145	G711.
5520	442995.3	6630999	14/09/2005	35.122	140.4063	-30.45181	9:58:01	2875.24	-0.004	979337.9	9793379	9793594	-107.485	-10.748	-146.777	-142.804	-139.86	-14.678	-14.28	-13.986	0.145	G711.
5521	442986.6	6631498	14/09/2005	40.951	140.4062	-30.44731	10:07:01	2873.84	-0.005	979336.4	9793364	9793591	-100.205	-10.02	-146.018	-141.385	-137.953	-14.602	-14.139	-13.795	0.145	G711.
5522	442496.4	6631497	14/09/2005	36.706	140.4011	-30.44729	10:20:01	2874.4	-0.006	979337	9793370	9793591	-107.64	-10.764	-148.704	-144.551	-141.475	-14.87	-14.455	-14.148	0.145	G711.
5522	442496.4	6631497	14/09/2005	36.684	140.4011	-30.44729	12:56:01	2874.43	-0.044	979337	9793370	9793591	-108.148	-10.815	-149.188	-145.038	-141.963	-14.919	-14.504	-14.196	0.145	G711.
5523	443012.6	6631997	14/09/2005	40.31	140.4065	-30.44281	10:29:01	2873.86	-0.007	979336.4	9793364	9793587	-98.499	-9.85	-143.595	-139.035	-135.657	-14.36	-13.904	-13.566	0.145	G711.
5524	443005.5	6632505	14/09/2005	42.857	140.4064	-30.43822	10:41:01	2872.95	-0.008	979335.5	9793355	9793584	-96.323	-9.632	-144.268	-139.42	-135.828	-14.427	-13.942	-13.583	0.145	G711.
5525	443005.4	6633004	14/09/2005	36.769	140.4065	-30.43372	10:50:01	2874.07	-0.01	979336.7	9793367	9793580	-100.198	-10.02	-141.333	-137.173	-134.092	-14.133	-13.717	-13.409	0.145	G711.
5526	442999.4	6633450	14/09/2005	38.091	140.4064	-30.4297	10:58:01	2873.52	-0.011	979336.1	9793361	9793577	-98.575	-9								

AREA 2 GRAVITY DATA

station	mga_east	mga_north	date	ahd_m	gda94_lon gitude_dd	gda94_lati tude_dd	time_hhm mss	dialrdng_ mgals	etc_mgals	obsrg84_m gals	obsrg84_g u	gt_gu	fag_gu	fag_mgals	bg267_gu	bg240_gu	bg220_gu	bg267_mg als	bg240_mg als	bg220_mg als	closure_m gals	metersn
5534	442498.7	6632003	14/09/2005	41.145	140.4011	-30.44273	12:49:01	2873.22	-0.042	979335.7	9793357	9793587	-103.05	-10.305	-149.08	-144.425	-140.977	-14.908	-14.443	-14.098	0.145	G711.
5535	442490.3	6630988	14/09/2005	36.159	140.401	-30.45188	13:05:01	2874.65	-0.046	979337.2	9793372	9793595	-111.202	-11.12	-151.654	-147.563	-144.533	-15.165	-14.756	-14.453	0.145	G711.
5536	442521.1	6630465	14/09/2005	36.164	140.4013	-30.4566	13:13:01	2874.7	-0.048	979337.2	9793372	9793598	-114.441	-11.444	-154.899	-150.808	-147.777	-15.49	-15.081	-14.778	0.145	G711.
5537	442488.3	6630005	14/09/2005	39.625	140.4009	-30.46076	13:20:01	2873.89	-0.05	979336.4	9793364	9793602	-115.307	-11.531	-159.637	-155.154	-151.834	-15.964	-15.515	-15.183	0.145	G711.
5538	442478.9	6629550	14/09/2005	42.961	140.4008	-30.46486	13:27:01	2873.16	-0.051	979335.6	9793356	9793605	-115.714	-11.571	-163.776	-158.916	-155.316	-16.378	-15.892	-15.532	0.145	G711.
5539	442495.1	6628988	14/09/2005	40.44	140.4009	-30.46993	13:35:01	2873.65	-0.053	979336.1	9793361	9793609	-122.544	-12.254	-167.785	-163.21	-159.822	-16.779	-16.321	-15.982	0.145	G711.
5540	449507.1	6624983	14/09/2005	40.057	140.4738	-30.50639	14:27:01	2878.9	-0.059	979341.5	9793415	9793638	-99.297	-9.93	-144.11	-139.578	-136.222	-14.411	-13.958	-13.622	0.145	G711.
5541	449515.1	6624446	14/09/2005	39.835	140.4738	-30.51123	14:35:01	2878.42	-0.059	979341	9793410	9793641	-108.713	-10.871	-153.278	-148.771	-145.433	-15.328	-14.877	-14.543	0.145	G711.
5542	449505.9	6623963	14/09/2005	45.617	140.4737	-30.51559	14:45:01	2876.78	-0.059	979339.3	9793393	9793645	-111.014	-11.101	-162.047	-156.887	-153.064	-16.205	-15.689	-15.306	0.145	G711.
5543	449502.6	6623475	14/09/2005	43.913	140.4737	-30.52	14:55:01	2877.02	-0.058	979339.5	9793395	9793648	-117.332	-11.733	-166.458	-161.491	-157.811	-16.646	-16.149	-15.781	0.145	G711.
5544	449500	6622977	14/09/2005	42.945	140.4736	-30.52449	15:06:01	2877.28	-0.056	979339.8	9793398	9793652	-121.227	-12.123	-169.271	-164.413	-160.814	-16.927	-16.441	-16.081	0.145	G711.
5545	448994.2	6623006	14/09/2005	41.162	140.4683	-30.52421	15:18:01	2877.27	-0.054	979339.8	9793398	9793652	-126.618	-12.662	-172.667	-168.011	-164.561	-17.267	-16.801	-16.456	0.145	G711.
5546	448998.9	6623524	14/09/2005	40.967	140.4684	-30.51953	15:26:01	2877.31	-0.052	979339.8	9793398	9793648	-123.114	-12.311	-168.945	-164.31	-160.877	-16.894	-16.431	-16.088	0.145	G711.
5547	448992.4	6624024	14/09/2005	45.963	140.4684	-30.51502	15:34:01	2876.23	-0.05	979338.7	9793387	9793644	-115.126	-11.513	-166.546	-161.346	-157.494	-16.655	-16.135	-15.749	0.145	G711.
5991	450028.1	6621983	13/09/2005	49.474	140.4791	-30.53348	11:38:01	2876.07	-0.039	979338.9	9793389	9793659	-117.48	-11.748	-172.828	-167.231	-163.085	-17.283	-16.723	-16.309	0.098	G711.



Newcrest Operations Limited

**EXPLORATION LICENCE
2948
"POVERTY LAKE"**

**ANNUAL TECHNICAL REPORT
To PIRSA**

For the Period 17 May, 2006 to 16 May ,2007

**CURNAMONA PROVINCE
SOUTH AUSTRALIA**

-

Distribution:

**Newcrest Mining Limited, Perth
PlatSearch NL (Sydney)
PIRSA, Adelaide
J F Allender (Adelaide)**

Compiled By:

**B. L. Harper
M. A. Stewart
June, 2007**

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Exploration Licence 2948 "Poverty Lake" Annual Technical Report to PIRSA For Period 17 May 2006 to 16 May 2007 Curnamona Province SA

Newcrest
Library

report_no S015/2

04-Jul-07

Author B.L. Harper; M. A. Stewart

Year: 2006

Company: Newcrest Operations Limited
Platsearch NL J F Allender

DataSet: BENAGERIE JV

Old report no:

**Map sheet
(1:250k):** FROME SH54-10

Tenement: EL2948

**Map sheet
(1:100k):** Coonarbine 6936
Cootabarlow 6937
Thurlooka 7036 7037

Grid Reference: 450100mE 6648000mN

Locality: Curnamona

Data :

Surveys:

Assays:

Keywords:

Curnamona Province Tertiary Namba Eyre Formation Cretaceous Bulldog Marree
Mesoproterozoic Bimbowrie Supersuite Volcanics Intrusives Benagerie Ridge
Copper Gold

Prospect

**Geological
Annotation:**

Remodelling and interpretation of Ground Magnetic data for Gravity Anomaly "A"
indicates a depth of 400m to the top of the feature. Drilling of this target is planned
during the next reporting period.

Notes:

EXECUTIVE SUMMARY

Newcrest Operations Limited joint ventured into the PlatSearch/Allender/Hosking tenement EL2948 "Poverty Lake", during April 2005 as part of a broader search in the Curnamona Province for iron-oxide copper-gold-(uranium) styles of mineralisation associated with Mesoproterozoic rocks buried beneath cover sedimentary units of the Frome Basin. Adjoining tenements EL3019, (also joint ventured with PlatSearch/Allender/Hosking) and ELs 3350-3354 (100% Newcrest) together with EL2948 comprise Newcrest's broader Curnamona Project.

Magnetic anomaly "A" was investigated during the reporting period based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400m. A field inspection of Anomaly "A" was carried out to establish the practical issues of drill testing this feature. Parallel longitudinal sand dunes makes access difficult and will require an all-wheel drive drill-rig and support vehicles.

A single vertical rotary-mud/diamond core drill-hole collared at approximately 449650mE, 6625500mN (MGA zone 54, GDA94) is planned to target anomaly "A" to a nominal depth of 600m in the next reporting period. Watson drilling contractors from Deniliquin, NSW has supplied Newcrest with a quote to do the rotary-mud pre-collar for this drill-hole. They are likely to have a suitable all-wheel drive drill-rig available to commence in September/October 2007.

Bibliographic Data:

Report Title:	Annual Technical Report: Exploration Licence 2948, "Poverty Lake" for the period 17 May 2006 to 16 May 2007.
Project Name:	Curnamona
Tenement Number:	EL2948
Tenement Holder:	Newcrest Operations Limited PlatSearch NL James F Allender / Anthony Hosking
Operator:	Newcrest Operations Limited
Commodities:	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit:	Curnamona Province
Stratigraphic Units:	Tertiary Namba, Eyre Formations Cretaceous Bulldog/Marree Units Cadna-owie Formation Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusives
1:250,000 Map Sheet:	FROME (SH54-10)
1:100:000 Map Sheets:	6936 Coonabine 6937 Cootabarlow 7036 Thurlooka 7037 Coonee
Keywords:	Mesoproterozoic, Benagerie Ridge, Gravity, Copper Gold.
Annotation:	Re-modelling & interpretation of ground magnetic data at anomaly "A" & a field visit to evaluate access to a proposed drill-hole at Anomaly "A".

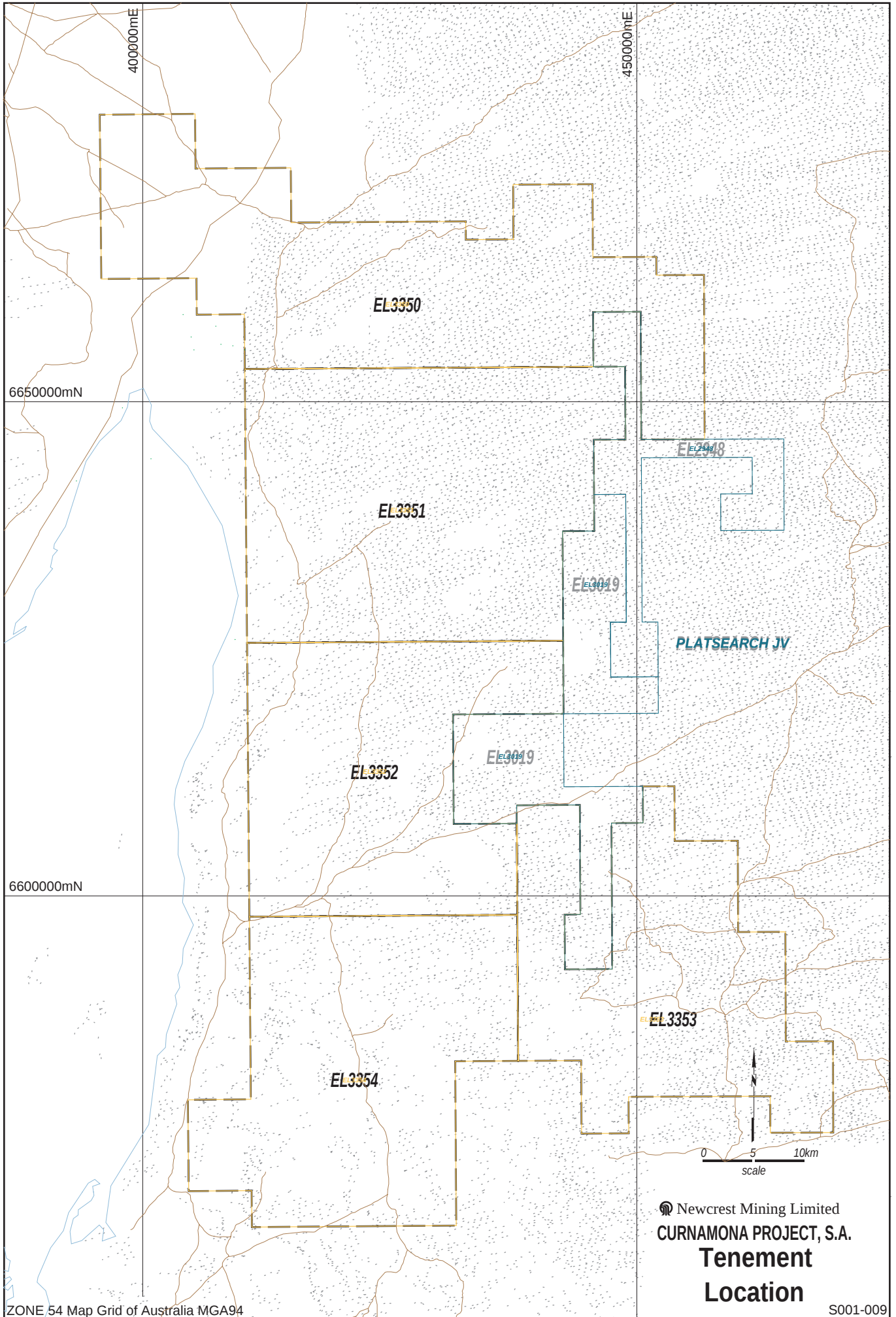
Newcrest Mining Limited

S.A. EXPLORATION Curnamona Project

Location Plan

0 250 500km
scale





1.0 INTRODUCTION, HISTORY AND EXPLORATION RATIONALE

EL2948 "Poverty Lake" lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strezlecki Desert (Figure Nos S001-000 and S001-009). It lies wholly on Quinyambie pastoral station and access has been utilised from Broken Hill, via the Silver City Highway to Yanco Glen, then gravelled road through Corona-Teilta to Quinyambie, and local station tracks.

EL2948 was originally granted to PlatSearch NL (50%), J F Allender (25%) and A Hosking (25%) on 16 May 2002 for an initial period of 1 year, covering an area of 175km² which encompassed a number of magnetic anomalies with similarities to that associated with the Dolores East Cu-(Au) prospect further south on neighbouring tenement EL2579. Newcrest Operations Limited joint ventured into both EL2948 and adjoining EL3019 on 19 April 2005 and is the current operator of these tenements, along with ELs 3350-3354 (100% Newcrest) adjoining to the west, which all comprise Newcrest's "Curnamona Project".

Drilling at the Dolores East prospect has intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600ppm copper over 192 metres to the end of the hole at 504m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks at this point is $\approx$ 307m.

The depth to basement and the nature of these Mesoproterozoic rocks are not known within EL2948, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentrol Australia Ltd, Oilmin/Petromin, Afmeco, Union Corporation, and others.

The exploration target in EL2948 is the general iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2.0 PREVIOUS EXPLORATION

2005-2006

A ground gravity survey with 500m x 500m spaced stations was completed over portions of EL2948 in two separate areas which overlie previously reported magnetic anomalies designated anomaly "A" (449500E 6625500N) and anomaly "D" (447500E 6634000N). The total number of new gravity station readings acquired on EL2948 is 327.

3.0 REGIONAL GEOLOGY

EL2948 "Poverty Lake" lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from this basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts, 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (~1580Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbowrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbowrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al 2004) which are thought to be closely associated with IOCG styles of mineralisation.

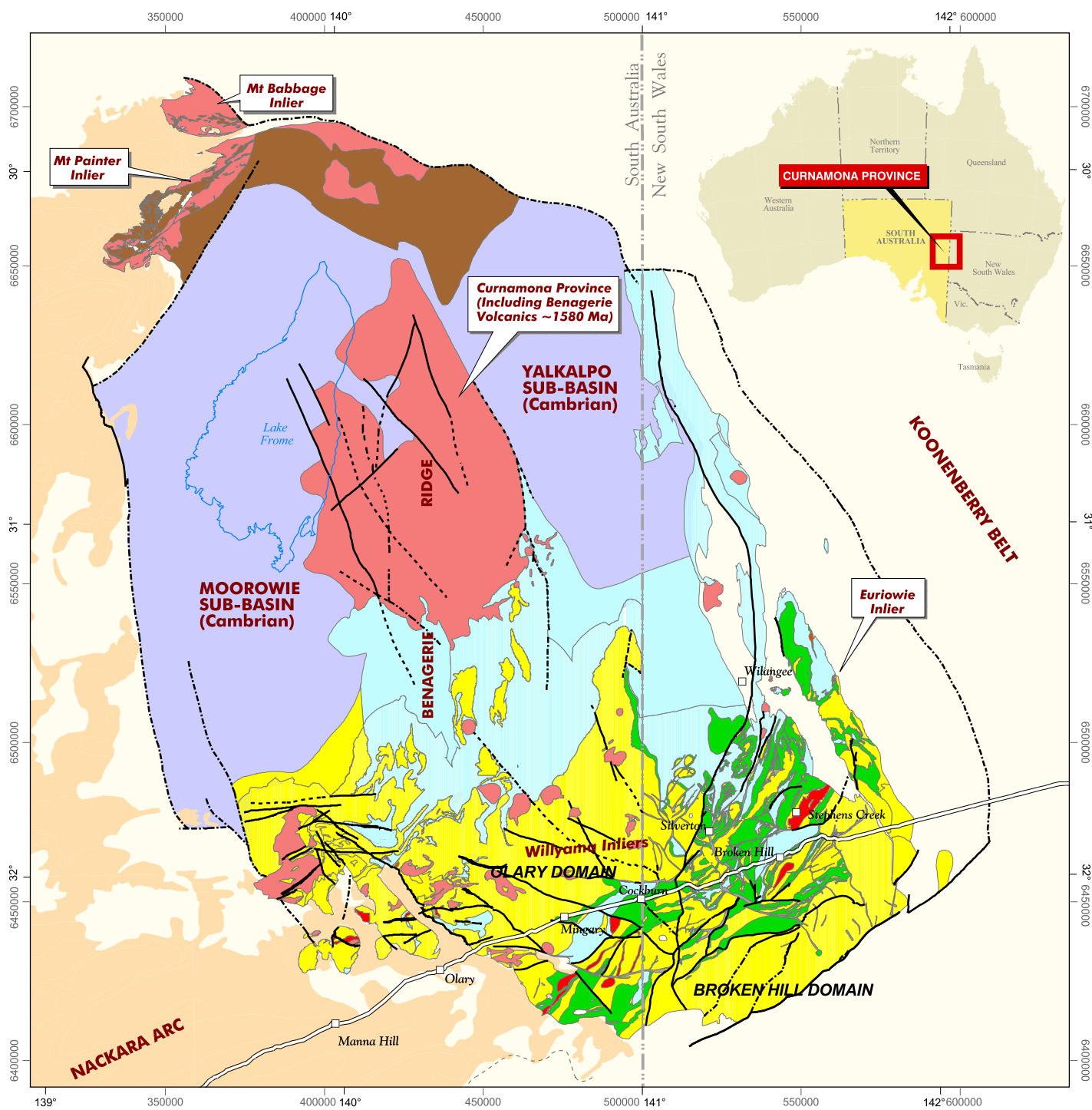
The closest basement intersecting drill hole to EL2948 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600ppm Cu over almost 200m to the end of hole at 504m. The depth of post-Proterozoic cover rocks at this location is 307 metres. No other holes in close proximity to EL2948 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales and sandy, conglomeratic units may themselves overlie possible older (?Cambrian) sediments in deeper portions of the basin.

Curnamona Province

GEOLOGY AND MINERALISATION

OUTCROP AND INTERPRETED SUBSURFACE GEOLOGY



- Cambrian
- Neoproterozoic
- Mesoproterozoic - granites and volcanics
- L-M - Undifferentiated
- Lg - Poodla Hill Suite ~1630 Ma
- Lga - Basso Suite ~1710 Ma
- Upper Willyama Supergroup
- Lwb - Broken Hill Group
- Lower Willyama Supergroup

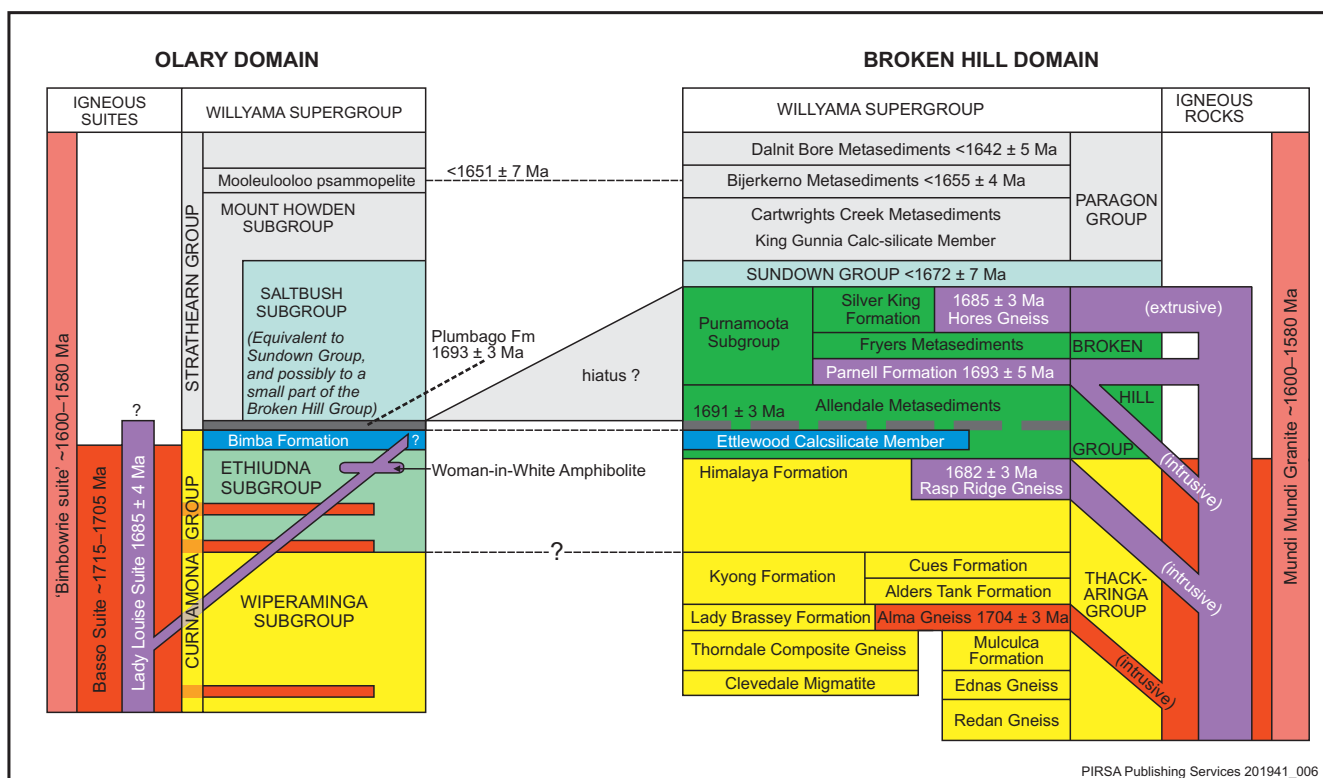


0 30 60 Kilometres
Grid Reference: MGA Zone 54

- Fault
- Fault - approximate
- Fault - inferred



PRIMARY INDUSTRIES
AND RESOURCES SA



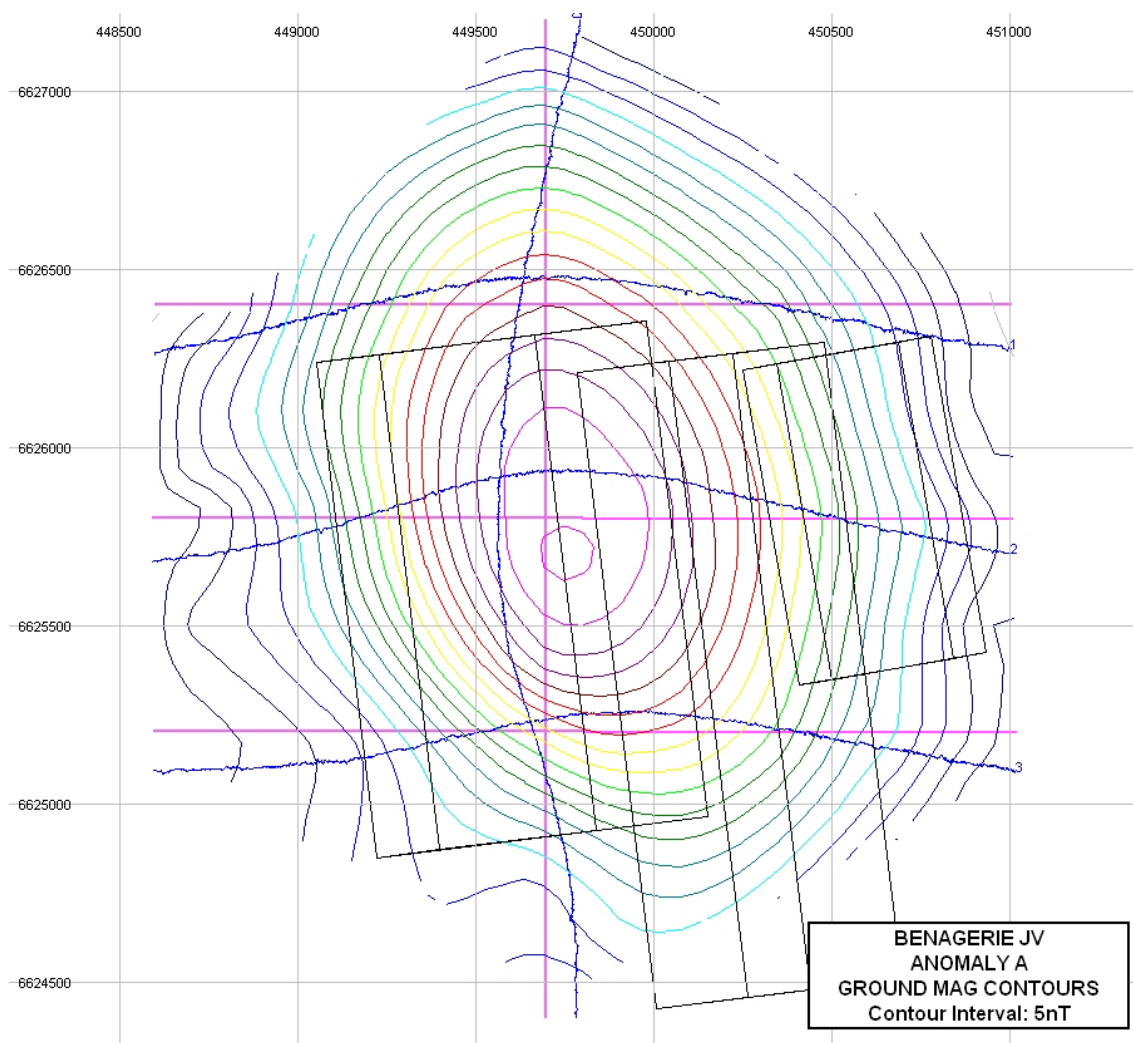
Stratigraphic correlation of the Olary and Broken Hill Domains

4.0 CURRENT EXPLORATION

Magnetic anomaly "A" defined in prior annual reports was investigated during the reporting period based on positive drilling results on neighbouring EL3019.

4.1 Geophysics – Ground Magnetic Modelling

Re-modelling and interpretation of the ground magnetic data for anomaly "A" was completed based on recent drilling results on neighbouring EL3019. Modelling of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400m (Figure 4). The anomaly is interpreted to be caused by three variable size bodies of moderate susceptibility (approximately 0.0010-0.0012 cgs). Ground magnetic TMI contours and a modelled profile of anomaly "A" are shown as Figures 3 and 4 (B. Richardson, PlatSearch NL).



**Figure 3. S001-022G
Ground Magnetic TMI Contours**

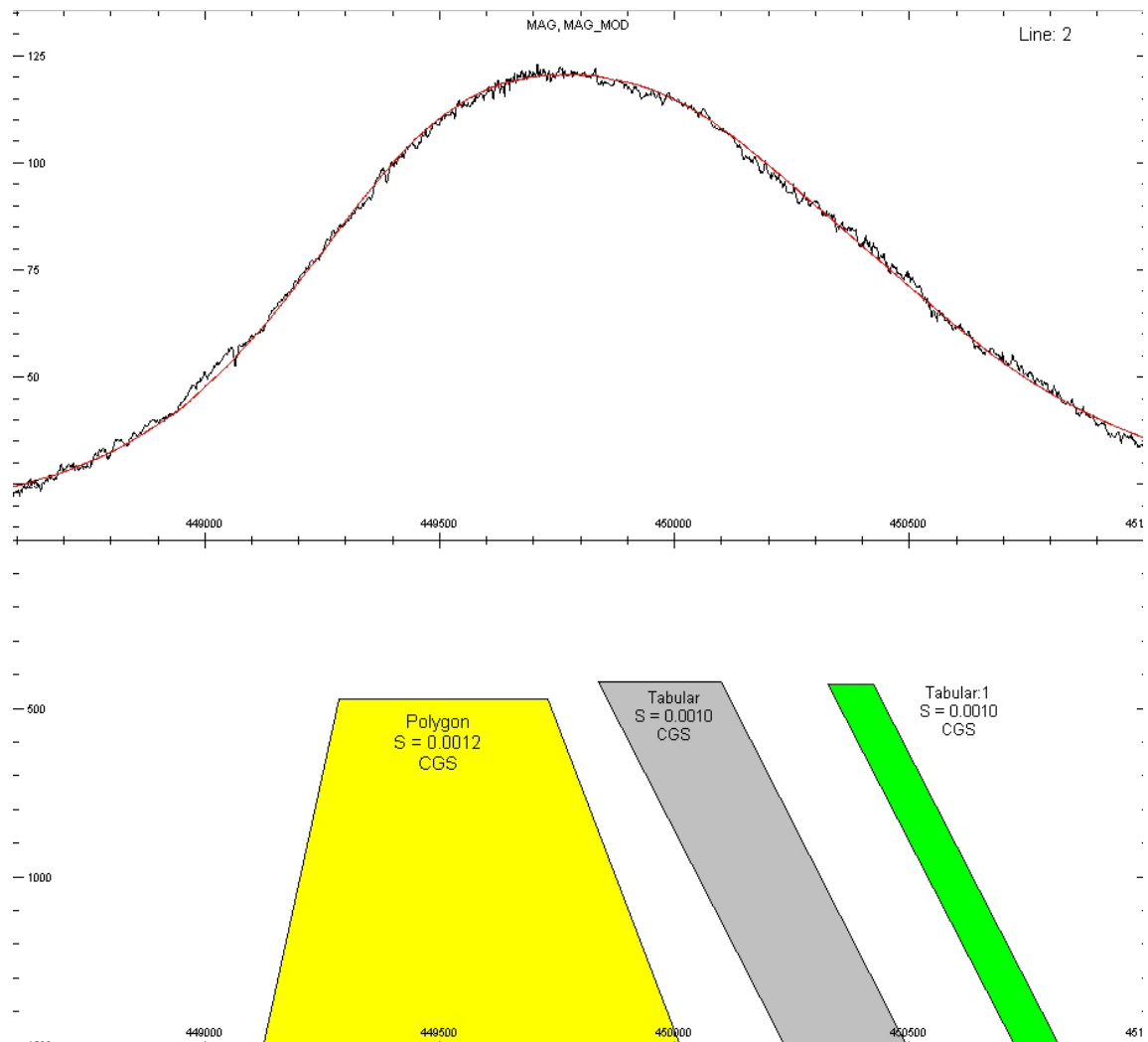


Figure 4. S001-023G
Modelled Profile of Anomaly A from Ground Magnetic Data

4.2 Field Trip

A field inspection / assessment of Anomaly “A” centred on MGA94_54, 449650mE, 6625500mN was carried out during the reporting period to determine the practical issues of drill testing this magnetic feature in the southern portion of the tenement. The local landscape of parallel longitudinal dunes and some salt lakes makes access difficult, even with an existing station track passing close to the anomaly and will require an all-wheel drive drill-rig and support vehicles. The nearest water supply point is Arboola Bore, located approximately 15km by station track to the west of anomaly “A” across Lake Bumbarlow.

4.3 Discussion

Anomaly “A” appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through the “Dolores East” iron-oxide copper prospect based on regional aeromagnetic data. Anomaly “A” is of similar size and amplitude to the Dolores East magnetic anomaly, which hosts a known iron-oxide copper hydrothermal alteration system, confirming it as a high priority drill target. Based on PACE and Newcrest acquired

gravity data, magnetic Anomaly "A" does not have an associated gravity anomaly and appears to lie on a steep regional gravity gradient. It is possible that this steep regional gravity gradient may "mask" any local positive gravity anomaly caused by a dense iron-oxide rich, mineralised body associated with anomaly "A".

5.0 PROPOSED WORK PROGRAMME

Initially a single vertical rotary-mud/core drill-hole, collared at MGA94_54, 449650mE, 6625500mN is planned to target anomaly "A" to a nominal depth of 600m. A diamond core "tail" of 200m -300m is envisaged to be completed into Proterozoic basement.

Negotiations with suitable Class 3 accredited drilling companies are well advanced to undertake this drillhole, in conjunction with other nearby planned holes on neighbouring tenements, including EL3019. Watson drilling from Deniliquin, NSW has supplied Newcrest with a quote to do the pre-collar for this drillhole and additional pre-collars on neighbouring tenements. They are likely to have a suitable all-wheel drive drill-rig available to commence in September/October 2007.

6.0 EXPENDITURE STATEMENT

Expenditure for the reporting period from 17th May 2006 to 16th May 2007 is as follows:

Category	Expenditure (\$)
Salaries	59,419
Drilling	-
Field Costs	2,556
Office Costs	4,128
Travel/Accommodation	2,298
Vehicles	479
Land/Legal	936
Geophysics – Ground Magnetics	350
Research Sponsorship	920
Total	\$71,086

The total cumulative expenditure for EL2948 is as follows:

From	To	Expenditure (\$)
17/05/2004	16/05/2005	\$9,722
17/05/2005	16/05/2006	\$82,300
17/05/2006	16/05/2007	\$71,086
Total		\$163,108

7.0 REFERENCES

Burt, A., and Betts, P., 2004. *Interpreted Solid Geology of the Curnamona Province, PIRSA map.*

Burt, A., et al., 2004. *Curnamona – an Emerging Cu-Au Province.* Mesa Journal 33.

Langmead, R., and Stewart, M.A., 2006. *Annual Technical Report Exploration Licence 2948 'Poverty Lake' for the Period 17th May, 2005 to 16th May, 2006 Curnamona Province SA.* NML Internal Report No. S015/1.

Report No: S015/3



ABN 20 005 683 625

Newcrest Operations Limited

**EXPLORATION LICENCE
3831
CURNAMONA PROJECT
BENAGERIE JV**

**ANNUAL TECHNICAL REPORT
To PIRSA**

For the Period Ending 11 July, 2008

**CURNAMONA PROVINCE
SOUTH AUSTRALIA**

1:250k Map Sheet: Frome SH54-10

Distribution:

**Newcrest Mining Limited, Perth
PlatSearch NL (Sydney)
PIRSA, Adelaide
J F Allender (Adelaide)**

Compiled By:

**R. Apel
M. A. Stewart
July, 2008**

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EXECUTIVE SUMMARY

Newcrest Operations Limited joint ventured into the PlatSearch/Allender/Hosking tenement EL2948 "Poverty Lake", during April 2005 as part of a broader search in the Curnamona Province for iron-oxide copper-gold-(uranium) styles of mineralisation associated with Mesoproterozoic rocks buried beneath cover sedimentary units of the Frome Basin. The tenement expired on May 16, 2007 and was subsequently replaced by EL3831. Adjoining tenements EL3019, (also joint ventured with PlatSearch/Allender/Hosking) and ELs 3350-3354 (100% Newcrest) together with EL3831 comprise Newcrest's broader Curnamona Project.

Magnetic anomaly "A" was investigated during the reporting period based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400m. A field inspection of Anomaly "A" was carried out to establish the practical issues of drill testing this feature. Parallel longitudinal sand dunes makes access difficult and will require an all-wheel drive drill-rig and support vehicles.

A single vertical rotary-mud/diamond core drillhole was collared at 449650mE, 6625500mN (MGA zone 54, GDA94) to target anomaly "A" and was drilled to a depth of 321.7m. The hole failed to reach its targeted depth of 600m. Watson drilling from Deniliquin, NSW was contracted for the programme.

Exploration Licence 3831(Formerly EL2948) Curnamona Project Benagerie JV Annual
Technical Report to PIRSA For Period Ending 11 July, 2008 Curnamona Province SA

Newcrest
Library

report_no S015/3

31-Jul-08

Author R. Apel; M. A. Stewart

Year: 2008

Company: Newcrest Operations Limited
Platsearch NL J F Allender

DataSet: BENAGERIE JV

Old report no:

**Map sheet
(1:250k):** FROME SH54-10

Tenement: EL3831

**Map sheet
(1:100k):** Coonarbine 6936
Cootabarlow 6937
Thurlooka 7036 7037

Grid Reference: 450100mE 6648000mN

Locality: Curnamona

Data : RM_DDHH - 1- 321.7m

Surveys:

Assays:

Keywords:

Curnamona Province Tertiary Namba Eyre Formation Cretaceous Bulldog Marree
Mesoproterozoic Bimbowrie Supersuite Volcanics Intrusives Benagerie Ridge
Copper Gold

Prospect Anomaly A

**Geological
Annotation:**

Drilling of the interpreted ground magnetic anomaly at Anomaly "A" failed to
penetrate beneath Frome basement sediments and reach the target depth of
600m. No further exploration is recommended.

Notes:

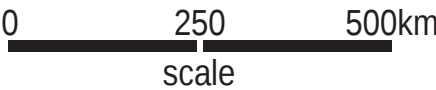
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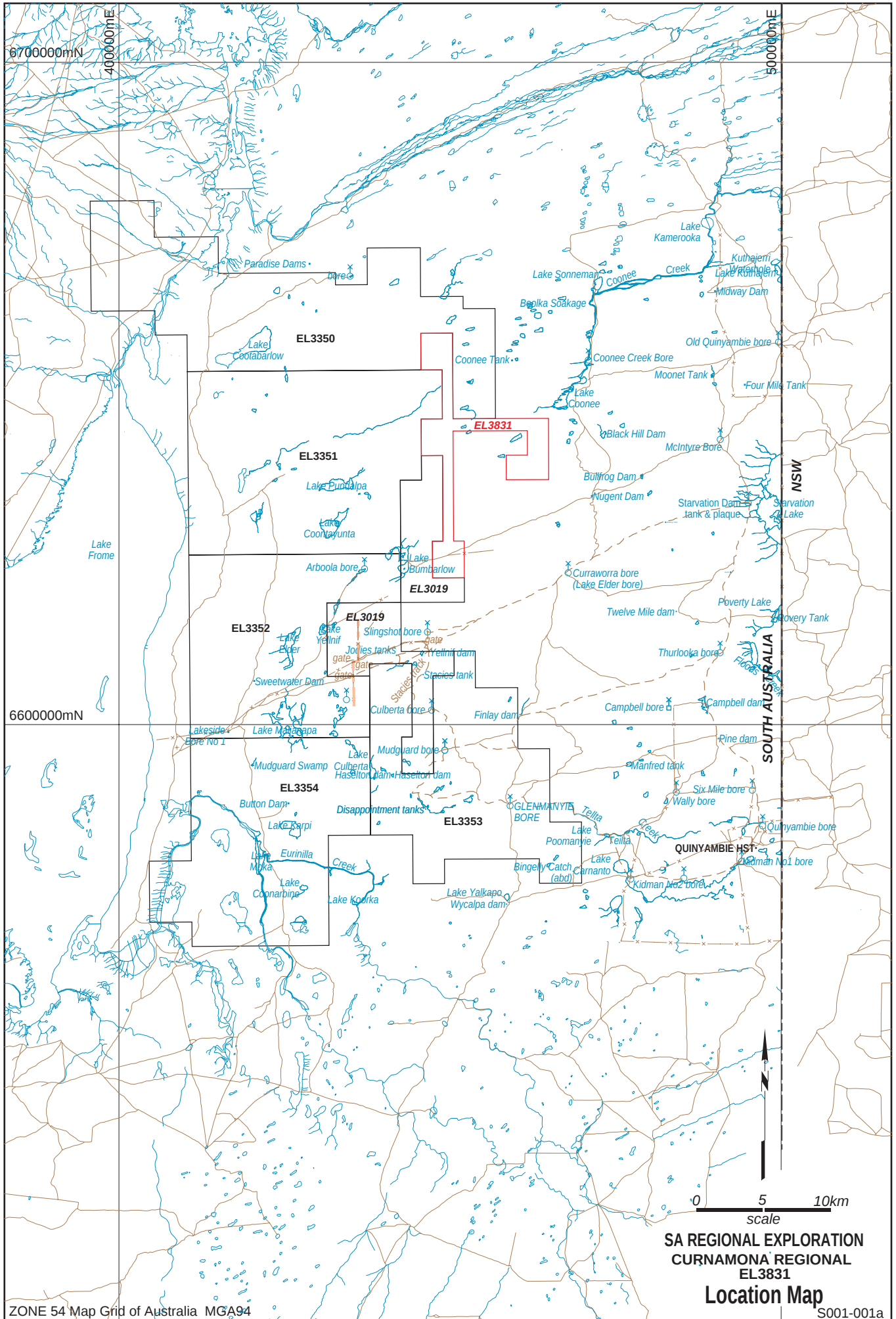
Report Title:	Annual Technical Report: Exploration Licence 3831, for the period Ending 11 July, 2008 .
Project Name:	Curnamona
Tenement Number:	EL3831
Tenement Holder:	Newcrest Operations Limited PlatSearch NL James F Allender / Anthony Hosking
Operator:	Newcrest Operations Limited
Commodities:	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit:	Curnamona Province
Stratigraphic Units:	Tertiary Namba, Eyre Formations Cretaceous Bulldog/Marree Units Cadna-owie Formation Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusives
1:250,000 Map Sheet:	FROME (SH54-10)
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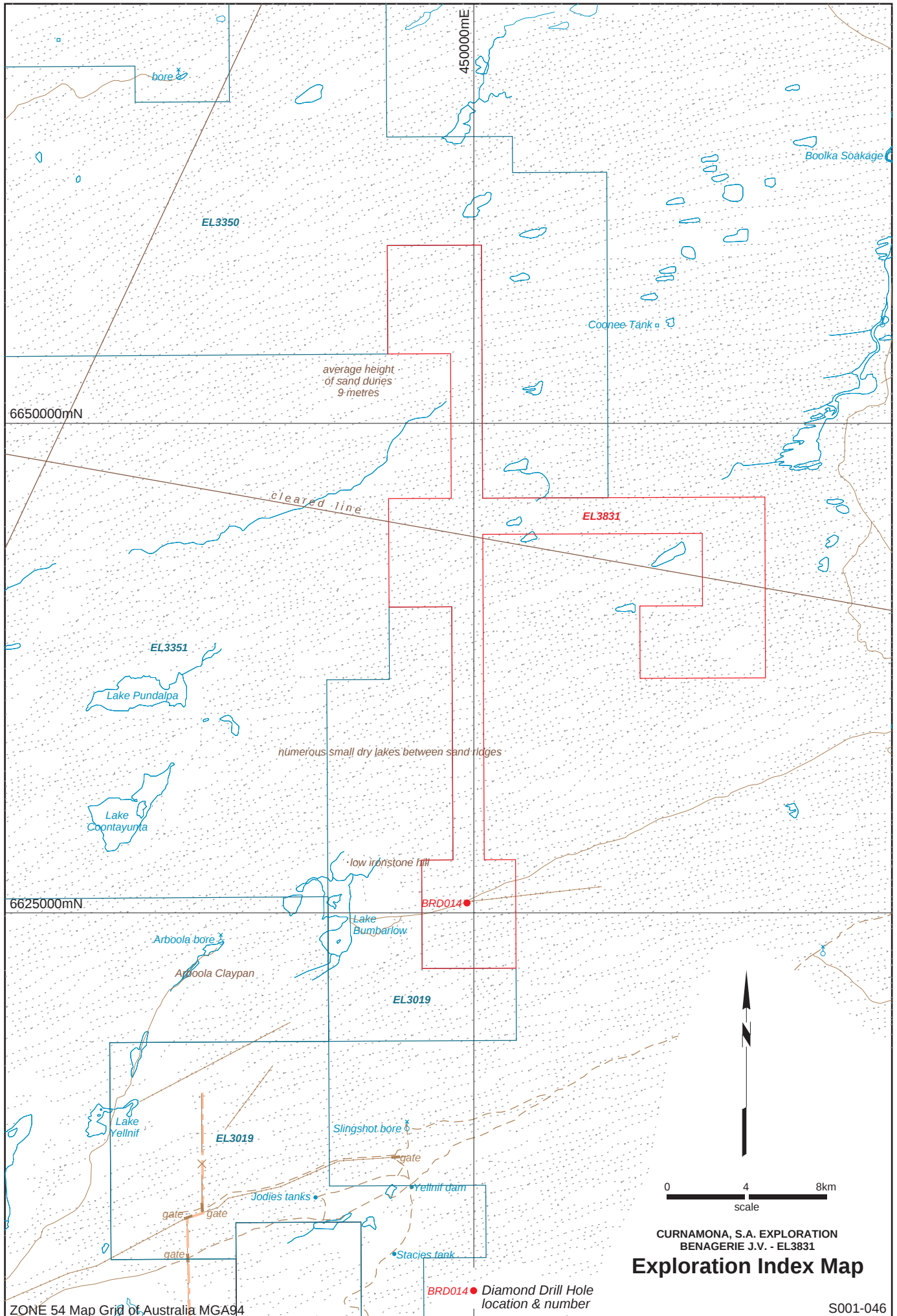
Newcrest Mining Limited

**S.A. EXPLORATION
Curnamona Regional**

Location Plan







1.0 INTRODUCTION, HISTORY AND EXPLORATION RATIONALE

EL3831 (formerly EL2948 "Poverty Lake") lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strezlecki Desert (Figure Nos S001-000, S001-000a and S001-046). It lies wholly on Quinyambie pastoral station and access has been utilised from Broken Hill, via the Silver City Highway to Yanco Glen, then gravelled road through Corona-Teilta to Quinyambie, and local station tracks.

EL2948 was originally granted to PlatSearch NL (50%), J F Allender (25%) and A Hosking (25%) on 16 May 2002 for an initial period of 1 year, covering an area of 175km² which encompassed a number of magnetic anomalies with similarities to that associated with the Dolores East Cu-(Au) prospect further south on neighbouring tenement EL2579. Newcrest Operations Limited joint ventured into both EL2948 and adjoining EL3019 on 19 April 2005 and is the current operator of these tenements, along with ELs 3350-3354 (100% Newcrest) adjoining to the west, which all comprise Newcrest's "Curnamona Project". On the 16 May, 2007 the tenement expired and was replaced by EL3831 covering the same area of 175km².

Drilling at the Dolores East prospect has intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600ppm copper over 192 metres to the end of the hole at 504m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks at this point is $\approx$ 307m.

The depth to basement and the nature of these Mesoproterozoic rocks are unknown within EL3831, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentrol Australia Ltd, Oilmin/Petromin, Afrmeco, Union Corporation, and others.

The exploration target in EL3831 is the general iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2.0 PREVIOUS EXPLORATION

2005-2006

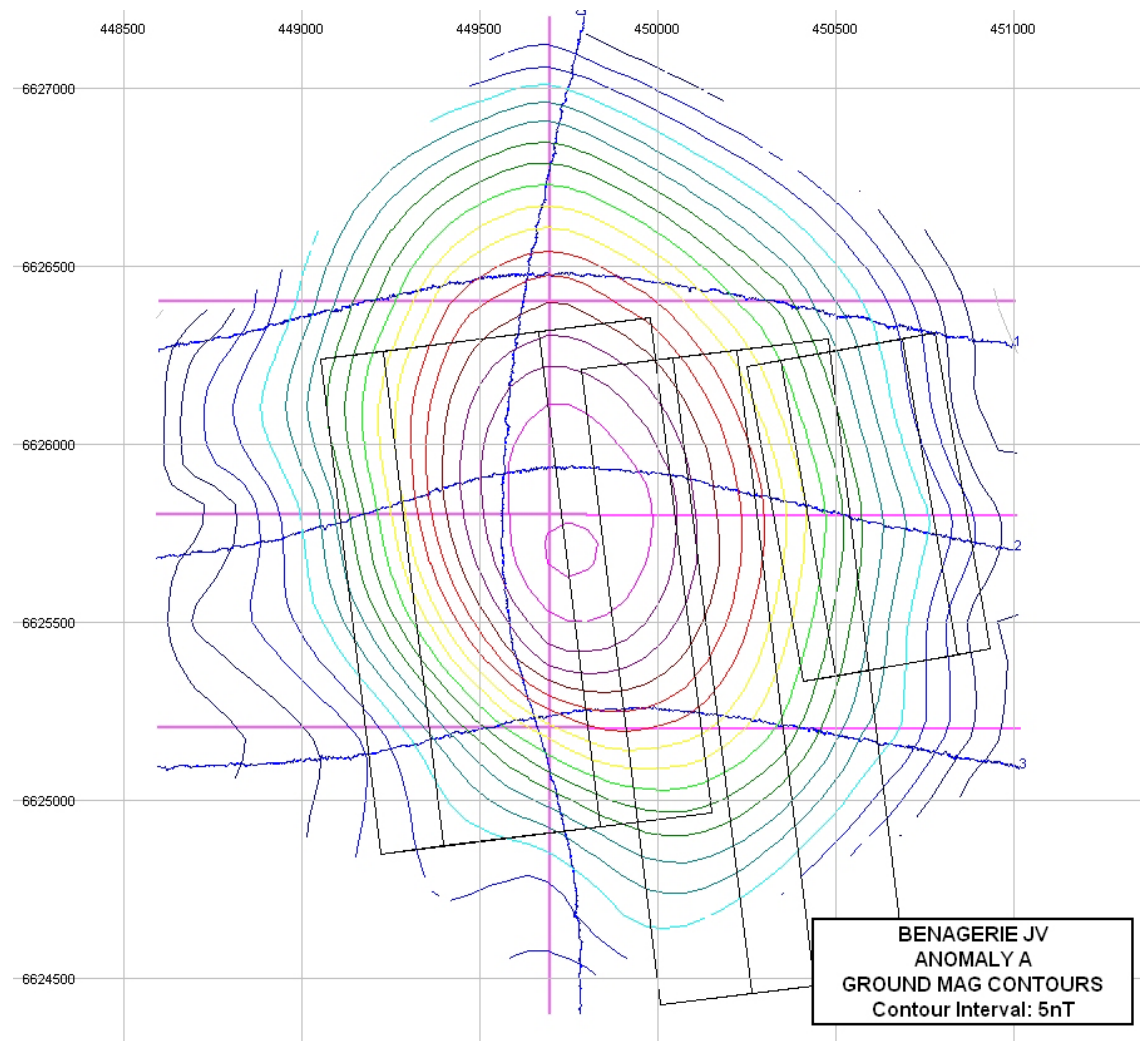
A ground gravity survey with 500m x 500m spaced stations was completed over portions of EL2948 in two separate areas which overlie previously reported magnetic anomalies designated anomaly "A" (449500E 6625500N) and anomaly "D" (447500E 6634000N). The total number of new gravity station readings acquired on EL2948 is 327.

2006-2007

Magnetic anomaly "A" was investigated based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400m. A field inspection of Anomaly "A" was carried out to establish the practical issues of drill testing this feature. Parallel longitudinal sand dunes makes access difficult and will require an all-wheel drive drill-rig and support vehicles.

Re-modelling and interpretation of the ground magnetic data for anomaly "A" was completed based on recent drilling results on neighbouring EL3019. Modelling of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400m (Figure 4). The anomaly is interpreted to be caused by three variable size bodies of moderate

susceptibility (approximately 0.0010-0.0012 cgs). Ground magnetic TMI contours and a modelled profile of anomaly "A" are shown as Figures 3 and 4 (B. Richardson, PlatSearch NL).



**Figure 3. S001-022G
Ground Magnetic TMI Contours**

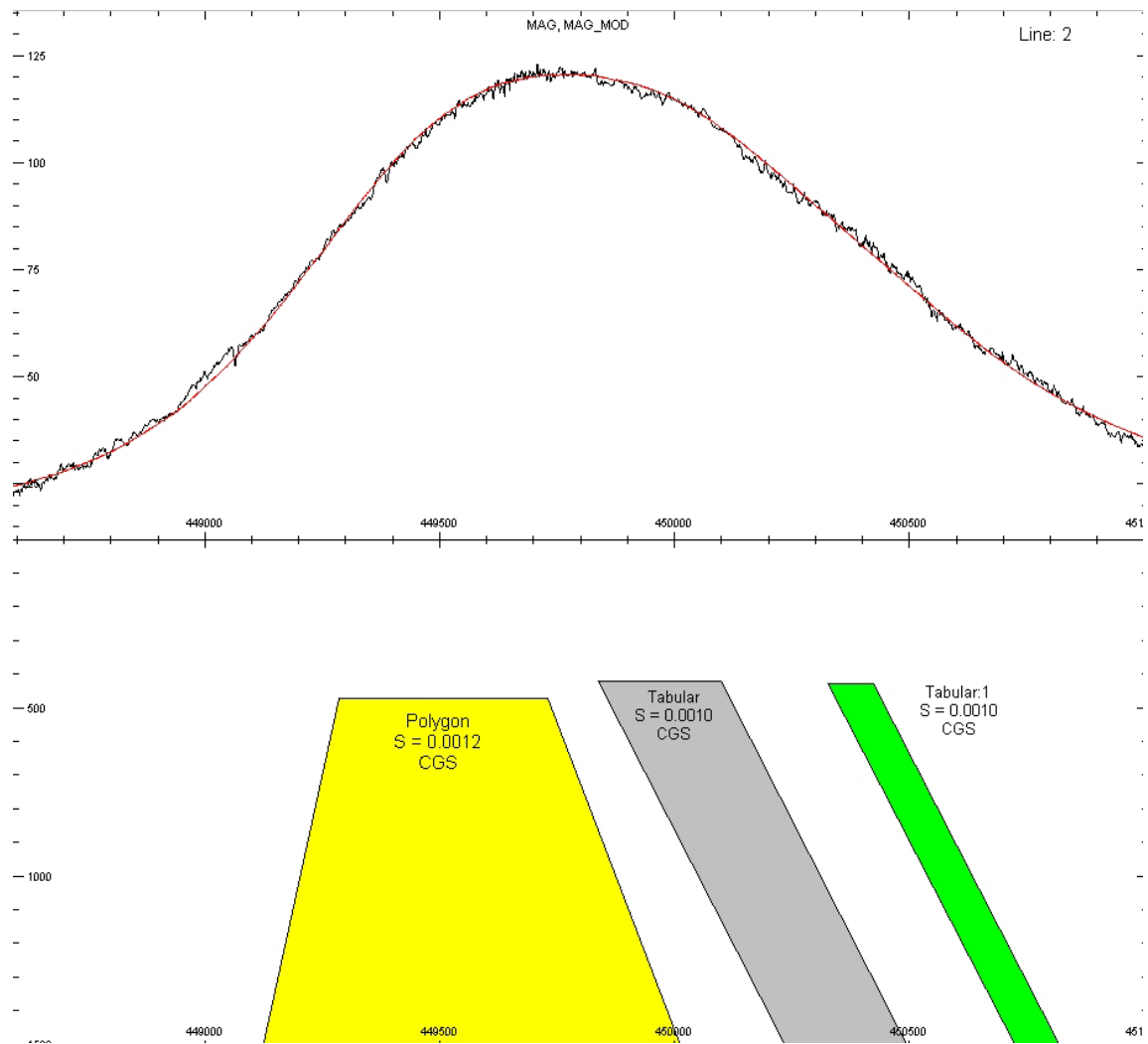


Figure 4. S001-023G
Modelled Profile of Anomaly A from Ground Magnetic Data

A field inspection / assessment of Anomaly “A” centred on MGA94_54, 449650mE, 6625500mN was conducted to determine the practical issues of drill testing this magnetic feature in the southern portion of the tenement. The local landscape of parallel longitudinal dunes and some salt lakes makes access difficult, even with an existing station track passing close to the anomaly and will require an all-wheel drive drill-rig and support vehicles. The nearest water supply point is Arboola Bore, located approximately 15km by station track to the west of anomaly “A” across Lake Bumbarlow.

Anomaly “A” appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through the “Dolores East” iron-oxide copper prospect based on regional aeromagnetic data. Anomaly “A” is of similar size and amplitude to the Dolores East magnetic anomaly, which hosts a known iron-oxide copper hydrothermal alteration system, confirming it as a high priority drill target. Based on PACE and Newcrest acquired gravity data, magnetic Anomaly “A” does not have an associated gravity anomaly and appears to lie on a steep regional gravity gradient. It is possible that this steep regional gravity gradient may “mask” any local positive gravity anomaly caused by a dense iron-oxide rich, mineralised body associated with anomaly “A”.

3.0 REGIONAL GEOLOGY

EL3831 lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from this basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts, 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (~1580Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbowrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbowrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al 2004) which are thought to be closely associated with IOCG styles of mineralisation.

The closest basement intersecting drill hole to EL3831 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600ppm Cu over almost 200m to the end of hole at 504m. The depth of post-Proterozoic cover rocks at this location is 307 metres. No other holes in close proximity to EL3831 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales and sandy, conglomeratic units may themselves overlie possible older (?Cambrian) sediments in deeper portions of the basin.

4.0 CURRENT EXPLORATION

Magnetic anomaly "A" defined in prior annual reports was investigated during the reporting period based on positive drilling results recorded from neighbouring EL3019.

A single vertical rotary-mud (304m) / diamond core (17.7m – HQ3) drill-hole, BRD014 was collared at MGA94_54, 449650mE, 6625500mN to target anomaly "A" to a nominal depth of 600m. Watson drilling services of Deniliquin, NSW was contracted for the programme. The hole failed to penetrate through to the targeted depth and was terminated at 321.7m, passing through oxidised to partially oxidised cover sequences of Frome basement sediments comprising claystone, sandstone, shale and marl.

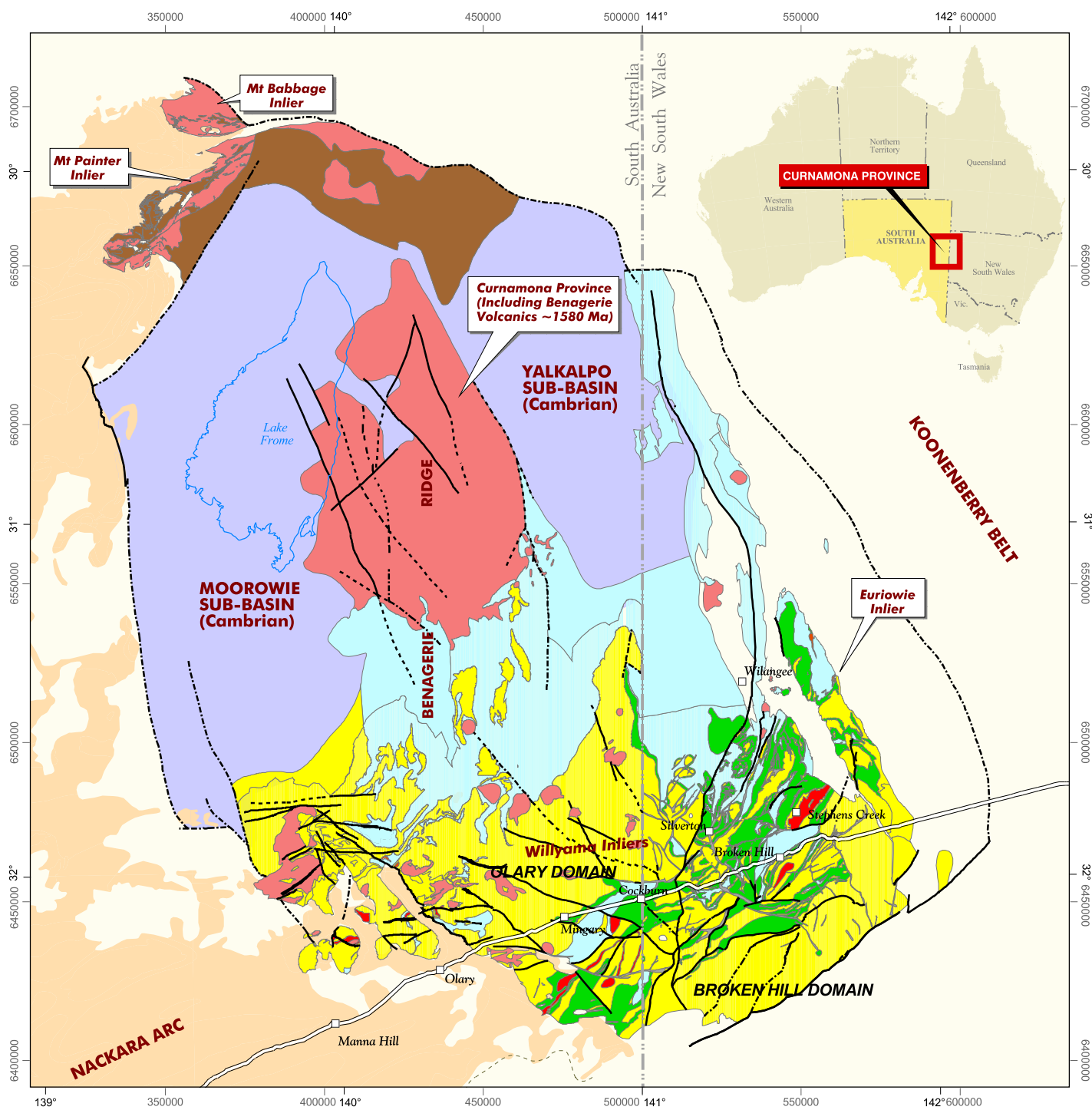
Figure No. S001-046 presents the location of drillhole BRD014. No technical data was recorded for this hole. No samples were assayed.

Hole No	MGA94_54 North	MGA94_54 East	Dip (°)	Interval (m)	Geology
BRD014	6625500	449650	-90°	0-6	Aeolian Sand
				6-66	Intercalated claystone and sandstone
				66-72	Marl
				72-98	Intercalated marl and sandstone
				98-321.7	Intercalated claystone, shale and sandstone

Curnamona Province

GEOLOGY AND MINERALISATION

OUTCROP AND INTERPRETED SUBSURFACE GEOLOGY



- Cambrian
- Neoproterozoic
- Mesoproterozoic - granites and volcanics
- L-M - Undifferentiated
- Lg - Poodla Hill Suite ~1630 Ma
- Lga - Basso Suite ~1710 Ma
- Upper Willyama Supergroup
- Lwb - Broken Hill Group
- Lower Willyama Supergroup

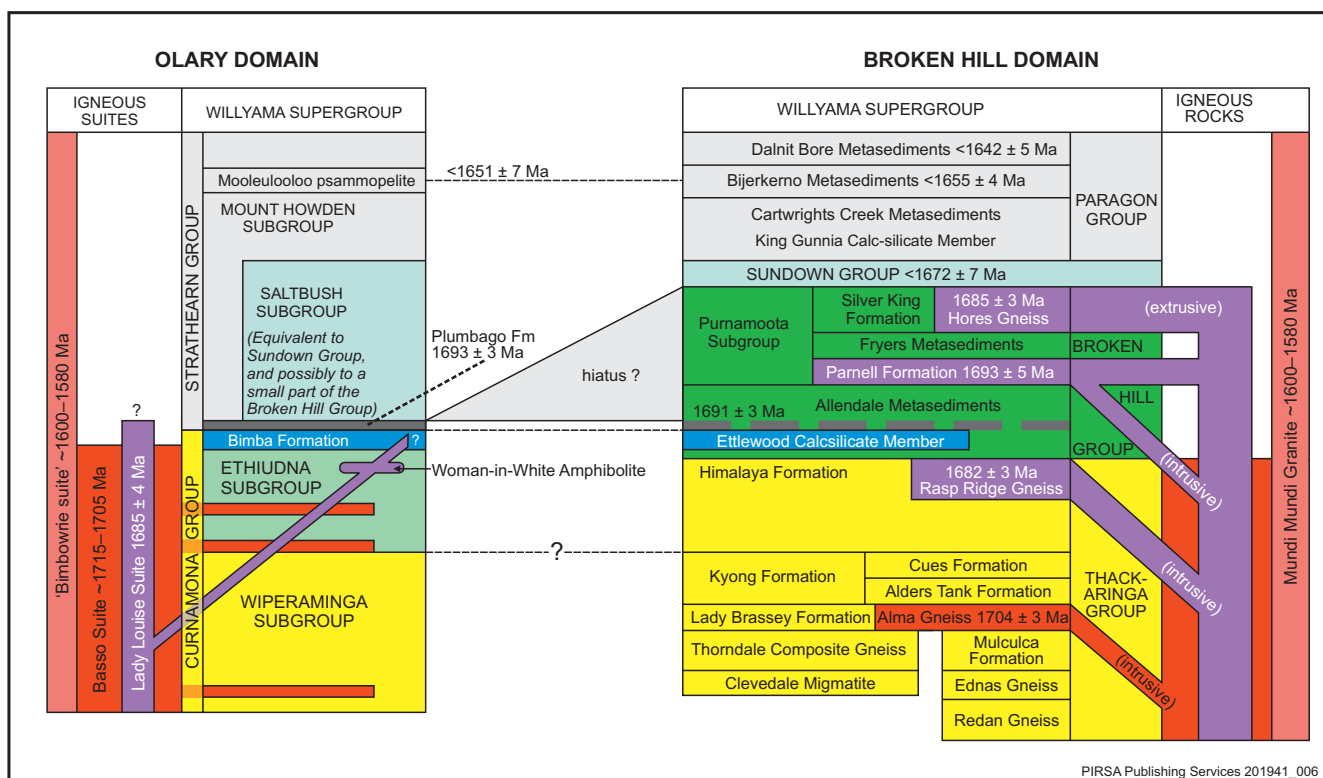


0 30 60 Kilometres
Grid Reference: MGA Zone 54

- Fault
- Fault - approximate
- Fault - inferred



PRIMARY INDUSTRIES
AND RESOURCES SA



Stratigraphic correlation of the Olary and Broken Hill Domains

5.0 CONCLUSION

No further exploration is recommended for this tenement.

6.0 EXPENDITURE STATEMENT

Expenditure for the reporting period from 17th May 2007 to 11th July 2008 for EL3831 is as follows:

Category	Expenditure (\$)
Salaries	\$76,074
Drilling	\$277,174
Field Costs	\$1,132
Office Costs	\$16,631
Travel/Accommodation	\$4,651
Vehicles	\$352
Land/Legal	803
Geophysics	\$1,732
Total	\$378,549

The total cumulative expenditure for EL2948/EL3831 is as follows:

From	To	Expenditure (\$)
17/05/2004	16/05/2005	\$9,722
17/05/2005	16/05/2006	\$82,300
17/05/2006	16/05/2007	\$71,086
17/5/2007	11/7/2008	\$378,549
Total		\$541,657

7.0 REFERENCES

Burt, A., and Betts, P., 2004. *Interpreted Solid Geology of the Curnamona Province, PIRSA map.*

Burt, A., et al., 2004. *Curnamona – an Emerging Cu-Au Province.* Mesa Journal 33.

Langmead, R., and Stewart, M.A., 2006. *Annual Technical Report Exploration Licence 2948 'Poverty Lake' for the Period 17th May, 2005 to 16th May, 2006 Curnamona Province SA.* NML Internal Report No. S015/1.

Langmead, R., and Stewart, M.A., 2007. *Annual Technical Report Exploration Licence 2948 'Poverty Lake' for the Period 17th May, 2006 to 16th May, 2007 Curnamona Province SA.* NML Internal Report No. S015/2.

Report No: S015/4



ABN 20 005 683 625

Newcrest Operations Limited

**EXPLORATION LICENCE
3831
CURNAMONA PROJECT
BENAGERIE JV**

**ANNUAL TECHNICAL REPORT
To PIRSA**

For the Period Ending 11 July, 2009

**CURNAMONA PROVINCE
SOUTH AUSTRALIA**

1:250k Map Sheet: Frome SH54-10

Distribution:

**Newcrest Mining Limited, Perth
PlatSearch NL (Sydney)
PIRSA, Adelaide
J F Allender (Adelaide)**

Compiled By:

**R. Fowler
Sep, 2009**

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EXECUTIVE SUMMARY

Newcrest Operations Limited joint ventured into the PlatSearch/Allender/Hosking tenement EL2948 "Poverty Lake", during April 2005 as part of a broader search in the Curnamona Province for iron-oxide copper-gold-(uranium) styles of mineralisation associated with Mesoproterozoic rocks buried beneath cover sedimentary units of the Frome Basin. The tenement expired on May 16, 2007 and was subsequently replaced by EL3831. Adjoining tenements EL3019, (also joint ventured with PlatSearch/Allender/Hosking) and ELs 3350-3354 (100% Newcrest) together with EL3831 comprise Newcrest's broader Curnamona Project.

Magnetic anomaly "A" was investigated during the reporting period based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly "A" indicates that the depth to the top of the anomaly is likely to be approximately 400m. A field inspection of Anomaly "A" was carried out to establish the practical issues of drill testing this feature.

A single vertical rotary-mud/diamond core drill-hole (BRD014), was collared at 449650mE, 6625500mN (MGA zone 54, GDA94) to target anomaly "A" and was drilled to a depth of 321.7m. The hole failed to reach its targeted depth of 600m due to significant artesian water flows. Watson drilling from Deniliquin, NSW was contracted for the programme.

Bibliographic Data:

Report Title:	Annual Technical Report: Exploration Licence 3831, for the period Ending 11 July, 2009 .
Project Name:	Curnamona
Tenement Number:	EL3831
Tenement Holder:	Newcrest Operations Limited PlatSearch NL James F Allender / Anthony Hosking
Operator:	Newcrest Operations Limited
Commodities:	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit:	Curnamona Province
Stratigraphic Units:	Tertiary Namba, Eyre Formations Cretaceous Bulldog/Marree Units Cadna-owie Formation Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusives
1:250,000 Map Sheet:	FROME (SH54-10)
1:100:000 Map Sheets:	6936 Coonarbine 6937 Cootabarlow 7036 Thurlooka 7037 Coonee
Keywords:	Mesoproterozoic, Benagerie Ridge, Gravity, Copper Gold.
Annotation:	Drilling of the interpreted ground magnetic anomaly at Anomaly "A" failed to penetrate beneath Frome basement sediments and reach the target depth of 600m. No further exploration is recommended

1.0 INTRODUCTION, HISTORY AND EXPLORATION RATIONALE

EL3831 (formerly EL2948 “Poverty Lake”) lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strezlecki Desert (Figure Nos S001-000, S001-000a and S001-046). It lies wholly on Quinyambie pastoral station and access has been utilised from Broken Hill, via the Silver City Highway to Yanco Glen, then gravelled road through Corona-Teilita to Quinyambie, and local station tracks.

EL2948 was originally granted to PlatSearch NL (50%), J F Allender (25%) and A Hosking (25%) on 16 May 2002 for an initial period of 1 year, covering an area of 175km² which encompassed a number of magnetic anomalies with similarities to that associated with the Dolores East Cu-(Au) prospect further south on neighbouring tenement EL2579. Newcrest Operations Limited joint ventured into both EL2948 and adjoining EL3019 on 19 April 2005 and is the current operator of these tenements. Along with EL’s 3350-3354 (100% Newcrest) adjoining to the west, the region is termed by Newcrest “Curnamona Project”.

On the 16 May, 2007 the tenement expired and was replaced by EL3831 covering the same area of 175km².

Drilling at the Dolores East prospect has intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600ppm copper over 192 metres to the end of the hole at 504m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks at this point is ≈ 307m.

The depth to basement and the nature of these Mesoproterozoic rocks are unknown within EL3831, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentrol Australia Ltd, Oilmin/Petromin, Afmeco, Union Corporation, and others.

The exploration target in EL3831 is iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2.0 PREVIOUS EXPLORATION

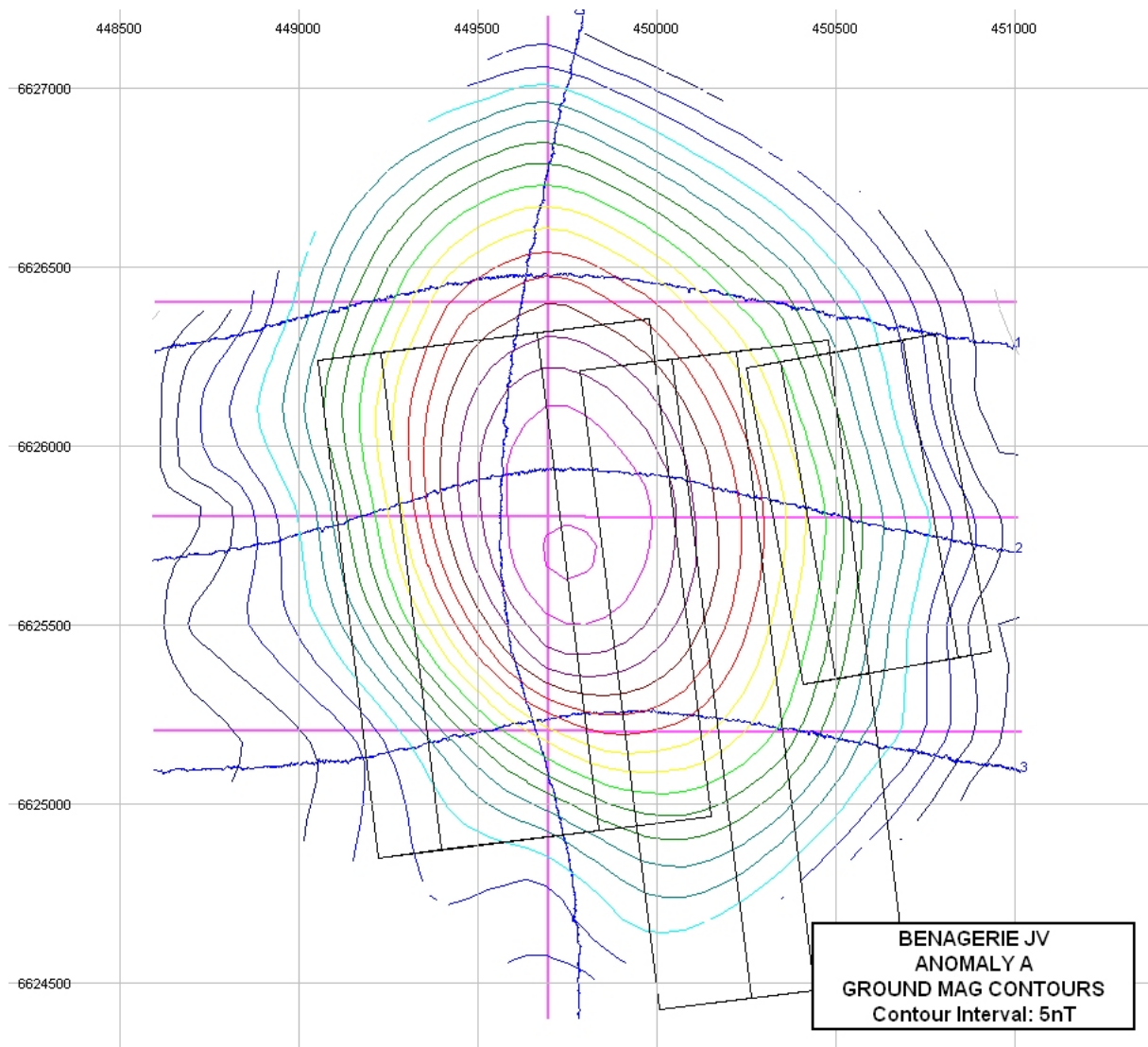
2005-2006

A ground gravity survey with 500m x 500m spaced stations was completed over portions of EL2948 in two separate areas which overlie previously reported magnetic anomalies designated anomaly “A” (449500E 6625500N) and anomaly “D” (447500E 6634000N). The total number of new gravity station readings acquired on EL2948 was 327.

2006-2007

Magnetic anomaly “A” was investigated based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly “A” indicates that the depth to the top is likely to be approximately 400m (Figure 4).

The anomaly is interpreted to be caused by three variable size bodies of moderate susceptibility (approximately 0.0010-0.0012 cgs). Ground magnetic TMI contours and a modelled profile of anomaly “A” are shown as Figures 3 and 4 (B. Richardson, PlatSearch NL).



**Figure 3. S001-022G
Ground Magnetic TMI Contours**

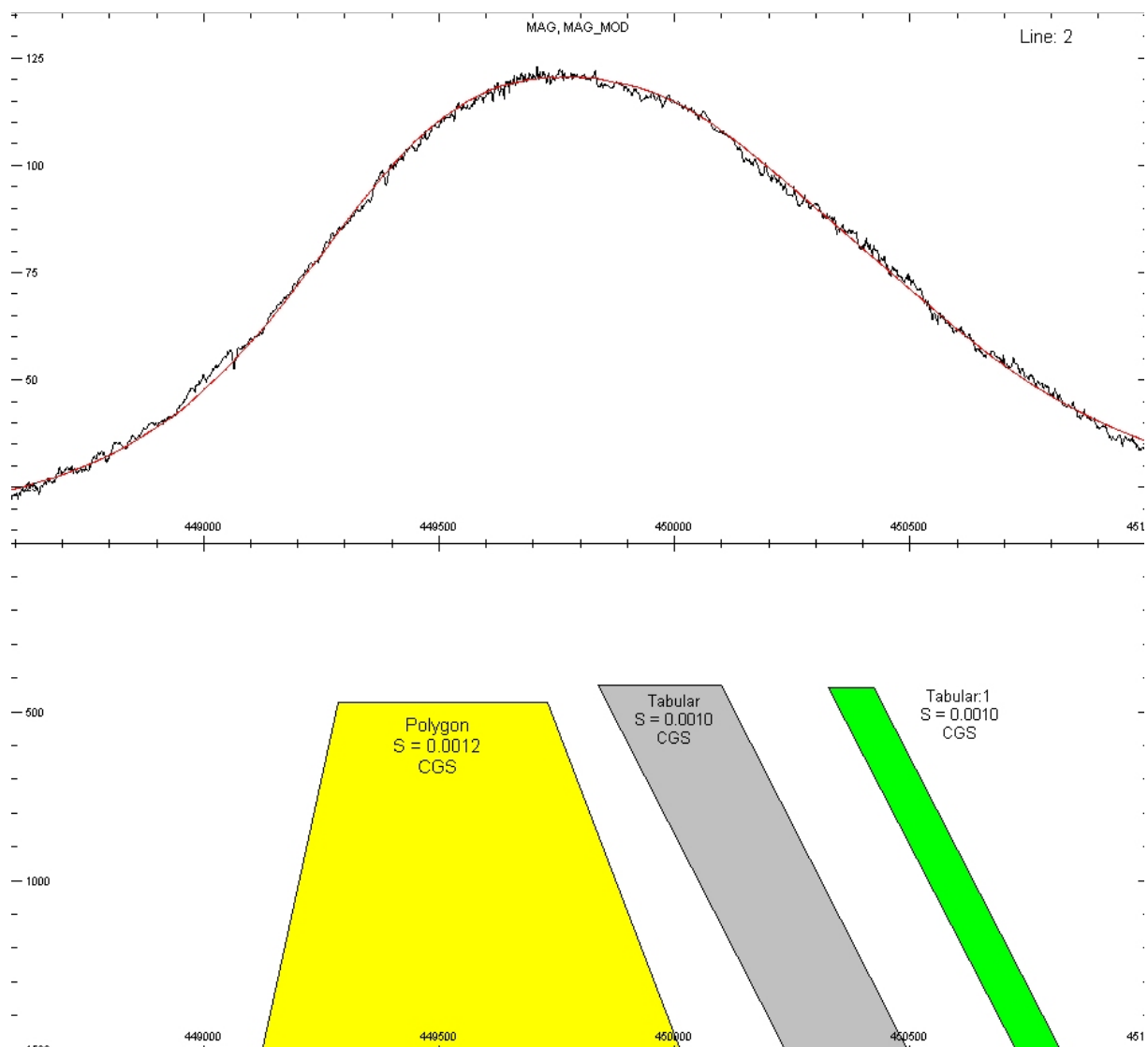


Figure 4. S001-023G
Modelled Profile of Anomaly A from Ground Magnetic Data

A field inspection / assessment of Anomaly “A” centred on MGA94_54, 449650mE, 6625500mN was conducted to determine the practical issues of drill testing this magnetic feature in the southern portion of the tenement. The local landscape of parallel longitudinal dunes and some salt lakes makes access difficult, even with an existing station track passing close to the anomaly. The nearest water supply point is Arboola Bore, located approximately 15km by station track to the west of anomaly “A” across Lake Bumbarlow.

Anomaly “A” appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through the “Dolores East” iron-oxide copper prospect based on regional aeromagnetic data. The anomaly is of similar size and amplitude to the Dolores East magnetic anomaly, which hosts a known iron-oxide copper hydrothermal alteration system, confirming it as a high priority drill target. Based on PACE and Newcrest acquired gravity data, magnetic Anomaly “A” does not have an associated gravity anomaly and appears to lie on a steep regional gravity gradient. It is possible that this steep regional gravity gradient may “mask” any local positive gravity anomaly caused by a dense iron-oxide rich, mineralised body associated with anomaly “A”.

2007-2008

A single vertical rotary-mud (304m) / diamond core (17.7m – HQ3) drill-hole, BRD014 was collared at MGA94_54, 449650mE, 6625500mN to target anomaly “A” and was planned to a nominal depth of 600m.

The hole failed to penetrate through to the targeted depth and was terminated at 321.7m due to significant artesian water flows. Geology encountered in the hole comprised oxidised to partially oxidised cover sequences of Frome basement sediments consisting of claystone, sandstone, shale and marl. No technical data was recorded for this hole and no samples were assayed.

Hole No	MGA94_54 North	MGA94_54 East	Dip (°)	Interval (m)	Geology
BRD014	6625500	449650	-90 ⁰	0-6	Aeolian Sand
				6-66	Intercalated claystone and sandstone
				66-72	Marl
				72-98	Intercalated marl and sandstone
				98-321.7	Intercalated claystone, shale and sandstone

3.0 REGIONAL GEOLOGY

EL3831 lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from the basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts, 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (~1580Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbowrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbowrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al 2004) which are thought to be closely associated with IOCG styles of mineralisation.

The closest basement intersecting drill hole to EL3831 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and is located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600ppm Cu over almost 200m to the end of hole at 504m. The depth of post-Proterozoic cover rocks at this location is 307 metres. No other holes in close proximity to EL3831 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales and sandy, conglomeratic units may themselves overlie possible older (?Cambrian) sediments in deeper portions of the basin.

4.0 CURRENT EXPLORATION

Limited office based review of data was undertaken during the reporting period.

During March 2009 a total of seven drill sites and access tracks were checked and rehabilitated. Natural re-vegetation on the tracks was generally well established.

No other field activities were undertaken on EL3831 for the period.

5.0 CONCLUSION

Due to the significant depth of the cover sequence and artesian water flow encountered in BRD014, no further exploration is recommended for this tenement.

6.0 EXPENDITURE STATEMENT

Expenditure for the reporting period from 12th July 2008 to 11th July 2009 for EL3831 is as follows:

Category	Expenditure (\$)
Salaries	\$6,003
Staff Training	\$0
Field Costs	\$422
Office Costs	\$864
Travel/Accommodation	\$8,860
Vehicles	\$1,932
Land/Legal	\$0
Total	\$18,081

The total cumulative expenditure for EL2948/EL3831 is as follows:

From	To	Expenditure (\$)
17/05/2004	16/05/2005	\$9,722
17/05/2005	16/05/2006	\$82,300
17/05/2006	16/05/2007	\$71,086
17/05/2007	11/07/2008	\$378,549
12/07/2008	11/07/2009	\$18,081
Total		\$559,738

7.0 REFERENCES

Burt, A., and Betts, P., 2004. *Interpreted Solid Geology of the Curnamona Province, PIRSA map.*

Burt, A., et al., 2004. *Curnamona – an Emerging Cu-Au Province.* Mesa Journal 33.

Langmead, R., and Stewart, M.A., 2006. *Annual Technical Report Exploration Licence 2948 'Poverty Lake' for the Period 17th May, 2005 to 16th May, 2006 Curnamona Province SA.* NML Internal Report No. S015/1.

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NML Internal Report No. S015/2.

Report No: S015/4



ABN 20 005 683 625

Newcrest Operations Limited

**EXPLORATION LICENCE
3831
CURNAMONA PROJECT
BENAGERIE JV**

**ANNUAL TECHNICAL REPORT
To PIRSA**

For the Period Ending 11 July, 2010

**CURNAMONA PROVINCE
SOUTH AUSTRALIA**

1:250k Map Sheet: Frome SH54-10

Distribution:

**Newcrest Mining Limited
PlatSearch NL (Sydney)
PIRSA, Adelaide
J F Allender (Adelaide)**

Compiled By:

**L. Bowyer
Sep, 2010**

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EXECUTIVE SUMMARY

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A single vertical rotary-mud/diamond core drill-hole (BRD014), was collared at 449650mE, 6625500mN (MGA zone 54, GDA94) to target anomaly "A" and was drilled to a depth of 321.7m. The hole failed to reach its targeted depth of 600m due to significant artesian water flows. Watson drilling from Deniliquin, NSW was contracted for the programme.

Newcrest Operations Limited is currently finalising the 'hand-back' of the tenement to Platsearch NL.

Bibliographic Data:

Report Title:	Annual Technical Report: Exploration Licence 3831, for the period Ending 11 July, 2010.
Project Name:	Curnamona
Tenement Number:	EL3831
Tenement Holder:	Newcrest Operations Limited PlatSearch NL James F Allender / Anthony Hosking
Operator:	Newcrest Operations Limited
Commodities:	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit:	Curnamona Province
Stratigraphic Units:	Tertiary Namba, Eyre Formations Cretaceous Bulldog/Marree Units Cadna-owie Formation Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusives
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Drilling at the Dolores East prospect has intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600ppm copper over 192 metres to the end of the hole at 504m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks at this point is $\approx$ 307m.

The depth to basement and the nature of these Mesoproterozoic rocks are unknown within EL3831, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentrol Australia Ltd, Oilmin/Petromin, Afmeco, Union Corporation, and others.

The exploration target in EL3831 is iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2.0 PREVIOUS EXPLORATION

2005-2006

A ground gravity survey with 500m x 500m spaced stations was completed over portions of EL2948 in two separate areas which overlie previously reported magnetic anomalies designated anomaly “A” (449500E 6625500N) and anomaly “D” (447500E 6634000N). The total number of new gravity station readings acquired on EL2948 was 327.

2006-2007

Magnetic anomaly “A” was investigated based on positive drilling results on neighbouring EL3019. Re-modelling & interpretation of the ground magnetic data for anomaly “A” indicates that the depth to the top is likely to be approximately 400m (Figure 4).

The anomaly is interpreted to be caused by three variable size bodies of moderate susceptibility (approximately 0.0010-0.0012 cgs). Ground magnetic TMI contours and a modelled profile of anomaly “A” are shown as Figures 3 and 4 (B. Richardson, PlatSearch NL).

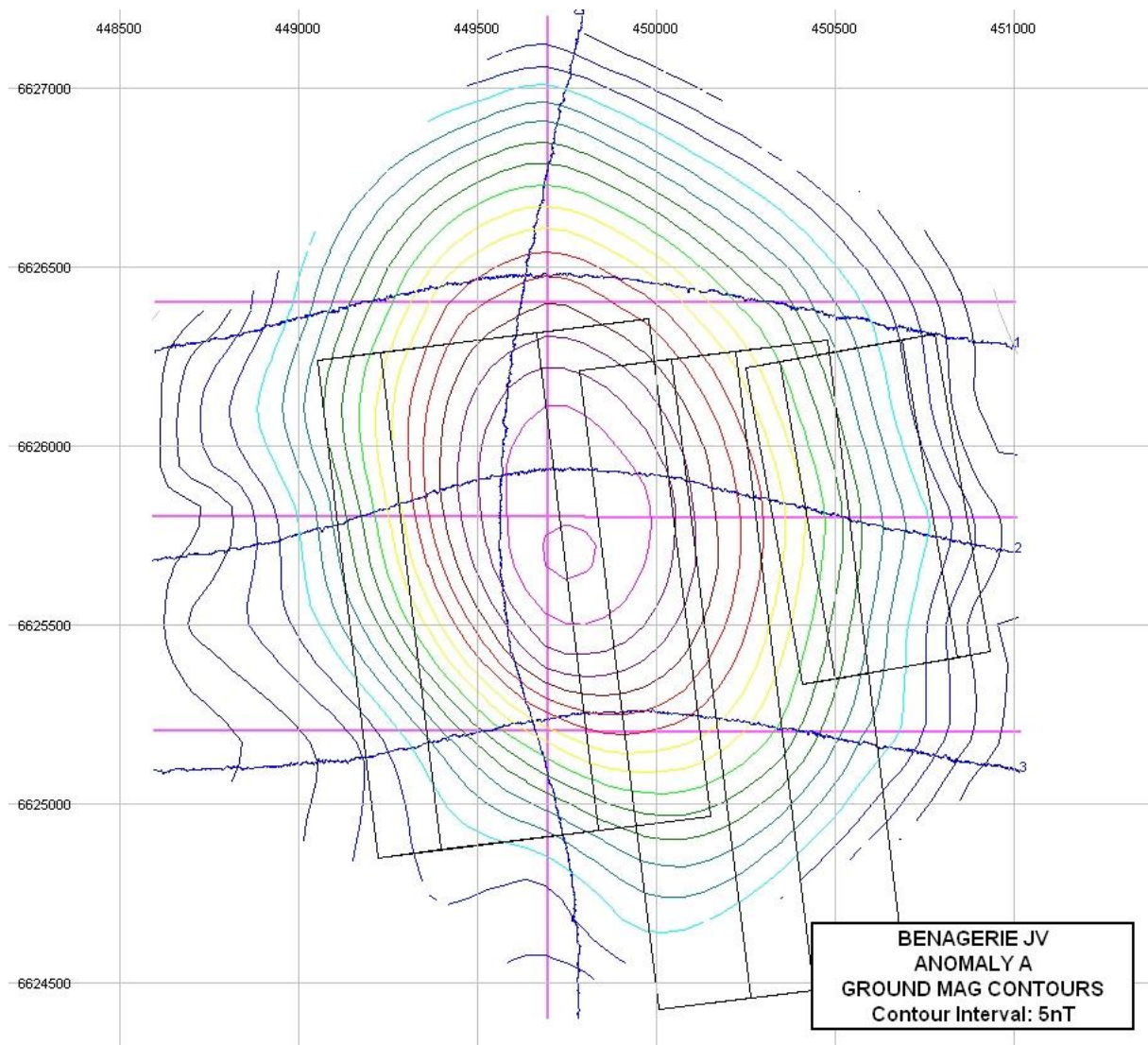


Figure 3. S001-022G
Ground Magnetic TMI Contours

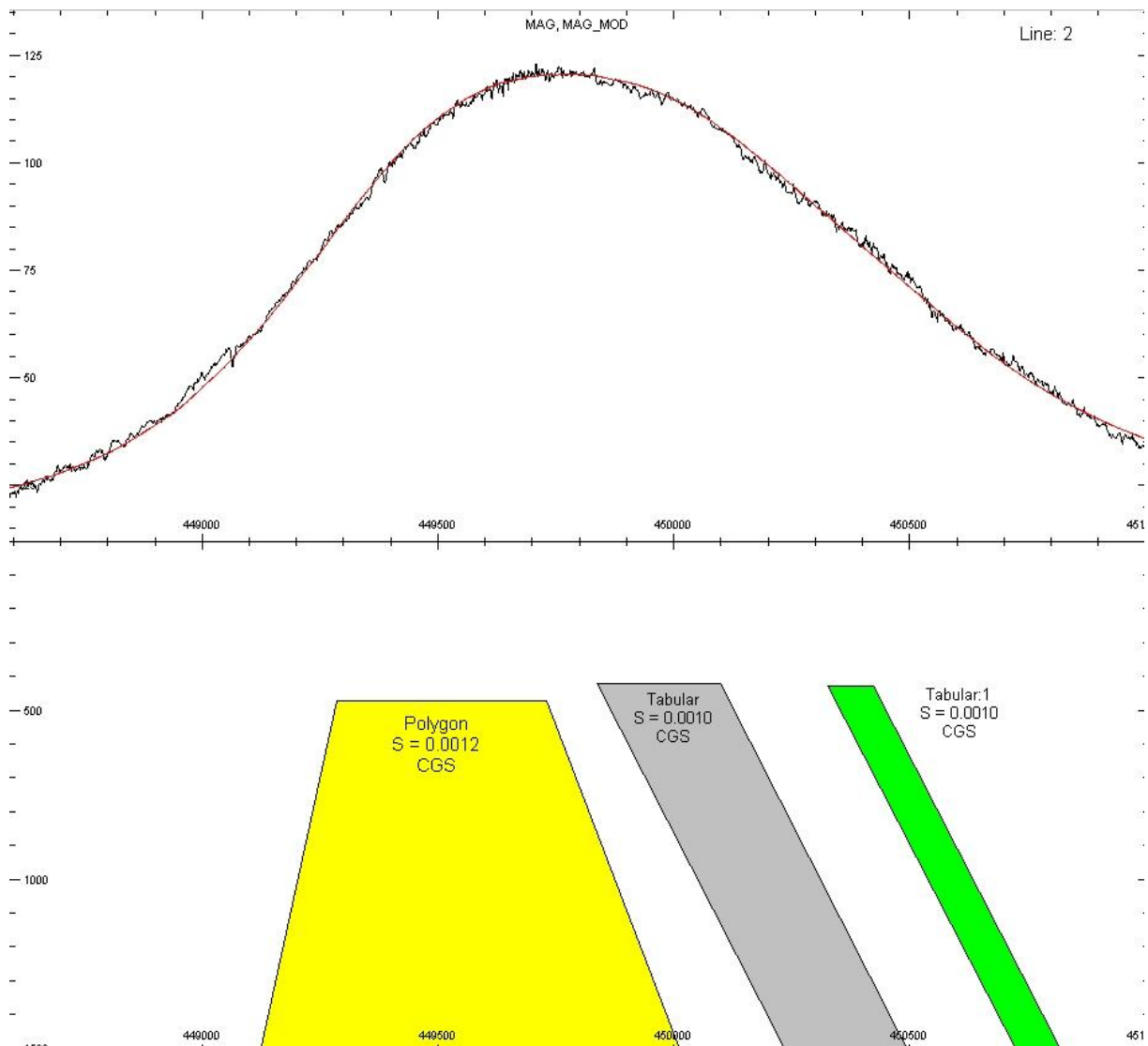


Figure 4. S001-023G
Modelled Profile of Anomaly A from Ground Magnetic Data

A field inspection / assessment of Anomaly “A” centred on MGA94_54, 449650mE, 6625500mN was conducted to determine the practical issues of drill testing this magnetic feature in the southern portion of the tenement. The local landscape of parallel longitudinal dunes and some salt lakes makes access difficult, even with an existing station track passing close to the anomaly. The nearest water supply point is Arboola Bore, located approximately 15km by station track to the west of anomaly “A” across Lake Bumbarlow.

Anomaly “A” appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through the “Dolores East” iron-oxide copper prospect based on regional aeromagnetic data. The anomaly is of similar size and amplitude to the Dolores East magnetic anomaly, which hosts a known iron-oxide copper hydrothermal alteration system, confirming it as a high priority drill target. Based on PACE and Newcrest acquired gravity data, magnetic Anomaly “A” does not have an associated gravity anomaly and appears to lie on a steep regional gravity gradient. It is possible that this steep regional gravity gradient may “mask” any local positive gravity anomaly caused by a dense iron-oxide rich, mineralised body associated with anomaly “A”.

2007-2008

A single vertical rotary-mud (304m) / diamond core (17.7m – HQ3) drill-hole, BRD014 was collared at MGA94_54, 449650mE, 6625500mN to target anomaly “A” and was planned to a nominal depth of 600m.

The hole failed to penetrate through to the targeted depth and was terminated at 321.7m due to significant artesian water flows. Geology encountered in the hole comprised oxidised to partially oxidised cover sequences of Frome basement sediments consisting of claystone, sandstone, shale and marl. No technical data was recorded for this hole and no samples were assayed.

Hole No	MGA94_54 North	MGA94_54 East	Dip (°)	Interval (m)	Geology
BRD014	6625500	449650	-90 ⁰	0-6	Aeolian Sand
				6-66	Intercalated claystone and sandstone
				66-72	Marl
				72-98	Intercalated marl and sandstone
				98-321.7	Intercalated claystone, shale and sandstone

2008-2009

Limited office based review of data was undertaken during the reporting period.

During March 2009 a total of seven drill sites and access tracks were checked and rehabilitated. Natural re-vegetation on the tracks was generally well established.

No other field activities were undertaken on EL3831 for the period.

3.0 REGIONAL GEOLOGY

EL3831 lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from the basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts, 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (~1580Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbawrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbawrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al 2004) which are thought to be closely associated with IOCG styles of mineralisation.

The closest basement intersecting drill hole to EL3831 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and is located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600ppm Cu over almost 200m to the end of hole at 504m. The depth of post-Proterozoic cover rocks at this location is 307 metres. No other holes in close proximity to EL3831 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales

and sandy, conglomeratic units may themselves overlies possible older (?Cambrian) sediments in deeper portions of the basin.

4.0 CURRENT EXPLORATION

A field trip was conducted to further assess rehabilitation requirements and complete initial remedial works.

A further field trip was conducted to re-cap all previously leaking drill holes. No drill holes are currently leaking. The Department of Water, Land and Biodiversity Conservation (DWLBC) is currently compiling a report on the status of the holes and construction integrity.

Another field visit is required to complete the rehabilitation of the sumps. It is anticipated that this will be completed within the next few months.

No other field activities were undertaken on EL3831 for the period.

5.0 CONCLUSION

Due to the significant depth of the cover sequence and artesian water flow encountered in BRD014, no further exploration is recommended for this tenement.

6.0 EXPENDITURE STATEMENT

Expenditure for the reporting period from 12th July 2009 to 11th July 2010 for EL3831 is as follows:

Category	Expenditure (\$)
Salaries	\$7,352
Staff Training	\$0
Geological	\$980
Field Costs	\$7,109
Office Costs	\$396
Travel/Accommodation	\$2,401
Vehicles	\$712
Land/Legal	\$4,877
Environmental Rehabilitation	\$7,000
Total	\$30,827

The total cumulative expenditure for EL2948/EL3831 is as follows:

From	To	Expenditure (\$)
17/05/2004	16/05/2005	\$9,722
17/05/2005	16/05/2006	\$82,300
17/05/2006	16/05/2007	\$71,086
17/05/2007	11/07/2008	\$378,549
12/07/2008	11/07/2009	\$18,081
12/07/2009	11/07/2010	\$30,827
Total		\$590,565

7.0 REFERENCES

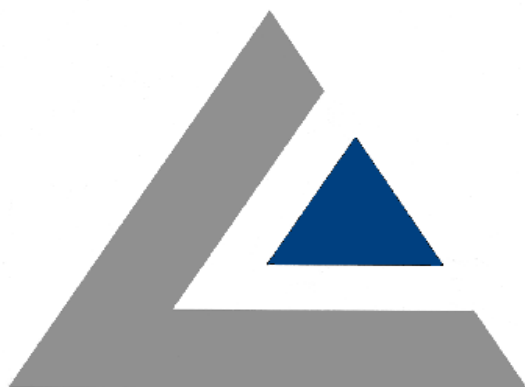
Burt, A., and Betts, P., 2004. *Interpreted Solid Geology of the Curnamona Province, PIRSA map.*

Burt, A., et al., 2004. *Curnamona – an Emerging Cu-Au Province.* Mesa Journal 33.

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NML Internal Report No. S015/3.



PLATSEARCH NL

ABN 16 003 254 395

**Annual Report for
Exploration Licence 3831 “Poverty Lake” for the period
12th July 2010 to 11th July 2011**

**Compiled by
Greg MacRae,
B.Sc. (Hons) MAIG
July 2011**

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EL3831_2011_A_01_Report.pdf

Main Report

Distribution:

PIRSA

PlatSearch NL

Summary

EL3831 "Poverty Lake" lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strezlecki Desert.

A review of the Benagerie Ridge project has been undertaken by PlatSearch. It is considered that Newcrest have targeted the better, more obvious targets. To date, Newcrest have drill tested four gravity anomalies and one discrete magnetic anomaly. The occurrence of elevated REE within rocks that appear to have IOCG affinities in drillhole BRD007 is encouraging. Anomaly "A" within the Poverty Lake licence remains the best, untested target. Drillhole BRD014 targeted on co-incident magnetics and gravity had basement modelled at 400 m and a target depth was 600 m. However, the hole was abandoned at 321.7 m due to very high artesian water flows and was therefore not an effective test. A number of lower order anomalies remain untested. Digital compilation of all relevant drilling and assaying is underway.

PlatSearch plans to carry out the following exploration program:

- Assessment of the uranium potential of the licence area;
- Review of previous exploration work carried out in the area by uranium explorers;
- Radiogenic testing of pre-collar samples;
- Appraisal of all available geological data from drilling and other sources;
- Assessment of the new South Australian government airborne EM survey; and,
- Possible further close spaced EM surveys, if results from the Government survey are encouraging.

Bibliographic Data

Report Title	Annual Report for Exploration Licence 3831 “Poverty Lake” for the period 12 th July 2010 to 11 th July 2011
Project Name	Curnamona
Tenement Number	EL3831
Tenement Holder	PlatSearch NL, James F Allender / Anthony Hosking
Operator	PlatSearch NL
Commodities	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit	Curnamona Province
Stratigraphic Units	Tertiary Namba, Eyre Formations, Cretaceous Bulldog/Marree Units, Cadna-owie Formation, Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusive
1250,000 Map Sheet	Frome SH54-10
1100000 Map Sheets	Coonarbine 6936, Cootabarlow 6937, Coonee 7037
Keywords	Mesoproterozoic, Benagerie Ridge, gravity, copper, gold, drilling

1. Introduction and Exploration Rationale

EL3831 "Poverty Lake" lies within the Curnamona Province to the east of Lake Frome within the sand dune country of the Strzelecki Desert (Figure 1). It lies wholly on Quinyambie pastoral station and access has been utilised from Broken Hill, via the Silver City Highway to Yanco Glen, then gravel road through Corona-Teilta to Quinyambie and local station tracks.

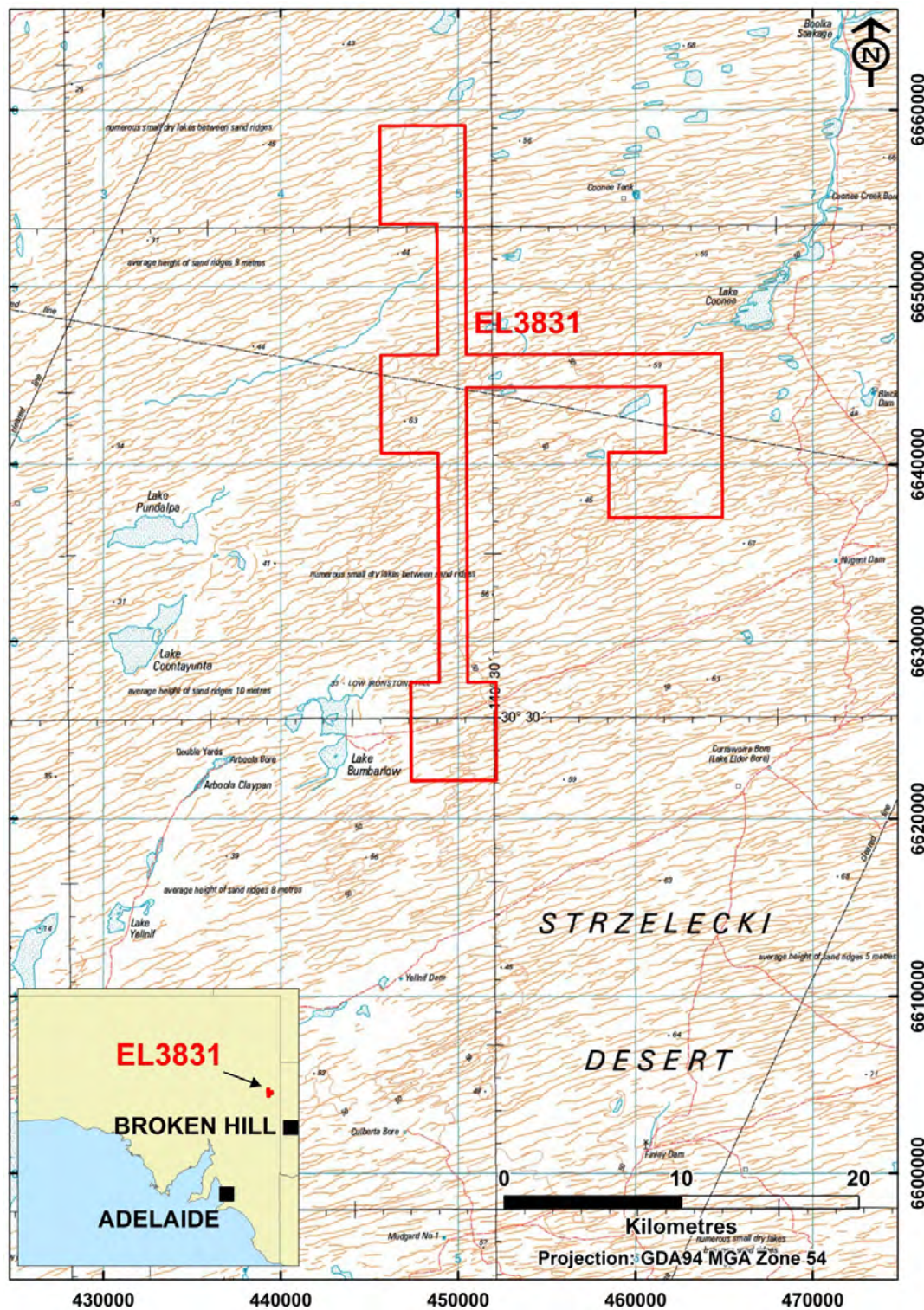


Figure 1: Location of EL3831

The tenement encompasses a number of magnetic anomalies with similarities to that associated with the Dolores East Cu-(Au) prospect to the south. Drilling at the Dolores East prospect intersected a large, volcanic breccia system which exhibits abundant haematite, magnetite and K-feldspar alteration and averages almost 600 ppm copper over 192 m to the end of the hole at 504 m in Mesoproterozoic rocks. The thickness of Tertiary and Cretaceous cover rocks in this area is 307 m.

The depth to basement and the nature of these Mesoproterozoic rocks are unknown within EL3831, as previous exploration has been generally confined to uranium exploration in the younger sedimentary cover rocks by companies such as Tricentrol Australia Ltd, Oilmin/Petromin, Afmeco, Union Corporation, and others.

The exploration target in EL3831 is iron-oxide Cu-Au styles of mineralisation, associated with Mesoproterozoic lithologies, and which may have both a positive magnetic and gravity response at surface. To this end, detailed gravity surveys have been completed over portions of the tenement to complement the existing magnetic data in selecting suitable drilling targets.

2. Tenure

EL3831 was granted to PlatSearch NL (50%), J F Allender (25%) and A Hosking (25%) on 16 May 2005 for an initial period of 1 year (Figure 2) covering an area of 175 km². Four subsequent renewals of term over the same area have been granted. In 2011, another renewal of term was requested.

3. Regional Geology

EL3831 lies on the eastern flanks of the major north-south trending Proterozoic basement high referred to as the Benagerie Ridge. Drilling information from the basement is sparse, but the Interpreted Solid Geology of the Curnamona Province (Burt & Betts 2004) indicated local geology to be comprised of Mesoproterozoic Benagerie Ridge Volcanics (1580 Ma), Benagerie Ridge Volcanic Breccia, and variably magnetic granites and minor mafic intrusions of the Bimbowrie Supersuite, along with Strathearn Group pelitic lithologies of the Willyama Supergroup. The Bimbowrie Supersuite volcanics and granites are broadly considered to be similar in age and character to the Hiltaba Suite granites and Gawler Range Volcanics of the Gawler Craton (Burt et al. 2004) which are thought to be closely associated with IOCG styles of mineralisation.

The closest basement intersecting drill hole to EL3831 is QBE-1, drilled by Inco/Platsearch on the Dolores East prospect in 2001, and is located 10kms south of the southern boundary of the tenement. This hole intersected a basalt-andesite volcanic breccia system with abundant haematite, magnetite, pyrite-(chalcopyrite) and K-feldspar alteration which averaged close to 600 ppm Cu over almost 200 m to the end of hole at 504 m. The depth of post-Proterozoic cover rocks at this location is 307 m. No other holes in close proximity to EL3831 provide further basement information. Depth of cover is expected to increase substantially to the east of a major NNW-SSE trending structure passing through the approximate position of QBE-1.

Cover sequences usually consist of Holocene aeolian sands and silts overlying mudstones, shales and marls of the Tertiary Namba Formation which in turn overlie quartz sandstones of the Eyre

Formation. Underlying Cretaceous Marree and Cadna-owie Formation black shales and sandy, conglomeratic units may themselves overlie possible older (?Cambrian) sediments in deeper portions of the basin.

4. Previous Exploration

2005-2006 (Langmead & Stewart 2006)

A ground gravity survey with 500 x 500 m spaced stations was completed in two separate areas which overlie previously reported magnetic anomalies designated anomaly "A" (449500E 6625500N) and anomaly "D" (447500E 6634000N). The total number of new gravity station readings acquired was 327.

2006-2007 (Harper & Stewart 2007)

Magnetic anomaly "A" was investigated based on positive drilling results on neighbouring licence. Re-modelling & interpretation of the ground magnetic data for anomaly "A" indicates that the depth to the top is likely to be approximately 400 m (Figure 4).

The anomaly is interpreted to be caused by three variable size bodies of moderate susceptibility (approximately 0.0010-0.0012 cgs). Ground magnetic TMI contours and a modelled profile of anomaly "A".

Field assessment of Anomaly "A" centred on 449650E, 6625500N (MGA94 Zone 54) was conducted to determine the practical issues of drill testing this magnetic feature in the southern portion of the tenement. The local landscape of parallel longitudinal dunes and some salt lakes makes access difficult, even with an existing station track passing close to the anomaly. The nearest water supply point is Arboola Bore, located approximately 15 km by station track to the west of anomaly "A" across Lake Bumbarlow.

Anomaly "A" appears to lie on a major north-west trending structure parallel to the more obvious structure that passes through the "Dolores East" iron-oxide copper prospect based on regional aeromagnetic data. The anomaly is of similar size and amplitude to the Dolores East magnetic anomaly, which hosts a known iron-oxide copper hydrothermal alteration system, confirming it as a high priority drill target. Based on PACE and Newcrest acquired gravity data, magnetic Anomaly "A" does not have an associated gravity anomaly and appears to lie on a steep regional gravity gradient. It is possible that this steep regional gravity gradient may "mask" any local positive gravity anomaly caused by a dense iron-oxide rich, mineralised body associated with anomaly "A".

2007-2008 (Apel & Stewart 2008)

A single vertical rotary-mud (304 m) / diamond core (17.7 m – HQ3) drill-hole, BRD014 was collared at MGA94 Zone 54, 449650mE, 6625500mN to target anomaly "A" and was planned to a nominal depth of 600 m.

The hole failed to penetrate through to the targeted depth and was terminated at 321.7 m due to significant artesian water flows. Geology encountered in the hole comprised oxidised to partially oxidised cover sequences of Frome basement sediments consisting of claystone, sandstone, shale and marl. No technical data was recorded for this hole and no samples were assayed.

2008-2009 (Fowler 2009)

Limited office based review of data was undertaken during the reporting period. During March 2009 a total of seven drill sites and access tracks were checked and rehabilitated. Natural re-vegetation on the tracks was generally well established.

2009-2010 (Bowyer 2010)

Fieldwork was restricted to assessment of rehabilitation requirements, completion initial remedial works, and recapping of previously leaking drill holes. The Department of Water, Land and Biodiversity Conservation (DWLBC) was involved in compiling a report on the status of the holes and construction integrity. Additional fieldwork was required to complete the rehabilitation of the sumps.

5. Current Exploration

A review of the Benagerie Ridge project has been undertaken by PlatSearch. It is considered that Newcrest have targeted the better, more obvious targets. To date, Newcrest have drill tested four gravity anomalies and one discrete magnetic anomaly.

The occurrence of elevated REE within rocks that appear to have IOCG affinities in drillhole BRD007 is encouraging. Anomaly "A" within the Poverty Lake licence remains the best, untested target. Drillhole BRD014 targeted on co-incident magnetics and gravity had basement modelled at 400 m and a target depth was 600 m. However, the hole was abandoned at 321.7 m due to very high artesian water flows and was therefore not an effective test.

A number of lower order anomalies remain untested. Digital compilation of all relevant drilling and assaying is underway.

Newcrest has withdrawn from the joint venture. A planned check on rehabilitation of sumps by Newcrest early in the reporting period was delayed due to wet weather. Newcrest have reported that the Department of Water, Land and Biodiversity Conservation (DWLBC) is compiling a report on the status of the holes and construction integrity.

No field activities were undertaken on EL3831 during the reporting period.

6. Planned Exploration

PlatSearch plans to carry out the following exploration program:

- Assessment of the uranium potential of the licence area;
- Review of previous exploration work carried out in the area by uranium explorers;
- Radiogenic testing of pre-collar samples;
- Appraisal of all available geological data from drilling and other sources;
- Assessment of the new South Australian government airborne EM survey; and,
- Possible further close spaced EM surveys, if results from the Government survey are encouraging.

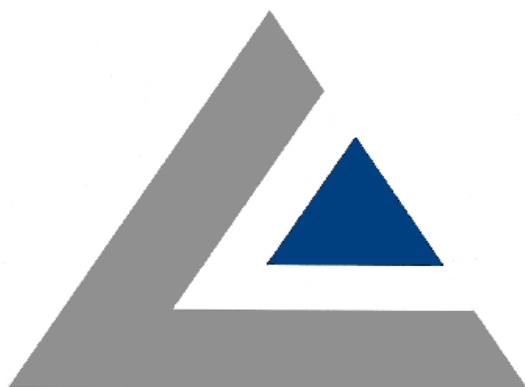
7. Expenditure

Expenditure for the reporting period from 12th July 2010 to 11th July 2011 for EL3831 is as follows:

Description	Expenditure (\$)		
	PlatSearch	Newcrest	Total
Geologists	1,969	187	2,156
Field Expenses		544	544
Travel		1,933	1,933
Rehabilitation		798	798
Tenement Fees	1,402		1,402
Core Storage	305		305
Admin	551	671	1222
Total	4,227	4,133	8,360

8. References

- Apel R. & Stewart M.A. 2008. Exploration Licence 3831 Curnamona Project Benagerie JV Annual Technical Report for the period ending 11 July, 2008.
- Bowyer L. 2010. Exploration Licence 3831 Curnamona Project Benagerie JV Annual Technical Report for the period ending 11 July, 2010.
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- Fowler R. 2009. Exploration Licence 3831 Curnamona Project Benagerie JV Annual Technical Report for the period ending 11 July, 2009.
- Harper B.L. & Stewart M.A. 2007. Annual Technical Report Exploration Licence 2948 “Poverty Lake” for the period 17 May 2006 to 16 May 2007.
- Langmead R. & Stewart M.A. 2006. Annual Technical Report Exploration Licence 2948 “Poverty Lake” for the period 17 May 2005 to 16 May 2006.



PLATSEARCH NL

ABN 16 003 254 395

**Final Annual Report for
Exploration Licence 3831 “Poverty Lake” for the period
12th July 2011 to 11th July 2012**

**Compiled by
Greg MacRae,
B.Sc. (Hons) MAIG
July 2012**

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DIGITAL DATA FILES

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Main Report

Distribution:

DMITRE

PlatSearch NL

Summary

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PlatSearch considered that the occurrence of elevated REE within rocks that appear to have IOCG affinities in drillhole BRD007 is encouraging. However, the current economic climate militated against further exploration on the Benagerie Ridge project. A subsequent ELA was not sought.

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Project Name	Curnamona
Tenement Number	EL3831
Tenement Holder	PlatSearch NL, James Allender, Anthony Hosking
Operator	PlatSearch NL
Commodities	Gold, copper, uranium, rare earths, lead, zinc, silver
Tectonic Unit	Curnamona Province
Stratigraphic Units	Tertiary Namba, Eyre Formations, Cretaceous Bulldog/Marree Units, Cadna-owie Formation, Mesoproterozoic Bimbowrie Supersuite: volcanics, intrusive
1250,000 Map Sheet	Frome SH54-10
1100000 Map Sheets	Coonarbine 6936, Cootabarlow 6937, Coonee 7037
Keywords	Mesoproterozoic, Benagerie Ridge, gravity, copper, gold, drilling, uranium, palaeochannels

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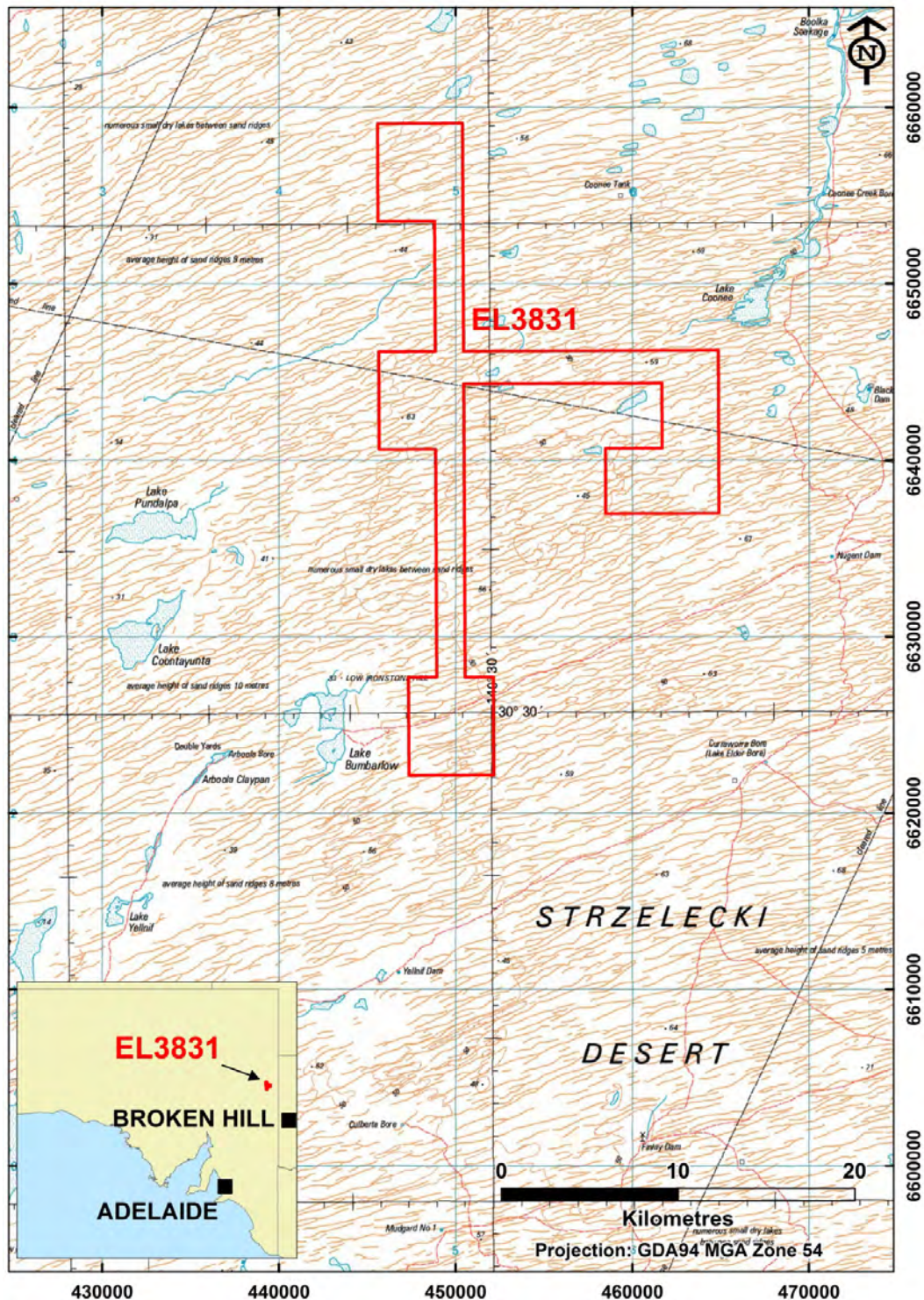


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Fieldwork was restricted to assessment of rehabilitation requirements, completion initial remedial works, and recapping of previously leaking drill holes. The Department of Water, Land and Biodiversity Conservation (DWLBC) was involved in compiling a report on the status of the holes and construction integrity. Additional fieldwork was required to complete the rehabilitation of the sumps.

2010-2011 (MacRae 2011)

A planned check on rehabilitation of sumps by Newcrest (who have withdrawn from the joint venture) early in the reporting period was delayed due to wet weather. Newcrest have reported that the Department of Water, Land and Biodiversity Conservation (DWLBC) is compiling a report on the status of the holes and construction integrity. No field activities were undertaken on EL3831 during the reporting period.

5. Current Exploration

A review of the Benagerie Ridge project has been undertaken by PlatSearch. It is considered that Newcrest have targeted the better, more obvious targets. To date, Newcrest have drill tested four gravity anomalies and one discrete magnetic anomaly.

The occurrence of elevated REE within rocks that appear to have IOCG affinities in drillhole BRD007 is encouraging. Anomaly "A" within the Poverty Lake licence remains the best, untested target. Drillhole BRD014 targeted on co-incident magnetics and gravity had basement modelled at 400 m and a target depth was 600 m. However, the hole was abandoned at 321.7 m due to very high artesian water flows and was therefore not an effective test. A number of lower order anomalies remain untested. Digital compilation of all relevant drilling and assaying is underway.

No field activities were undertaken on EL3831 during the reporting period. A subsequent exploration licence application was not sought. The licence expired.

6. Rehabilitation

Rehabilitation of drillholes completed by Newcrest under joint venture with PlatSearch has been finalised.

7. Conclusions

PlatSearch considered that the occurrence of elevated REE within rocks that appear to have IOCG affinities in drillhole BRD007 is encouraging. However, the current economic climate militated against further exploration on the Benagerie Ridge project. A subsequent ELA was not sought.

8. Expenditure

Expenditure for the reporting period from 12th July 2011 to 11th July 2012 for EL3831 is, as follows:

Description	Expenditure (\$)
Geologists	1,388
Tenement Fees	1,589
Core Storage	4,316
Admin	1,094
Total	8,387

9. References

- Apel R. & Stewart M.A. 2008. Exploration Licence 3831 Curnamona Project Benagerie JV Annual Technical Report for the period ending 11 July, 2008. Unpublished report to PIRSA.
- Bowyer L. 2010. Exploration Licence 3831 Curnamona Project Benagerie JV Annual Technical Report for the period ending 11 July, 2010. Unpublished report to PIRSA.
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- MacRae G.P. 2011. Annual Report for Exploration Licence 3831 “Poverty Lake” for the period 12th July 2010 to 11th July 2011. Unpublished report to PIRSA.