Astro Diamond Mines NL
ACN 007 090 904

EXPLORATION LICENCES 22244, 22245, 22246, 22247, 22251, 22252, 22351, 23116, 23117, 23118, 23119, 23121, 23510, 23511, 23512, 23513, 23514, 23515

CALVERT HILLS PROJECT

JOINT ANNUAL REPORT

FOR THE PERIOD

3 MARCH 2005 TO 2 MARCH 2006

BY

J. CEPLECHA & L. BOWYER

Level 8, 580 St Kilda Road, Melbourne, Victoria, 3004, Australia
Telephone: +61 3 8532 2810 Facsimile: +61 3 8532 2805

DISTRIBUTION:
Department of Business, Industry & Resource Development, Darwin
Astro Diamond Mines NL, Melbourne

TENEMENT REPORT INDEX

OPERATOR:	Astro Diamond Mines NL
PROJECT:	Calvert Hills
TENEMENTS:	Exploration Licences 22244, 22245, 22246, 22247, 22251, 22252, 22351, 23116, 23117, 23118, 23119, 23121, 23510, 23511, 23512, 23513, 23514, 23515
JOINT REPORT PERIOD:	3 March 2005 to 2 March 2006
DUE DATE:	2 April 2006
AUTHOR:	J. Cepecha & L Bowyer
STATE:	Northern Territory
LATITUDE:	16°05'S - 17°30'S
LONGITUDE:	135°45'E - 137°45'E
MGA (easting):	8 225 000mE - 8 060 000mE
MGA (northing):	575 000mN - 800 000mN
1:250,000 SHEET:	SE53-03 Bauhinia Downs, SE53-04 Robinson River, SE53-08 Calvert Hills
1:100,000 SHEET:	6064 Mallapungah, 6163 Lancewood, 6164 Glyde, 6165 Borroloola, 6263 Surprise Creek, 6264 Foelsche, 6265 Wearyan, 6363 Calvert Hills, 6364 Pungalina, 6365 Robinson, 6463 Wollogorang, 6464 Selby
MINERAL FIELD:	
COMMODITY:	Diamonds
KEYWORDS:	Diamonds, data review, target areas

TABLE OF CONTENTS

LIST OF FIGURES

1 SUMMARY OF EXPLORATION ACTIVITIES

Exploration for diamonds carried out over the Calvert Hills Project during the reporting period and included selected airborne EM coverage and follow up ground gravity surveys, along with on ground geological investigations.

2 TENEMENT STATUS

Astro Diamond Mines NL is manager of the Calvert Hills Project, tenements are held either by Astro Diamond Mines NL or Axis Consultants Pty Ltd. The project consists of eighteen tenements covering an area of 8,347km2.

Tenement	Date of Grant	Area (km^2)	Holder
EL 22244	7 March 2003	1,445.00	Astro Diamond Mines NL
EL 22245	7 March 2003	424.10	Astro Diamond Mines NL
EL 22246	5 February 2003	1,147.40	Astro Diamond Mines NL
EL 22247	5 February 2003	1,625.20	Astro Diamond Mines NL
EL 22251	24 April 2003	1,644.00	Astro Diamond Mines NL
EL 22252	22 August 2003	470.70	Astro Diamond Mines NL
EL 22351	8 August 2003	592.10	Astro Diamond Mines NL
EL 23116	3 March 2003	55.80	Astro Diamond Mines NL
EL 23117	3 March 2003	15.50	Astro Diamond Mines NL
EL 23118	3 March 2003	99.20	Astro Diamond Mines NL
EL 23119	3 March 2003	46.50	Astro Diamond Mines NL
EL 23121	3 March 2003	55.80	Astro Diamond Mines NL
EL 23510	3 March 2003	9.30	AXIS Consultants Pty Ltd
EL 23511	3 March 2003	176.70	AXIS Consultants Pty Ltd
EL 23512	3 March 2003	68.20	AXIS Consultants Pty Ltd
EL 23513	3 March 2003	213.90	AXIS Consultants Pty Ltd
EL23514	3 March 2003	27.90	AXIS Consultants Pty Ltd
EL 23515	8 July 2003	229.40	AXIS Consultants Pty Ltd

3 LOCATION AND ACCESS

Figure 1

The Calvert Hills Project covers approximately 8,347 square kilometres surrounding and east of the Merlin diamond field. Tenements cover the Bauhinia Downs, Robinson River and Calvert Hills 1:250,000 map sheets. Access to the area is via the Carpentaria Highway, east from Daly Waters to Cape Crawford, Borroloola and from the south via Wollogorang.

4 GEOLOGY

All the economic diamond deposits and other significantly diamondiferous occurrences in Australia occur on the North Australian Craton ("NAC"). The NAC underlies the Kimberley region of northern WA, the northern two thirds of the NT and the north western part of Queensland. It is also host to many significant base metal, gold and uranium deposits. The NAC was formed at about 1850 million years (Ma) during the Barramundi Orogeny by the amalgamation of Archaean and early Proterozoic rocks which now form the basement rocks of the NAC. Proterozoic (1820-1600 Ma) platform sediments, Palaeozoic volcanics and sediments, and Mesozoic sediments cover these basement rocks. The Palaeozoic volcanics comprise the Lower Cambrian Antrim Plateau Volcanics (about 550 Ma in age) and its equivalents. The only volcanic activity that has occurred on the NAC for the past 500 Ma has been the intrusion of diamondiferous kimberlite at 367 Ma (the Devonian age Merlin kimberlite field), 179 Ma (Jurassic age Timber Creek kimberlite field), and the 20 Ma (Tertiary age) lamproite field in the Ellendale (West Kimberley) area.

4.1 LOCAL GEOLOGY

Figure 2

The Merlin region tenements are centred on the eastern side of the Batten Trough, which comprises Mesoproterozoic rocks of the McArthur Group. These are unconformably overlain in the south east by the Lower Cambrian age Bukalara Sandstone and small outliers of Cretaceous sediments.

The surface geology comprises mainly Mesoproterozoic sediments and volcanics forming an inlier surrounded by Bukalara Sandstone and local Cretaceous marine sediments. The Palaeozoic and Mesozoic sediments are essentially undeformed and flat-lying. The contacts of the inlier are considered to be faulted. Terrestrial conditions have prevailed since the Cretaceous and deep chemical weathering has produced extensive lateritic soils and some silcrete and calcrete deposits (Pietsch et al 1991).

5 EXPLORATION

5.1 DATA REVIEW

Table 1

A further review of open file exploration data previously obtained from the Northern Territory Geological Survey (NTGS) was undertaken during the reporting period. This

included appraisal of geology and structure, and of the results of drainage sampling by previous diamond explorers.

Diamond and indicator targets were identified and followed up by field visits. Anomalies examined are listed in table 1. Results of heavy mineral sampling and geochemical sampling of these anomalies are listed in Table 2-4.

5.2 TARGET GENERATION

Figure 3

The data review highlighted several targets areas that were followed up by selective airborne EM surveys over the Foelsche, Selby and Abner Range projects during mid 2005. The two projects which produced high priority anomalies were Foelsche, located on EL 22245 and Selby, located on EL 22251.

During mid 2005 some 3,300 line kms were flown by Fugro Airborne Surveys Pty Ltd, with 1,251 line kms over EL22245, 417 line kms over EL23119, 120 line kms over EL23510, 1,392 line kms over EL22251 and 120 line kms flown over EL23118.

A total of 14 EM target anomalies, some with multiple signatures, were generated from the Foelsche (EL22245, EL23510 and EL23119) survey and 9 EM targets from the Selby survey (EL22251). The Abner Range EM survey (EL23118) was inconclusive.

The Foelsche EM targets were ground truthed before any follow up by ground gravity surveys. Six Foelsche EM anomalies were followed up by ground gravity surveys during October 2005. A number of EM and gravity anomalies (FEMG-1, FEMG-5, FEMG-9 and FEMG-13) reported coincident geophysical signatures, and form the basis for proposed drilling during the 2006 field season (Figures 6 a-e). The remaining 8 Foelsche EM targets will be followed up by ground gravity surveys during the 2006 field season.

5.2.1 FOELSCHE TARGET

Figures 4, 6(a-e), Tables 2- 4

The Foelsche Project area is located within the western tenement group of the Calvert Hills Project, and only 17 kilometres southeast of the Merlin kimberlite field. The Merlin and the Foelsche areas lie along the same regional structures, with the regionally significant Calvert Hills Fault passing across to the north of both areas. This fault extends 100km to the southeast, and abuts the north northwest Batten Trough Zone 100km to the northwest.

Previous diamond explorers have recovered a considerable number of chromites from numerous sample sites draining the northeast portion of a plateau. The chromites were recovered from the three main tributaries of the Foelsche River over a distance of 15 kilometres along the edge of the plateau. The majority of the anomalous sample sites reported chromites in the range of 1-14 per sample. However, as no chromite mineral chemistries are available it is not possible to determine if the chromites originate from adjacent Proterozoic volcanics and/ or buried kimberlites. The occasional presence of fragile kimberlite indicator grains such as pyrope garnets and chrome diopsides suggest that buried kimberlites are present. A number of reconnaissance heavy mineral stream and soil geochemical samples were collected, bit are inconclusive (Tables 2-3).

The focus on utilising high resolution airborne EM surveys has led to areas which are predominately sand covered with residual indicator dispersal trails coming off these areas.

Ground truthing and subsequent follow up ground gravity surveys of selected six EM targets has defined four high quality gravity anomalies indicative of pipe like structures (Figures 6:a-e). A limited grid of soil samples was collected over FEMG-1 and FEMG-9 for geochemical analyses. Results (Table 4) are inconclusive.

It is believed that continuation of a high resolution airborne EM program should be to flown over selected northern portions of the Foelsche project area, particularly where diamonds and indicators appear to emanate from areas of sand cover.

5.2.2 SELBY TARGET

Figure 5, Tables 1- 3.

The Selby target area is located 120 kilometres east of the Foelsche target area. Two sample sites within the target area each returned a macro diamond, whilst another site contains a kimberlitic chromite. A number of reconnaissance heavy mineral stream and soil geochemical samples were collected but results are inconclusive (Table 3).

The 2005 high resolution airborne EM survey has delineated nine anomalies requiring ground truthing before the 2006 ground gravity survey commences. Local fracture patterns intersecting over a Landsat TM anomaly will also be investigated during the 2006 field season.

5.3 PROPOSED EXPLORATION

Figure 7

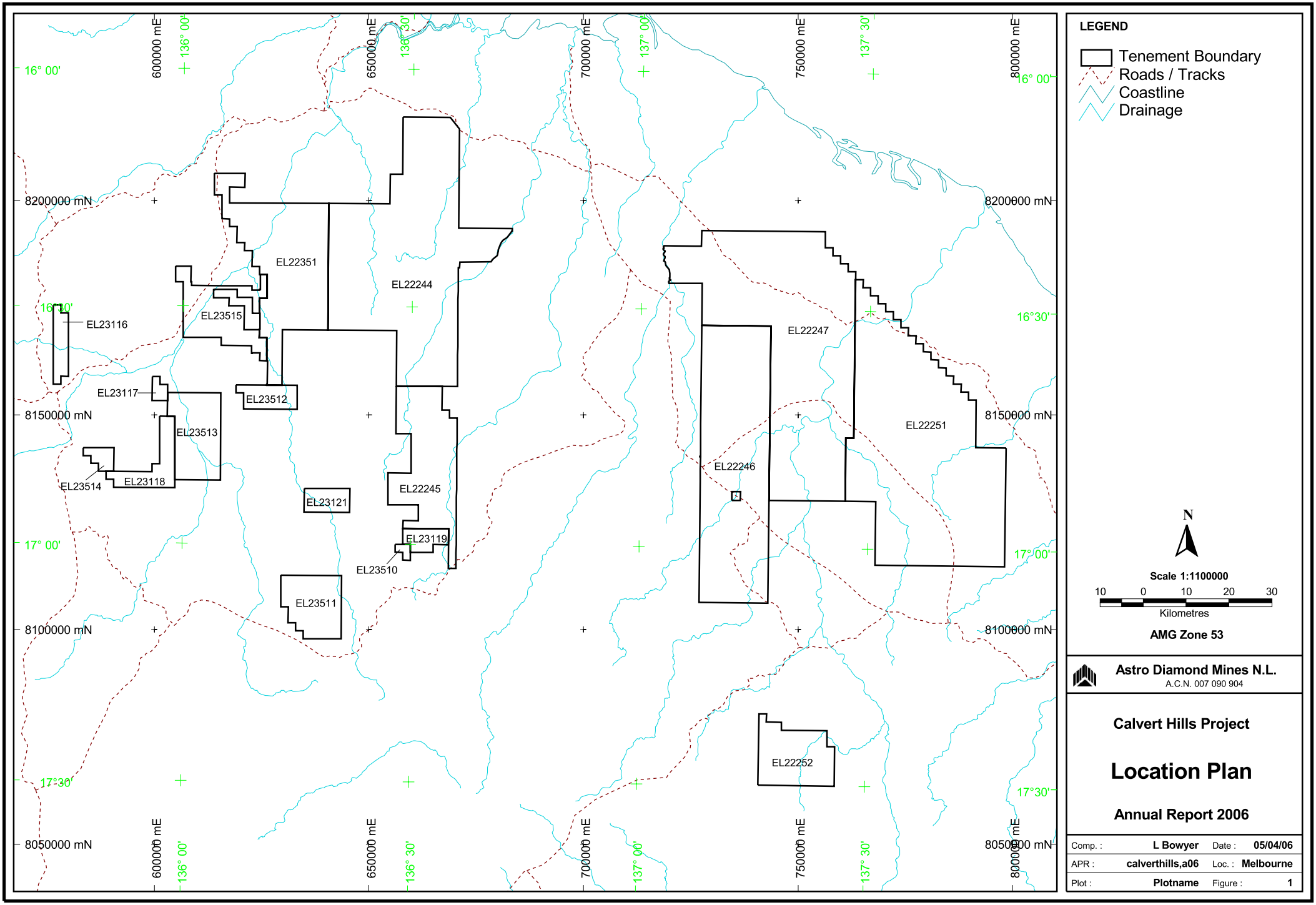
Drilling of five Foelsche gravity targets (FEMG-1, FEMG-2, FEMG-5, FEMG-9 and FEMG-13) generated during 2005 is expected about mid-2006 once the Mine Management Plan (MMP) has been approved by the NT government. Additional approvals for track building and drilling will be sought for the new gravity targets expected from the 2006 field activities.

Helicopter-supported ground gravity will follow up the outstanding 2005 EM anomalies over the Foelsche and Selby areas.

A second airborne electromagnetic survey over selected areas of the Foelsche and Selby target area will be contracted out to Fugro Airborne Surveys Pty Ltd and is planned to be completed in late 2006. Results from the survey should identify targets for additional ground gravity confirmation work, as a reasonable contrast between the Bukalara sandstone and weathered kimberlite pipes is expected.

6 BIBLIOGRAPHY

Pietsch, B.A., Rawlings D.J., Greaser P.M., Kruse P.D., Ahmad M., Ferenzi P.A., and Findhammer T.L.R., 1991: Bauhinia Downs SE5303, 1:250,000 Geological Map Series, Explanatory Notes, Northern Territory Geological Survey, Darwin.



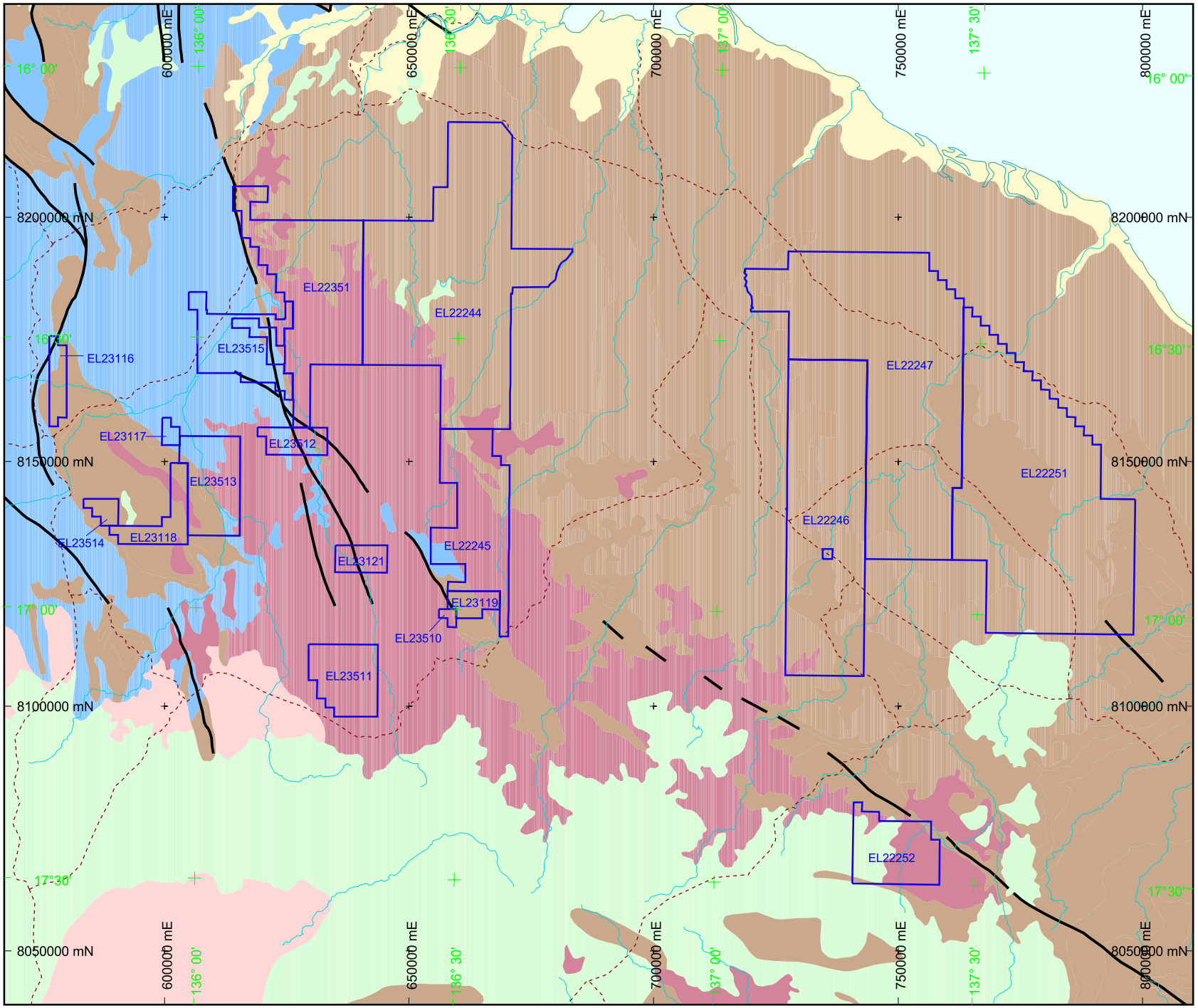
Astro Diamond Mines N.L.
A.C.N. 007 090 904

Calvert Hills Project

Location Plan

Annual Report 2006

Comp. :	L Bowyer	Date :	05/04/06
APR :	calverthills,a06	Loc. :	Melbourne
Plot :	Plotname	Figure :	1



LEGEND

- Tenement Boundary
- Roads / Tracks
- Coastline
- Drainage
- Faults

Simplified Geology

- Archaean
- Batten Trough
- Cambrian
- Cambrian-Ordovician
- Cambrian/Proterozoic
- Carboniferous
- Cretaceous
- Devonian
- Ordovician
- Permian
- Proterozoic
- Quaternary
- Silurian
- Tertiary
- Water

N

Scale 1:1100000

10 0 10 20 30

Kilometres

AMG Zone 53

Astro Diamond Mines N.L.
A.C.N. 007 090 904

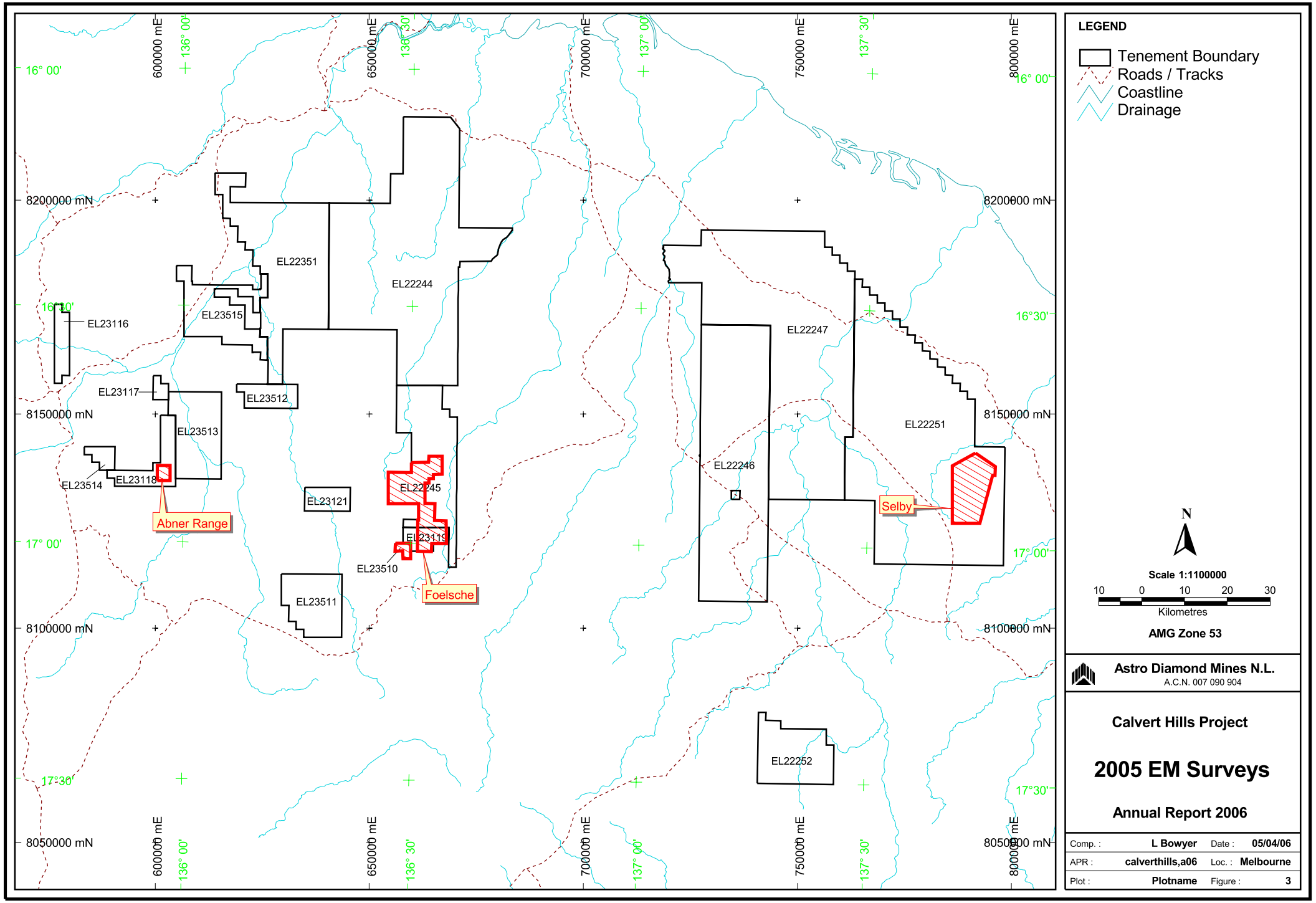
Calvert Hills Project

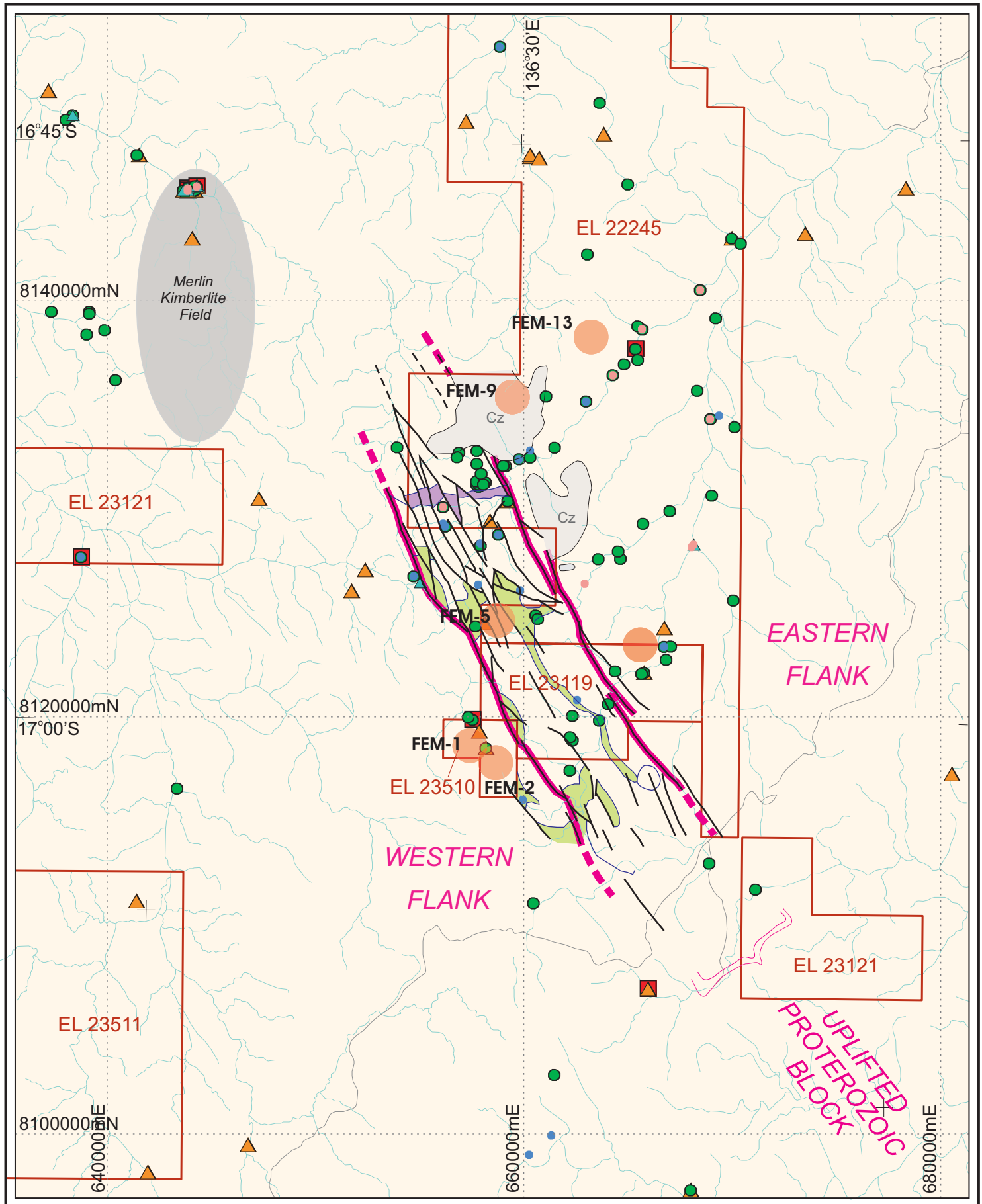
Simplified Geology and Regional Structures

in relation to Batten Trough

Annual Report 2006

Comp. :	L Bowyer	Date :	05/04/06
APR :	calverthills,a06	Loc. :	Melbourne
Plot :	Plotname	Figure :	2


LEGEND
Tenement Boundary
Roads / Tracks
Coastline
Drainage
600000 mE
650000 mE
700000 mE
750000 mE
800000 mE
136° 00'
136° 30'
137° 00'
137° 30'
16° 00'
16°30'
17° 00'
17°30'
8200000 mN
8150000 mN
8100000 mN
8050000 mN
EL22351
EL22244
EL23515
EL23116
EL23117
EL23512
EL23513
EL23514
EL23118
Abner Range
EL23121
EL22245
EL23119
EL23510
Foelsche
EL23511
EL22247
EL22251
EL22246
Selby
EL22252
N
Scale 1:1100000
10 0 10 20 30
Kilometres
AMG Zone 53
Astro Diamond Mines N.L.
A.C.N. 007 090 904
Calvert Hills Project
2005 EM Surveys
Annual Report 2006
Comp. : L Bowyer
Date : 05/04/06
APR : calverthills,a06
Loc. : Melbourne
Plot : Plotname
Figure : 3



LEGEND

- Tenement Boundary
- Chrome Diopside
- Picro ilminite
- Pyrope
- Chromite
- Micro Diamond
- MacroDiamond
- High Priority Targets for detailed follow-up
- Proterozoic Block Boundary
- Dolomite
- Basalt
- Cz — Cainozoic (soil, sand & lateritic sediments)

N

0 2 4 6 8 10

Kilometres

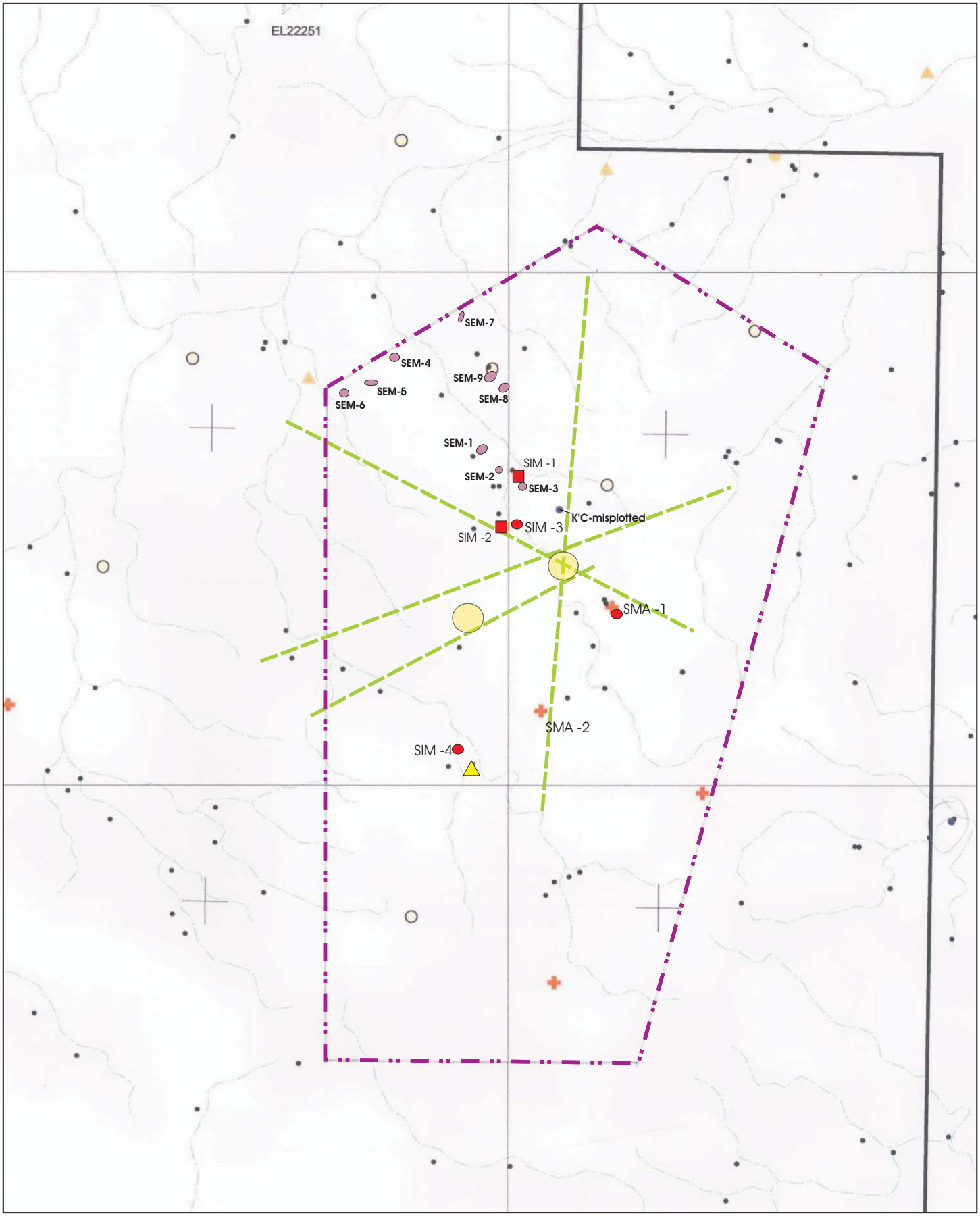
Astro Diamond Mines NL

Comp. :	L Bowyer
Date :	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	4

Calvert Hills Project

Foelsche Gravity Drill Targets for 2006

Annual Report 2006



LEGEND

- 2005 EM Anomaly
- Micro Diamond
- Macro Diamond
- 2005 EM Survey Boundary
- Landsat Target
- Linear Structure

N

0 1 2 3km

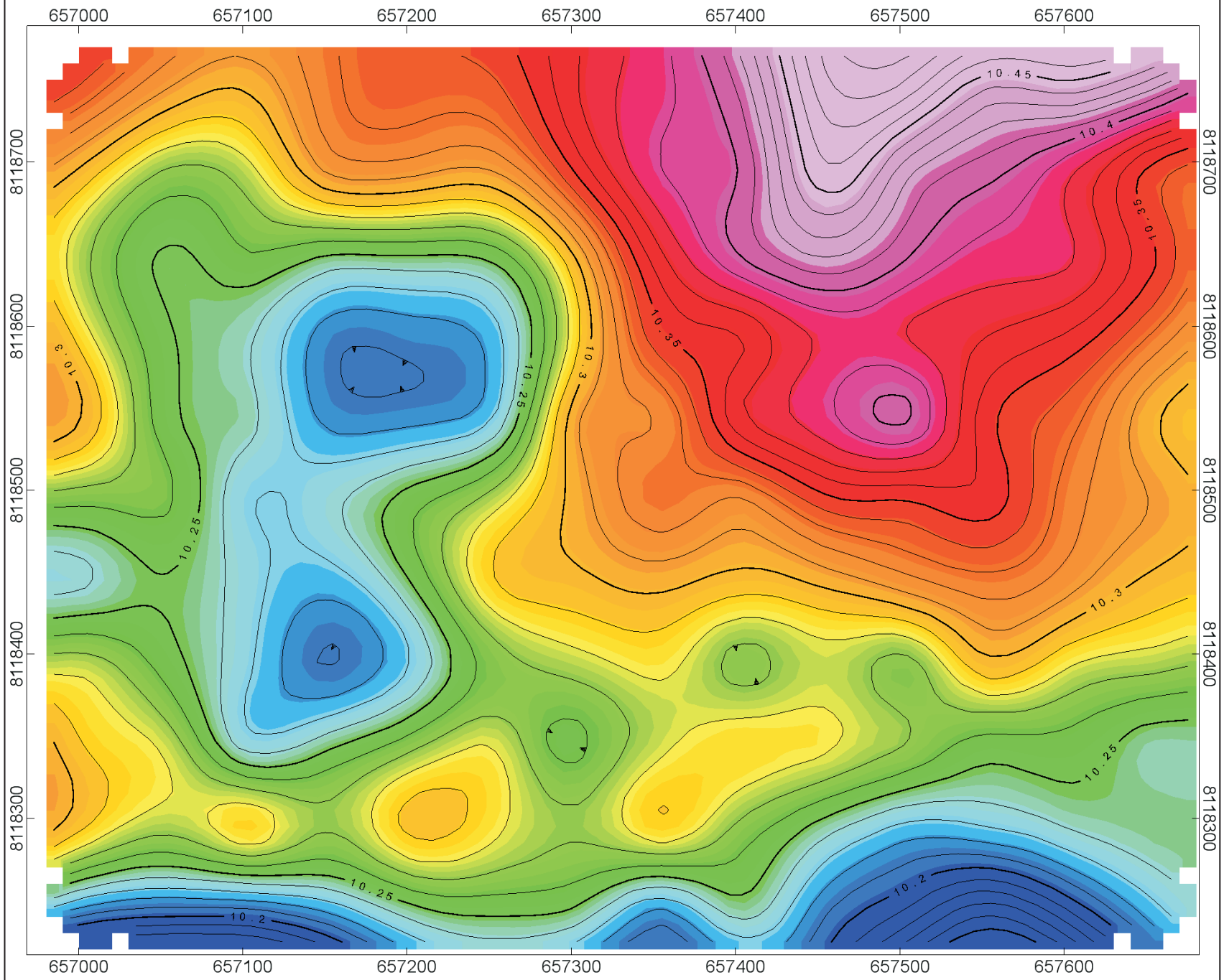
Astro Diamond Mines NL

Comp. :	L Bowyer
Date:	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	5

Calvert Hills Project

Selby
2005 EM Targets

Annual Report 2006



LEGEND

BG267
mGals

10.20 10.24 10.25 10.27 10.29 10.31 10.35 10.40

N

0 50 100 150
metres

Astro Diamond Mines NL

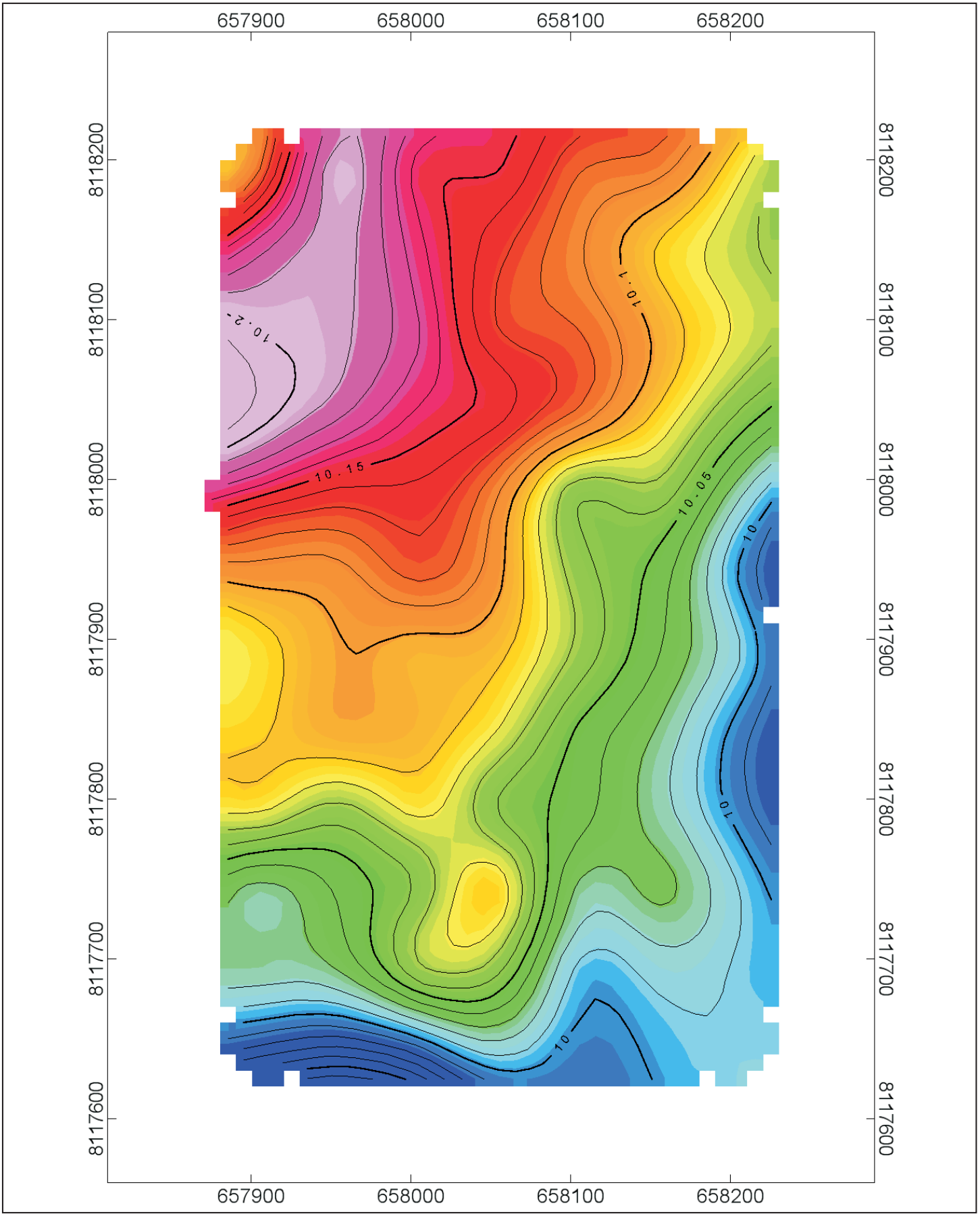
Calvert Hills Project

Borroloola Gravity Survey AREA 1

Image of Bouguer Gravity 2.67 gm/cc
Contour Interval 0.01 mGals

Annual Report 2006

Comp. :	L Bowyer	Date:	05/04/06
APR :	calverthills,a06	Loc. :	Melbourne
Plot :	Plotname	Figure :	6a



LEGEND

BG267
mGals
9.99 10.01 10.03 10.06 10.08 10.10 10.13 10.17

N

0 50 100 150
metres

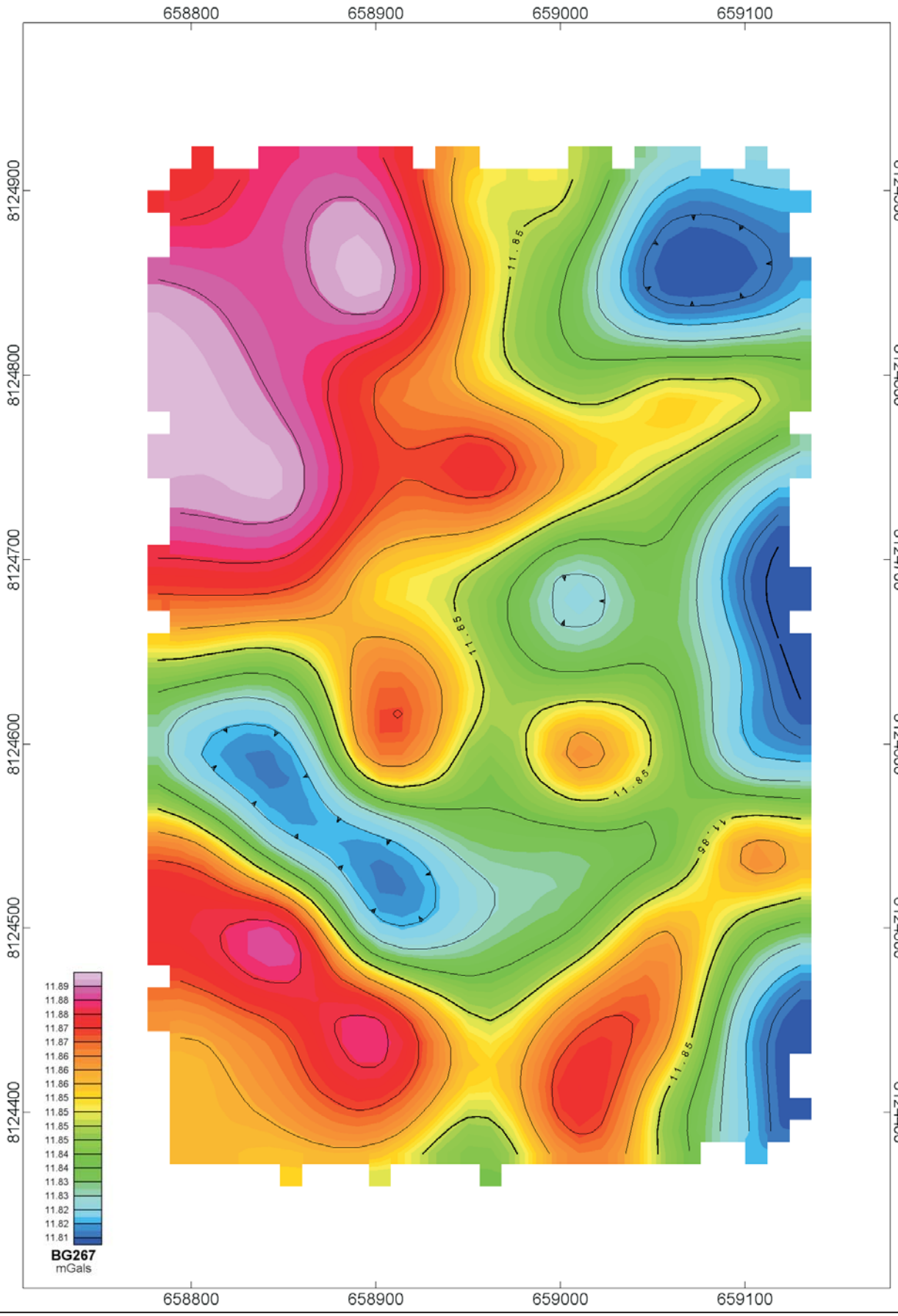
Astro Diamond Mines NL

Comp. :	L Bowyer
Date :	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	6b

Calvert Hills Project

Borroloola Gravity Survey
AREA 2
Image of Bouguer Gravity 2.67 gm/cc
Contour Interval 0.01 mGals

Annual Report 2006



LEGEND

N

0 50 100 150

metres

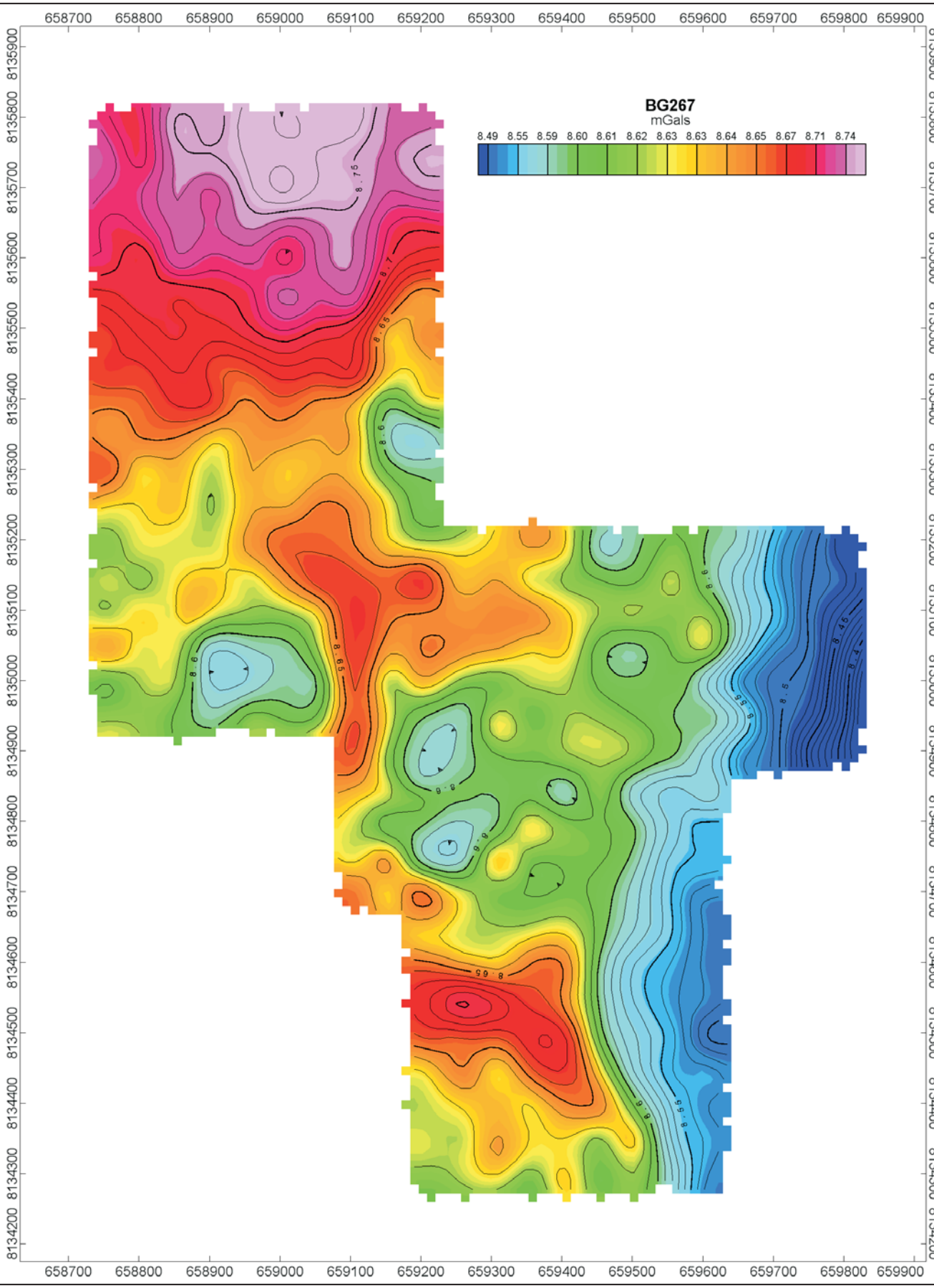
Astro Diamond Mines NL

Comp. :	L Bowyer
Date :	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	6c

Calvert Hills Project

Borroloola Gravity Survey
AREA 5
Image of Bouguer Gravity 2.67 gm/cc
Contour Interval 0.01 mGals

Annual Report 2006



LEGEND

N

0 50 100 150
metres

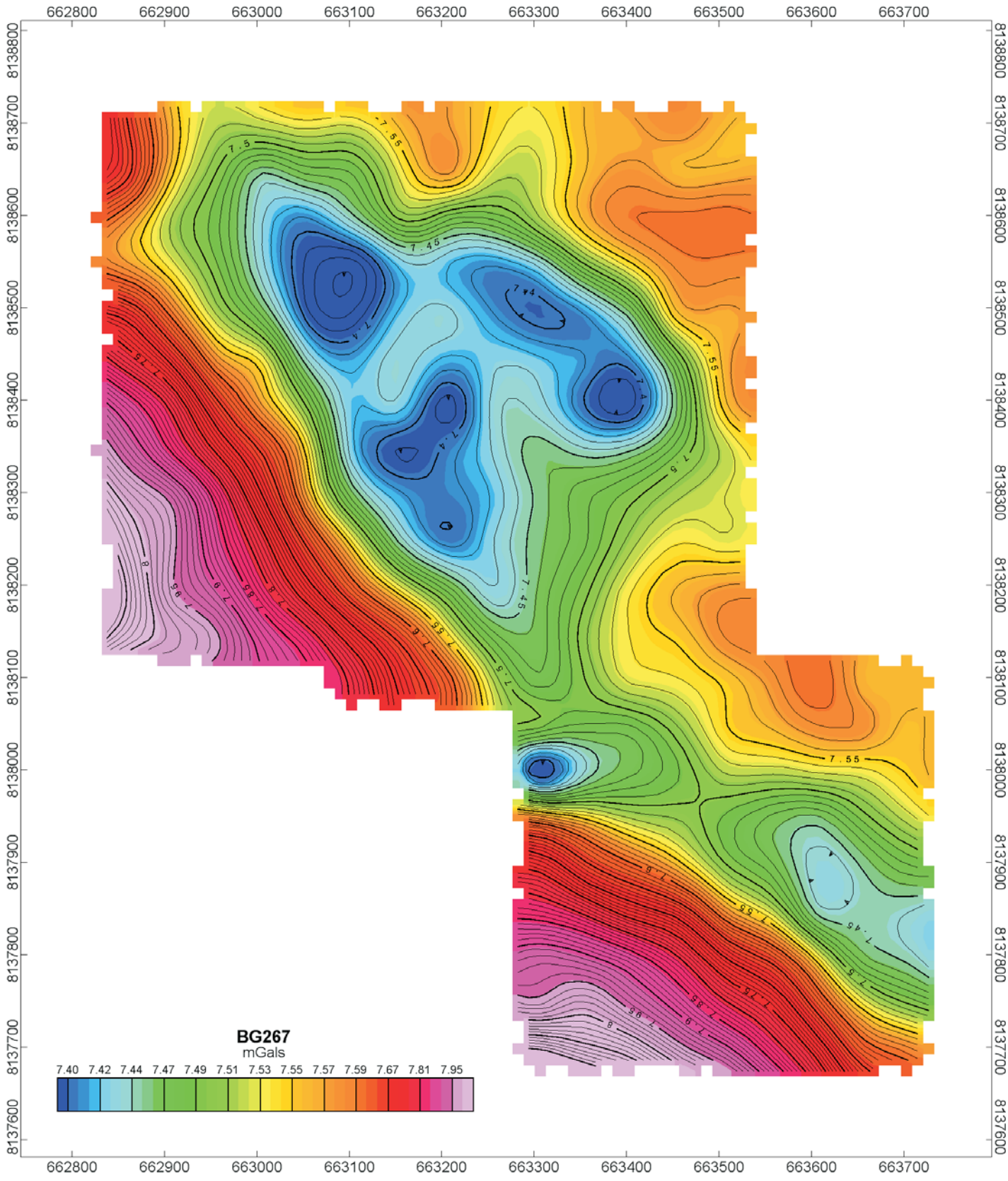
Astro Diamond Mines NL

Comp. :	L Bowyer
Date :	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	6d

Calvert Hills Project

Borroloola Gravity Survey
AREA 9
Image of Bouguer Gravity 2.67 gm/cc
Contour Interval 0.01 mGals

Annual Report 2006



LEGEND

N

0 50 100 150
metres

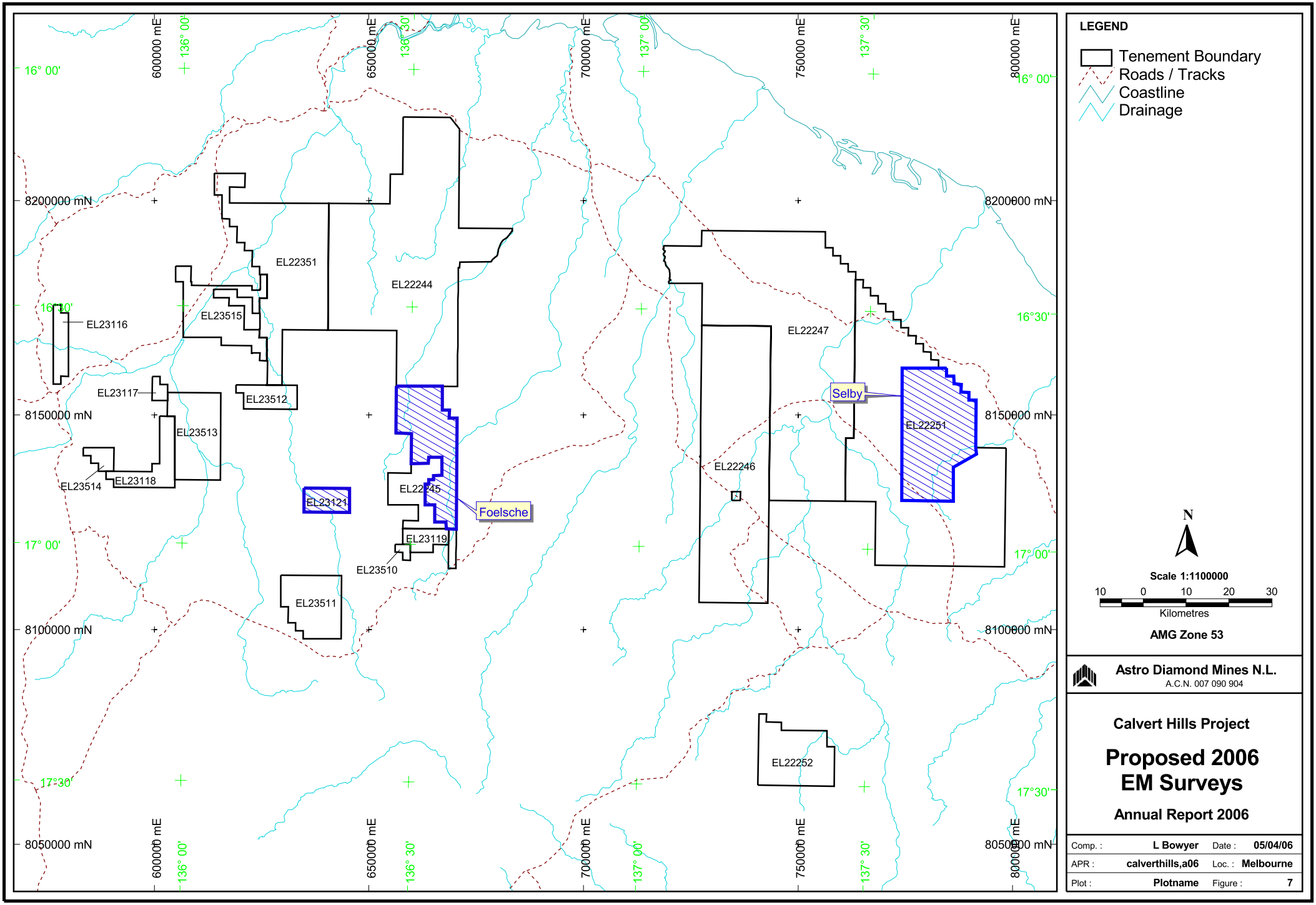
Astro Diamond Mines NL

Comp. :	L Bowyer
Date :	05/04/06
Loc. :	Melbourne
Scale :	
Plot :	
Figure :	6d

Calvert Hills Project

Borroloola Gravity Survey
AREA 13
Image of Bouguer Gravity 2.67 gm/cc
Contour Interval 0.01 mGals

Annual Report 2006



LEGEND

- Tenement Boundary
- Roads / Tracks
- Coastline
- Drainage

N

Scale 1:1100000

10 0 10 20 30

Kilometres

AMG Zone 53

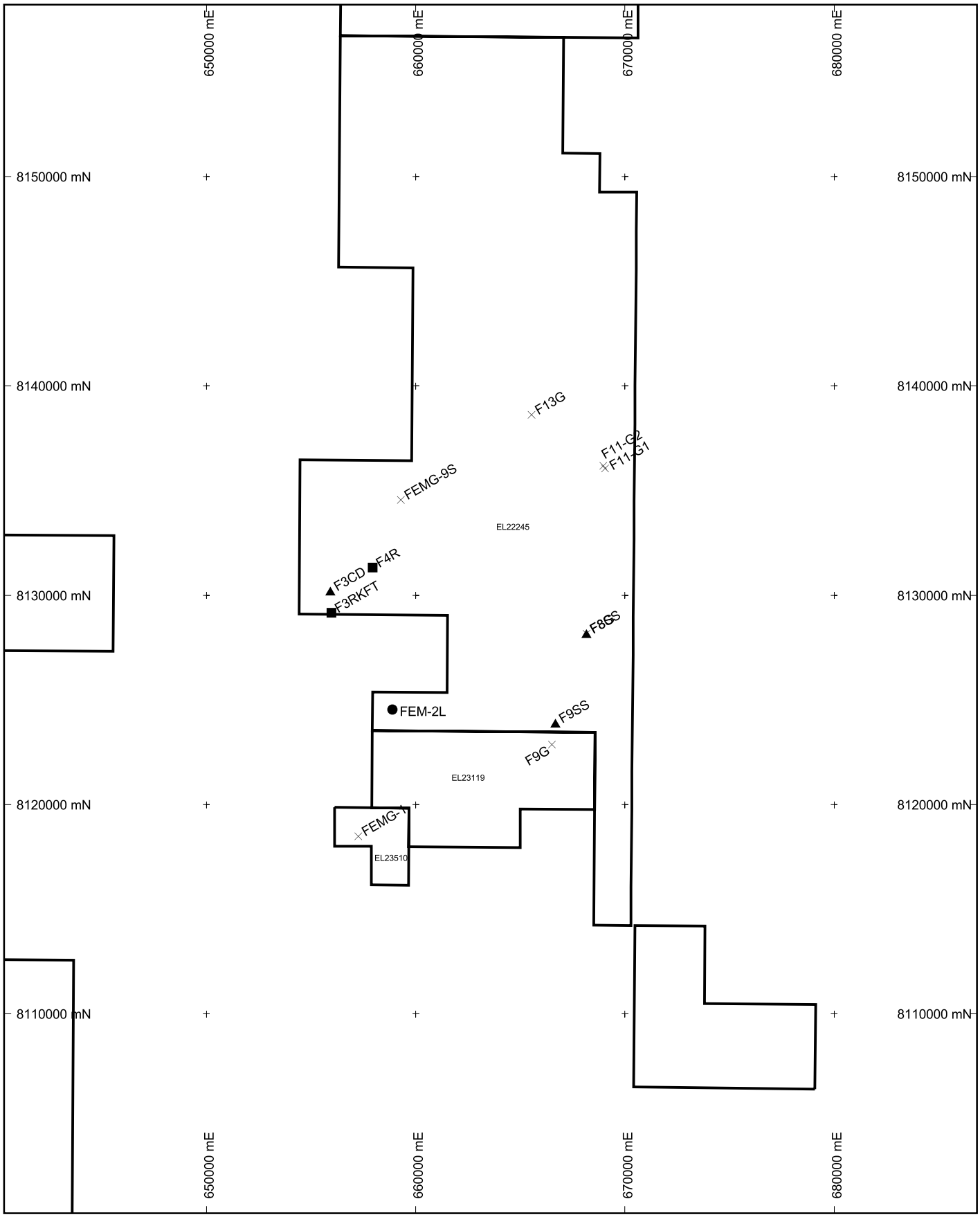
Astro Diamond Mines N.L.
A.C.N. 007 090 904

Calvert Hills Project

Proposed 2006 EM Surveys

Annual Report 2006

Comp. :	L Bowyer	Date :	05/04/06
APR :	calverthills,a06	Loc. :	Melbourne
Plot :	Plotname	Figure :	7



LEGEND

- Tenement Boundary

Sampling

- Loam
- Rockchip
- Soil
- Stream

N

0 1 2 3 4 5

Kilometres

MGA Zone 53

Astro Diamond Mines N.L.

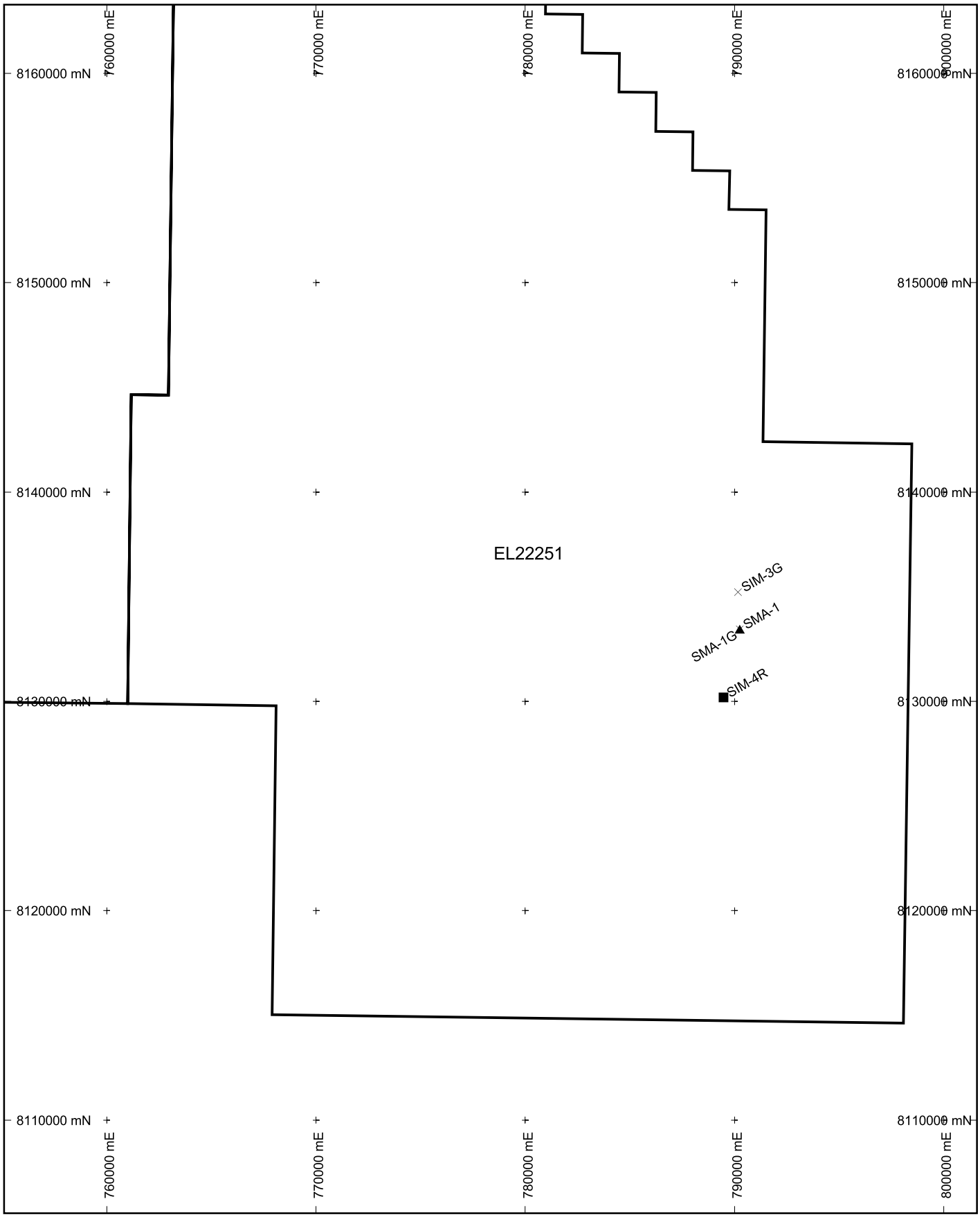
A.C.N. 007 090 904

Comp. :	L Bowyer
Date :	10/04/06
Loc. :	Melbourne
Scale :	1:250000
APR :	calverthills,a06
Plot :	Plotname
Figure :	8

Calvert Hills

Sample Location Plan

Annual Report 2006



LEGEND

- Tenement Boundary

Sampling

- Loam
- Rockchip
- Soil
- Stream

N

0 1 2 3 4 5

Kilometres

MGA Zone 53

Astro Diamond Mines N.L.

A.C.N. 007 090 904

Comp. :	L Bowyer
Date :	10/04/06
Loc. :	Melbourne
Scale :	1:250000
APR :	calverthills,a06
Plot :	Plotname
Figure :	9

Calvert Hills

Sample Location Plan

Annual Report 2006

Table 1

Heavy Mineral observations from selected Foelsche and Selby diamond and indicator sites

DIAMOND INDICATOR DAT/ **Sample No:** F3CD55

Job No: 557

Date Starte 28-6-05

Processing Weights

Initial: 17.3 kg

+2mm: kg

After Tabling: 2.29 kg

After TBE: 270 g

Positive ☐

Negative X

Positive (Other) ☐

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3
Digest							
Table							
HL		x	x	x	x	x	
Mag		x	x	x	x	x	

Fractions Analysed(x) Observed only(o) Scanne

Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
NM	x	x	x	x	x		
M4	x	x	x	x	x		
M3	x	x	x	x	x		

Kimberlite, Lamproite Indicators

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Wear/km	Appearanc
Diamond										
Chrome Diopside										
Chromite										
Phlogopite										
Picroilmenite										
Pyrope										

Detailed Descriptions

Mineral	Size/mm	Description

DIAMOND INDICATOR DATA

Sample No: FEM-2L

Job No: 557

Date Started: 28-6-05

Processing Weights

Initial: 20.8 kg

+2mm: kg

After Tabling: 0.202 kg

After TBE: 13 g

Positive [ ]

Negative [X]

Positive (Other) [ ]

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3
Digest							
Table	x	x	x	x	x	x	x
HL		x	x	x	x	x	
Mag							

Fractions Analysed(x) Observed only(o) Scanned

Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
NM	x	x	x	x	x		
M4	x	x	x	x	x		
M3	x	x	x	x	x		

Kimberlite, Lamproite Indicators

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Wear/km	Appearanc
Diamond										
Chrome Diopside										
Chromite										
Phlogopite										
Picroilmenite										
Pyrope										

Detailed Descriptions

Mineral	Size/mm	Description

DIAMOND INDICATOR DAT/ **Sample No:** F9-55

Job No: 557

Date Starte 28-6-05

Processing Weights

Initial: 6.5 kg

+2mm: kg

After Tabling: 0.815 kg

After TBE: 1 g

Positive ☐

Negative X

Positive (Other) ☐

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3
Digest							
Table	x	x	x	x	x	x	x
HL		x	x	x	x	x	
Mag							

Fractions Analysed(x) Observed only(o) Scanne

Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
NM	x	x	x	x	x		
M4	x	x	x	x	x		
M3	x	x	x	x	x		

Kimberlite, Lamproite Indicators

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Wear/km	Appearanc
Diamond										
Chrome Diopside										
Chromite										
Phlogopite										
Picroilmenite										
Pyrope										

Detailed Descriptions

Mineral	Size/mm	Description

DIAMOND INDICATOR DAT/

Sample No: F8-55

Job No: 557

Date Starte 28-6-05

Processing Weights

Initial: 10.8 kg

+2mm: kg

After Tabling: 0.168 kg

After TBE: 1 g

Positive

Negative X

Positive (Other)

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3
Digest							
Table	x	x	x	x	x	x	x
HL		x	x	x	x	x	
Mag							

Fractions Analysed(x) Observed only(o) Scanne

Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
NM	x	x	x	x	x		
M4	x	x	x	x	x		
M3	x	x	x	x	x		

Kimberlite, Lamproite Indicators

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Wear/km	Appearanc
Diamond										
Chrome Diopside										
Chromite										
Phlogopite										
Picroilmenite										
Pyrope										

Detailed Descriptions

Mineral	Size/mm	Description

DIAMOND INDICATOR DAT/

Sample No: SMA-155

Job No: 557

Date Starte 28-6-05

Processing Weights

Initial: 20.0 kg

+2mm: 1.3 kg

After Tabling: kg

After TBE: 15 g

Positive ☐

Negative X

Positive (Other) ☐

Ø/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	<0.3
Digest							
Table	x	x	x	x	x	x	x
HL		x	x	x	x	x	
Mag							

Fractions Analysed(x) Observed only(o) Scanne

Ø/mm	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1
NM	x	x	x	x	x		
M4	x	x	x	x	x		
M3	x	x	x	x	x		

Kimberlite, Lamproite Indicators

Sieve Size/mm	>2	>1	>0.8	>0.5	>0.4	>0.3	>0.2	>0.1	Wear/km	Appearanc
Diamond										
Chrome Diopside										
Chromite										
Phlogopite										
Picroilmenite										
Pyrope										

Detailed Descriptions

Mineral	Size/mm	Description

Table 2 - Foelsche-Selby Project Samples

PROJECT	TENEMENT	SAMPLE NUMBER	AMG - 53K Easting	AMG - 53K Northing	Stream Sediment	Loam	Rock Geochem	Soil Geochem	IDL-SS Geochem	Collected
FOELSCHE	**EL22245**	FEM-2L	658877	8124526		1			1	16/06/2005
	"	F3CD	655921	8130181	1				1	"
	"	F3RKFT	655958	8129148			1			"
	"	F4R	657927	8131316			1			"
	"	F8SS	668155	8128161	1				1	"
	"	F8G	668155	8128161				1		"
	"	F9SS	666664	8123877	1				1	"
	"	F11-G1	669042	8136043				1		"
	"	F11-G2	668963	8136169				1		"
	"	F13G	665518	8138602				1		"
	"	FEMG-9S	659280	8134540	1			15		20/10/2005
	EL23510	FEMG-1	675255	8118475				34		20/10/2005
	EL23119	F9G	666501	8122852				1		16/06/2005
PROJECT	**TENEMENT**	**SAMPLE NUMBER**	**AMG - 53K Easting**	**AMG-53K Northing**	**Stream Sediment**	**Loam**	**Rock Geochem**	**Soil Geochem**	**IDL-SS Geochem**	**Collected**
SELBY	**EL22251**	SIM-3G	790155	8135211				1		18/06/2005
		SMA-1	790241	8133431	1					"
		SMA-1G	790241	8133431				1		"
		SIM-4R	789454	8130177			1			"

TABLE 2.

Table 3

Results of soil and rock geochemistry over diamond sites.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 30-JUL-2005
This copy reported on: 8-AUG-2005
Account: ASTDIA

CERTIFICATE BR05053596

Project:

P.O. No.:

This report is for 3 Soil samples submitted to our lab in Brisbane, QLD, Australia on 6-JUL-2005.

The following have access to data associated with this certificate:

JOHN CEPLECHA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-21	Pulverize entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	38 element fusion ICP-MS	ICP-MS
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
ME-GRA05	H2O/LOI by TGA furnace	TGA

To: **ASTRO DIAMOND MINES NL**
ATTN: JOHN CEPLECHA
PO BOX 6315
ST KILDA ROAD CENTRAL
MELBOURNE VIC 8008

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053596

Sample Description	Method	WEI-21	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Recvd Wt.	Ag	Ba	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	1	0.5	0.5	0.5	10	0.1	5	0.1	0.1	0.1	1	0.1	1	0.1
F11-G1		0.65	1	144.5	24.9	1.3	<10	1.5	11	1.5	1.0	0.4	2	1.8	5	0.3
F9-G		0.30	<1	393	21.3	3.1	20	1.8	49	1.3	0.9	0.3	4	1.4	5	0.3
SMA-1G		0.30	1	30.2	28.1	1.8	20	0.9	31	1.8	1.2	0.4	4	2.0	6	0.4
F8-G		0.32	1	238	24.5	1.5	20	2.1	13	2.1	1.4	0.4	4	2.1	8	0.4
SIM-3G		0.36	<1	26.5	29.2	1.7	20	0.9	22	2.1	1.4	0.4	5	2.1	6	0.4
EXTRA F11-G2		0.62	3	294	26.2	6.4	20	2.1	26	2.7	1.6	0.5	4	2.7	4	0.5

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053596

Sample Description	Method / Analyte / Units / LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.1	ME-MS81 Mo ppm 2	ME-MS81 Nb ppm 1	ME-MS81 Nd ppm 0.5	ME-MS81 Ni ppm 5	ME-MS81 Pb ppm 5	ME-MS81 Pr ppm 0.1	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.1	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.5	ME-MS81 Tb ppm 0.1	ME-MS81 Th ppm 1
F11-G1		11.9	0.2	<2	3	8.7	6	6	2.5	31.6	1.7	1	84.0	<0.5	0.3	5
F9-G		10.7	0.2	4	3	7.8	21	12	2.3	67.0	1.4	1	43.9	<0.5	0.2	5
SMA-1G		14.0	0.2	2	3	11.0	9	5	3.1	6.4	2.1	1	14.8	<0.5	0.3	5
F8-G		11.5	0.2	4	3	9.0	6	10	2.6	54.6	1.9	1	99.8	<0.5	0.4	6
SIM-3G		16.4	0.2	2	3	11.4	6	9	3.5	6.7	2.1	2	13.4	<0.5	0.3	6
EXTRA F11-G2		14.0	0.2	3	3	11.8	8	10	3.2	41.3	2.3	1	100.5	<0.5	0.4	5

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053596

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
	Analyte	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
	LOR	0.5	0.1	0.5	5	1	0.5	0.1	5	0.5	0.01	0.01	0.01	0.01	0.01	0.01
F11-G1		<0.5	0.1	1.0	14	<1	8.8	1.0	<5	179.0	1.78	0.55	<0.01	0.05	0.01	0.75
F9-G		<0.5	0.1	1.5	28	1	7.0	1.0	5	197.0	4.08	1.21	<0.01	0.09	0.05	1.64
SMA-1G		<0.5	0.2	1.2	48	2	9.3	1.1	<5	234	2.20	1.65	<0.01	<0.01	<0.01	0.07
F8-G		<0.5	0.2	1.4	21	3	12.8	1.4	<5	315	3.00	0.41	<0.01	0.05	0.03	1.09
SIM-3G		<0.5	0.2	1.5	56	2	11.6	1.4	<5	227	2.85	1.86	<0.01	0.02	<0.01	0.08
EXTRA F11-G2		<0.5	0.2	1.4	53	2	16.2	1.3	8	132.0	2.70	2.96	5.64	3.75	0.02	0.87

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053596

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 P2O5 % 0.01	ME-GRA05 LOI % 0.01
F11-G1		<0.01	0.89
F9-G		0.04	3.25
SMA-1G		<0.01	1.86
F8-G		0.01	4.08
SIM-3G		0.06	2.63
EXTRA F11-G2		<0.01	10.08

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 25-JUL-2005
This copy reported on: 28-JUL-2005
Account: ASTDIA

CERTIFICATE BR05053595

Project:

P.O. No.:

This report is for 10 Rock samples submitted to our lab in Brisbane, QLD, Australia on 6-JUL-2005.

The following have access to data associated with this certificate:

JOHN CEPLECHA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-23	Pulv Sample - Split/Retain
CRU-21	Crush entire sample >70% -6 mm
LEV-01	Waste Disposal Levy
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	38 element fusion ICP-MS	ICP-MS
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
ME-GRA05	H2O/LOI by TGA furnace	TGA
ME-XRF06	Whole Rock Package - XRF	XRF

To: **ASTRO DIAMOND MINES NL**
ATTN: JOHN CEPLECHA
PO BOX 6315
ST KILDA ROAD CENTRAL
MELBOURNE VIC 8008

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 25-JUL-2005
Account: ASTDIA

CERTIFICATE OF ANALYSIS BR05053595

Sample Description	Method	WEI-21	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06	ME-XRF06
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOR	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
HUM-7		0.28	2.27	0.28	0.10	0.44	46.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.17	50.28
F4R		0.61	15.69	2.91	0.74	38.38	5.90	0.17	1.69	<0.01	0.12	0.02	0.02	<0.01	0.11	34.75
SIM-4R		0.44	69.26	11.84	4.89	1.12	<0.01	0.10	8.74	<0.01	0.29	0.02	0.03	<0.01	0.18	2.44
F11-G2R		0.29	64.78	4.43	2.16	8.15	5.10	<0.01	1.57	<0.01	0.11	0.07	0.02	0.01	0.17	12.68
F3-RKFT		0.50	69.95	1.70	26.52	0.03	<0.01	0.11	0.18	0.01	0.05	0.02	0.14	0.01	0.10	2.23
F13-G		0.45	88.76	4.32	2.24	0.15	<0.01	<0.01	1.61	<0.01	0.10	0.01	0.09	<0.01	0.13	2.21
F4-RR		0.87	56.20	2.61	35.06	0.07	<0.01	0.24	0.25	0.02	0.10	0.02	1.11	0.03	0.12	4.62
MCY-1		0.14	58.59	3.65	12.23	1.44	12.31	0.07	1.11	0.26	0.62	0.20	0.90	0.03	0.41	6.72
MCY-2		0.10	71.11	4.03	4.84	2.50	7.47	0.10	1.75	0.07	0.27	0.04	0.35	0.01	0.11	5.79
MCY-3		0.13	37.53	2.99	6.33	11.06	22.20	0.33	1.08	0.16	0.37	0.10	0.40	0.06	0.21	14.75

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053595

Sample Description	Method	ME-XRF06	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Total	Ag	Ba	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd	Hf	Ho
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	1	0.5	0.5	0.5	10	0.1	5	0.1	0.1	0.1	1	0.1	1	0.1
HUM-7		99.55	<1	67.2	6.2	2.7	<10	0.6	47	2.5	1.7	0.3	2	1.7	<1	0.5
F4R		100.50	<1	142.0	20.2	8.5	10	2.1	28	1.4	0.8	0.3	6	1.6	2	0.3
SIM-4R		98.91	<1	875	132.0	9.3	10	0.7	17	16.2	10.5	2.1	24	13.4	14	3.4
F11-G2R		99.26	<1	632	51.1	11.2	10	3.2	7	2.3	1.4	0.6	7	3.0	3	0.5
F3-RKFT		100.05	<1	57.9	11.5	4.8	60	0.8	78	2.0	1.1	0.4	4	1.8	2	0.4
F13-G		99.60	<1	311	36.5	1.8	10	2.0	6	3.0	1.8	0.5	7	2.9	7	0.6
F4-RR		100.40	<1	115.0	30.4	4.8	40	1.6	9	1.7	1.1	0.4	6	1.9	2	0.4
MCY-1		98.53	<1	2300	511	61.9	1840	5.4	75	3.5	1.5	3.1	9	11.8	2	0.5
MCY-2		98.45	<1	341	142.0	33.3	480	3.0	32	3.2	1.8	1.1	7	5.2	5	0.6
MCY-3		97.57	<1	958	231	74.1	1140	2.1	73	2.7	1.3	1.5	7	6.5	2	0.5

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053595

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	0.1	2	1	0.5	5	5	0.1	0.2	0.1	1	0.1	0.5	0.1	1
HUM-7		2.8	0.2	<2	<1	2.8	8	5	0.6	2.7	1.0	1	19.2	<0.5	0.3	1
F4R		10.0	0.1	<2	4	7.8	8	12	2.2	45.5	1.6	2	48.2	<0.5	0.2	5
SIM-4R		67.8	1.5	4	26	58.0	12	8	15.6	117.5	12.2	5	17.5	1.9	2.4	29
F11-G2R		26.9	0.2	<2	3	18.8	10	9	5.4	69.0	3.4	2	226	<0.5	0.4	6
F3-RKFT		6.0	0.2	9	1	5.9	13	9	1.5	8.9	1.7	1	12.4	<0.5	0.3	4
F13-G		16.7	0.3	<2	4	14.4	5	9	3.9	63.3	2.7	2	155.0	<0.5	0.5	9
F4-RR		14.0	0.2	4	3	12.2	14	<5	3.2	12.4	2.1	1	36.2	<0.5	0.3	5
MCY-1		385	0.1	<2	405	123.0	1035	24	45.8	138.0	12.2	1	248	19.7	1.0	92
MCY-2		98.2	0.3	3	102	39.5	442	7	13.2	76.3	5.3	2	166.0	4.6	0.6	26
MCY-3		166.5	0.2	<2	186	57.7	983	22	20.6	83.5	6.5	2	623	8.6	0.8	46

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053595

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
	Analyte	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
	LOR	0.5	0.1	0.5	5	1	0.5	0.1	5	0.5	0.01	0.01	0.01	0.01	0.01	0.01
HUM-7		<0.5	0.2	<0.5	19	<1	17.6	1.5	9	10.4	0.54	0.24	0.40	45.6	0.07	0.06
F4R		<0.5	0.1	1.1	26	2	7.8	0.8	<5	56.7	3.17	0.82	36.5	6.11	0.05	1.68
SIM-4R		<0.5	1.5	3.1	81	6	92.2	9.7	5	486	12.20	5.01	1.11	0.30	0.17	8.76
F11-G2R		<0.5	0.2	1.1	42	1	13.3	1.2	10	95.6	4.64	2.24	7.95	5.65	0.09	1.56
F3-RKFT		<0.5	0.2	4.2	53	1	7.3	1.1	33	70.8	1.91	25.7	0.03	0.07	0.04	0.22
F13-G		<0.5	0.2	1.7	42	2	15.6	1.8	5	261	4.62	2.35	0.16	0.21	0.08	1.61
F4-RR		<0.5	0.2	3.0	51	1	9.9	1.1	40	56.8	2.77	35.4	0.12	0.10	0.03	0.27
MCY-1		<0.5	0.1	8.5	67	3	13.4	0.9	64	98.7	3.95	12.75	1.39	12.90	0.10	1.15
MCY-2		<0.5	0.2	4.6	36	3	16.8	1.6	32	203	4.33	5.00	2.41	8.00	0.11	1.78
MCY-3		<0.5	0.2	6.9	43	2	11.6	1.0	45	97.7	3.33	6.56	10.90	23.5	0.34	1.15

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05053595

Sample Description	Method / Analyte / Units / LOR	ME-ICP06 P2O5 % 0.01	ME-GRA05 LOI % 0.01
HUM-7		<0.01	50.82
F4R		0.01	36.08
SIM-4R		0.03	2.59
F11-G2R		0.01	13.21
F3-RKFT		0.16	1.85
F13-G		0.10	1.89
F4-RR		1.04	4.00
MCY-1		0.84	5.95
MCY-2		0.37	5.45
MCY-3		0.38	14.71

Table 4

Soil geochemistry results over FEMG-1 and FEMG-9Results of soil and rock geochemistry over diamond sites.

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 4-NOV-2005
This copy reported on: 23-NOV-2005
Account: ASTDIA

CERTIFICATE BR05091523

Project:

P.O. No.:

This report is for 49 Soil samples submitted to our lab in Brisbane, QLD, Australia on 26-OCT-2005.

The following have access to data associated with this certificate:

JOHN CEPLECHA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy
PUL-21	Pulverize entire sample

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS62s	Up to 54 elements by ICP-MS	ICP-MS
ME-ICP61s	Up to 27 Element 4 Acid ICPAES	ICP-AES

To: **ASTRO DIAMOND MINES NL**
ATTN: JOHN CEPLECHA
PO BOX 6315
ST KILDA ROAD CENTRAL
MELBOURNE VIC 8008

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: _____

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05091523

Sample Description	Method	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-MS62s
	Analyte	Co	Cr	Mg	Ni	P	Zn	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	1	0.01	1	10	2	0.1
FEM 1-50 W		1	102	0.01	3	50	2	1.2
FEM 1-100 W		1	129	0.02	4	90	2	1.7
FEM 1-150 W		1	88	0.02	3	80	2	1.4
FEM 1-200 W		<1	64	0.01	4	60	<2	1.5
FEM 1-250 W		<1	98	0.01	3	60	<2	1.6
FEM 1-300 W		1	58	0.02	3	70	2	1.7
FEM 1-50 N		2	64	0.02	3	50	2	1.8
FEM 1-100 N		1	66	0.01	3	60	2	1.4
FEM 1-150 N		1	74	0.01	3	40	2	1.4
FEM 1-200 N		2	121	0.01	4	50	<2	1.3
FEM 1-250 N		1	75	0.01	3	50	2	1.8
FEM 1-300 N		1	80	0.01	4	60	2	1.8
FEM 1-350 N		1	43	0.01	4	50	2	1.9
FEM 1-400 N		1	79	0.02	3	70	2	2.0
FEM 1-50 E		1	73	0.01	3	60	2	1.7
FEM 1-100 E		2	58	0.02	3	60	2	1.8
FEM 1-150 E		1	65	0.01	4	50	2	1.6
FEM 1-200 E		1	52	0.02	3	60	2	1.9
FEM 1-250 E		2	60	0.02	4	70	2	1.9
FEM 1-300 E		1	43	0.02	4	70	6	2.0
FEM 1-50 S		1	76	0.01	2	40	2	1.3
FEM 1-100 S		1	48	0.01	3	50	<2	1.4
FEM 1-150 S		1	60	0.01	3	50	2	1.6
FEM 1-200 S		1	65	0.01	3	70	2	1.4
FEM 1-50 NNE		4	63	0.02	4	70	2	1.4
FEM 1-100 NNE		1	67	0.02	4	70	3	1.8
FEM 1-150 NNE		1	76	0.01	3	70	2	1.2
FEM 1-200 NNE		1	59	0.01	2	50	<2	1.0
FEM 1-250 NNE		3	62	0.02	3	90	2	1.7
FEM 1-350 NNE		4	57	0.05	5	110	4	3.0
FEM 1-400 NNW		3	63	0.04	3	70	3	2.4
FEM 1-450 NNW		3	50	0.05	4	90	3	3.0
FEM 1-300 NE		9	36	0.35	9	90	8	4.4
FEM 1-CENTRE		1	57	0.02	3	50	2	1.6
FEM 9S-50 N		1	56	0.02	2	40	<2	1.2
FEM 9S-100 N		2	69	0.01	4	40	<2	1.4
FEM 9S-150 N		1	78	0.01	3	30	<2	1.5
FEM 9S-200 N		1	60	0.01	4	30	2	1.5
FEM 9S-50 S		1	70	0.01	3	30	2	1.4
FEM 9S-100 S		<1	86	0.02	3	30	2	1.5

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

CERTIFICATE OF ANALYSIS BR05091523

Sample Description	Method	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-ICP61s	ME-MS62s
	Analyte	Co	Cr	Mg	Ni	P	Zn	Nb
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	1	1	0.01	1	10	2	0.1
FEM 9S-150 S		1	57	0.02	3	30	3	1.6
FEM 9S-200 S		<1	72	0.02	3	60	2	1.5
FEM 9S-50 E		1	70	0.01	2	30	<2	1.1
FEM 9S-100 E		1	45	0.02	4	60	2	2.0
FEM 9S-150 E		1	62	0.02	4	30	2	1.9
FEM 9S-50 W		1	59	0.01	3	30	<2	0.9
FEM 9S-100 W		<1	66	0.02	3	40	2	1.4
FEM 9S-150 W		1	60	0.02	3	30	2	1.5
FEM 9S-CENTRE		3	79	0.02	4	70	2	1.7

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Finalized Date: 7-DEC-2005
This copy reported on: 22-DEC-2005
Account: ASTDIA

CERTIFICATE BR05103176

Project: EX BR05091523

P.O. No.:

This report is for 49 Pulp samples submitted to our lab in Brisbane, QLD, Australia on 28-NOV-2005.

The following have access to data associated with this certificate:

JOHN CEPLECHA		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LEV-01	Waste Disposal Levy

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS82	Complete rare earth package	ICP-MS

To: **ASTRO DIAMOND MINES NL**
ATTN: JOHN CEPLECHA
PO BOX 6315
ST KILDA ROAD CENTRAL
MELBOURNE VIC 8008

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

Australian Laboratory Services Pty Ltd

32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Project: EX BR05091523

CERTIFICATE OF ANALYSIS BR05103176

Sample Description	Method	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82	ME-MS82
	Analyte	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm	U
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.5	0.1	0.1	0.1	1	0.1	0.5
FEM 1-50 W		9.9	0.8	0.5	0.2	0.8	0.2	4.7	0.1	3.9	1.0	0.8	0.1	2	0.1	0.6
FEM 1-100 W		18.6	1.5	0.9	0.3	1.4	0.3	8.5	0.2	8.1	2.0	1.5	0.2	3	0.1	0.8
FEM 1-150 W		17.4	1.4	0.8	0.4	1.5	0.3	7.6	0.1	8.3	2.0	1.6	0.2	3	0.1	0.7
FEM 1-200 W		14.6	1.3	0.8	0.2	1.2	0.3	6.9	0.1	5.8	1.5	1.1	0.2	3	0.1	0.8
FEM 1-250 W		14.3	1.2	0.7	0.2	1.1	0.2	6.9	0.1	5.5	1.4	1.0	0.2	3	0.1	0.7
FEM 1-300 W		17.2	1.4	0.8	0.3	1.4	0.3	7.9	0.1	7.1	1.8	1.4	0.2	3	0.1	0.8
FEM 1-50 N		13.1	1.4	1.0	0.3	1.2	0.3	6.2	0.2	5.1	1.3	1.1	0.2	3	0.2	1.0
FEM 1-100 N		11.7	1.2	0.7	0.2	1.0	0.2	5.5	0.1	4.5	1.2	0.9	0.2	3	0.1	0.6
FEM 1-150 N		8.9	1.0	0.6	0.2	0.8	0.2	4.4	0.1	3.4	0.9	0.7	0.1	2	0.1	0.6
FEM 1-200 N		10.0	0.9	0.5	0.2	0.8	0.2	4.8	0.1	3.8	1.0	0.7	0.1	2	0.1	0.5
FEM 1-250 N		11.5	1.1	0.7	0.2	0.9	0.2	5.6	0.1	4.4	1.1	0.9	0.2	3	0.1	0.7
FEM 1-300 N		13.1	1.2	0.7	0.2	1.1	0.3	6.5	0.1	5.2	1.3	1.0	0.2	3	0.1	0.8
FEM 1-350 N		12.4	1.1	0.7	0.2	0.9	0.2	6.1	0.1	4.6	1.2	0.9	0.2	3	0.1	0.8
FEM 1-400 N		15.5	1.4	0.9	0.3	1.3	0.3	7.5	0.2	5.8	1.5	1.2	0.2	4	0.1	0.9
FEM 1-50 E		11.2	1.1	0.6	0.2	0.9	0.2	5.5	0.1	4.1	1.0	0.8	0.2	3	0.1	0.7
FEM 1-100 E		13.8	1.1	0.7	0.2	1.0	0.2	6.4	0.1	5.3	1.4	1.1	0.2	3	0.1	0.8
FEM 1-150 E		11.2	1.0	0.6	0.2	0.8	0.2	5.5	0.1	3.9	1.0	0.8	0.1	3	0.1	0.7
FEM 1-200 E		15.0	1.2	0.7	0.2	1.1	0.3	7.0	0.1	5.6	1.4	1.1	0.2	3	0.1	0.8
FEM 1-250 E		14.6	1.3	0.8	0.2	1.1	0.3	7.1	0.2	5.2	1.4	1.0	0.2	4	0.1	0.9
FEM 1-300 E		14.4	1.6	1.0	0.2	1.2	0.3	6.9	0.2	5.2	1.4	1.1	0.2	4	0.2	1.0
FEM 1-50 S		8.3	0.8	0.5	0.1	0.6	0.2	4.3	0.1	2.9	0.8	0.6	0.1	2	0.1	0.6
FEM 1-100 S		10.3	0.9	0.5	0.2	0.8	0.2	5.1	0.1	3.7	1.0	0.7	0.1	2	0.1	0.6
FEM 1-150 S		11.4	1.1	0.7	0.2	0.9	0.2	5.6	0.1	4.2	1.1	0.8	0.2	3	0.1	0.7
FEM 1-200 S		10.8	1.1	0.7	0.2	0.9	0.2	5.4	0.1	3.9	1.0	0.8	0.2	2	0.1	0.7
FEM 1-50 NNE		12.4	1.2	0.7	0.2	1.0	0.2	5.9	0.1	4.5	1.2	0.9	0.2	3	0.1	0.7
FEM 1-100 NNE		11.0	1.0	0.7	0.2	0.9	0.2	5.5	0.1	4.0	1.0	0.8	0.2	3	0.1	0.8
FEM 1-150 NNE		8.0	0.8	0.5	0.1	0.6	0.2	4.1	0.1	2.8	0.8	0.6	0.1	2	0.1	0.6
FEM 1-200 NNE		8.1	0.9	0.6	0.1	0.7	0.2	4.1	0.1	2.9	0.8	0.6	0.1	2	0.1	0.6
FEM 1-250 NNE		12.9	1.1	0.7	0.2	1.1	0.2	6.3	0.1	4.8	1.2	1.0	0.2	3	0.1	0.7
FEM 1-350 NNE		24.5	2.1	1.2	0.4	1.9	0.4	11.5	0.2	9.3	2.4	1.9	0.3	5	0.2	1.2
FEM 1-400 NNW		16.9	1.7	1.1	0.3	1.5	0.4	8.0	0.2	6.7	1.7	1.4	0.3	4	0.2	1.1
FEM 1-450 NNW		22.0	2.2	1.4	0.4	1.9	0.5	10.2	0.2	8.7	2.2	1.8	0.3	5	0.2	1.2
FEM 1-300 NE		33.2	2.6	1.5	0.6	2.6	0.5	16.1	0.3	13.1	3.3	2.7	0.4	6	0.2	1.2
FEM 1-CENTRE		11.0	1.1	0.7	0.2	0.9	0.2	5.4	0.1	4.1	1.1	0.9	0.2	3	0.1	0.7

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
Australian Laboratory Services Pty Ltd
32 Shand Street
Stafford
Brisbane QLD 4053
Phone: +61 (7) 3243 7222 Fax: +61 (7) 3243 7218 www.alschemex.com

Project: EX BR05091523

CERTIFICATE OF ANALYSIS BR05103176

Sample Description	Method / Analyte / Units / LOR	ME-MS82 Y ppm 0.5	ME-MS82 Yb ppm 0.1
FEM 1-50 W		5.4	0.6
FEM 1-100 W		9.2	0.9
FEM 1-150 W		8.4	0.9
FEM 1-200 W		8.3	0.9
FEM 1-250 W		7.9	0.8
FEM 1-300 W		8.9	0.9
FEM 1-50 N		10.2	1.1
FEM 1-100 N		7.5	0.7
FEM 1-150 N		6.5	0.7
FEM 1-200 N		5.9	0.6
FEM 1-250 N		7.4	0.8
FEM 1-300 N		8.4	0.9
FEM 1-350 N		7.6	0.8
FEM 1-400 N		9.7	1.0
FEM 1-50 E		7.1	0.8
FEM 1-100 E		7.6	0.8
FEM 1-150 E		6.7	0.7
FEM 1-200 E		8.2	0.9
FEM 1-250 E		8.9	1.0
FEM 1-300 E		10.6	1.1
FEM 1-50 S		5.7	0.6
FEM 1-100 S		6.0	0.6
FEM 1-150 S		7.5	0.8
FEM 1-200 S		7.4	0.8
FEM 1-50 NNE		7.9	0.8
FEM 1-100 NNE		7.4	0.8
FEM 1-150 NNE		5.9	0.6
FEM 1-200 NNE		6.3	0.7
FEM 1-250 NNE		7.8	0.8
FEM 1-350 NNE		13.8	1.4
FEM 1-400 NNW		12.2	1.3
FEM 1-450 NNW		13.7	1.6
FEM 1-300 NE		16.8	1.6
FEM 1-CENTRE		7.3	0.8