

**ALJAWARRA PROJECT**

**EXPLORATION LICENCE 22509**  
**ANNUAL REPORT FOR THE**  
**PERIOD ENDING 01 APRIL 2004**

# DE BEERS

A DIAMOND IS FOREVER

PROJECT: Aljawarra Project  
TITLE: Exploration Licence 22509  
Annual Report for the  
Period Ending 01 March 2004

AUTHOR: K J Pittard  
DATE: April 2004

EDITED: MIM/SJG  
APPROVED: MSM  
PLACE: Perth

1:250,000 Sheet Name/s & No/s: Elkedra (SF53-07) & Sandover River (SF53-08)

Text Pages: 6 Tables: 5 Figures: 3 Maps: 4 Appendices: 1

KEYWORDS: NT, Drilling, Georgina Basin, Loam Sampling, Magnetic Anomalies

## ABSTRACT:

Exploration carried out within the current reporting period consisted of a drilling programme designed to test three priority intrusive-type magnetic anomalies. Three RC holes were drilled within EL22509; depths were 34 m, 120 m and 21 m (totalling 175 m). Alluvial magnetic sediments explained all anomalies; no kimberlitic material was intersected. Two of the priority magnetic anomalies were sampled, each with five 50 litre loam samples. All sample results were negative except one which contained a single chromite grain, thought not of kimberlitic origin. Drill samples are currently being processed in De Beers' Perth Treatment Plant.

COPY TO: NTDME, EDMS

Ref: kjp\_2004\_12\_rep.doc



**DE BEERS AUSTRALIA EXPLORATION LIMITED**

15 HANWELL WAY BASSENDEAN WESTERN AUSTRALIA 6054 AUSTRALIA

TEL +61 (8) 9378 0000 FAX +61 (8) 9378 0020

## **SUMMARY**

Exploration Licence:	22509
Application Date:	18 <sup>th</sup> April 2002
Date Granted:	2 <sup>nd</sup> April 2002
Expiry Date:	1 <sup>st</sup> April 2008
Total Area:	455 Blocks (1,424 km <sup>2</sup> )
Managing and Registered Co.:	De Beers Australia Exploration Limited
Commodities Sought:	Diamonds
Commitment:	\$50,000

### **Exploration:**

Diamond exploration conducted by DeBeers over the Aljawarra Project within the first year of tenure (2<sup>nd</sup> April 2002 – 1<sup>st</sup> April 2003) was almost entirely geophysical. The NTGS Elkedra and Eromanga aeromagnetic surveys were infilled from 400 m to 200 m line spacing within tenement boundaries, and these data were interpreted with the aim of identifying intrusive type magnetic signatures typical of kimberlites. Once identified, such anomalies received detailed airborne follow up (DAF): Universal Tracking Systems (UTS) were contracted to acquire magnetic data over 1 km x 1 km blocks covering the anomalies at 50 m line spacing and 25 m terrain clearance. Anomalies were prioritised for drill testing based upon these data. Within EL22509, one anomaly had received detailed airborne follow up before the tenement was granted (this anomaly was chosen from the Eromanga survey) and four anomalies received DAF within the first year of tenure (chosen from 200 m in-fill data). Three anomalies within EL22509 were recommended for drill testing based on detailed data.

Exploration carried out within the current reporting period therefore consisted of a drilling project to test three priority intrusive-type magnetic anomalies. Three RC holes were drilled within EL22509; depths were 34 m, 120 m and 21 m (totalling 175 m). Alluvial magnetic sediments explained all anomalies, and no kimberlitic material was intersected. Five 50 litre loam samples were taken over two of the priority magnetic anomalies; all samples were negative save one which contained one chromite grain, thought not of kimberlitic origin. Drill samples are currently being processed in the Perth Treatment Plant.

## TABLE OF CONTENTS

<b>1.0</b>	<b>Introduction</b>	<b>1</b>
<b>2.0</b>	<b>Tenure</b>	<b>1</b>
<b>3.0</b>	<b>Description of Project Area</b>	<b>2</b>
3.1	<i>Infrastructure</i>	2
3.2	<i>Physiography</i>	2
3.3	<i>Geology</i>	2
<b>5.0</b>	<b>Diamond Exploration Activities</b>	<b>3</b>
5.1	<i>Magnetic Anomalies</i>	3
5.2	<i>Sampling</i>	4
5.3	<i>Drilling</i>	4
5.4	<i>Results</i>	5
<b>6.0</b>	<b>Conclusion</b>	<b>5</b>
<b>7.0</b>	<b>Proposed Forward Work Programme</b>	<b>5</b>
<b>8.0</b>	<b>Expenditure</b>	<b>6</b>
<b>9.0</b>	<b>References</b>	<b>6</b>

## **LIST OF TABLES**

Table 1	Tenure Details
Table 2	Magnetic Anomalies within EL22509
Table 3	Loam Samples taken over EL22509
Table 4	Drill hole coordinates and depths
Table 5	Expenditure Details

## **LIST OF APPENDICES**

Appendix A	Drill hole Samples
------------	--------------------

## **LIST OF FIGURES**

Figure 1	Drill log for DH03/ELK073_01
Figure 2:	Drill log for DH03/ELK082_01
Figure 3	Drill log for DH03/ELK105_01

## **LIST OF MAPS**

Map 1	Location map
Map 2	Exploration Index Map
Map 3	Sample, Magnetic Anomaly and Drill hole Location Map

## 1.0 INTRODUCTION

Exploration licence EL22509 lies within the Aljawarra project in the Northern Territory. The licence is located on the Elkedra and Sandover River 1:250K mapsheets, within the Georgina Basin.

Diamond exploration conducted by DeBeers over the Aljawarra Project within the first year of tenure (2<sup>nd</sup> April 2002 – 1<sup>st</sup> April 2003) was almost entirely geophysical. The NTGS Elkedra and Eromanga aeromagnetic surveys were infilled from 400 m to 200 m line spacing within tenement boundaries, and these data were interpreted with the aim of identifying intrusive type magnetic signatures typical of kimberlites. Once identified, such anomalies received detailed airborne follow up (DAF), whereby Universal Tracking Systems (UTS) were contracted to acquire magnetic data over 1 km x 1 km blocks covering the anomalies at 50 m line spacing and 25 m terrain clearance. Anomalies were prioritised for drill testing based upon these data. Within EL22509, one anomaly had received detailed airborne follow up before the tenement was granted (this anomaly was chosen from the Eromanga survey) and five anomalies received DAF within the first year of tenure (chosen from 200 m in-fill data). Three anomalies within EL22509 were recommended for drill testing based on detailed data.

Exploration carried out within the current reporting period therefore consisted of a drilling project to test three priority intrusive-type magnetic anomalies. Three RC holes were drilled within EL22509; depths were 34 m, 120 m and 21 m (totalling 175 m). Alluvial magnetic sediments explained all anomalies, and no kimberlitic material was intersected. Five 50 litre loam samples were taken over each of two of the priority magnetic anomalies; all samples were negative save one which contained one chromite grain, thought not of kimberlitic origin. Collected spoils from drilling during the reporting period are currently being processed in the Perth Treatment Plant, with results expected to become available during May 2004.

## 2.0 TENURE

Tenure details for the Aljawarra Project are outlined in Table 1. De Beers Australia Exploration Limited is the sole managing and registered company for the exploration licences.

Table 1: Tenure Details

Tene- ment	Status	Application Date	Grant Date	Expiry Date	Area (Km <sup>2</sup> )	Blocks	Commit't
EL22505	GRANTED	18-04-00	03-07-03	02-07-09	1150.0	360	\$50,000
EL22506	GRANTED	18-04-00	23-05-02	22-05-08	1562.5	488	\$33,768
EL22507	GRANTED	18-04-00	23-05-02	22-05-08	77.0	24	\$20,000
EL22995	GRANTED	31-01-01	13-02-03	12-02-09	1566.0	499	\$60,000
EL23415	GRANTED	10-10-01	19-12-02	18-12-08	1381.3	432	\$60,000
EL23416	GRANTED	10-10-01	19-12-02	18-12-08	1151.1	360	\$45,000
<b>EL22509</b>	<b>GRANTED</b>	<b>18-04-00</b>	<b>02-04-02</b>	<b>01-04-08</b>	<b>1424.0</b>	<b>455</b>	<b>\$50,000</b>

The Aljawarra Project is located within the jurisdiction of the Central Land Council (CLC). A search was conducted and maps obtained from the Aboriginal Areas Protection Authority (AAPA) showing locations of recorded and registered sites in the vicinity of the project area.

An exploration deed was signed with the CLC on the 21<sup>st</sup> of May 2003, allowing ground access from then on subject to clearance surveys.

### **3.0 DESCRIPTION OF PROJECT AREA**

#### **3.1 Infrastructure**

The Aljawarra Project covers an area of 8,310 km<sup>2</sup> and is situated approximately 420 km north-east of Alice Springs and 250 km west-southwest of Mt Isa in the Northern Territory. Vehicle access is restricted to the main Sandover Highway and local station tracks. Stations covered by the project area include Lake Nash, Argadargada, Ooratippra, Annitowa and Derry Downs.

#### **3.2 Physiography**

The area consists of hill country and red semidesert in the west and south, and grey soil plains in the north and east. An east-west striking divide separates the area into two drainage basins. The northern river system drains most of the area, and consists of the Sandover and Woodroffe Rivers and their tributaries, which lead north-east and east into the Georgina River. The southern river system consists of the Imbordjudu and Bloodwood Creeks. The creeks and smaller streams are parallel; some flow south-eastwards and others flood out to level sandy country.

#### **3.3 Geology**

(After P.D.Kruse, L.C.Mohammed, J.N.Dunster and M.L.Duffett 2002)

The Aljawarra Block forms part of the North Australian Craton, with an assumed basement age, based on tectonic models and zircon inheritance, to be 3+ Ga (Archaean). The project area encompasses a portion of the Southern Georgina Basin which is described as an unmetamorphosed and essentially undeformed Late Cambrian to Early Ordovician and Cainozoic sedimentary rocks. Drilling has revealed in the subsurface metavolcanic schist and Middle to Upper Cambrian sedimentary units, one deep drill hole intersected a Palaeoproterozoic meta-andesite or metabasic rock at 1000 m. Skippy seismic data suggests an anomalously thick lithosphere – some 200 km. The basement is also characterised by relatively low heat flow and low crustal temperatures consistent with the presence of thick cratonic style lithosphere.

In the Middle Cambrian the Thornton Limestone was deposited in a marine platform setting during a widespread marine transgression. This unit predominately consists of dolostone with locally derived basal terrigenous sediments with interfingering pyritic-carbonaceous black shale interbeds. The Arthur

Creek Formation, pyritic carbonaceous black shale and the Steamboat Sandstone, quartz dolostone and quartz sandstone, overlie and complete the Middle Cambrian sequences.

The Late Cambrian is marked by peritidal sequences the Arrinthrunga Formation and its basal equivalent the evaporitic Chabalowe Formation found in the western areas. The dominant units are the calcimudstone, microbial laminate, peloid/intraclast and ooid grainstone, stromatolitic boundstone, quartzic limestone and dolomitic equivalents, and minor quartz sandstone.

During the Cambro-Ordovician, deposition consisted of two main depofacies, the peritidal influenced, marine platform carbonate rocks of the Ninmaroo Formation in the eastern project area and the interfingering terrigenous quartz-glaucanite sandstone of the Tomahawk Formation in the western project area. Possible Permian fluvio-glacial deposits reside in the east on the Glenormiston mapsheet, however none are mapped in the Northern Territory.

In the Cainozoic terrestrial environment pedogenic and lacustrine (Austral Downs Limestone) conditions prevailed.

## 5.0 DIAMOND EXPLORATION ACTIVITIES

### 5.1 Magnetic Anomalies

One priority magnetic anomaly was chosen within EL22509 from the NTGS Eromanga survey (ELK082). This anomaly received DAF (detailed airborne follow up - 1 km x 1 km block of 50 m line spaced aeromagnetics at 25 m terrain clearance) in 2001. Upon acquisition and interpretation of 200 m line spaced infill data in 2002, a further 4 priority anomalies were chosen, receiving DAF in October 2002. Based on detailed data, three anomalies were recommended for drill testing. All anomalies, their locations, and their final priority for drilling, are contained in Table 2 below.

Table 2: Magnetic Anomalies within EL22905

Anomaly	Easting	Northing	Datum & Projection	Longitude	Latitude	Drilling Priority
ALA015	625337	7607957	GDA94 MGA53	136.211054	-21.627115	No work
<b>ELK073</b>	<b>609983</b>	<b>7606170</b>	<b>GDA94 MGA53</b>	<b>136.062833</b>	<b>-21.644270</b>	<b>Low</b>
<b>ELK082</b>	<b>627221</b>	<b>7616645</b>	<b>GDA94 MGA53</b>	<b>136.228591</b>	<b>-21.548499</b>	<b>High</b>
ELK098	650409	7622610	GDA94 MGA53	136.451935	-21.492822	No work
<b>ELK105</b>	<b>664797</b>	<b>7625483</b>	<b>GDA94 MGA53</b>	<b>136.590503</b>	<b>-21.465615</b>	<b>High</b>



## 5.2 Sampling

Magnetic anomalies ELK073 and ELK105 were sampled with five loam samples each – one at the anomaly centre, and one sample each 100 m north, south, west and east of the anomaly centre. Each loam sample consisted of 50 litres of surface material screened in the field to -2.0 mm. Samples were freighted back to DBAE's Perth primary treatment facility for sizing and concentrating. Acidised concentrates were forwarded to the De Beers Melbourne Laboratory for secondary concentration and examination.

Table 3: Loam samples taken over EL22509 within the current reporting period

Sample	Longitude	Latitude	Datum & Projection	Map sheet	Sample Type	Anom	Result
BV7101	136.06284	-21.64438	GDA94 MGA53	F5307	LOAM	ELK073	negative
BV7102	136.06224	-21.64425	GDA94 MGA53	F5307	LOAM	ELK073	negative
BV7103	136.06273	-21.64491	GDA94 MGA53	F5307	LOAM	ELK073	negative
BV7104	136.06339	-21.64434	GDA94 MGA53	F5307	LOAM	ELK073	negative
BV7105	136.06282	-21.64391	GDA94 MGA53	F5307	LOAM	ELK073	negative
BV7123	136.59050	-21.46635	GDA94 MGA53	F5308	LOAM	ELK105	negative
BV7124	136.59005	-21.46636	GDA94 MGA53	F5308	LOAM	ELK105	negative
BV7125	136.59100	-21.46633	GDA94 MGA53	F5308	LOAM	ELK105	1 chromite
BV7126	136.59051	-21.46592	GDA94 MGA53	F5308	LOAM	ELK105	negative
BV7127	136.59052	-21.46673	GDA94 MGA53	F5308	LOAM	ELK105	negative

## 5.3 Drilling

In July 2003 Wallis Drilling were contracted to mobilise from Perth and drill magnetic anomalies ELK073, ELK082 and ELK105. One single vertical RC hole was drilled into each anomaly to depths of 21 m, 34 m and 120 m respectively. Table 4 below gives the coordinates and final depth of each drill hole. Drill samples taken down hole at 2 m intervals are listed in Appendix A.

Table 4: Drill hole coordinates and depths

Drill hole	Easting	Northing	Datum and Projection	Longitude	Latitude	Depth
DH03/ELK073_01	609984	7606168	GDA94 MGA53	136.0628463	-21.6442901	21 m
DH03/ELK082_01	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	34 m
DH03/ELK105_01	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	120 m

## 5.4 Results

All loam samples taken over magnetic anomalies (see Table 3) were negative apart from BV7125, which contained one chromite grain thought non-kimberlitic in origin. This loam sample was located 100 m east of magnetic anomaly ELK105.

Magnetic anomalies were explained by alluvial sediments containing hematite. DH03/ELK073\_01 intersected magnetic sediments between 6 m and 10 m, DH03/ELK082\_01 intersected magnetic sediments between 10 m and 26 m, and DH03/ELK105\_01 intersected magnetic sediments between 26 m and 38 m. No kimberlitic material was recovered from any of the three drill holes. Drill samples are currently being processed at the Perth Treatment Plant. Full results are expected to be received during the next reporting period.

## 6.0 CONCLUSION

Exploration carried out within the current reporting period consisted of a drilling project to test three priority intrusive-type magnetic anomalies. Three RC holes were drilled within EL22509; depths were 34 m, 120 m and 21 m (totaling 175 m). Alluvial magnetic sediments explained all anomalies, and no kimberlitic material was intersected. Five 50 litre loam samples were taken over two of the priority magnetic anomalies; all samples were negative save one which contained one chromite grain (100 m east of ELK105) thought not of kimberlitic origin. Drill samples are currently being processed in the Perth Treatment Plant.

## 7.0 PROPOSED FORWARD WORK PROGRAMME

A forward work programme will involve vehicle assisted reconnaissance heavy mineral stream and deflation loam sampling. Stream samples will be collected from heavy mineral trap-sites at 3 km intervals along available drainages, and will consist of 100 lt of gravels hand sieved to -2 mm. Deflation loam samples will be taken in poorly drained interfluvial areas. Loam samples will consist of 20 to 50 lt deflation scrapes screened to -2.0mm. Samples will be freighted back to DBAE's Perth primary treatment facility for sizing and concentrating. Acidised concentrates will be forwarded to the De Beers Melbourne Laboratory for secondary concentration and examination.

See Table 5 for proposed expenditures for the third year of tenure.

## 8.0 EXPENDITURE

Expenditure from De Beers Australia Exploration Limited for the second year of tenure of EL22509 totalled \$66,287 (see Table 5 below). Covenants were therefore met for this licence.

Table 5: Expenditure Details

ITEM	2003/4 ACTUAL EXPENDITURE	2004/5 PROPOSED EXPENDITURE
Aboriginal liaison	\$2,080	
Field expenses	\$29,289	\$25,000
Melbourne laboratory	\$2,970	\$10,000
Tenement management	\$500	\$500
Perth treatment	\$462	\$1,000
Transport and travel	\$8,056	\$8,050
Salaries & wages	\$8,223	\$8,220
Geophysical contractors		
Drilling contractors	\$14,707	
Specialist Services		
<b>TOTAL</b>	<b>\$66,287</b>	<b>\$52,770</b>

## 9.0 REFERENCES

Kruse P.D, Mohammed L.C., Dunster J.N. and Duffett M.L., (2002) Sandover River, N.T. 1:250 000 Geological Map Series Explanatory Notes, Second Edition.

Karen Pittard  
Staff Geologist

APPENDIX A: DRILL SAMPLES

DH03/ELK105

Sample	Easting	Northing	Datum & Projection	Longitude	Latitude	Mag250	Anomaly	Depth From	Depth To
BG9165	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	0	2
BG9166	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	2	4
BG9167	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	4	6
BG9168	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	6	8
BG9169	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	8	10
BG9170	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	10	12
BG9171	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	12	14
BG9172	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	14	16
BG9173	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	16	18
BG9174	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	18	20
BG9175	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	20	22
BG9176	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	22	24
BG9177	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	24	26
BG9178	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	26	28
BG9179	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	28	30
BG9180	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	30	32
BG9181	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	32	34
BG9182	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	34	36
BG9183	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	36	38
BG9184	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	38	40
BG9185	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	40	42
BG9186	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	42	44
BG9187	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	44	46
BG9188	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	46	48
BG9189	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	48	50
BG9190	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	50	52
BG9191	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	52	54
BG9192	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	54	56
BG9193	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	56	58
BG9194	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	58	60
BG9195	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	60	62
BG9196	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	0	2
BG9197	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	2	4
BG9198	664800	7625404	GDA94 MGA53	136.5905433	-21.46632705	F5308	ELK105	4	6
BG9199	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	68	70
BG9200	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	70	72
BG9201	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	72	74
BG9202	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	74	76
BG9203	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	76	78
BG9204	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	78	80
BG9205	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	80	82
BG9206	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	82	84
BG9207	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	84	86
BG9208	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	86	88
BG9209	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	88	90
BG9210	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	90	92
BG9211	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	92	94
BG9212	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	94	96
BG9213	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	96	98
BG9214	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	98	100
BG9215	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	100	102
BG9216	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	102	104
BG9217	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	104	106
BG9218	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	106	108
BG9219	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	108	110
BG9220	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	110	112
BG9221	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	112	114
BG9222	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	114	116
BG9223	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	116	118
BG9224	664800	7625404	GDA94 MGA53	136.5905433	-21.466327	F5308	ELK105	118	120

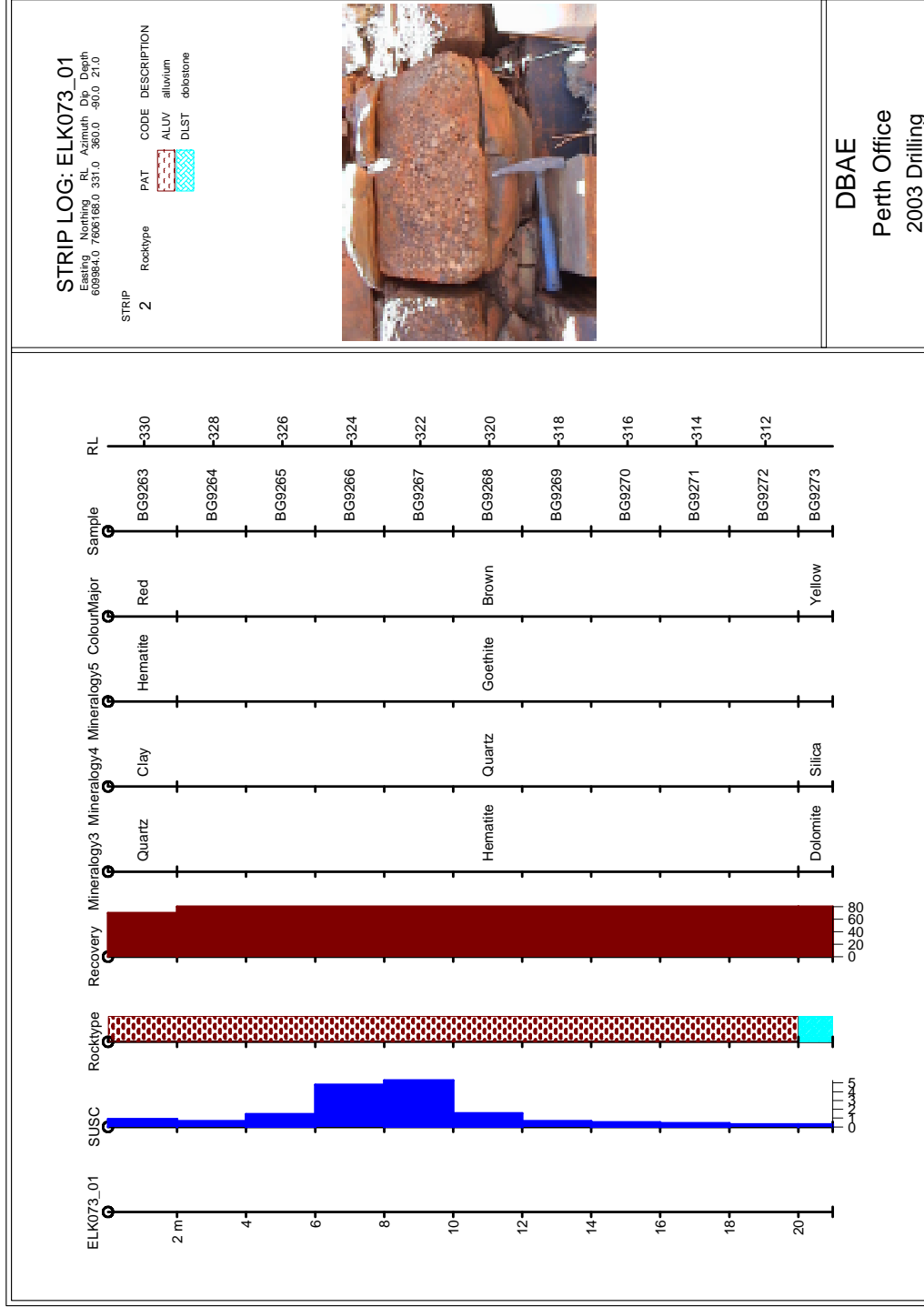
DH03/ELK082

Sample	Easting	Northing	Datum & Projection	Longitude	Latitude	Mag250	Anomdy	Depth From	Depth To
BG9245	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	0	2
BG9246	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	2	4
BG9247	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	4	6
BG9248	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	6	8
BG9249	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	8	10
BG9250	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	10	12
BG9251	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	12	14
BG9252	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	14	16
BG9253	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	16	18
BG9254	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	18	20
BG9255	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	20	22
BG9256	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	22	24
BG9257	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	24	26
BG9258	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	26	28
BG9259	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	28	30
BG9260	627180	7616586	GDA94 MGA53	136.2282009	-21.54903912	F5307	ELK082	30	32
BG9261	627180	7616586	GDA94 MGA53	136.2282009	-21.5490391	F5307	ELK082	32	34
BG9262	627180	7616586	GDA94 MGA53	136.2282009	-21.5490391	F5307	ELK082	34	34.2

DH03/ELK073

Sample	Easting	Northing	Datum & Projection	Longitude	Latitude	Mag250	Anomdy	Depth From	Depth To
BG9263	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	0	2
BG9264	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	2	4
BG9265	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	4	6
BG9266	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	6	8
BG9267	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	8	10
BG9268	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	10	12
BG9269	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	12	14
BG9270	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	14	16
BG9271	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	16	18
BG9272	609984	7606168	GDA94 MGA53	136.0628463	-21.64429011	F5307	ELK073	18	20
BG9273	609984	7606168	GDA94 MGA53	136.0628463	-21.6442901	F5307	ELK073	19	21

Figure 1: Drill log for DH03/ELK073



DBAE  
 Perth Office  
 2003 Drilling

Figure 2: Drill log for DH03/ELK082

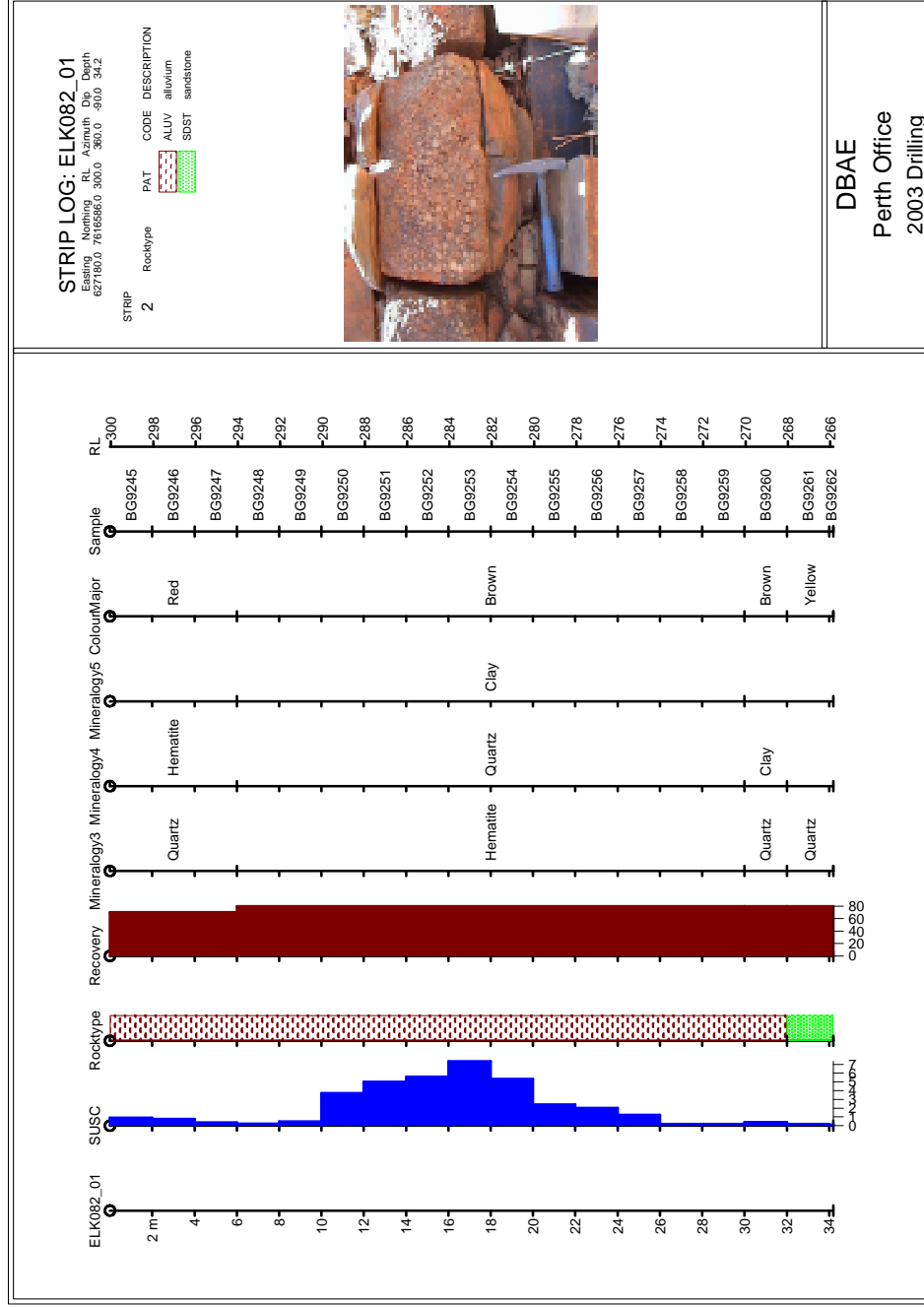
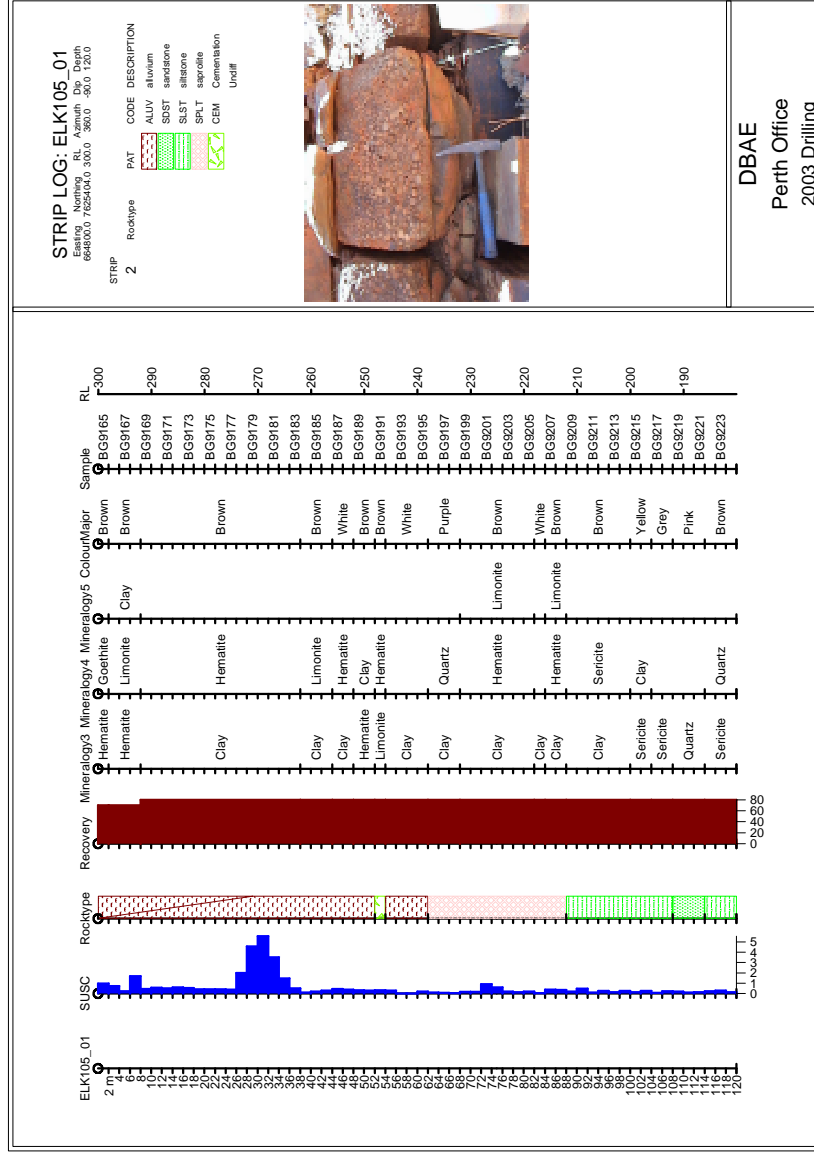
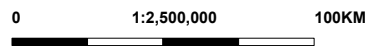
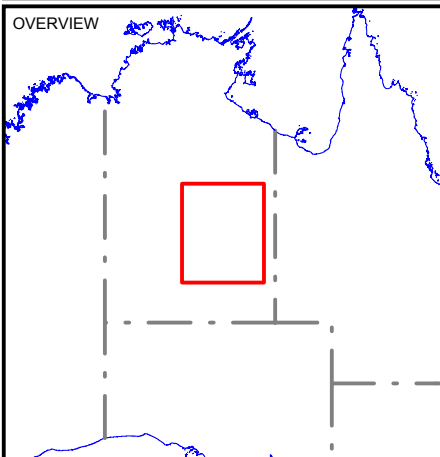
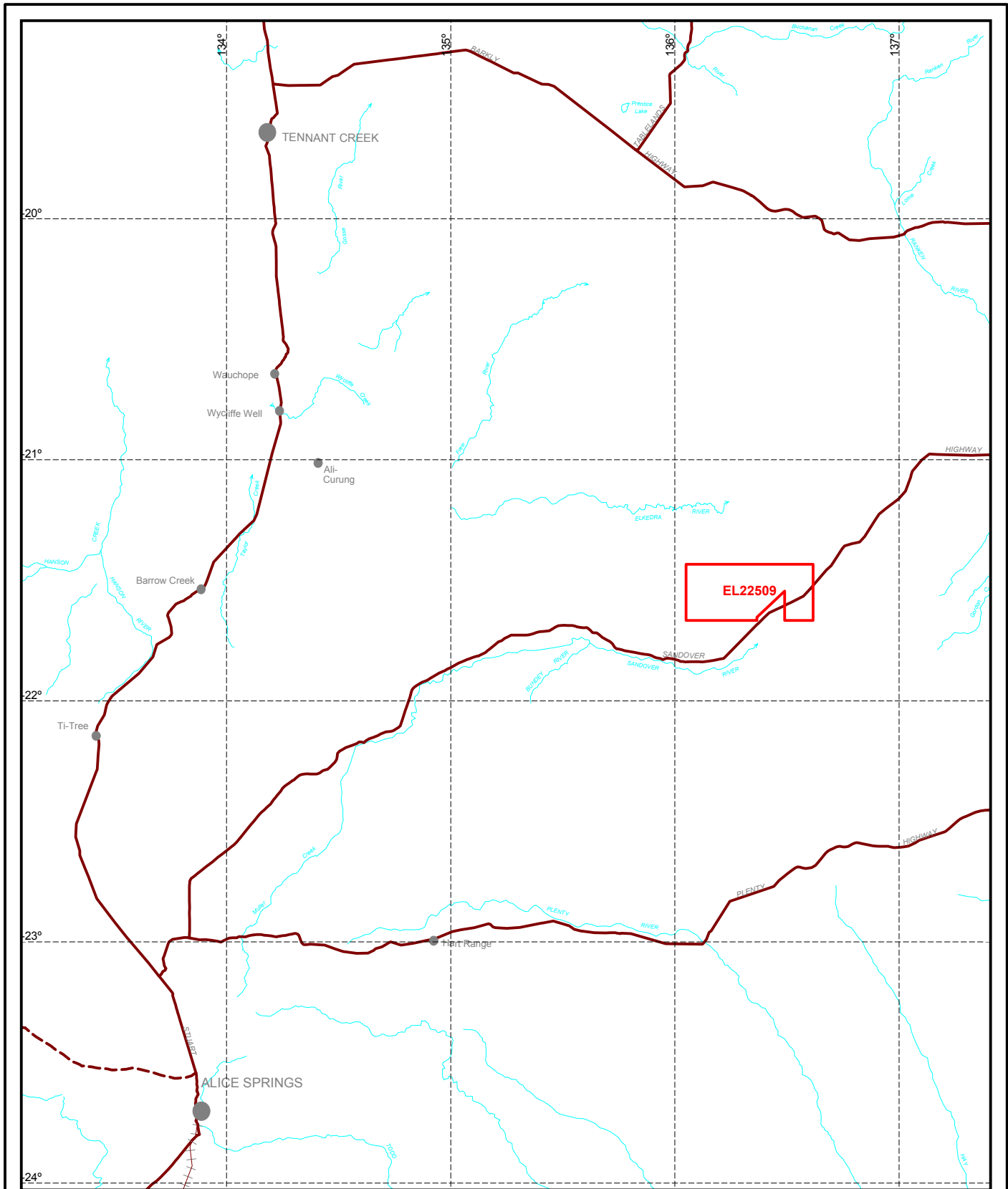


Figure 3: Drill log for DH03/ELK105



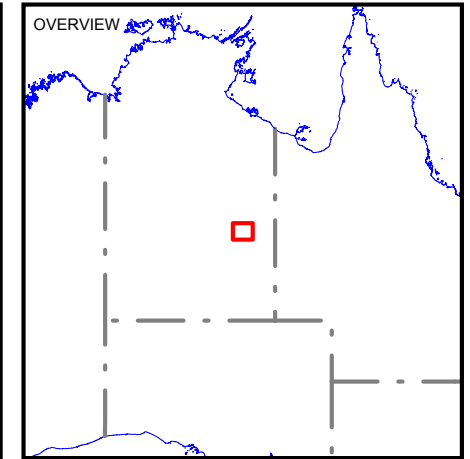
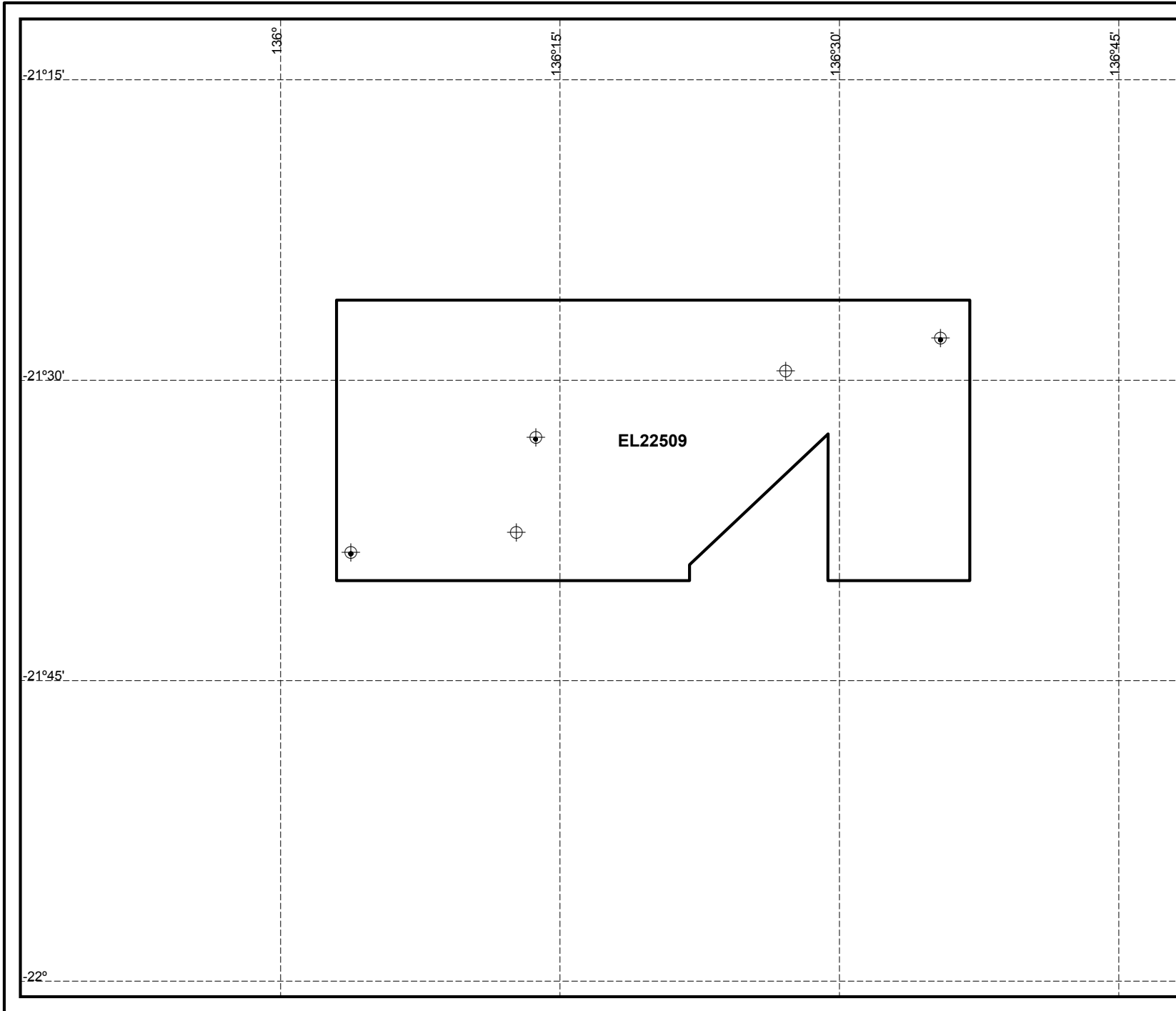




DE BEERS AUSTRALIA EXPLORATION LIMITED  
A.C.N. 004912172

**ANNUAL REPORT**  
**EL22509**  
**LOCATION MAP**

Date: 02/04/2004	Author: GGM	Map No: 1
...\\ntmda\2004\aljawarra\el22509\LOC.WOR		



Area of Airborne Magnetic Survey



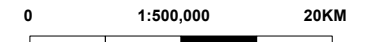
Heavy Mineral Sample



Magnetic Anomaly (Airborne Magnetics)



Magnetic Anomaly (Detailed Airmag Followup)

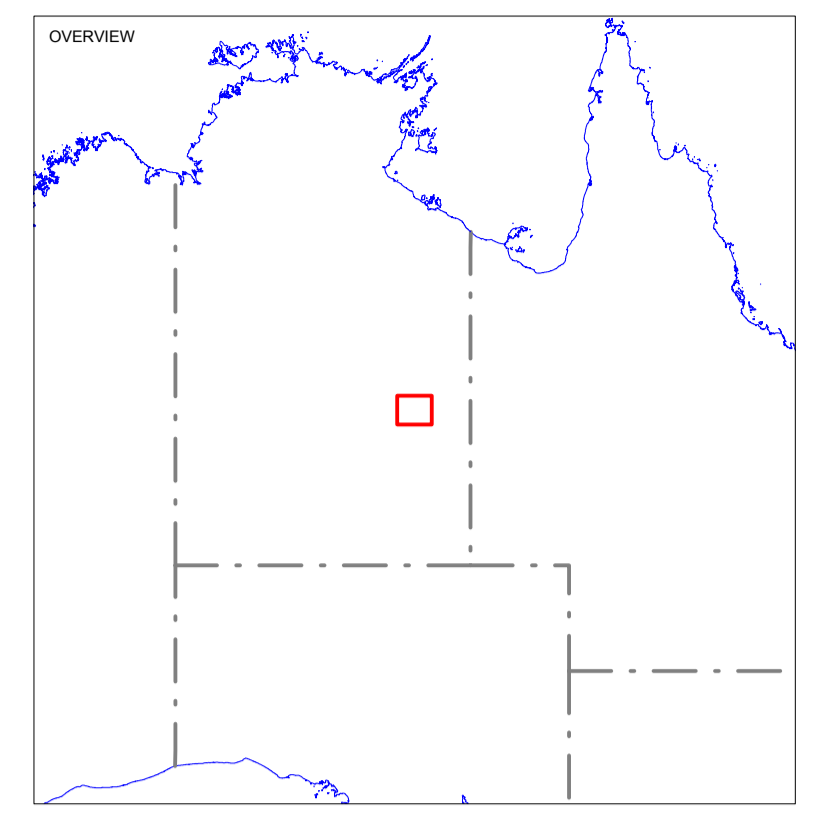
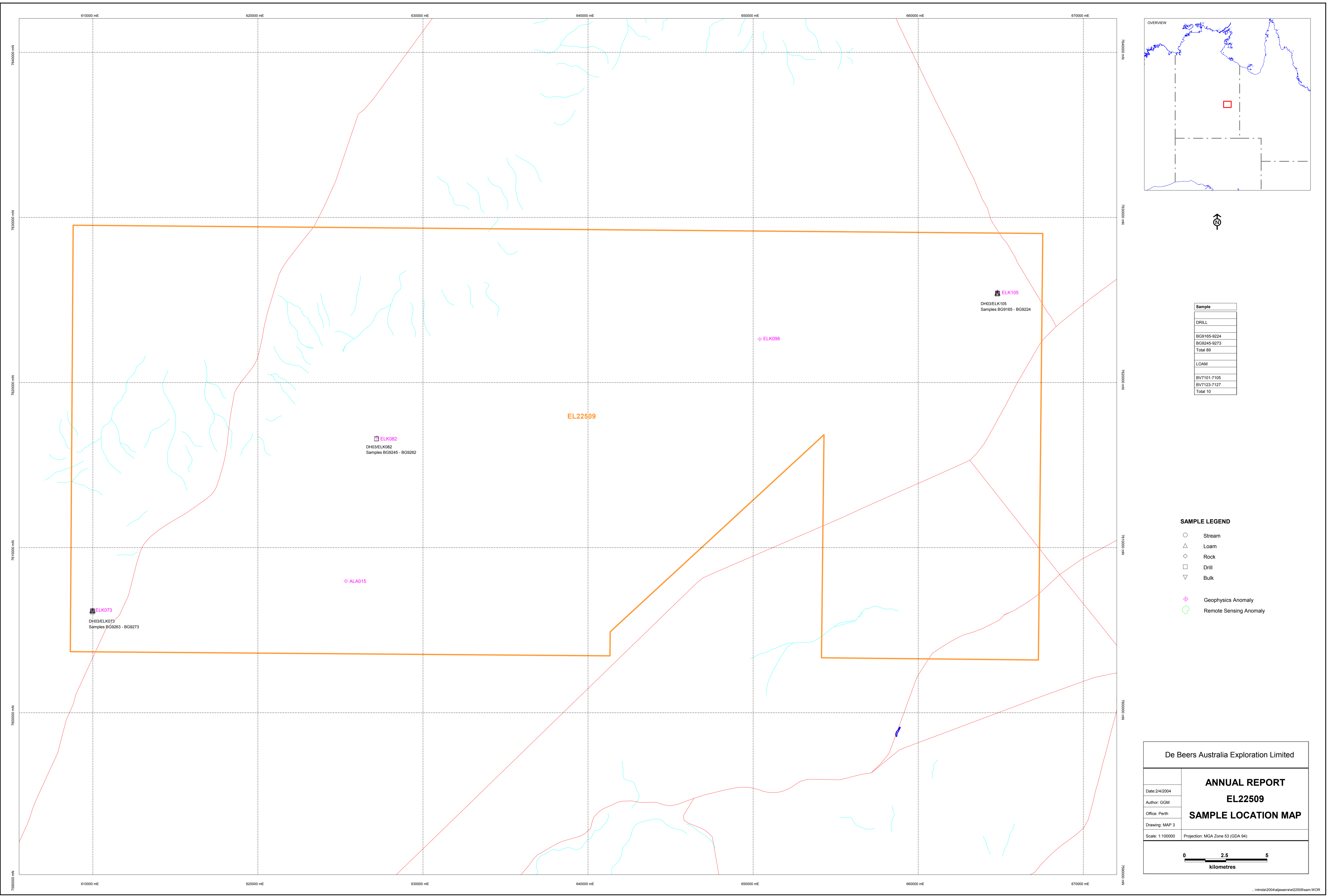


DE BEERS AUSTRALIA EXPLORATION LIMITED  
A.C.N. 004912172

**ANNUAL REPORT**  
**EL22509**  
**EXPLORATION INDEX MAP**

Date: 02/04/2004 Author: GGM MAP 2

...Intmda\2004\aljawarra\el22509\index.WOR



Sample
DRILL
BG9165-9224
BG9245-9273
Total 89
LOAM
BV7101-7105
BV7123-7127
Total 10

**SAMPLE LEGEND**

- Stream
- △ Loam
- ◇ Rock
- Drill
- ▽ Bulk
- ⊕ Geophysics Anomaly
- ⊗ Remote Sensing Anomaly

De Beers Australia Exploration Limited	
Date: 2/4/2004	<b>ANNUAL REPORT</b> <b>EL22509</b> <b>SAMPLE LOCATION MAP</b>
Author: GGM	
Office: Perth	
Drawing: MAP 3	
Scale: 1:100000	Projection: MGA Zone 53 (GDA 94)