

A B E R F O Y L E

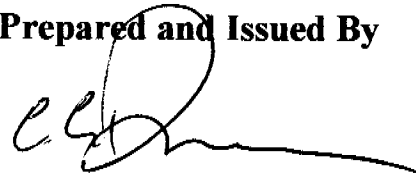
**EXPLORATION LICENCE 8913 "MOUNT DOREEN EAST"
(Mount Theo 1:250,000 Sheet)**

**ANNUAL REPORT ON EXPLORATION
FOR THE YEAR ENDED
31st October 1995**

Distribution:

NTDME (1)
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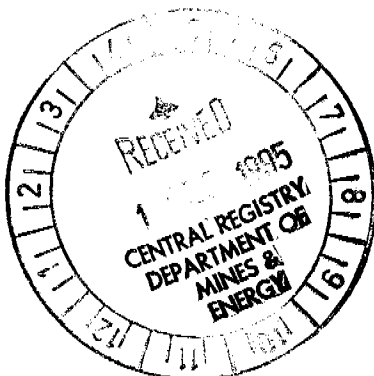
Prepared and Issued By



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Senior Geologist**

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CRAS/865



**November 1995
ARL Report No. Mt Doreen East 1**

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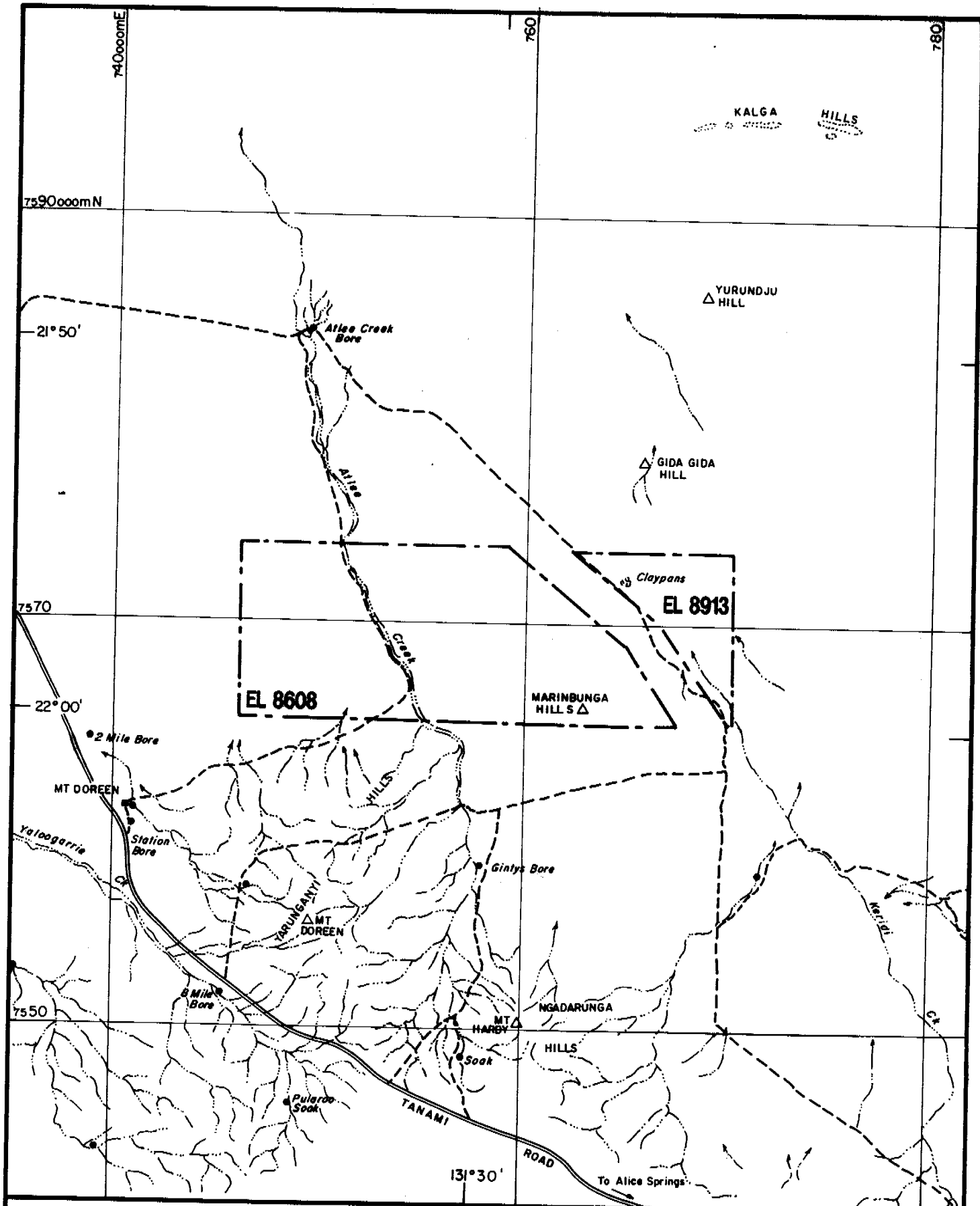
Figure No.	Description	Plate No.	Scale
Figure 1	EL's 8608 & 8913 Mt Doreen Locality Plan	DOR-9	1:250,000
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1. INTRODUCTION

EL 8913 "Mount Doreen East" is located approximately 50 kilometres to the northwest of the township of Yuendumu on the Mount Theo 1:250,000 mapping sheet (Figure 1). The licence occurs on the Mount Doreen Station Pastoral Lease and is bounded by Aboriginal Lands to the north and east.

Aberfoyle Resources, through a Joint Venture with the licence title holder Adelaide Resources NL, is exploring the gold potential of EL 8913. Mineralisation of the type developed to the northwest in the Granites/Tanami inlier is seen as having the potential to occur on EL 8913. Existing deposits within the Granites/Tanami are often intimately associated with magnetic anomalies and as such our exploration is directed towards the testing of magnetic features, several of which occur within EL 8913.

Work in the first year of tenure has included imaging of regional aeromagnetic datasets and the application for an AAPA Authority Certificate detailing the location of sites of Aboriginal significance. Following the advice of the AAPA, RAB drilling planned for completion before 31st October 1995 has been postponed pending the accurate locating of a previously recorded Aboriginal sacred site.



Aberfoyle Resources Limited
EXPLORATION DIVISION

FIGURE 1

REVISIONS			
Init.	Date	Init.	Date

**NORTHERN TERRITORY
N.T. GOLD PROGRAMME
ELs 8608 and 8913 'MT DOREEN'
LOCATION PLAN**

Compiled :	CGD
Drawn :	
Traced :	NB
Checked :	
Plate No. :	DOR 9

Location Code :

Scale : 1:250,000

Date : NOVEMBER 1995

2. TENURE

EL 8913 "Mount Doreen East" (32 square kilometres) was granted on 1st November 1994 to Mr K R Yates for a period of six years. Upon granting title was transferred to Adelaide Resources NL of which Mr Yates is a director and Executive Chairman. An annual exploration expenditure covenant of \$7,000 applied to EL 8913 for the first year of tenure.

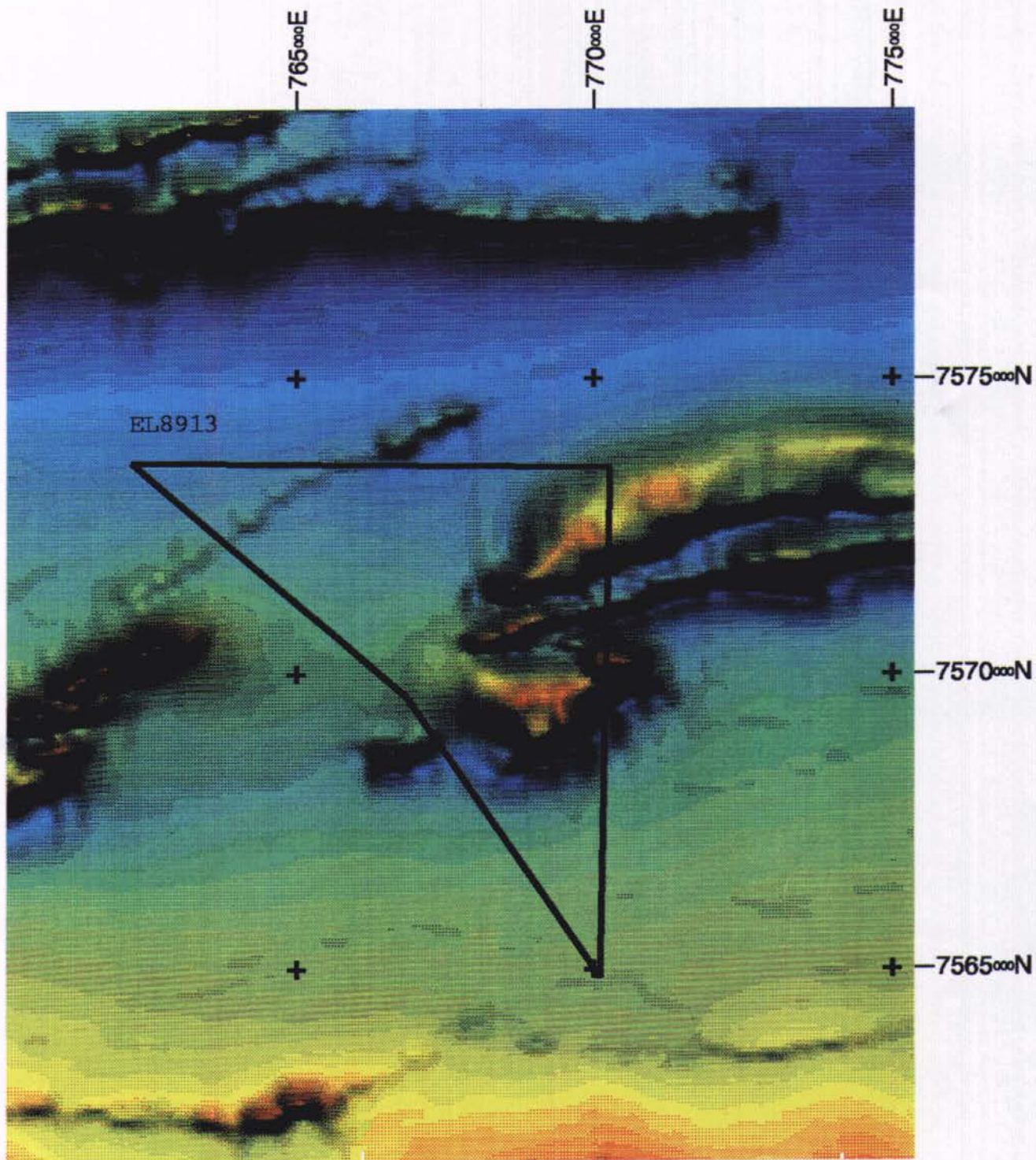
Aberfoyle Resources Limited have entered into a Joint Venture with Adelaide Resources NL, with Aberfoyle to manage exploration of EL 8913.

3. WORK COMPLETED

3.1 Regional Airborne Magnetics Imaging

Airborne magnetics data covering the area of EL 8913 flown by AGSO in 1993 have been acquired and imaged using ER Mapper software. Figure 2 is an image of Total Magnetic Intensity of the licence and its environs.

Three magnetic features (to ~90 nTesla) occur in the eastern part of the licence, and a subtle (~20 nTesla) anomaly can be seen transecting the northwestern corner of the EL. Study of the 1:250,000 geology map shows very limited exposure of pre-Tertiary lithologies within EL 8913, with only minor outcrops of Lander Rock Beds occurring in the southern corner of the licence (Figure 3). No outcrop of likely source rocks to the three eastern magnetic



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EXPLORATION DIVISION

FIGURE

2

REVISIONS			
Init.	Date	Init.	Date

NT GOLD PROJECT
 Adelaide Resources Joint Venture
EL8913 Mt Doreen East
IMAGED AREOMAGNETICS - TMI
 Algorithm: Mt_Dor_East_TMI_100k

Compiled: cgd
 Printed: JX-730
 Traced:
 Checked: cgd

Map Projection: TMAMG
Geodetic Datum: AGD66

Location Code: SF52-8

Scale: 1:100000

Date: 20th Nov 1995

Plate No. **DOR-8**

features occurs on the EL however these are possibly either iron-rich sediments or mafic volcanics or intrusives of Early Proterozoic age. These are considered to be potential host rocks to gold mineralisation and are targetted for RAB geochemical exploration.

The low-order feature which transects the north-eastern corner of the EL is interpreted to be a weakly magnetic dyke emplaced into a dilational structure formed during regional east-west sinistral wrenching. It is believed to be of low gold prospectivity.

3.2 AAPA Site Survey

In September 1995 Yates applied to the Aboriginal Areas Protection Authority for an Authority Certificate covering the area of EL 8913. The survey was completed and a draft map showing areas to be avoided issued by the AAPA (Appendix 1).

One site located in the southern corner of the EL does not impact on planned exploration. A second (previously recorded) site thought to be located in the central part of the EL, however, occurs in the vicinity of the three eastern magnetic anomalies targetted for RAB geochemistry. Following a meeting with Ms Naomi Howells (AAPA Officer) we were advised to postpone all work within a 2.5km radius of the recorded location of the site pending determination of the sites accurate position by further field checking. We were further informed that following the sites accurate location, only a relatively

small area would be of significance to Aboriginal peoples, allowing exploration programmes to be conducted over the majority of the area covering the magnetic features. The AAPA will issue an Authority Certificate after the accurate location of this site has been resolved.

While not regarded as a sacred site, the AAPA suggest a group of clay-pans located in the central western part of the licence may be of some significance to Aboriginal peoples and should be avoided if practicable.

4. EXPENDITURE

Excluding the costs associated with the AAPA Sacred Site clearance Aberfoyle Resources expended a total of \$6,162.82 on the exploration of EL 8913 during the first year of tenure. Due to the postponement of the RAB programme this was below the expenditure covenant of \$7,000 originally set. As such a Variation of Covenant application has been lodged with the NTDME.

The figure of \$4,030.00 expended on RAB drilling was incurred in preparation of the RAB programme prior to its postponement due to the central sacred site on EL 8913.

A breakdown of Aberfoyle's expenditure is shown on the page 6.

5. PROPOSED PROGRAMME AND BUDGET

The following programmes of exploration (with estimated minimum costs) will be conducted on EL 8913 in the second year of tenure following notification of the accurate location of the central sacred site by the AAPA.

- | | | |
|----|---|----------|
| 1. | Rehabilitation of existing station tracks and clearing of approximately 10km of new tracks to provide drill rig access to the three eastern magnetic features | \$ 1,500 |
| 2. | RAB drill testing of these magnetic features on three north-south traverses, and assaying of RAB samples for gold plus base metals | \$15,000 |
| 3. | Collection and interpretation of ground magnetic data along the three RAB traverses | \$ 1,000 |
| | Total | \$17,500 |

ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

EXPLORATION LICENCE 8913 "MT DOREEN EAST"

**SUMMARY OF EXPENDITURE
FOR THE YEAR
ended 31st October 1995**

GEOLOGY	\$ 891.00
GEOPHYSICS	70.00
RAB DRILLING	4,029.28
TENURE	150.00
OTHER SERVICES	60.00
ADMINISTRATION	962.54
<i>SUB TOTAL</i>	<i>\$6,162.82</i>
ABORIGINAL LIAISON	\$2,500.00
TOTAL	\$8,662.82

APPENDIX 1

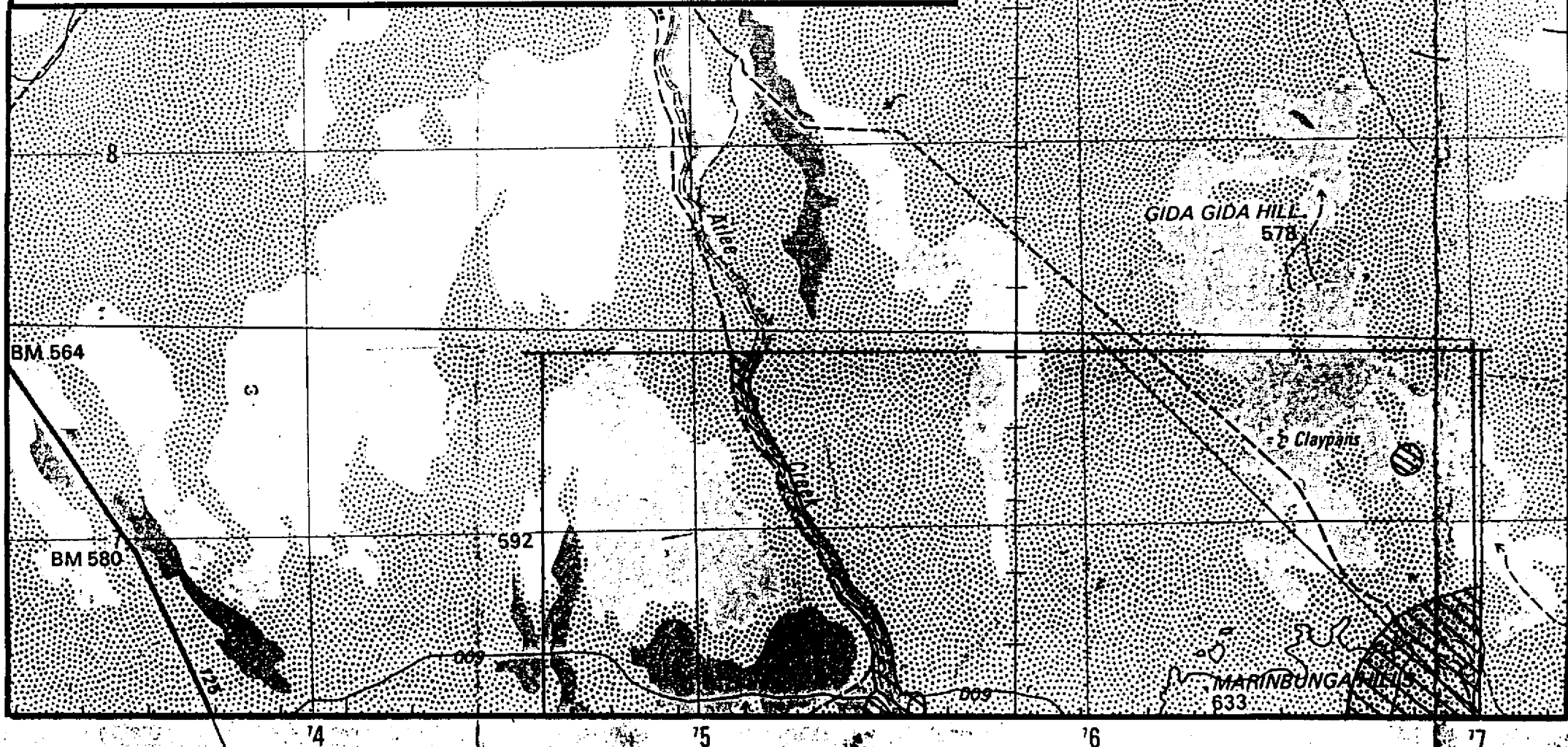
EL's 8608 and 8913

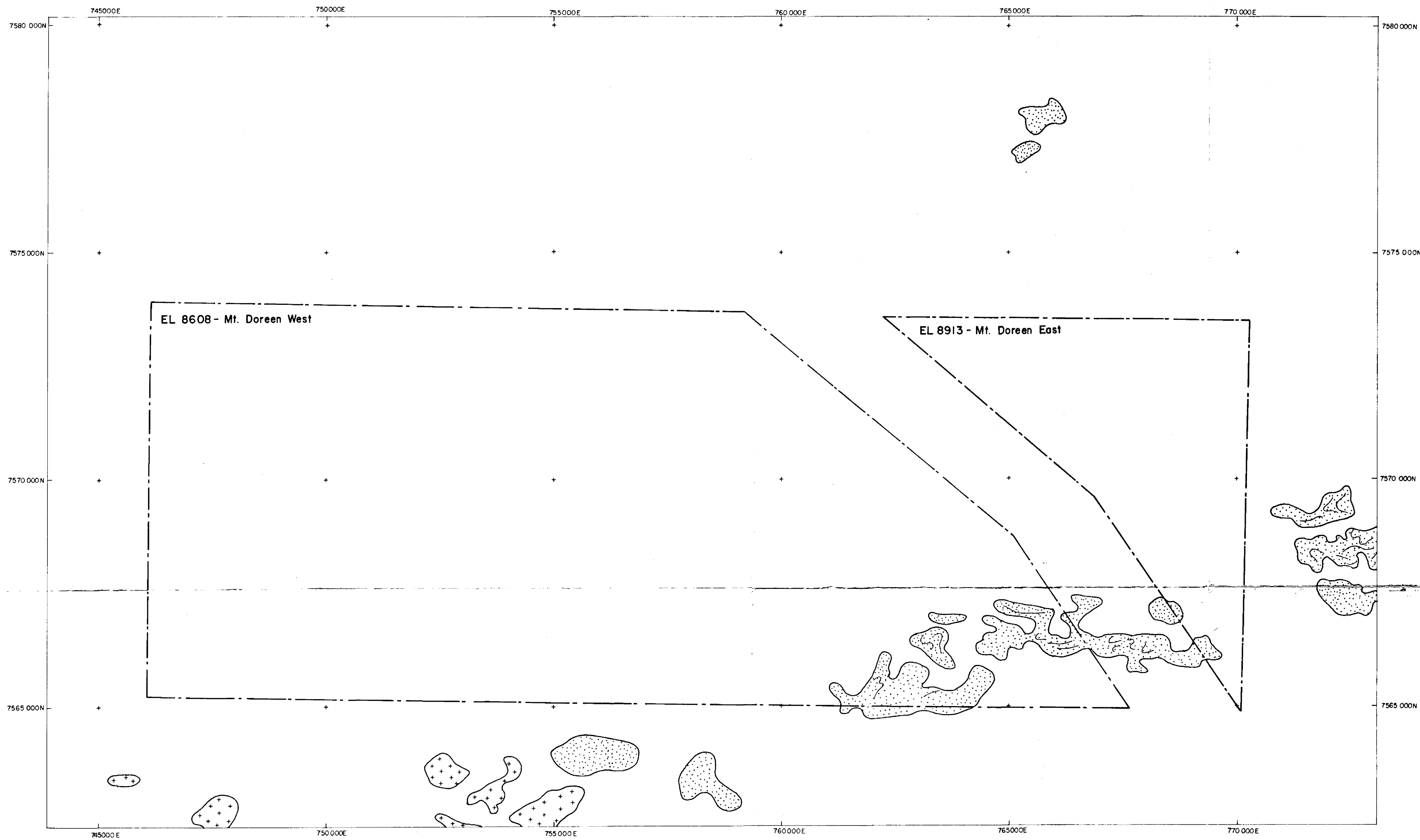
**AUTHORITY CERTIFICATE AVOIDANCE AREAS
DRAFT MAP**

DRAFT MAP

EL 8608 & EL 8913, MOUNT DOREEN STATION
AUTHORITY CERTIFICATE AVOIDANCE AREAS
FOR ADELAIDE RESOURCES

ABORIGINAL AREAS PROTECTION AUTHORITY
13 OCTOBER 1995





SCALE 1:50,000



COMPILED FROM MOUNT DOREEN (SF 52-12) AND MOUNT THEO (SF 52-B) 1:250,000 GEOLOGICAL SERIES MAPS

LEGEND

- Granite
- Lander Rock Beds - two mica schists with minor andalusite, oligoclase and cordierite hornfels (trend lines shown where mapped)

N.B. ALL QUATERNARY OMITTED

Aberfoyle Resources Limited				FIGURE 3
EXPLORATION DIVISION				
NORTHERN TERRITORY				Compiled: CGD
ADELAIDE RESOURCES J.V.				Drawn: CGD
EL 8608 and EL 8913 - MT DOREEN				Traced: NB
SIMPLIFIED GEOLOGY				Checked:
Location Code:	Scale: 1:50,000	Date: 6/10/95	Plate No: DOR 2	

CR 1995-0865