

**GIANTS REEF MINING N.L.**

A.C.N 058 436 794

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TENNANT CREEK NT 0860

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10 December 1994

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Department of Mines & Energy  
Northern Territory Geological Survey  
Centrepoint Towers Building  
The Mall  
DARWIN NT 0801

Attention: Maria Duchateau  
*Titles Geologist*

Dear Ms Duchateau

RE: **EL 7737 RELINQUISHMENT REPORT**

I refer to your letter dated 7 December 1994 concerning the area of continuing tenure within the blocks relinquished in EL 7737 and related reporting requirements.

Giants Reef Mining N.L. hereby gives the Department of Mines & Energy permission to open file the report submitted covering the blocks relinquished in EL 7737 in the knowledge that continuing tenure in the form of mineral claim applications C1327 - C1331 is contained in the area relinquished.

Yours faithfully

Vera Urich  
ADMINISTRATOR

Ranga,

Please action - this is,  
the most recent report.

SCANNED

27 JAN 1995

DME LIBRARY



651 14

**EXPLORATION LICENCE 7737**  
**GEOPEKO**

**SECOND YEAR RELINQUISHMENT REPORT**

**23 JUNE 1991 - 22 JUNE 1994**

**LICENSEE:**

**GIANTS REEF MINING N.L.**  
A.C.N. 058 436 794

TENNANT CREEK 1:250 000  
SE53-14  
SHORT RANGE 1:100 000  
5658

P. G. SIMPSON  
DARWIN, N.T.  
OCTOBER, 1994

## SUMMARY

Exploration Licence 7737, Geopeko, is located approximately 20 kilometres east from Tennant Creek. Two graticular blocks were relinquished from the Licence area on 22nd June 1994, at the end of the second year of tenure.

Work carried out over the area relinquished consisted of a detailed airborne magnetic and radiometric survey. Certain aeromagnetic features in the relinquished blocks are of interest for possible gold/copper mineralisation. For this reason parts of these blocks were applied for under Mineral Claims C1327 to C1331, prior to the relinquishment date.

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## 1. INTRODUCTION

This report records the exploration work for gold and copper carried out on the 2 graticular blocks of Exploration Licence 7737, blocks 36/50 and 36/51, that were relinquished at the end of the second year of tenure, on 22nd June 1994.

Exploration Licence 7737, Geopeko, is held by Giants Reef Mining N.L. The Licence area, originally of 5 blocks totalling approximately 16 square kilometres, was purchased by Giants Reef from Peko Wallsend Operations Ltd in July, 1993. It was reduced to 3 blocks at the end of the second year (see Figure 1).

EL 7737 is located approximately 20 kilometres east from Tennant Creek, within Pastoral Lease 897, Tennant Creek Station.

Geologically the area lies near the intersection of the Quartz Hill Fault system and the Mary Lane Shear. Outcrop is very limited, but the basement is interpreted as belonging to the Carraman Formation, part of the Early Proterozoic Warramunga Group.

## 2. WORK DONE

An airborne magnetic and radiometric survey was flown over all of EL 7737 in April 1994.

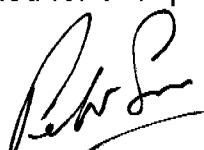
The survey was flown by Austirex International Limited, using a Cessna U206G aircraft. Flight lines were north-south, at a line spacing of 80 metres, and with a mean terrain clearance of 60 metres. Tie lines were flown east-west, at 800 metre spacings.

Navigation was by differential GPS satellite positioning. The instruments used were a Scintrex model VIW2321-H8 cesium magnetometer and a Picodas PGRM-1000 spectrometer.

Figure 2 shows the residual magnetic intensity recorded over the relinquished area of EL 7737.

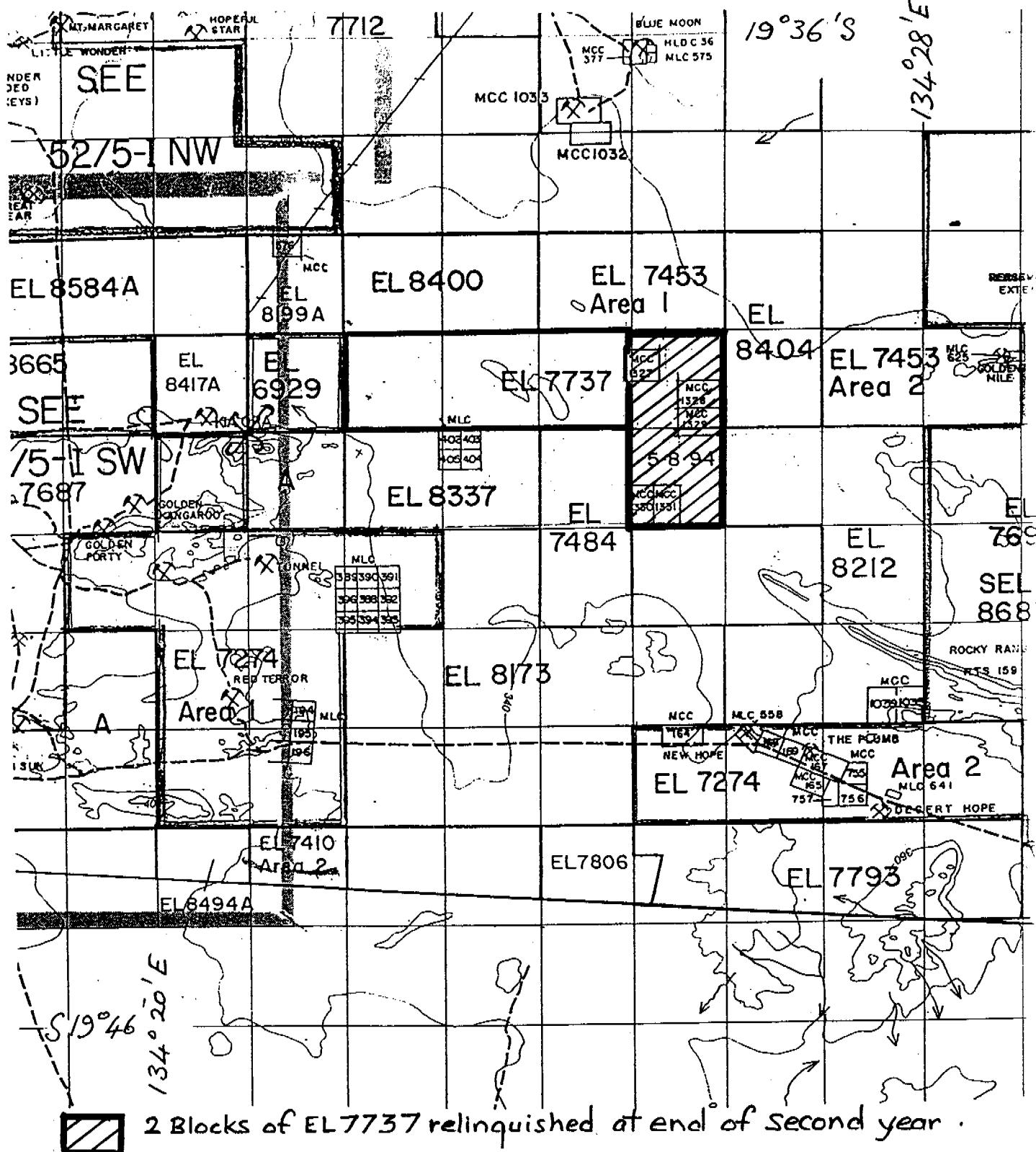
## 3. CONCLUSIONS

A number of localised magnetic features seen in the airborne survey are regarded as worthy of further exploration. For this reason, five Mineral Claims, C1327 to C1331, were applied for over parts of the two relinquished blocks prior to the relinquishment date.



P. G. SIMPSON  
EXPLORATION MANAGER

# GIANTS REEF MINING N.L.



From NTDME tenement map 52/5 Tennant Creek July 1994

Scale 1:100 000

EL7737 AND SURROUNDING TENEMENTS

Figure 1

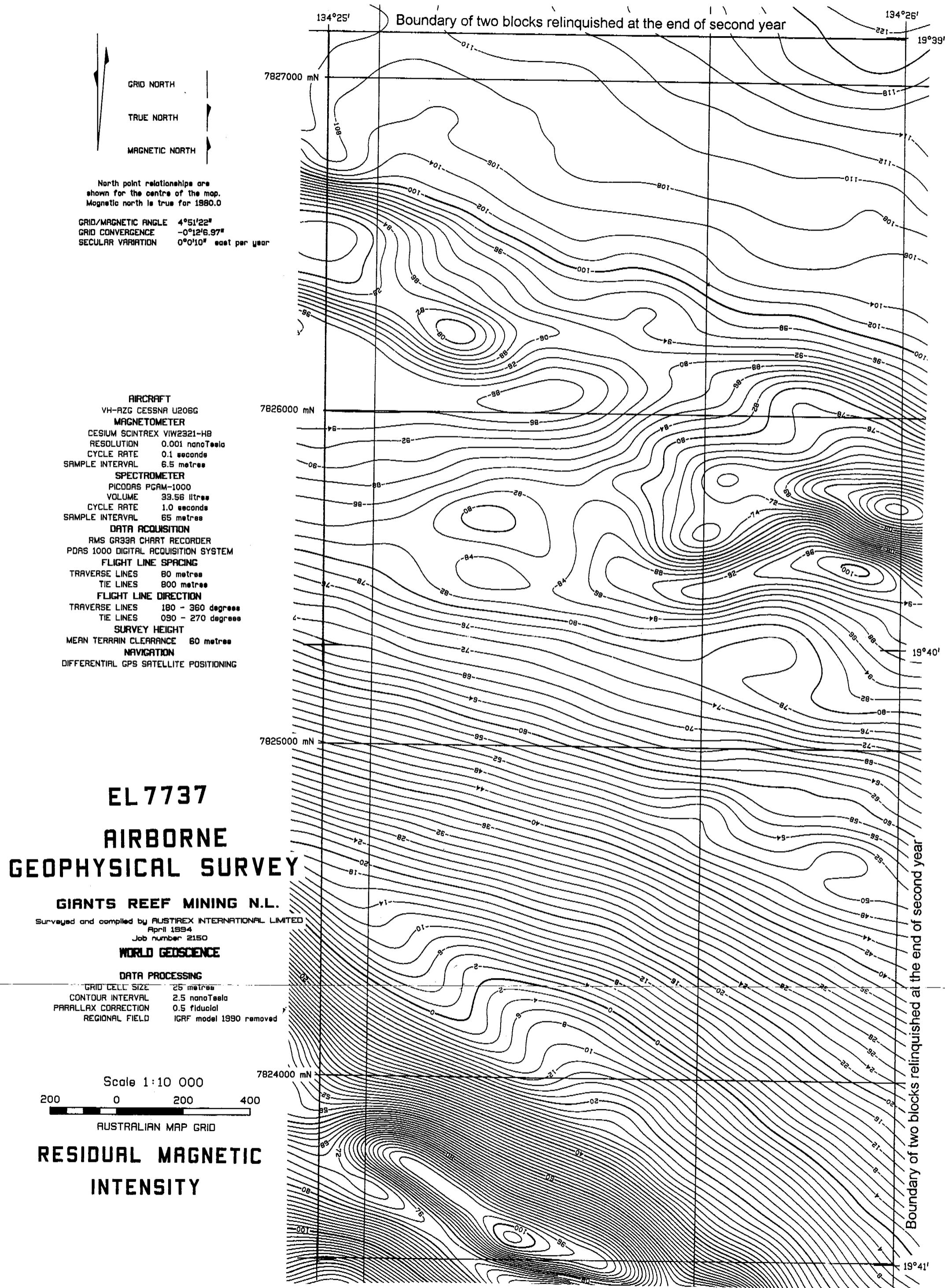


Figure 2