



**GEOPEKO**  
A DIVISION OF PEKO-WALLSEND OPERATIONS LTD.

NORTHERN TERRITORY  
GEOLOGICAL SURVEY

EXPLORATION LICENCE 3257

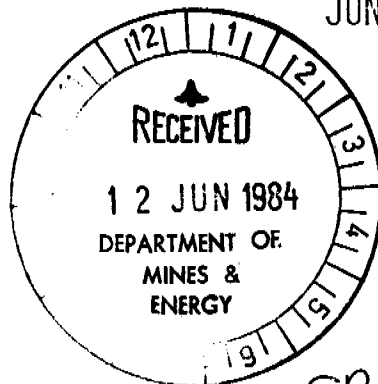
ANNUAL REPORT

3RD MARCH 1983 - 2ND MARCH 1984

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ORGANISATION: GEOPERO

PROSPECT: MOLYBIL JOINT VENTURE - EXPLORATION

TITLE: ANNUAL REPORT ON EL 3257

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SUBJECTS: EXPN/REP

COMMODITIES: W, Mo

LOCALITY: JINKA

MAP REF NO: SF 53-11

MAP REF NAME: HUCKITTA

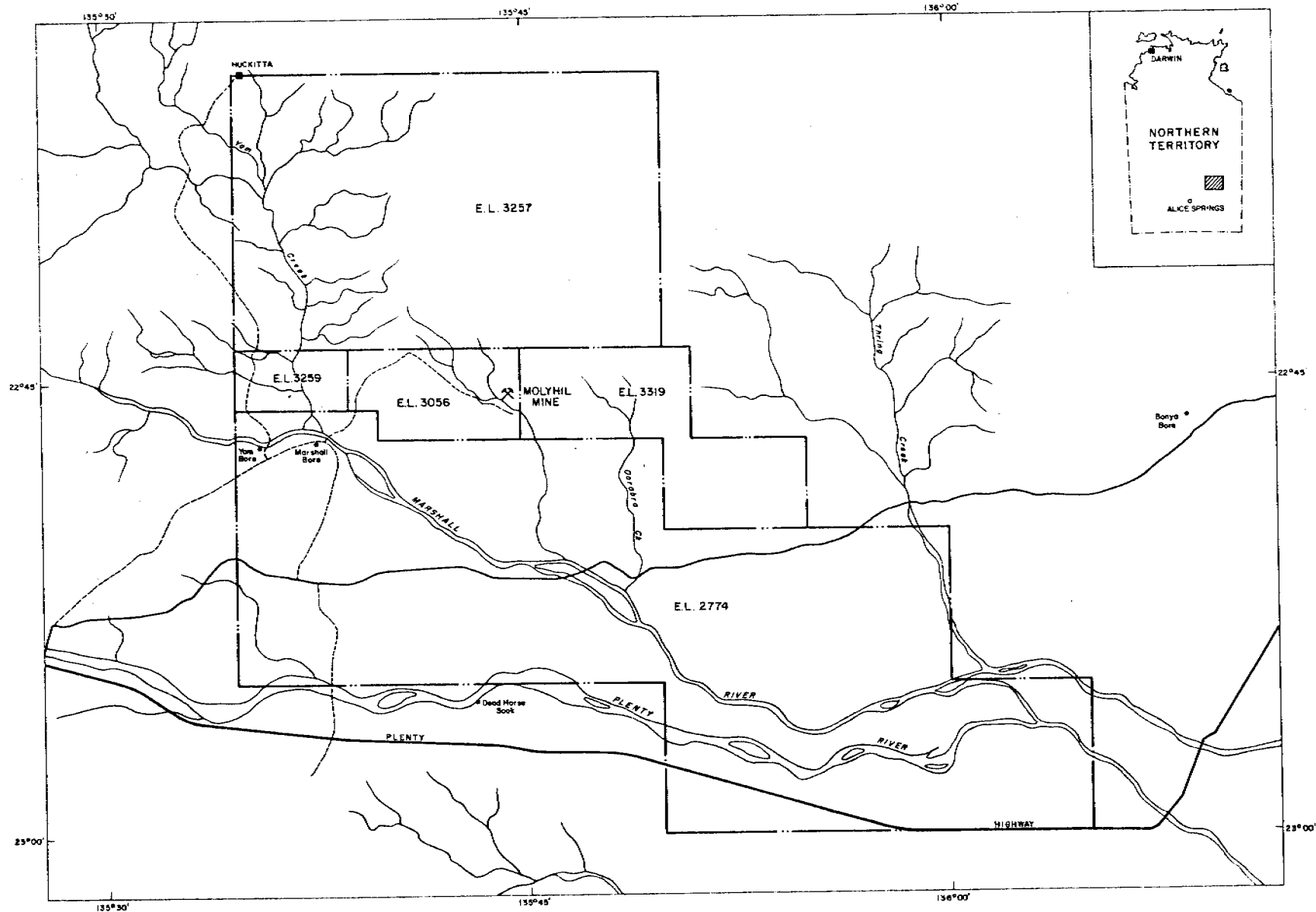
ABSTRACT: (200 words or less)

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- EL 3257 Locality Diagram  
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0 5 10 km  
SCALE

FIG. No. 1

**PROJECT**

MOLYHIL

**AREA**

HUCKITTA 1:250 000

**DATA**

EXPLORATION LICENCES  
3257, 3259, 3056, 3319 and 2774  
LOCATION DIAGRAM

SCALE

COMPILED

DATE

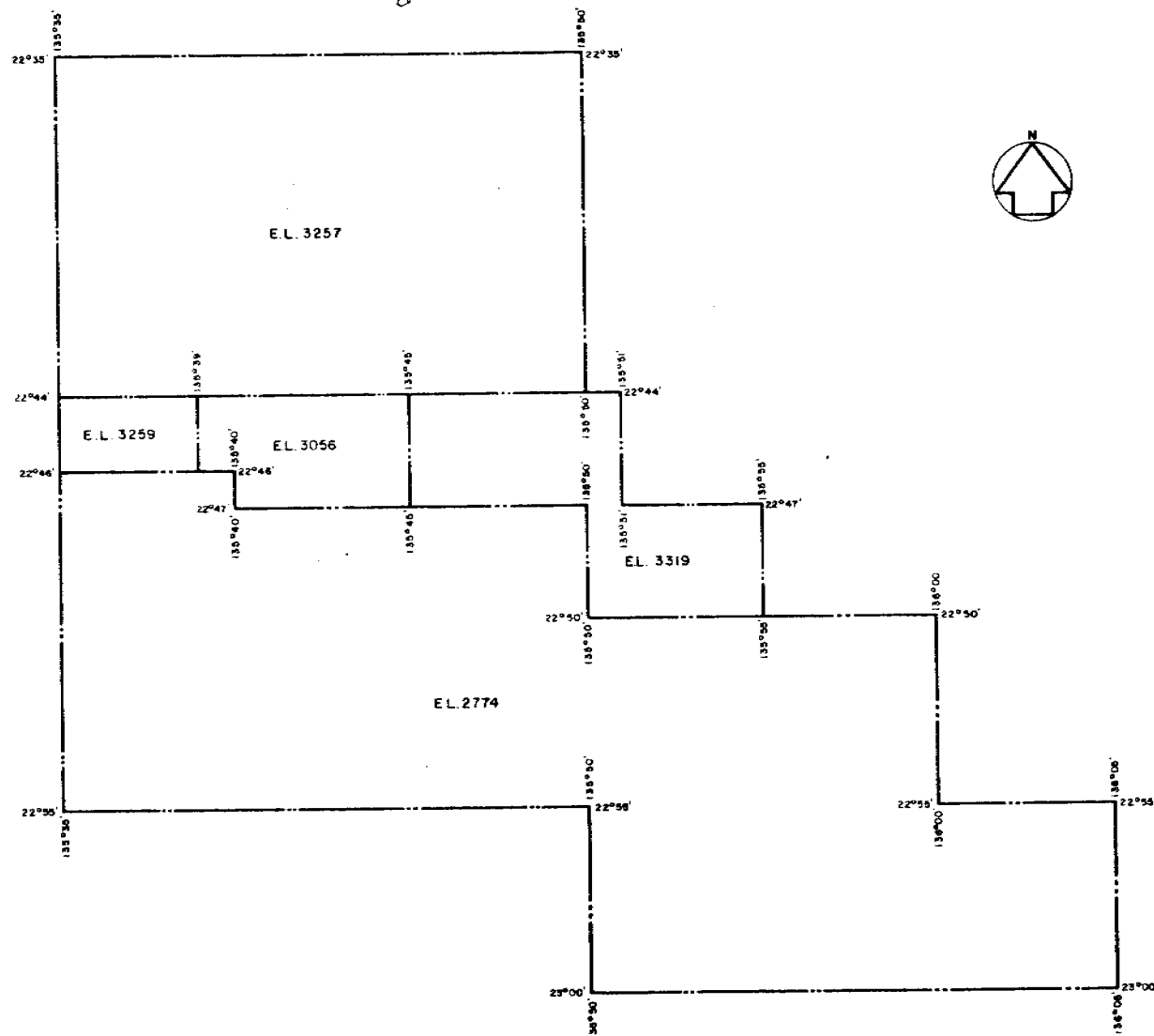
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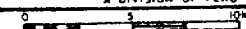


FIG. No. 2

**PROJECT**

MOLYHR

**AREA**

HUCKITTA 1:250 000

**DATA**

EXPLORATION LICENCES  
3257, 3259, 3056, 3319 and 2774

SCALE  
1:250 000

COMPILED  
E.D.T.

DATE  
APR, 1983

DRAWN  
E.E.

### 1. INTRODUCTION

Exploration Licence 3257 was granted to Nicron Resources Ltd and Petrocarb Exploration N.L. on the 3rd March 1982, and is subject to a Joint Venture agreement between Peko-Wallsend Operations Ltd. and Petrocarb Exploration N.L. Geopeko have been operators and managers of the Joint Venture.

The Licence area is located on the Mt. Riddock and Jinka stations, approximately 235 kilometres east-north-east of Alice Springs.

### 2. EXPLORATION PHILOSOPHY

Exploration has been focused on the search for Molyhil-type scheelite-molybdenite bearing skarn mineralization. The primary exploration tool being used is aeromagnetism because of the close association of mineralization with magnetite bearing skarn.

### 3. WORK UNDERTAKEN

A complete review of the previously compiled aeromagnetic data has been carried out in an attempt to determine whether the original interpretation missed any significant anomalies or whether minor anomalies were of interest.

No magnetic features requiring field follow up were recognized however the geological attraction of the Delny-Sainthill Fault zone remains and could host further mineralization of a deep seated source.

4. CONCLUSIONS

No magnetic targets were defined that required further exploration but the geology of the area remains of interest for deep seated deposits.

5. EXPENDITURE

Exploration Licence 3257 forms part of the tenure of the Molyhil Exploration Joint Venture and has been included within a regional exploration program. Expenditure on the tenement is calculated as a proportion of the total Joint Venture exploration expenditure.

Using this formula the expenditure on the licence is calculated to have been approx. \$14,724.00 for the period under review.