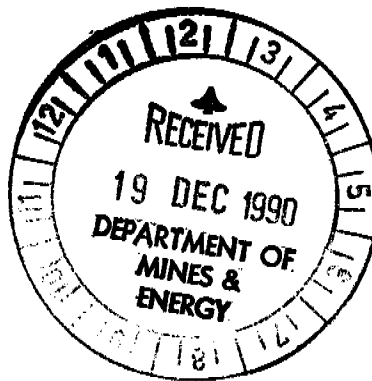


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FINAL REPORT  
EXPLORATION LICENCE 6078



CR91/011

NORTHERN TERRITORY GOLD MINING N L

DECEMBER 1990

## C O N T E N T S

1. Introduction
2. Tenure
3. Geology
4. Work Carried Out
5. Expenditure

## FIGURES

1. Location Diagram
2. Local Geology and Aeromagnetic Interpretation

## 1. INTRODUCTION

Exploration Licence 6078 is located 3 kilometres northeast of Mount Bonnie and approximately 179 kilometres south of Darwin (Fig.1). The area comprises 4 blocks (13.3km<sup>2</sup>) enveloping an area of outcropping Lower Proterozoic metasediments, meta-volcanics and metadolerites located on the divide between Saunders Creek and Margaret River.

Within the Licence there are eleven granted Mineral Leases and one Mining Claim (153 ha) held by Zapopan N.L. These leases cover the known extent of the Koolpin Formation within the Licence boundary.

## 2. TENURE

Exploration Licence 6078 was granted to Northern Territory Gold Mining N.L. for a period of three (3) years from 30th August 1988.

The licence was surrendered on 24th September 1990.

## 3. GEOLOGY

The geology of this area was detailed in the Annual Report for Year 1 of the licence and will not be repeated here.

## 4. WORK CARRIED OUT

### YEAR 1

During the first year of the licence work was concentrated on aeromagnetic interpretation which identified two anomalies possibly related to mineralization. These occur in the southwestern part of the licence (marked as {1} and {2} on Figure 2). No. 1 anomaly straddles the contact between the Gerowie Tuff and Zamu Dolerite. It appears as a "plug" style anomaly which appears to be interfering with the surrounding contour pattern. Its dimension would be of an order of 1.5 times Mt Bonnie.

Directly south of this anomaly is another smaller plug-style anomaly. It lies along an anticlinal axis in the Gerowie Tuff. Directly south again, but outside the licence boundary is a very distinct "low" which again straddles the Gerowie Tuff and anticlinal axis. This entire axis needs to be investigated.

Three distinct "bullseye" anomalies occur outside of the licence boundaries. These appear as the densely cross hatched areas. Two of these coincide with Iron Blow and Mt Bonnie. The third area immediately west of the northwestern licence boundary is an elongate "low" and similarly needs to be investigated.

## YEAR 2

It was prepared to follow up the anomalous targets with a rock chip and BCL sampling programme. However, severe financial restrictions were placed on the company which ultimately led to its controlling company, Pennant Holdings Ltd., having Receivers and Managers appointed.

The licence was surrendered on 24th September 1990.

## 5. EXPENDITURE

Total expenditure during the term of the licence amounted to \$10,127.00 with \$1,100.00 being expended during Year 2.

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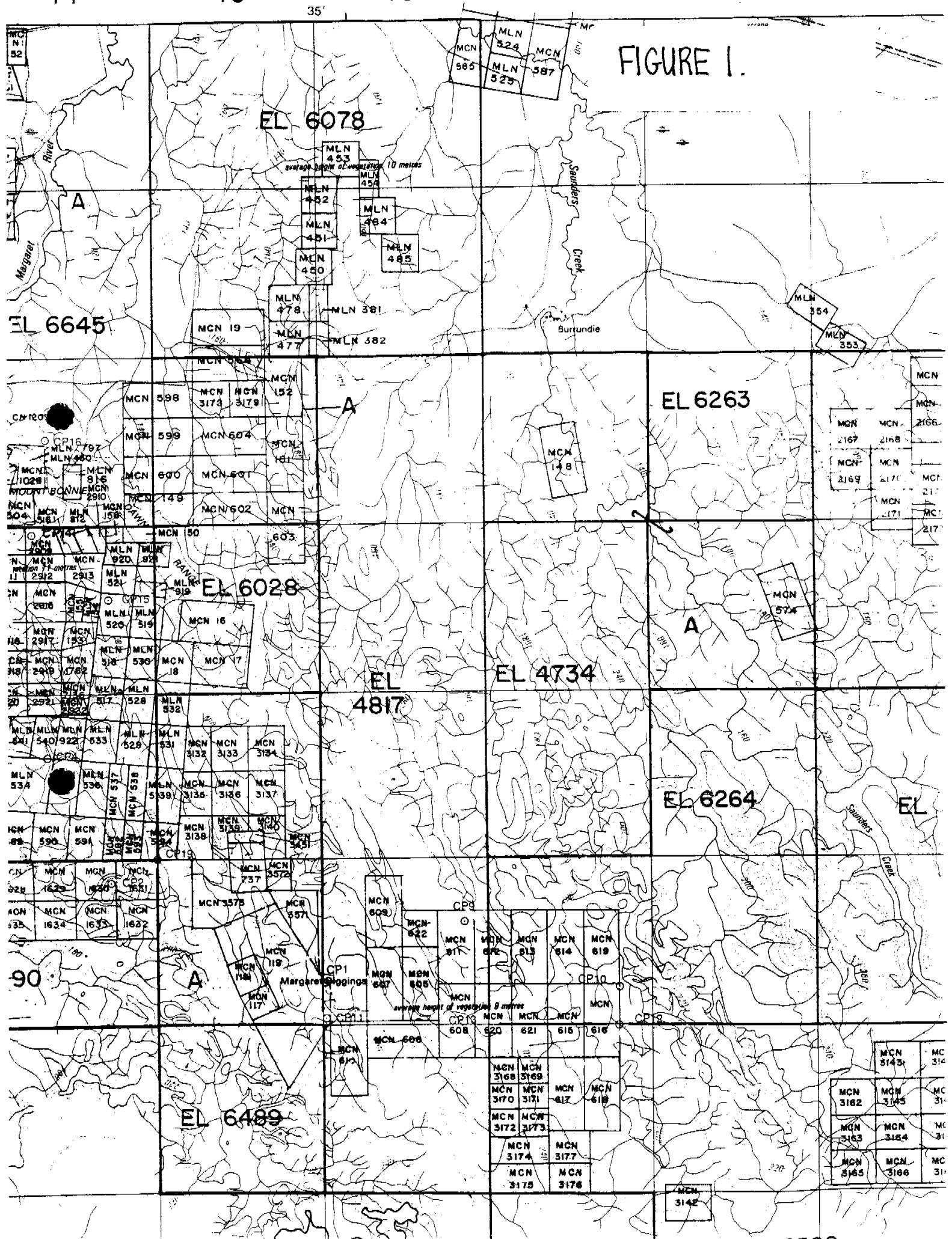
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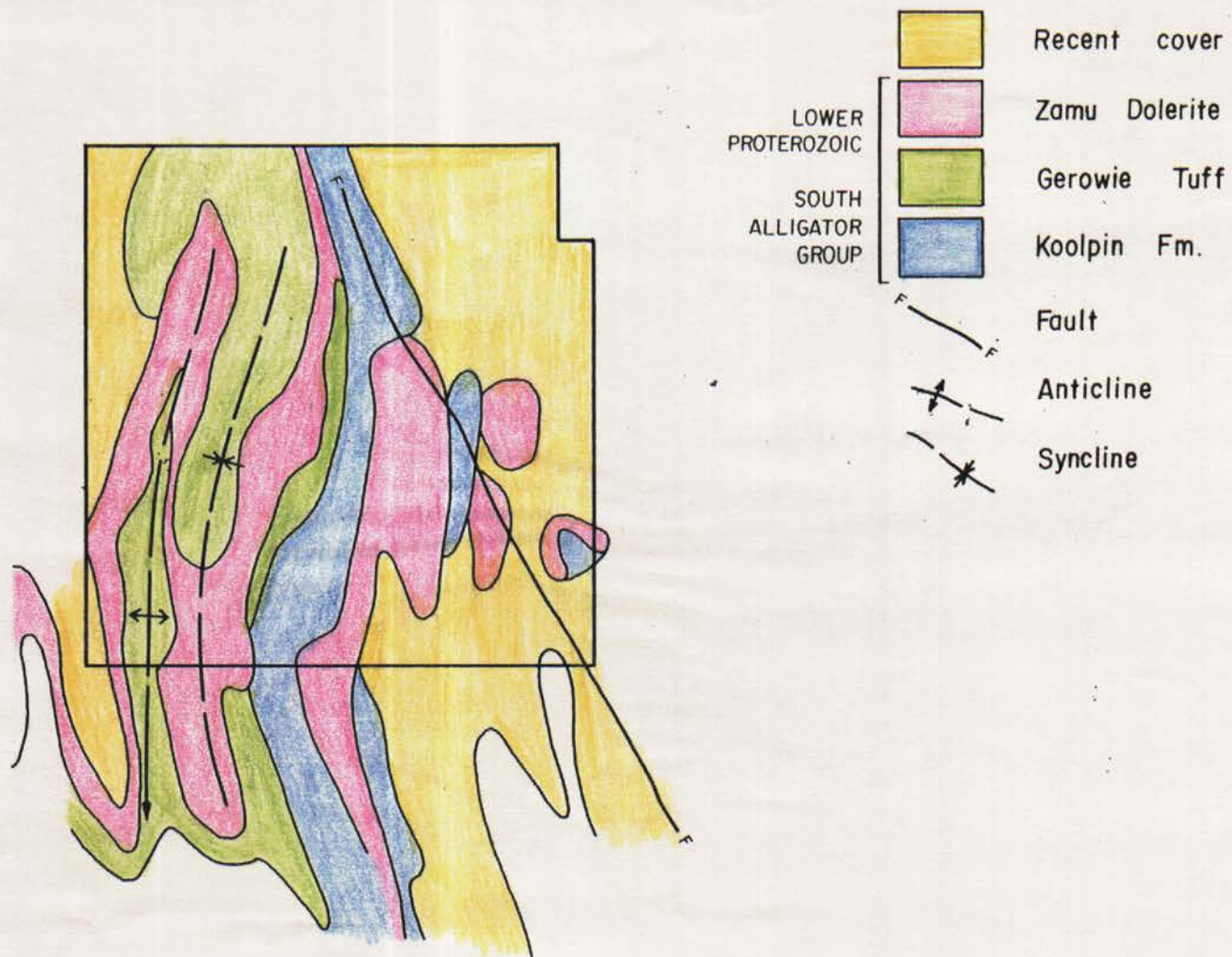
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FIGURE 1.







# GENERALISED GEOLOGY

EL 6078

FIGURE 2