METANA MINERALS N.L.

[redacted]

EXPLORATION LICENCE 6369

"NEW HOPE NORTH"

SUMMARY REPORT ON EXPLORATION

FOR THE PERIOD ENDING 1st MARCH 1989

Geological 1:250,000 Tennant Creek Sheet

OPEN FILE

Compiled by
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Supervising Geologist
18/4/89

CR89/690

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LIST OF FIGURES

1. SUMMARY

Only an aeromagnetic interpretation has been made. No aeromagnetic anomalies have been recognised here.

2. RECOMMENDATIONS

A photogeological interpretation, ground checking and reconnaissance bedrock drilling should be carried out to define the bedrock lithology and to determine the potential for shallow mineralisation. The results of this programme may be sufficient to relinquish the non prospective ground.

4. INTRODUCTION

The Exploration Licence is located about 20 kilometres east south east of the Tennant Creek township. See figure 1. The Licence is held by wholly by Metana Minerals N.L. The Exploration Licence was granted on the 15th February, 1989, it covers an area of approximately 641 hectares and has a Mines Dept. expenditure covenant of $4,000.

5. REGIONAL GEOLOGY

The regional geology will not be repeated here as it has been adequately described in numerous previous publications. For example the Geological Survey, 1:250,000 series Tennant Creek Sheet explanatory notes. Figure 2 shows a regional geology map taken from Le Messurier et al, "The Tennant Creek Inlier : Regional Geology and Mineralisation": in Economic Geology of Australia and Papua New Guinea - Metals. In Press.

8. AEROMAGNETIC INTERPRETATION

A geophysical interpretation was made on the data that was purchased by Metana from Austirex International Limited. An airborne geophysical survey was conducted by Austirex between June & July 1984. The flight lines were spaced by 200 metres, with tie lines separated by 4000 metres. A proton precession magnetometer was used for data collection. This had a resolution of 0.1 nano Tesla, a cycle rate of 0.5 seconds and a sample interval of 30 metres.

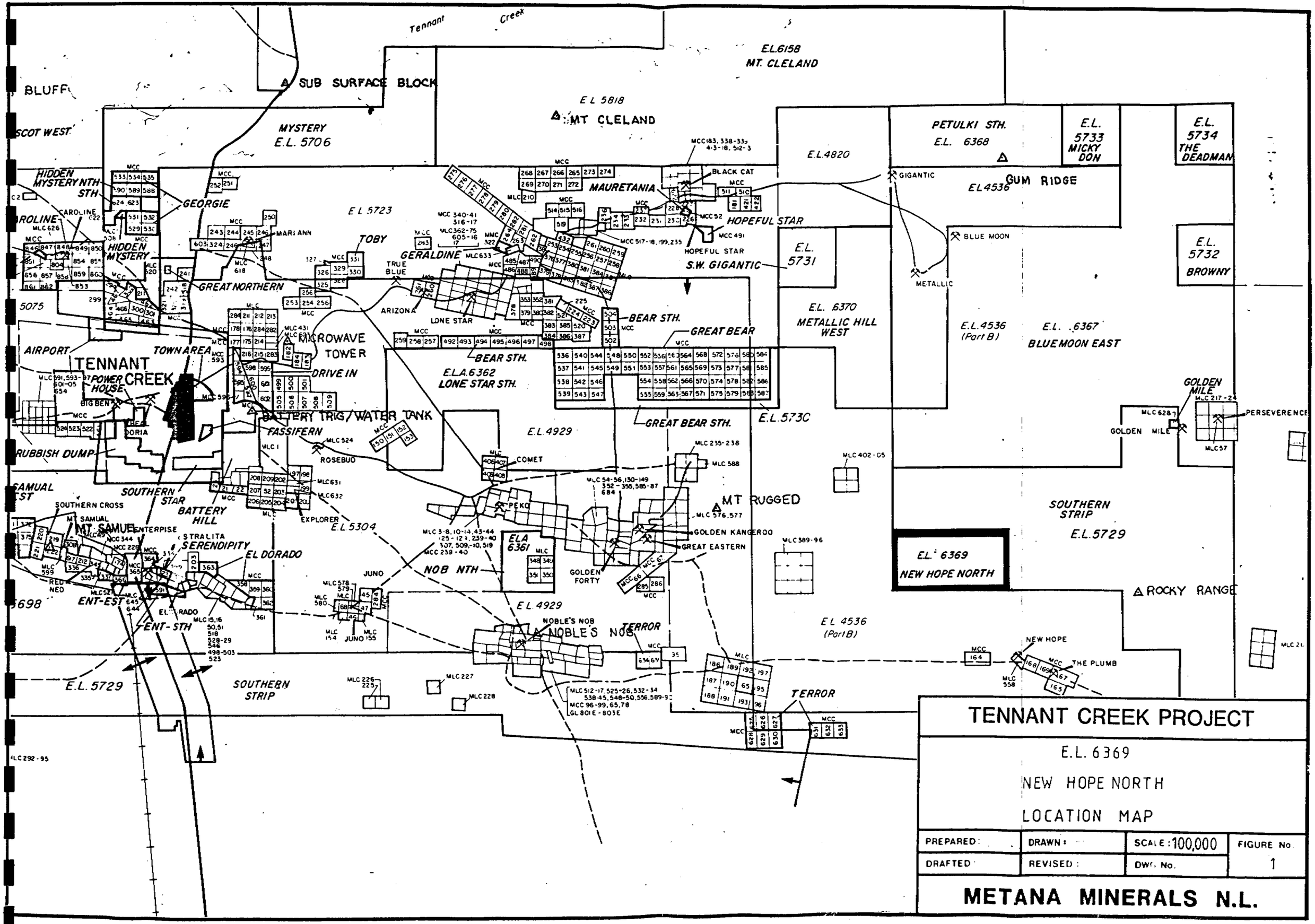
The interpretation is shown on figure 3. No obvious aeromagnetic features have been recognised within this lease. The underlying rocks are thought to be the Carraman Formation.

M E T A N A M I N E R A L S N L

EXPENDITURE FOR PERIOD TO 30 JUNE 1989

NEW HOPE NORTH 100% METANA

	Total Expenditure
Advertising	0.00
Legal Fees and Stamp Duty	0.00
Pegging Costs	0.00
Tenement Fees, Rents and Rates	128.75
Vendor Payments	0.00
Head Office costs	0.00
Insurance	0.00
Labour Staff Management	0.00
Maps, Plans, Searches and books	87.03
Telephone	0.00
Hire	0.00
Operating Costs	13.61
Repairs and Maintenance	0.00
Accomodation, Hotels and Meals	0.00
Freight and Cartage	0.00
Stores and Consumables	0.00
Travelling Expenses	0.00
Aerial Photography	0.00
Drilling Bedrock (Geochem)	0.00
Drilling Non-Core (Percussion)	0.00
Drilling Core (Diamond)	0.00
Drafting and Computing	0.00
Field Materials	0.00
Geological Services Field	0.00
Geological Services Office	63.12
Geophysical Survey and Interpretation	832.09
Gridding	0.00
Labour Operating	0.00
Petrology and Mineragraphy	0.00
Report Preparation	0.00
Sample Analysis and Preparation	0.00
	1124.60
Plus Administration Charge	168.69
	1293.29



TENNANT CREEK PROJECT

E.L. 6369

NEW HOPE NORTH

LOCATION MAP

PREPARED:	DRAWN:	SCALE: 100,000	FIGURE No.
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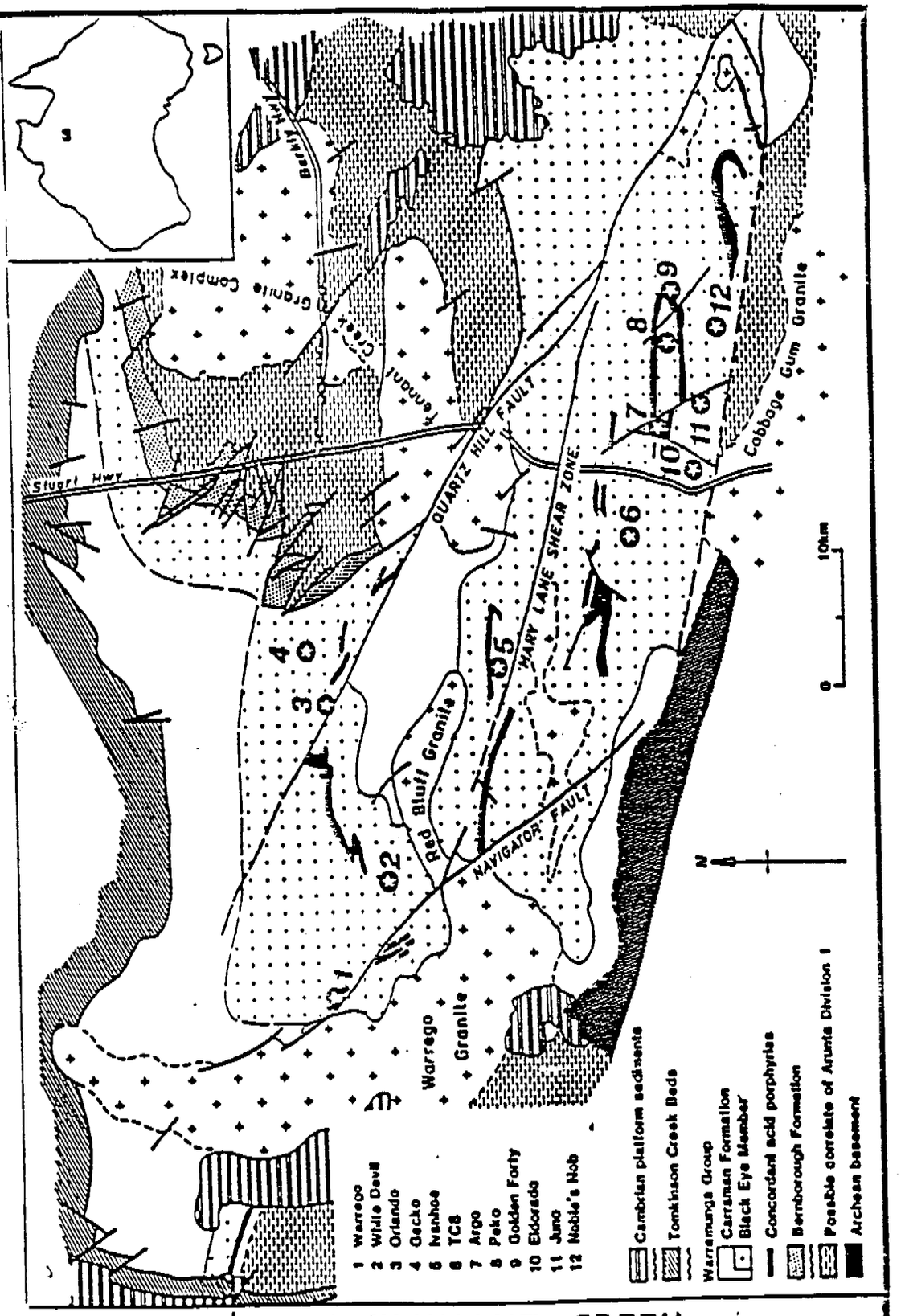

TENNANT CREEK

REGIONAL GEOLOGICAL MAP

From Le.Messurier et al.— ECONOMIC GEOLOGY OF AUSTRALIA and PAPUA NEW GUINEA METAL. IN PRESS

PREPARED:	DRAWN:	SCALE:	FIGURE No.
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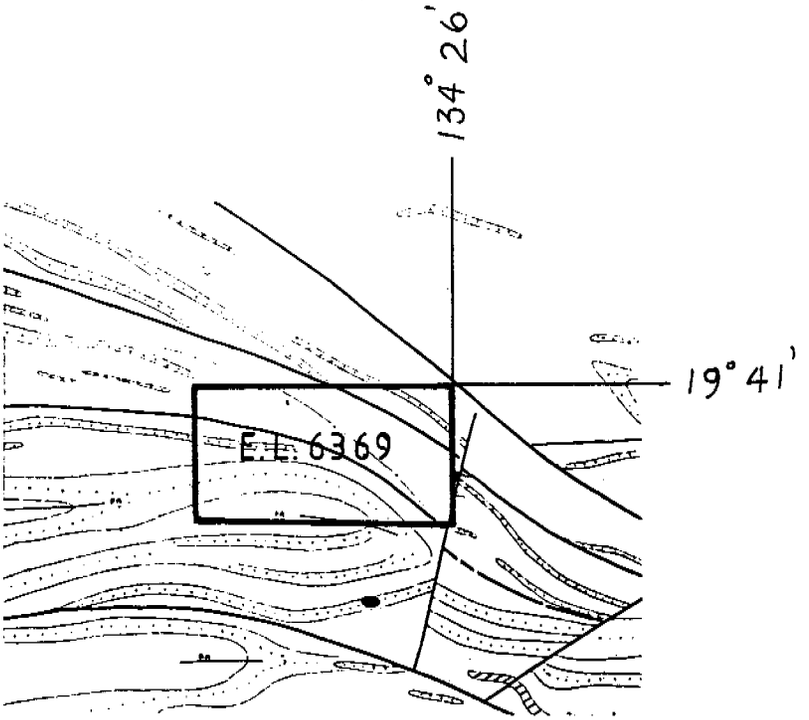

TENNANT CREEK PROJECT		
E.L. 6369 NEW HOPE NORTH AEROMAGNETIC INTERPRETATION		
Scale. 1:100 000	Date.	Figure 3
METANA MINERALS N.L.		