



TANAMI
EXPLORATION NL
ABN 45 063 213 598

**PARTIAL
RELINQUISHMENT REPORT**

EL 22921

TITRA

28 October 2002 - 27 October 2003

Author
C Rohde

January 2004

Distribution:

- ☐ Department of Business, Industry, & Resource Development (1)
- ☐ Native Title Unit - Central Land Council (1)
- ☐ Tanami Exploration NL (1)

File:cr04dbirdPR2003_22921

CONTENTS

	<i>Page</i>
1.0 Summary	1
2.0 Introduction.....	1
3.0 Tenure	1
4.0 Previous Work	1
5.0 Geology	1
6.0 TENL Exploration 2002 - 2003	2
7.0 References	2

TABLES

Table 1	Tenement Details
---------	------------------

FIGURES

Figure 1	Tenement Location Plan	1 : 1,000 000
Figure 2	Partial Relinquishment Plan	1 : 1,000,000

PLATES

Plate 1	Regional Geology	1 : 250,000
---------	------------------	-------------

DIGITAL APPENDICES (supplied on CD)

<i>FILE NAME</i>	<i>DESCRIPTION</i>
------------------	--------------------

1.0 SUMMARY

EL22921 'Titra' lies within the Central Arunta Region situated approximately 200km northwest of Alice Springs (**Figure 1**). The tenement was granted on 28 October 2002 to Tanami Exploration NL (TENL). A voluntary surrender of 293 blocks was completed after the first year of tenure. This report describes exploration carried out on the surrendered portion of EL 22921 'Titra' during the period 28 October 2002 to 27 October 2003 (**Figure 2**).

The relinquished tenement area is mainly underlain by high grade metamorphic rocks of the Strangways Metamorphic Complex, which comprises felsic and mafic granulites, felsic metavolcanics, ortho-quartzite and calc-silicate rocks. This area was recommended for surrender, as rocks are considered too high-grade metamorphic for hosting gold mineralisation.

2.0 INTRODUCTION

Exploration Licence 22921 is located approximately 200km northwest of Alice Springs and 10km north of Papunya. Access is via the sealed Stuart Highway and Tanami Track, then unsealed roads 100km west from the Tanami Track, via Papunya. Access within the tenement is poor due to sand dunes. Station tracks provide what limited access is available.

The tenement was applied for by TENL in December 2000 on the grounds of favourable lithologies and aeromagnetic features including major structures. TENL, an active explorer in the Tanami-Arunta Province, is a wholly owned subsidiary of Tanami Gold NL (TGNL), a publicly listed company.

3.0 TENURE

EL 22921 was granted to TENL on 28 October 2002. Tenement details are shown below. At the end of the first year of term 293 blocks were identified for relinquishment and subsequently a voluntary partial surrender was lodged in respect of these blocks (**Figure 2**). EL 22921 was reduced to 207 blocks with effect from 28 October 2003.

Table 1: Tenement Details

Tenement	Blocks	Km ²	Grant Date	Expiry	2003 Covenant
EL22921	500	1,580	28/10/02	29/10/08	\$66,500

4.0 PREVIOUS WORK

Previous exploration within the relinquished portion of EL 22921 comprises drilling by Alcoa during the 1980's testing for roll-front uranium mineralisation hosted within Tertiary sediments overlying basement. No anomalous results were returned.

5.0 GEOLOGY

EL 22921 'Titra' lies in the northwest corner of the Hermannsburg 1 : 250,000 map sheet. It is located within the Central Arunta Region comprising variably metamorphosed Proterozoic age sediments and

granite intrusives. Aeromagnetic interpretation and isolated outcrops in the region suggest Palaeoproterozoic Strangways Metamorphic Complex for the eastern portion of the tenement and metasediments of the Lander Rock beds Group for the western portion.

The surrendered tenement area is predominantly underlain by high grade metamorphic rocks of the Strangways Metamorphic Complex (**Plate 1**). Ding (2001) assigns these rocks to the Lower Proterozoic 'The Garden Metamorphics' unit comprising felsic and mafic granulites, minor felsic metavolcanics, ortho-quartzite and calc-silicate rocks.

Several major east-west trending and northwest-southeast trending major structures run through the tenement, the most significant being the Desert Bore Shear Zone. Potentially these structures and associated second-order splays could be a focus for mineralising fluids and hence be suitable exploration targets.

A blanket of Quaternary aeolian sand covers the entire tenement. Locally the aeolian sands mask thick cover sequences of Tertiary sediments.

6.0 TENL EXPLORATION

In 2002 / 2003 EL 22921 was included within an Arunta-wide bedrock geological interpretation and geophysical targeting exercise conducted by consultant geophysicist Dr Jason Myers and Dr Nathan Jombwe. Several targets were identified and reviewed on structural and lithological basis.

The eastern portion of the tenement was recommended for surrender, as most of this area is underlain by the Strangways Metamorphic Complex, which is considered too high-grade metamorphic for hosting gold mineralisation. No geophysical targets were identified within the surrendered portion.

7.0 REFERENCES

Ding, P., 2001. Pre-Cenozoic solid Geology Map of the Strangways Range to Harts Range Area, Explanatory Note, Tanami Gold NL, unpublished report.

Potter, J.R., 2003. First Annual Report on EL 22921 'Titra' for the year ending 27 October 2003.

Scrimgeour, I., 2003. Developing a revised framework for the Arunta Region. AGES, Record of Abstracts, Northern Territory Geological Survey.

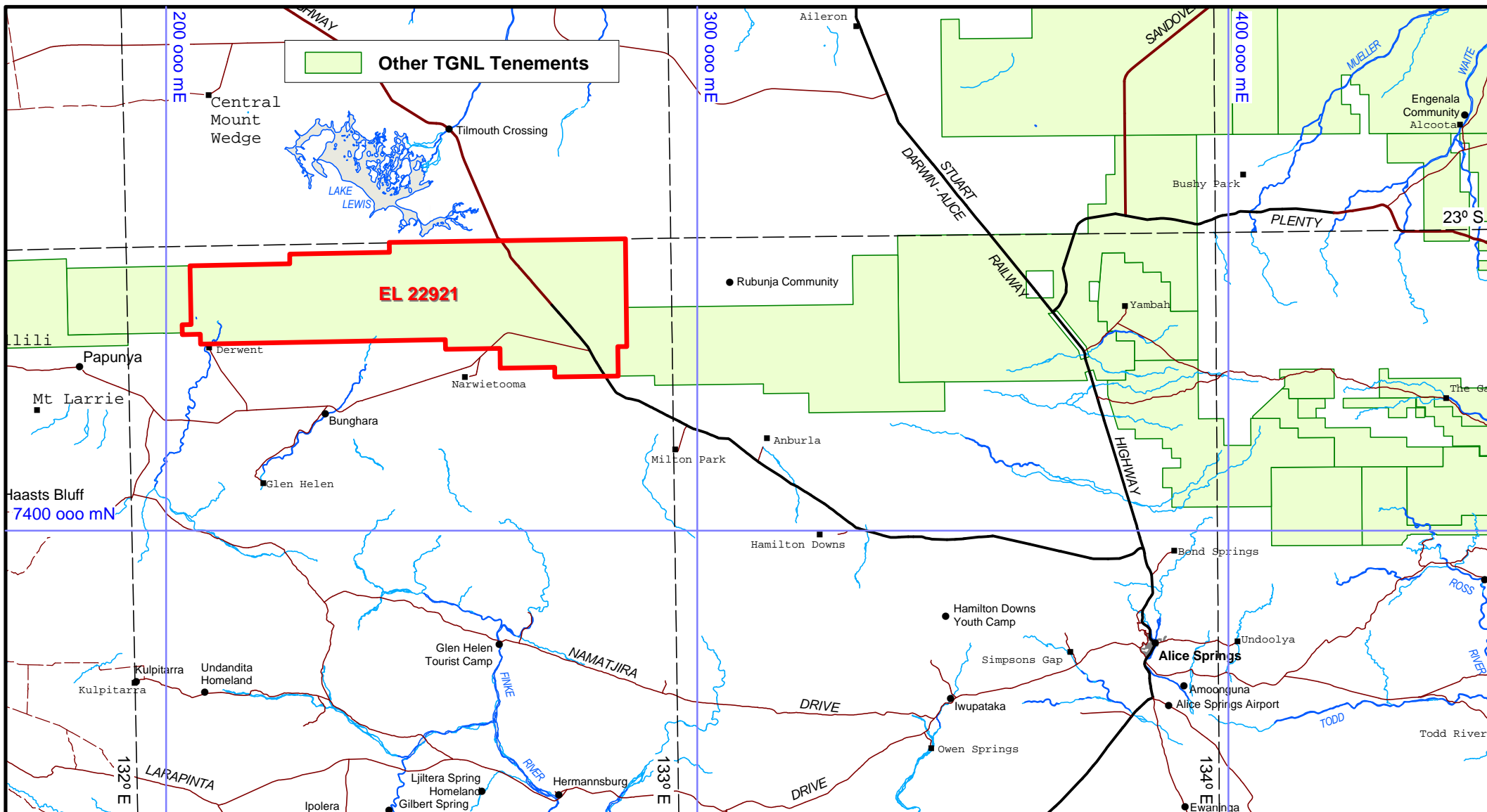


FIGURE 1

ORIGINATOR:
C.Rohde

DATE:
Feb 2004

DRAWN:
M.H.Bailey

1 : 1,000,000

0 20 40 60

MGA Zone 53 (GDA94) kilometres

BURT PLAIN

**EL 22921 - TITRA
TENEMENT LOCATION**

TANAMI GOLD NL

PLAN No: **48_Tt_003**

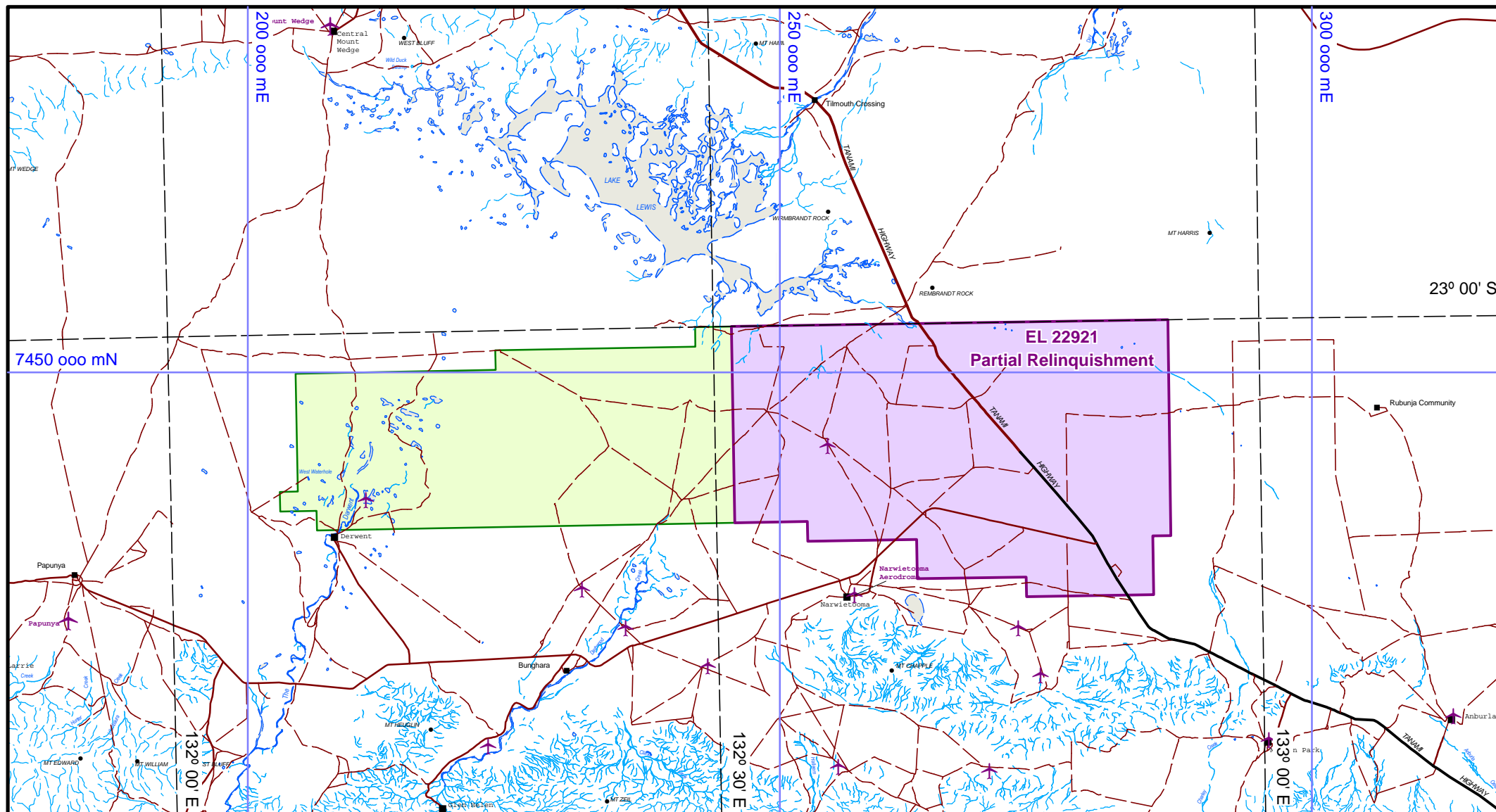


FIGURE 2

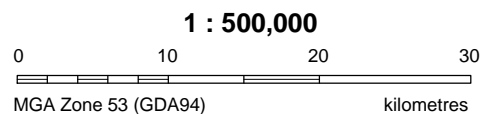
ORIGINATOR:
C.Rohde

DATE:
Feb 2004

DRAWN:
M.H.Bailey

BURT PLAIN

TANAMI GOLD NL



EL 22921 - TITRA
PARTIAL RELINQUISHMENT

PLAN No: **48_Tt_007**

