ZAPOPAN NL

EL 6448

MAC'S RANGE
TANAMI REGION
NORTHERN TERRITORY

SECOND RELINQUISHMENT REPORT
FOR YEAR ENDING
21ST MAY 1993

Author: Tony Rovira
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CONTENTS

1. SUMMARY AND CONCLUSIONS .............................................. 1
2. INTRODUCTION ............................................................... 1
3. GEOLOGY ................................................................. 1
4. EXPLORATION COMPLETED ................................................ 2

FIGURES

1. EL 6448 - Blocks Relinquished 1:100,000 Scale
1. SUMMARY AND CONCLUSIONS

This report is submitted as a requirement of the statutory relinquishment of 9 blocks out of Exploration Licence 6448 and summarises work carried out on the relinquished areas. This has consisted of literature searches, aerial photography acquisition, open file airborne magnetic data acquisition, and subsequent image processing and interpretation. Interpretation of data has indicated that the areas relinquished are not prospective for near surface gold mineralisation.

2. INTRODUCTION

Exploration Licence 6448 was granted on 22nd May, 1989 for a six year period to Harlock Pty Ltd. A 50% interest was subsequently transferred to Zapopan NL. Harlock held its interest in trust on behalf of Kumagai Gumi Co Ltd (30%) and Kintaro Metals Pty Ltd (20%). These companies comprised the Tanami Joint Venture (TJV) partners. Zapopan acquired the remaining 50% of the Tanami Joint Venture in September 1991, and EL 6448 was transferred totally to Zapopan on 28th November, 1991.

EL 6448 is located between 50-60 kilometres southwest of the Tanami Gold Mine. The area is accessed by way of the Tanami-Alice Springs Road to Rabbit Flat, then by the station road southwest to Tanami Downs Homestead. Station tracks are then followed northwest from the homestead to within five kilometres of Century Bore and then via a recently graded track north into the licence area.

The EL lies totally on Aboriginal land within the Central Desert Land Trust area.

A total of 9 blocks was relinquished from EL 6448 effective from 22nd May, 1993. Figure 1 shows the area relinquished.

3. GEOLOGY

Most of the licence area is covered with a fine orange brown silty sand of dominantly aeolian character. Usually minor amounts of laterite fragments (including pisolites), quartz, and detrital basement fragments are mixed with the sand cover. This cover is most commonly 1 - 2 metres deep, shallowing to less than one metre at the crest of some laterite rises and approaching outcrop areas. The sandy overburden is up to five metres thick in the southeastern part of the EL area.

Pisolitic and nodular laterite, usually containing trace to minor quartz fragments, are present throughout most of the area, albeit usually covered by sand. Generally, the thickest laterite development occurs in the western part of the licence area, where a thickness of more than six metres was recorded.

The area is generally sparsely vegetated with occasional thickets of mostly eucalypt and acacia species. Thick accumulations of mallee-type eucalypts occur in the flat-lying sandy areas in the southern portions of the surveyed area. Spinifex covers the entire area, and is thickest in the more sandy southern areas.
Along the southern licence boundary, sandstones belonging to the Palaeozoic Pedestal Beds outcrop. This unit usually comprises fine to coarse grained, ferruginous, quartzose sandstone, with minor clayey sandstone and laminated shale.

No rocks of the Tanami Complex outcrop within the relinquished area.

4. EXPLORATION COMPLETED

Open file reports and relevant geological data from the Tanami - Granites region were obtained.

This data includes the regional airborne magnetics survey compiled by the Northern Territory Geological Survey on The Granites Sheet area.

Colour aerial photography at 1:50,000 scale was flown by Airresearch Mapping and relevant landforms, outcrop extent, geology, drainage structure, etc were interpreted from the photography.

Landsat images at 1:250,000 scale covering the Tanami - Granites region were purchased and again relevant geological and structural features interpreted.

All the available data has been utilised to build up a broad geological and structural picture of the area.

All research on the areas relinquished has indicated that the prospectivity for near surface gold mineralisation was low. No suitable target areas were delineated and no surface sampling was undertaken.
ZAPOPAN NL

EL 6448

SECOND RELINQUISHMENT REPORT

FIGURE 1

EL 6448 BLOCKS RELINQUISHED
1:100,000 SCALE
AREA 1
5 blocks

AREA 2
5 blocks

Century Bore

Area Retained

Area Relinquished

EL 6448
10 blocks
31 sq km

Zapopan N.L.

EL 6448

SCALE 1:100,000
PREPARED BY A.P.R. DATE FEB 1993
DRAWN BY C.S.D.S. DRAWING NO.