EXPLORATION LICENCE 8717
“INGALLAN CREEK”
(Mount Peake 1:250 000 sheet)

PARTIAL RELINQUISHMENT REPORT
FOR EXPLORATION ACTIVITIES ON THE
AREA REDUCED AT THE YEAR ENDED
14 July 1996

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Issued By:
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Distribution:
- NTDME (1)
- ARL Melbourne (1)
- ARL Adelaide (1)

October 1996
ARL Report Ingallan Creek No.3
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1. INTRODUCTION

Exploration Licence 8717 “Ingallan Creek” (1065km²) was granted to Aberfoyle Resources Limited (ARL) on 15 July 1994 for a period of six years.

In accordance with Northern Territory Department of Mines and Energy regulations, EL8717 was due for reduction on the second anniversary (July 14, 1996). A total of 83, one minute by one minute, graticular blocks were relinquished by ARL comprising a 25% drop-off of land area (Figure 1).

This report outlines exploration activities carried out by ARL on the abandoned portion of the Ingallan Creek licence from the date granted up until the time of relinquishment.
2. EXPLORATION ACTIVITIES COMPLETED

2.1. AEROMAGNETICS

The poor quality of existing BMR data over the Ingallan Creek licence area necessitated that ARL fly and collect high resolution magnetic and radiometric data. The survey was flown by Geoterrrex in 1995 and is reported in detail along with survey specifications in the first annual report (Drown, 1995).

A total magnetic intensity image of the area surveyed, excluding those blocks retained by ARL is presented in Figure 2. No significant magnetic anomalies interpreted to be due to a bedrock source occur in the area relinquished on 14 July, 1996.

2.2. RADIOMETRICS

Images of the radiometrics over the surrendered portions of the Ingallan Creek Licence are presented in Figures 3 and 4. It can be seen that there is a slightly anomalous count in the northeastern area of the tenement, the larger portion of which has been retained after the July partial relinquishment. The RGB image (Figure 4) reveals this total count anomaly to be due to elevated potassium and thorium in this NE corner which is traversed by the Hanson River and therefore may be a drainage related weak radiometric anomaly.

2.3. LANDSAT TM IMAGING

The classified Landsat Image of the surrendered area is presented in Figure 5. The land area relinquished is dominated by sand plain regolith with some quartz rich subcrop (or float) in the southwestern portion of the licence.

The presence of pale pink colours near 133°E, 21°15'S in the central northeast of the surrendered portion, indicates that the possible presence of some Lander Rock Bed outcrop.

2.4. RAB DRILLING

The entire June 1996 RAB drilling programme reported in Hughes (1996) was contained within the new E18717 boundaries (as of 14 July 1996) retained by ARL (Figure 6) and therefore is not reported here.
ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

NORTHERN TERRITORY
EL8717 - INGALLAN CREEK
TENURE REDUCTION - JUNE 1996
Total Count Radiometric Image
algorithm: ing_radion_parturrr.nlm

EL8717 Boundary prior to reduction

Figure 3
EL8717 Boundary prior to reduction

Potassium

Uranium

Thorium

ABERFOYLE RESOURCES LIMITED
EXPLORATION DIVISION

NORTHERN TERRITORY
EL8717 - INGALLAN CREEK
TENURE REDUCTION - JUNE 1996
RGB Radiometric Image
algorithm: imgRGB_m明日_part.marralg

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Figure 4
3. **EXPENDITURE**

At the second anniversary of EL8717 "Ingallan Creek" the total expenditure on the project totalled to $128,968-51 (Drown, 1995 and Hughes, 1996).

Disregarding all costs related to the June 1996 RAB drilling (including access to sites and geochemistry), the monies proportioned to the 83 graticular blocks relinquished (25% of the original land area) on 14 July 1996 stands at $27,830-21.
4. REFERENCES
