



HEAD OFFICE

Level 5

384 Eastern Valley Way

Roseville NSW 2069

Telephone: 02 9417 3588

Facsimile: 02 9417 8750

email: admin@compassresources.com.au

website: www.compassresources.com.au

EL 27789 – Miles Road South

Annual Report for the period

20th October 2010 to 19th October 2011

Author: G. Johansen

(garry.johansen@compassresources.com.au)

November 2011

Batchelor 1:100,000 Sheet

MGA 94 Zone 52

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Figure 1: Tenement location map for EL 27789

1. INTRODUCTION

This tenement is considered prospective for uranium, gold and base metal sulphide mineralisation. During the reporting period the tenement was flown with detailed airborne magnetics and EM to help define potential drill targets.

2. TENEMENT DETAILS

An application for this exploration licence of 1 sub-blocks (2.12 square kilometres) was made on 16 November 2009. This area was granted as EL 27789, effective 20th October 2010 for a period of two (2) years expiring on 19 October 2012. Compass Resources Ltd has 100% ownership of the tenement.

The tenement is located on the Pine Creek 1:250,000 map sheet (5270), Batchelor 1:50,000 and Rum Jungle 1:50,000 topographic maps (5171-4 and 5071-1 respectively).

3. ACCESS

Access to the general area is by following Miles Road south from Batchelor with the tenement located to the north and east of the historical Gould Airstrip. Only minor tracks exist in the tenement with much of the area impassable in the wet season.

4. GEOLOGICAL SETTING

This tenement is located approximately four kilometres south-east of Batchelor on the eastern side of the Archaean Waterhouse complex. Basement rocks are shales of the Lower Proterozoic Whites Formation (the underlying Coomalie Dolomite outcrops to the north and west of the tenement). To the east the Whites Formation is overlain by units of the Mid-Proterozoic Burrell Creek Formation.

The boundary between the Lower and Mid-Proterozoic units is a series of bedding parallel thrusts that are often intruded by Zamu Dolerite. To the north of the tenement the boundary between the Whites Formation and Coomalie Dolomite is also a thrust (represented by extensive development of HQB).

Outcrop is fair in the area, with some lateritisation and both Tertiary sediments and recent alluvium obscuring parts of the basement rocks.

5. PREVIOUS EXPLORATION

The tenement hosts part of the Waterhouse No. 4. Uranium anomaly which was an area of interest in the 1960's to 1980's. Pancontinental held the ground in the 1970's and completed a percussion hole within the tenement. Mobil Energy also completed a drill hole within the tenement in 1982. No source for the uranium anomaly was identified by the exploration.

Aztec Mining held the area in the period 1992-1998. Work by Aztec included stream sediment sampling, soil and rock chip sampling. They also completed a large detailed aeromagnetic survey of the general region including EL 27789.

6. WORK COMPLETED IN YEAR 1

In the last few years Compass Resources compiled all historical exploration data for the Rum Jungle Mineral Field into a true GIS system. Exploration drilling data was collated and entered into the Datashed database and evaluated using ARC GIS and Micromine. In addition all historical maps relevant to EL 27789 were geo-referenced in ARC.

The detailed aeromagnetic and radiometric surveys flown in the 1990s were merged with the regional geophysical data sets and reprocessed.

One of the prime benefits of compiling so much historical exploration data is that it generates a better understanding of both the regional geology as well detailed geology of individual prospects. At Rum Jungle this has resulted in a complete re-think of the timing and controls to mineralisation.

Based on the review of the historical exploration data there are two distinct primary mineralisation events at Rum Jungle:

- (a) Lower Proterozoic stratiform base metal event (Browns, Area 55, possibly Mt Fitch sulphides)
- (b) Mid Proterozoic structurally controlled uranium-gold-platinoid-base metal event (all other prospects).

The mid Proterozoic event is associated with a series of stacked, essentially bedding parallel thrust surfaces. These surfaces are characterised by extensive zones of brecciation and variable but often intense hydrothermal alteration. Alteration includes silicification, haematite dusting, specular haematite, apatite, chlorite and disseminated pyrite.

Within the Miles Road South tenement these thrust surfaces separate the major lithological units. Extensive sills and non-concordant bodies of Zamu dolerite intrude along the thrust sheets and these are also variably altered and provide some age constraints on the structural and mineralising events.

The extent of thrusting and brecciation has been confirmed through field checking and reviewing historical drill logs.

Given the improved understanding of the prospectivity of EL 27789 it was decided to fly the area of the tenement (along with all other Compass tenements at Batchelor) with helicopter borne aeromagnetism and EM. The survey was completed by GPX Surveys in late 2010 with flight lines at 150m spacing, orientated east-west and with a terrain clearance of 30m. East-west tie lines were spaced at kilometre intervals. This generated approximately 10 line kilometres of data within EL 27789.

Processing of the data commenced in early 2011 and unfortunately a problem was encountered that may be related to Defence Department infrastructure and considerable reprocessing was required. Compass Resources only received the final, corrected data from this extensive survey in September 2011. The geophysical data for this licence is attached.

7. PLANS FOR YEAR 2.

The geophysical data (magnetic and electromagnetic) will be reviewed and targets selected for ground follow up and drilling. The primary focus will be to determine the source of the Waterhouse No. 4 Uranium anomaly.

Expected expenditure is anticipated to exceed \$7,000.00.

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EL 27789 EXPENDITURE REPORT

For Year Ending 19 October 2011

	\$
Salaries & Wages	1,500
Consultants	1,260
Geophysical Surveys	5,000
Other	750
Total Expenditure	\$8,510

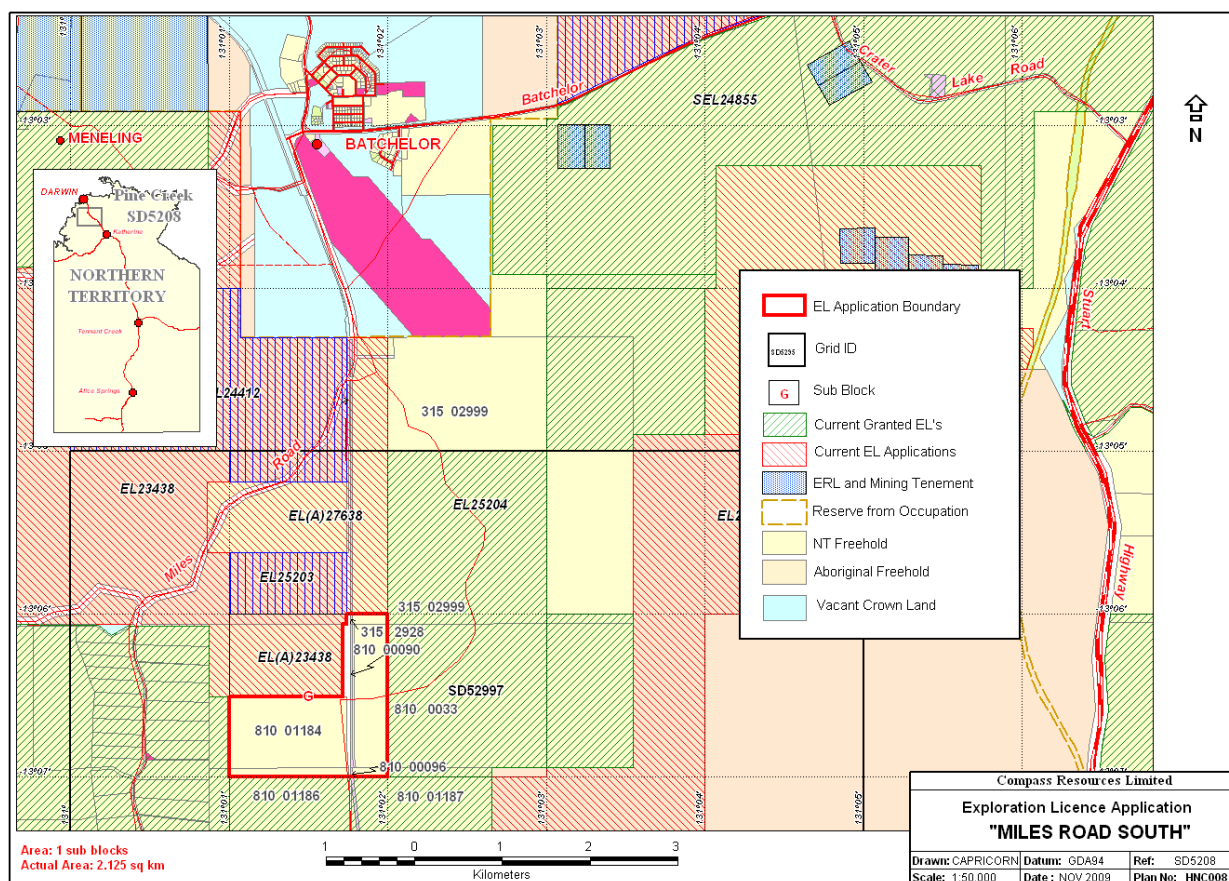


Figure 1 Tenement location map for EL 27789.