



**ABM**  
RESOURCES NL

# **ABM RESOURCES NL**

ABN 58 009 127 020

## **NINETH**

## **ANNUAL REPORT**

### **EL 22228 'Border North East 1'**

From 25 May 2009 to 24 May 2010

## **NIL WORK REPORT**

|                  |                                      |
|------------------|--------------------------------------|
| Holder           | Australian Tenement Holdings Pty Ltd |
| Operator         | ABM Resources NL                     |
| Author           | J Rohde                              |
| Date             | July 2010                            |
| Email            | joe @abmresources.com.au             |
| Target Commodity | Gold                                 |
| Datum/Zone       | GDA94/ MGA Zone 52                   |
| 250,000 mapsheet | The Granites SE 52-03                |
| 100,000 mapsheet | McFarlane 4757                       |

#### **Distribution:**

- o DRDPFR - digital
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## 1.0 SUMMARY

Exploration Licence **22228** 'Border North East 1' was granted to Otter Gold NL (OGNL) on 08<sup>th</sup> June 2001. In 2002 OGNL was taken over by Normandy NFM / Newmont, which had the tenement registered by Australian Tenement Holdings Pty Ltd (ATH), a wholly owned subsidiary of Newmont. **EL 22228** was explored by ATH, which is considered to be prospective for gold mineralisation similar to the Tanami, Twin Bonanza, Old Pirate and Groundrush deposits. In December 2009, ABM Resources NL (ABM) purchased **EL 22228** from ATH. ABM explores the tenement for the potential of gold mineralisation. **EL 22228** is located 15km from the Western Australia –Northern Territory boundary in the Tanami Desert region, approximately 630km North West of Alice Spring (**Figure 1**).

All previous exploration has been outlined in the preceding annual reports.

No on-ground exploration was conducted during the ninth year of term due to the sale of **EL 22228** from ATH to ABM; therefore this report covers nothing conducted during the reporting period.

## 2.0 INTRODUCTION

**EL 22228** was transferred from Otter Gold NL to Australian Tenement Holdings Pty Ltd in 2003. In December 2009 ABM purchased **EL 22228** from Australian Tenement Holdings Pty Ltd. This report is the annual report on exploration carried out on the tenement for the period 25<sup>th</sup> May 2009 to 24<sup>th</sup> May 2010.

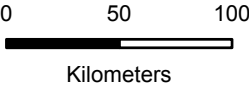
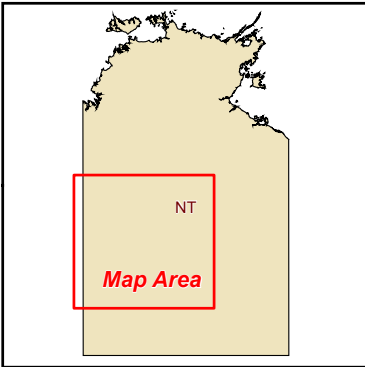
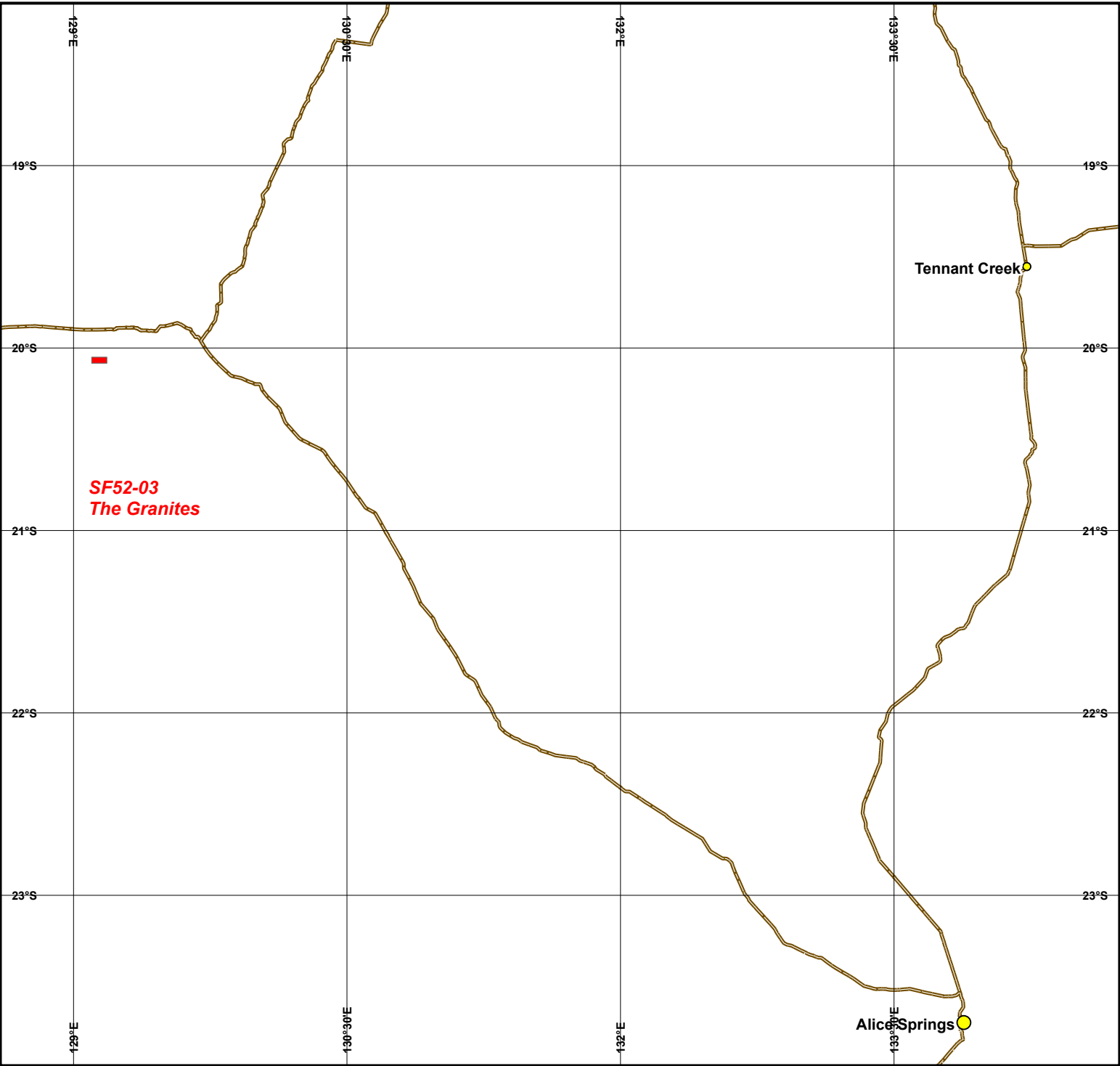
## 3.0 TENURE

**EL 22228** was originally granted to Otter Gold NL (OGNL) on 08<sup>th</sup> June 2001. In December 2001 – January 2002 Normandy NFM gained a controlling interest in Otter Gold NL, the Normandy NFM team took control of Mining Leases and Exploration ground. By May 2002 Newmont Gold had taken over Normandy and had a controlling interest in Normandy NFM (now Newmont NFM) and thus Otter Gold NL. In 2003 Newmont NFM had the tenement registered by Australian Tenement Holdings Pty Ltd (ATH) a wholly owned subsidiary of Newmont.

In December 2009, ABM Resources NL (ABM) purchased **EL 22228**. Tenement details are listed below in **Table 1**.

**Table 1:** Tenement Details

| Tenement Name       | Tenement No | Blocks Granted | Grant Date   | Expiry Date |  |
|---------------------|-------------|----------------|--------------|-------------|--|
| Border North East 1 | EL 22228    | 10             | 08 June 2001 | 24 May 2010 |  |



**ABM Resources NL**

**Tanami Project**

**EL 22228**

**TENEMENT LOCATION**

Author: Joe Rohde

Scale: 1:3 500 000

Drawn: B. Mastaglia

Date: June 2010

Projection: Lat/Long (GDA 94)

**Figure 1**

#### 4.0 LOCATION and ACCESS

EL 22228 is located 15km from the Western Australia –Northern Territory boundary in the Tanami Desert region, approximately 58km west of the Tanami Gold Mine. The area is covered by the 'The Granites' (SF52-03), 1:250 000 geological series map sheet. Access to the tenement can be gained via the old Tanami Highway and field tracks to the south toward the Nora Range (Figure 2).

#### 5.0 REGIONAL GEOLOGY

(from Muir 2004)

The Granites-Tanami Block is bound to the west by the Canning Basin, and to the east by the Wiso Basin. It is considered to be one of the western-most Palaeoproterozoic inliers of the North Australian Orogenic Province, developed during the Barramundi Orogeny (Blake et al., 1979). The stratigraphy of the Tanami Region has been revised as a result of an intensive study recently completed by the NTGS (Hendrickx et al., 2000). The stratigraphy outlined by Blake et al (1979) has had some significant modifications (Hendrickx et al, 2000).

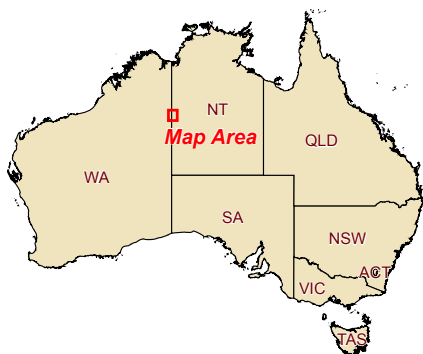
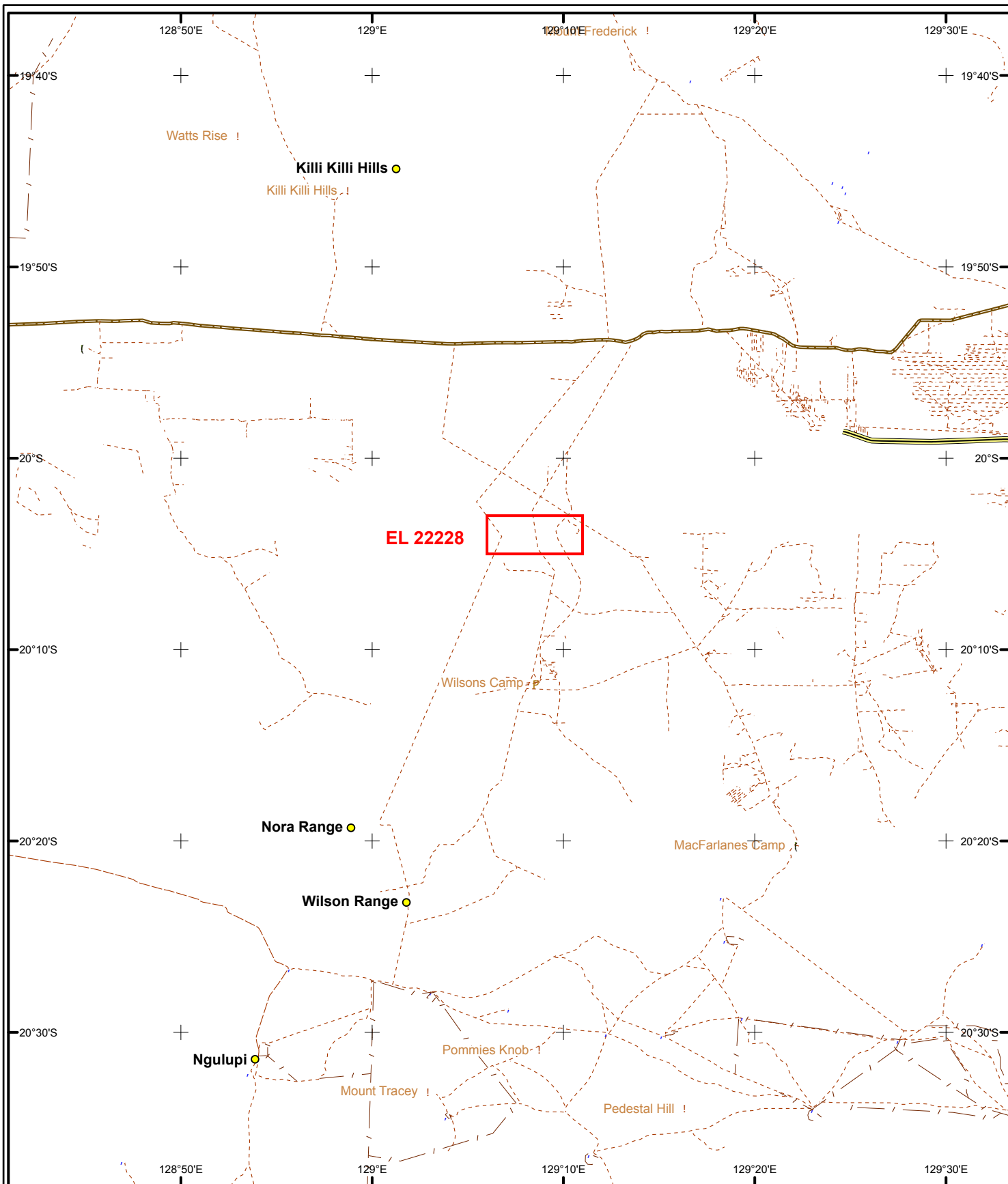
The oldest rocks of Archean age belong to the Billabong Complex and the Browns Range Metamorphics. Lying unconformably above the Archean basement is the palaeoproterozoic MacFarlane Peak Group. These rocks are characterised by a thick sequence of mafic volcanic, volcanoclastic and clastic sedimentary rocks, which possess a distinctive magnetic and gravity signature. The Tanami group is subdivided into three formations: Twigg Formation: purple siltstone with minor sandstone and chert Killi Killi Formation: turbiditic sandstone Dead Bullock Formation: siltstone, mudstone, chert and banded iron formation The Pargee Sandstone unconformably overlies the Tanami Group and is exposed on the western side of the Coomarie Dome extending into Western Australia. The Pargee Sandstone comprises thick-bedded quartz arenite, lithic arenite and conglomerate with pebbly sandstone and conglomerate at the base. The Mount Charles Formation comprises an intercalated package of basalts and turbiditic sediments, which occur on the western side of the Frankenia Dome. The Mount Charles Formation is host to structurally controlled vein hosted gold mineralisation in the Tanami Mine Corridor. The Mt Winnecke Group is also interpreted to lie unconformably over the Tanami Group. This group is divided into two units including siliclastic sediments and felsic volcanics. The Nanny Goat Volcanics are characterised by extrusive volcanic rocks including quartzfeldspar ignimbrite, feldspar ignimbrite, rhyolite lava, basalt and minor siliclastic sediments. The Birrindudu group comprises 3 units with Gardiner Sandstone at the base, overlain by Talbot Well Formation and Coomarie Sandstone. The Suplejack Down sandstone is interpreted to belong to this group but its relationship is unclear. Cainozoic laterite, silcrete, calcrete, and Quaternary debris cover 60 – 70% of the Tanami Desert. The Quaternary sediments are generally unconsolidated, representing the most recent phase of erosion and deposition of sands, gravels and lithic fragments.

#### 6.0 PREVIOUS EXPLORATION

(from Muir 2004)

Exploration reported between 8th June 2002 to 7th June 2003.

Regional surface samples (118) were taken by Otter Gold NL. Regional bulk samples were taken on a standard 500m x 500m grid using a Robinson helicopter. Samples were also taken with a helicopter on a 250m x 250m grid in areas where the broader spaced samples showed kicks in anomalism, to confirm the original anomalism. These were later sieved to either -200 microns or -25mm (1/4") and 150 gram samples were sent to ALS to be assayed for ultra low-level Au (0.1 ppb) using the ZARG method.



0 10 20  
Kilometers



**ABM Resources NL**

**Tanami Project**

**EL 22228**

## LOCATION AND ACCESS

Author: J. Rohde

Scale: 1:500 000

Drawn: B. Mastaglia

Date: June 2010

Projection: Lat/Long (GDA 94)

**Figure 2**

## 7.0 EXPLORATION COMPLETED

ABM reviewed and evaluated the exploration potential of the area but no on-ground exploration was conducted during the ninth year of term; therefore this report covers nothing conducted during the reporting period.

## 8.0 BIBLIOGRAPHY

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