



ABM
RESOURCES NL

ABM RESOURCES NL

ABN 58 009 127 020

ANNUAL REPORT

EL 8825 Lucky's Bore

16/04/2010 – 15/04/2011

Holder	ATH Pty. Ltd.
Operator	ABM Resources NL
Author	J. Rohde
Date	May 2011
Email	joer@abmresources.com.au
Target Commodity	Gold
Datum/Zone	GDA94/ MGA Zone 52
250,000 map sheet	The Granites (SF52-03)
100,000 map sheet	McFarlane, (E 4757)

Distribution:

- o NT DoR - digital
- o Native Title Unit - Central Land Council (1)
- o ABM Resources NL (1)

File: jr27DoR Annual I R 2011 Peccadillo 8825

CONTENTS		Page
1.0	Summary	1
2.0	Introduction.....	1
3.0	Tenure	1
4.0	Regional Geology	1
5.0	Previous Exploration.....	2
6.0	Exploration in Year Two.....	3
7.0	Bibliography.....	3

TABLES

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

FIGURES

Figure 1	Tenement Location	1 : 2,500,000
Figure 2	Tenement Location and Access	1 : 1,000,000

PLATES

Plate 1	GEOEye satellite imagery	1 : 50,000
---------	--------------------------	------------

1.0 SUMMARY

EL 8825 'Luckys Bore' forms part of ABM's Resources NL (ABM) Bonanza Regional project. **EL 8825**, was originally granted on the 29th April 1999 and is located approximately 620 km northwest of Alice Springs and approximately 88km south west of the Tanami Gold Mine (**Figure 1**).

ABM Resources NL (ABM) acquired a group of tenements, which included EL 8825, from ATH in a deal completed March 31st, 2010.

ABM acquired GEOEye satellite imagery and reviewed existing data.

No on ground exploration was conducted on the tenement during the reporting period.

2.0 INTRODUCTION

EL 8825 forms part of the Bonanza Regional project area. The tenement is situated about 620 kilometres northwest of Alice Springs at the border to Western Australia and is 85 kilometres southeast of the Tanami Gold Mine in the Tanami Desert. Access to the tenement from Alice Springs is via the Tanami Track and a network of tracks towards the Wilson Range.

3.0 TENURE

Exploration License 8825 was granted on April 29th 1999 for a period of ten years to Australian Tenement Holdings Pty Ltd (ATH) a wholly owned subsidiary of Newmont Asia Pacific (Newmont). It was included in a sale purchase agreement completed on March 31st, 2010 between Newmont and ABM Resources NL. An extension of term was granted.

Tenement details are shown in **Figure 2** and are listed below in **Table 1**.

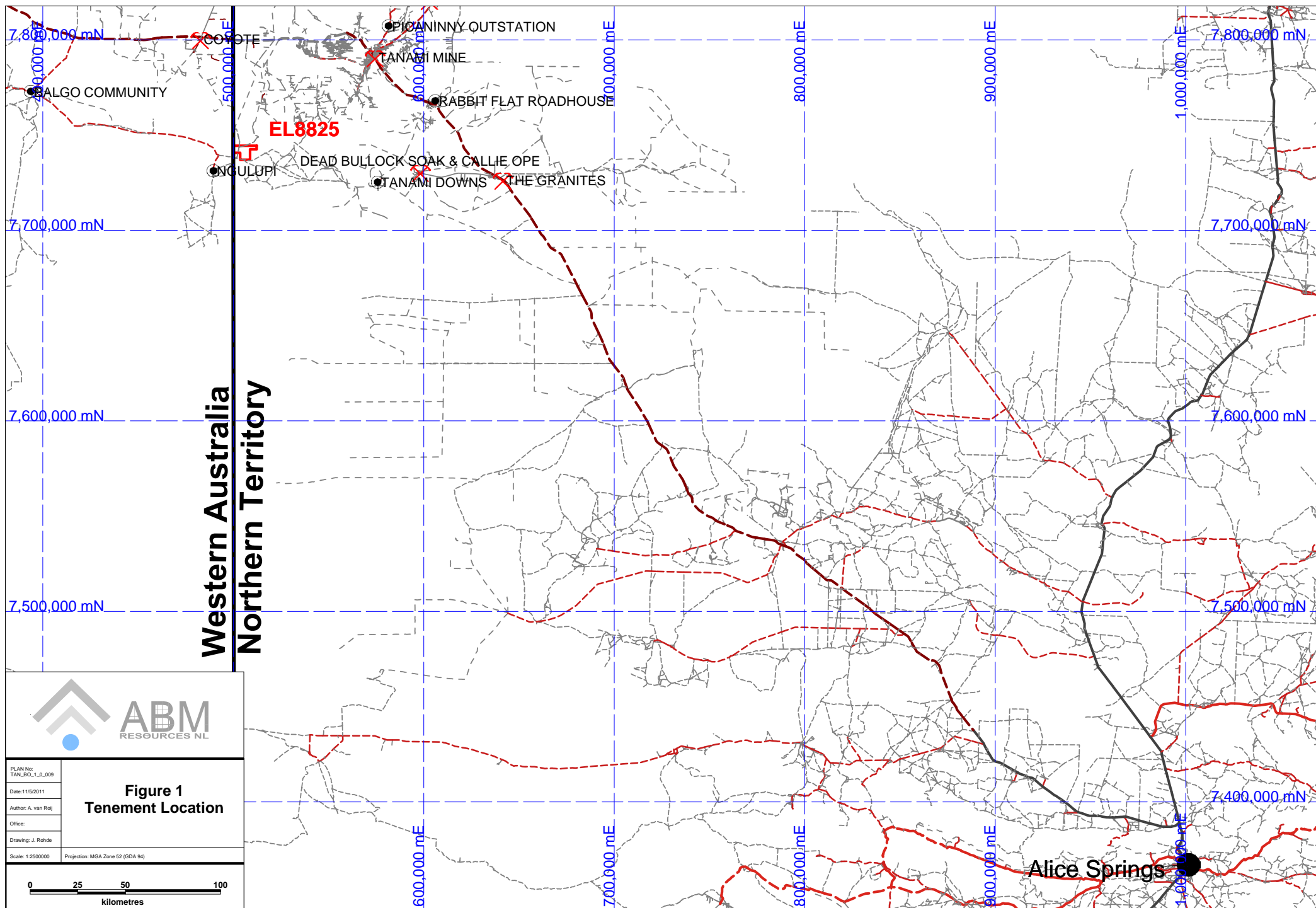
Table 1: Tenement Details


Tenement Name	Tenement No	Blocks Granted	Blocks Retained	Grant Date	Expiry Date
Lucky's Bore	EL 8825	16	16	29/04/1999	15/04/2012

4.0 REGIONAL GEOLOGY

(from Eisenlohr, M., 2010, Sewell et al, 2004)

The Granites-Tanami goldfields lie in the eastern part of the early proterozoic Granites-Tanami inlier, which is part of the northern Australian orogenic province (Plumb, 1990). The inlier abuts the Arunta complex to the south and east, and is likely a continuation of the Halls Creek orogen in Western Australia (Hendricks et al., 2000). It underlies younger cover sequences including the paleozoic Wiso basin on its northeastern margin, and the Victoria river basin to the north. To the west, clastic sediments of the middle proterozoic Birrindudu basin overlie and separate the inlier from similarly-aged rocks of the Halls Creek province.





ABM
RESOURCES NL

PLAN No:
TAN_BO_1_0_009

Date: 11/5/2011

Author: A. van Roij

Office:

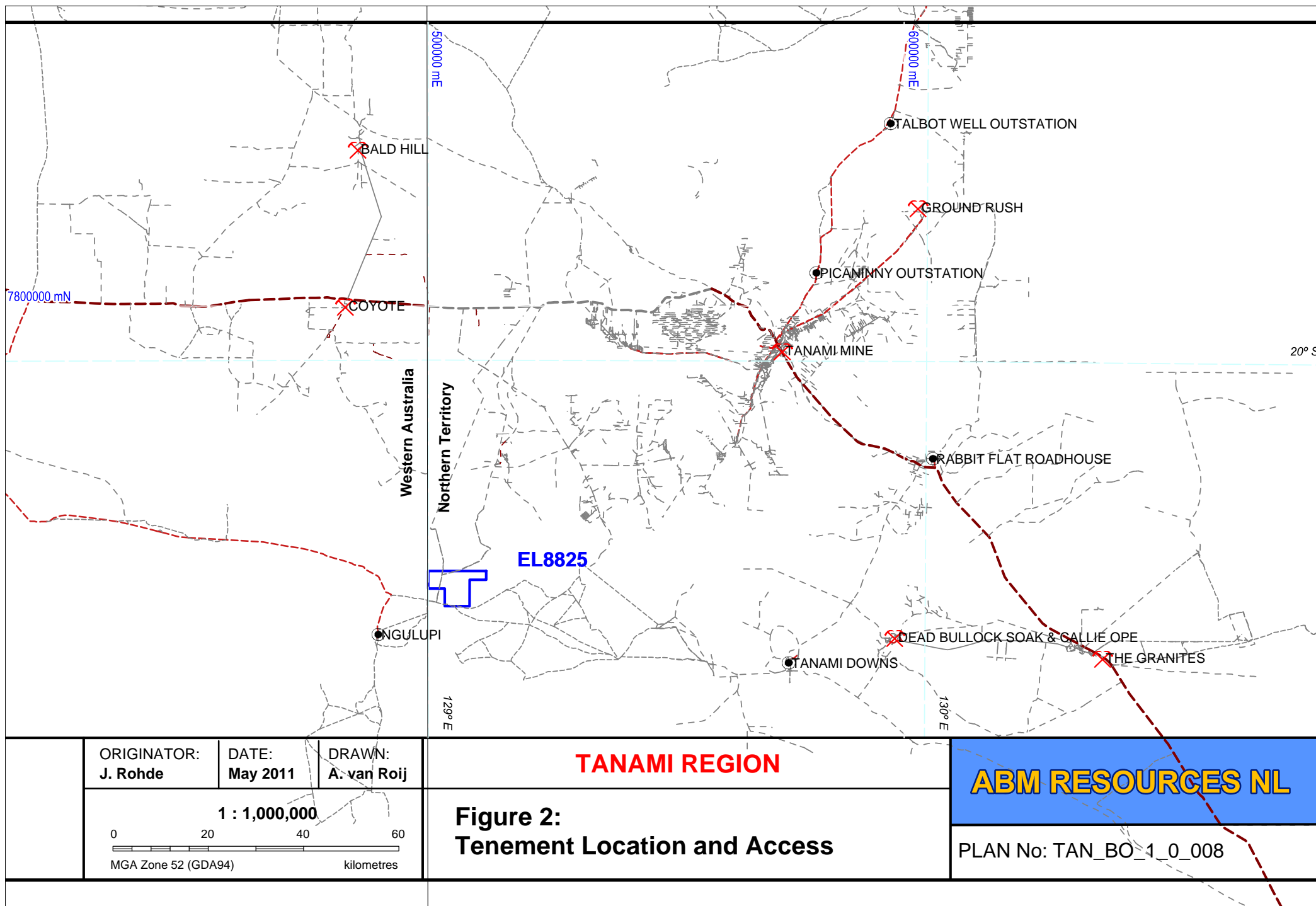
Drawing: J. Rohde

Scale: 1:2500000

Projection: MGA Zone 52 (GDA 84)

Figure 1
Tenement Location

0 25 50 100
kilometres



The oldest rocks of the Tanami region belong to the Billabong complex; a suite of Archaen-age gneiss and schist. These are unconformably overlain by the Proterozoic McFarlane peak group, followed by a thick succession of clastic sediments of the Tanami group (Hendricks et al., 2000). A suite of syn to post-deformation dolerites and gabbros are found intruding both the McFarlane peak and Tanami groups.

Complex polyphase deformation during the Barramundi orogeny (1845-1840 Ma) has affected the entire inlier. It appears to have been largely controlled by two sets of regional-scale fractures trending NNE and WNW, evidenced by the orientation of successive phases of macroscopic folding in the region and the consistent sympathetic trends of late tectonic faults.

Peak metamorphism during the Barramundi orogeny reached amphibolite facies (Granites gold mine), but is more generally greenschist facies through the inlier (Callie gold mine). Contact metamorphic aureoles – commonly identified in pelitic schist units by randomly-oriented andalusite porphyroblasts – are well-developed at the margins of the granite plutons.

Localised extension followed, forming small basins that filled with shallow marine sediments to the west (Parguee sandstone) and pillow basalts and turbiditic sediments to the east (Mt. Charles formation).

After a period of extension, widespread granite intrusion and vulcanism followed from 1830 – 1810 Ma. At least three granitic intrusive suites and two volcanic complexes are present. The last intrusion of undeformed granite occurred circa 1800 – 1795 Ma, with the intrusion of the Granites suite (Hendricks et al., 2000).

Residual hills of folded sandstone unconformably overlie early the Proterozoic rocks. Antrim plateau flood basalts are also preserved as platform cover in areas protected from erosional stripping.

Tertiary drainage channels – now generally filled with alluvial and lacustrine clays and calcretes – are a major feature of the region. Some drainage profiles are 10 km wide, and greater than 100 deep.

A desert terrain comprising transported and residual colluvial cover sediments and Aeolian sand blanket a large portion of the inlier, with an estimated outcrop exposure of less than 10%. Gold mineralisation within the holding is dominantly hosted by the Tanami group, a sequence of fine to medium grained turbiditic metagreywackes, pelites, carbonaceous siltstone, schist, banded iron, chert, and calcsilicates (Hendricks et al., 2000). Owing to their more resistant nature only the cherts, iron formations, and associated graphitic schist tend to outcrop above the sand plain. The pillow basalts and sediments of the Mt. Charles formation at the Tanami mine also hosts significant gold mineralisation.

5.0 PREVIOUS EXPLORATION

No ATH information about the exploration activities was available for the period from 29/04/1999 – 15/04/2008 at the time of writing this report.

No field exploration was carried out during the period from 16/04/2008 – 15/04/2009.

No field exploration was carried out during the period from 16/04/2009 – 15/04/2010.

Two previous annual reports are mentioned in the bibliography.

6.0 EXPLORATION COMPLETED

No field exploration was carried out during the reporting period. ABM reviewed existing data and acquired GEOEye satellite imagery to locate outcrop, create interpreted geological maps and to identify future drill sides (**Plate 1**).

7.0 BIBLIOGRAPHY

Blake, D., Hodgson, I.M., and Muhling, P.C., 1979. Geology of the Granites-Tanami Region, Northern Territory and Western Australia, Bureau of Mineral Resources, Geology and Geophysics, Australia, Bull. 197

Blake, D.H., Stewart, A.J., Sweet, I.P., & Hone, I.G., 1987. Geology of the Proterozoic Davenport Province, Central Australia. Bureau of Mineral Resources, Geology and Geophysics, Australia, Bull. 226.

Dean, A., 2001. Igneous rocks of the Tanami Region. Northern Territory Geological Survey, Record 2001-003.

Eisenlohr, M., 2010; Annual Report for EL8825 – Lucky's Bore for the period 03/02/2008 to 02/02/2009. Australian Tenement Holdings Pty. Ltd / Newmont CR34185

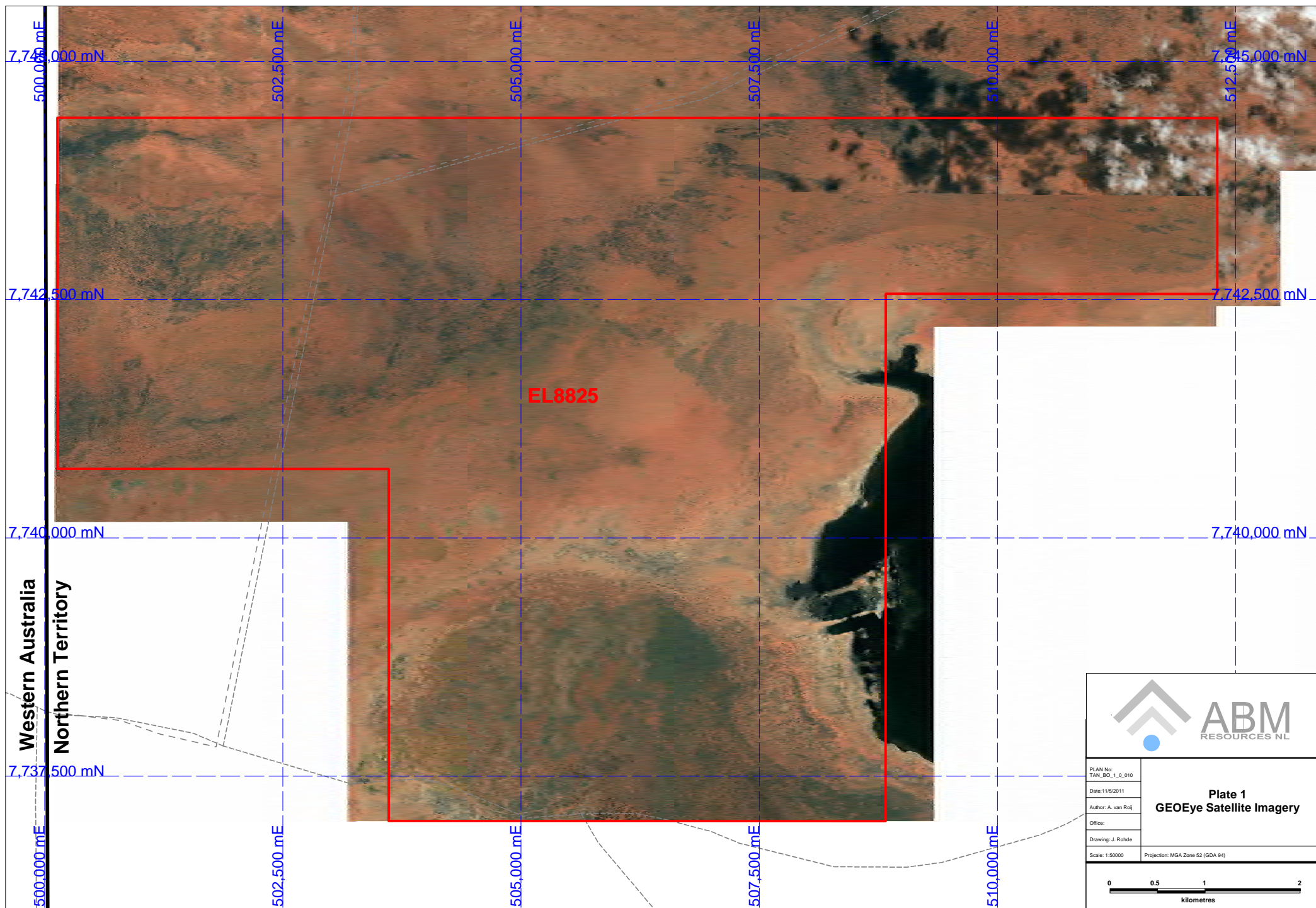
Hendricks M.A., Slater K.R., Crispe A.J., Dean A.A., Vandenberg L.C., and Smith J.B., 2000. Palaeoproterozoic stratigraphy of the Tanami Region: regional correlations and relation to mineralisation – preliminary results. Northern Territory Geological Survey. Geological Survey Record GS 2000-13.

Hodgson, C.J., 1975. Tanami Northern Territory, 1:250,000 Geological Series: Explanatory Notes.

Plumb, K.A. 1990. Halls Creek Province and The Granites-Tanami Inlier – regional geology and mineralisation, in Geology of the Mineral Deposits of Australia and Papua New Guinea (Ed F.E. Hughes) pp 681-695 (The Australasian Institute of Mining and Metallurgy: Melbourne).

Smillie, P., 2010. Annual Report EL 8825 Lucky's Bore 16/04/2009 – 15/04/2010, Nil Work Report. Unpublished report by ABM Resources NL.

Sewell et al, 2004.



Western Australia
Northern Territory

EL8825



PLAN No: TAN_BO_1_0_010	Plate 1 GEOEye Satellite Imagery
Date: 11/5/2011	
Author: A. van Rooij	
Office:	
Drawing: J. Rohde	Projection: MGA Zone 52 (GDA 94)
Scale: 1:50000	

