

# NEWMONT ASIA PACIFIC

NEWMONT TANAMI PTY LTD

# ANNUAL REPORT

## ANNUAL REPORT FOR EL 9992 Blue Tongue Lizard

for the period  
**23/01/2008 to 22/01/2009**

**Pendragon**  
NORTHERN TERRITORY

Volume 1 of 1

**1:250,000 SHEET:** Tanami SE52-15

**1:100,000 SHEET:** Pargee 4758

**AUTHOR:** M. Eisenlohr

**TENEMENT HOLDERS:** Australian Tenement Holdings Pty Ltd

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  - Newmont Asia Pacific
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  - Central Land Council

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## **SUMMARY**

This is the annual report on EL 9992 for the period 23 January 2008 to 22 January 2009.

No field exploration was carried out over the area.

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## 1. INTRODUCTION

EL 9992 – Blue Tongue Lizard – was granted on the 6<sup>th</sup> July 1998 and was part of the Pendragon Deed for Exploration between the Central Desert Joint Venture (CDJV) - Otter Gold Pty Ltd and AngloGold Ashanti Australia Limited - and the Central Land Council (CLC).

This report is the annual report on exploration carried out on the tenement for the period 23 January 2008 to 22 January 2009.

## 2. TENEMENT DETAILS

Tenement details are listed in Table 1:

**Table 1: Tenement Summary for EL 9992**

Licence	Status	Grant Date	Area/Blocks	Holder
EL 9992	Granted	06/07/1998	16	Australian Tenement Holdings Pty Ltd

## 3. LOCATION AND ACCESS

EL 9992 formed part of the Pendragon Project formerly held by the Central Desert Joint Venture (Otter Gold and AngloGold Ashanti Australia).

It is located on the Tanami (SE52-15) 1:250 000 map sheet (Pargee 4758), approximately 650 km northwest of Alice Springs and 30km west of the Tanami Gold Mine. Access is by air or via the Tanami Highway and a network of pre-existing and newly formed tracks.

## 4. GEOLOGY

The oldest exposed basement in Central Australia comprises metamorphic and igneous rocks of the Arunta Inlier (Haines et al., 1991). Rocks of the Arunta Inlier are interpreted as being at least partly correlative with sedimentary and volcanic sequences of the adjacent Tennant Creek and Granites-Tanami Inliers.

The Arunta Inlier (Early-Middle Proterozoic) is characterised by metamorphosed sedimentary and igneous rocks of low to medium pressure facies. Deformation and regional metamorphism to upper greenschist facies took place between 1810-1750 Ma (Black, 1981). Shaw and Stewart (1975) established three broad stratigraphic

subdivisions based on facies assemblages and lithological correlations. From oldest to youngest, these subdivisions are named Division 1, 2 and 3. Using this model defined by Shaw and Stewart (1975), the orthogneiss east of Osborne Range, the calc-silicate rocks west of Crawford Range and the Bullion Schist would be included in Division 2, and the Ledan Schist in Division 3 of the Arunta Inlier.

Unconformably overlying these rocks are the Hatches Creek Group sedimentary and volcanic units. Blake et al. (1987) formally subdivided the Group into the Ooradidgee, Wauchope and Hanlon Subgroups, comprising a total of 20 Formations and two Members. The Hatches Creek Group is a folded sequence of shallow-water sediments with interbedded volcanic units which reach thicknesses of at least 10,000 metres.

The sedimentary rocks include ridge-forming quartzites, felspathic, lithic and minor conglomeratic arenites and friable arenite, siltstone, shale and carbonate. The Ooradidgee Subgroup consists mainly of fluvial sedimentary and sub-aerial volcanic rocks which partly interfinger. The Wauchope Subgroup is characterised by large volumes of volcanic and sedimentary sequences probably both marine and fluvial in origin. The Hanlon Subgroup may be entirely marine and lacks volcanic rocks (Blake et al., 1987).

Deformation and regional metamorphism took place between 1810-1750 Ma (Black, 1981). Folding was about NW trending axes while metamorphism to upper greenschist facies took place. Later intrusion of both the Arunta basement and the Hatches Creek Group by granitoids of the Barrow Creek Granitic Complex took place around 1660 Ma (Blake et al., 1987). Contact metamorphism and metasomatism are often observed.

Sedimentation associated with the Georgina Basin commenced during the Late Proterozoic with the Amesbury Quartzite and was terminated during the Early Devonian after deposition of the Dulcie Sandstone. The Georgina Basin sequence was mildly affected by the Carboniferous Alice Springs Orogeny.

A long erosional period followed with subsequent deep weathering during the Tertiary produced silcrete and ferricrete horizons. A veneer of Quaternary sands and soils overlays much of the area, except where recent and active alluvial sedimentation is present.

#### **4.1 Local Geology**

Approximately 60% of the tenement is covered by Aeolian sand, which overlies areas of deep transported cover such as a coarse grained , quartz rich sand over the Coomarie Granite to depths of over 20m.

Pisolitic gravels at surface are a good indicator of shallow transported cover, as are lithic gravels and quartz float. Pisolitic gravels comprise 25-30% of the tenement area. Quartz and lithic dominated gravels make up approximately 5% of the area.

The remainder consists of transported clays, sand, calcrete/silcrete and minor outcrop.

## 5. PREVIOUS EXPLORATION

In 1998 – 1999 exploration comprised regional surface and posthole geochemical sampling with local angle RAB and RC follow up of anomalies generated.

Work during 1999 – 2000 field season comprised infill surface and posthole geochemical sampling with local angle RAB and RC follow up of anomalies generated.

2000 – 2001 Regional and infill surface sampling and posthole sampling continued. No significant results were returned from either program.

2001 to 2002 work programs were put on hold within this area due to the reduction of staff and the turmoil of potential takeovers and takeovers. Fourth year work involved remote discrimination of targets using the enhanced geophysical technique multiscale edge analysis (worming) process as developed by Fractal Graphics over the Tanami Region.

During the 2002 – 2003 field season a number of lag samples were taken within EL 9992 with a best result of 11.4ppb Au..

During 2003 - 2004 work within the Pendragon group of Licences concentrated on interpretation and mapping as part of preparation for a new structural interpretation of the Tanami region by 'RSG' (Brett Davies) – as part of a major strategic review of the Tanami Region. Data review and interpretation continued.

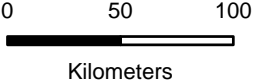
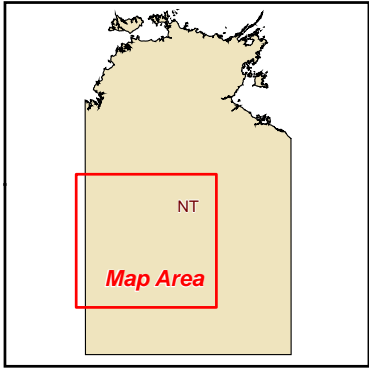
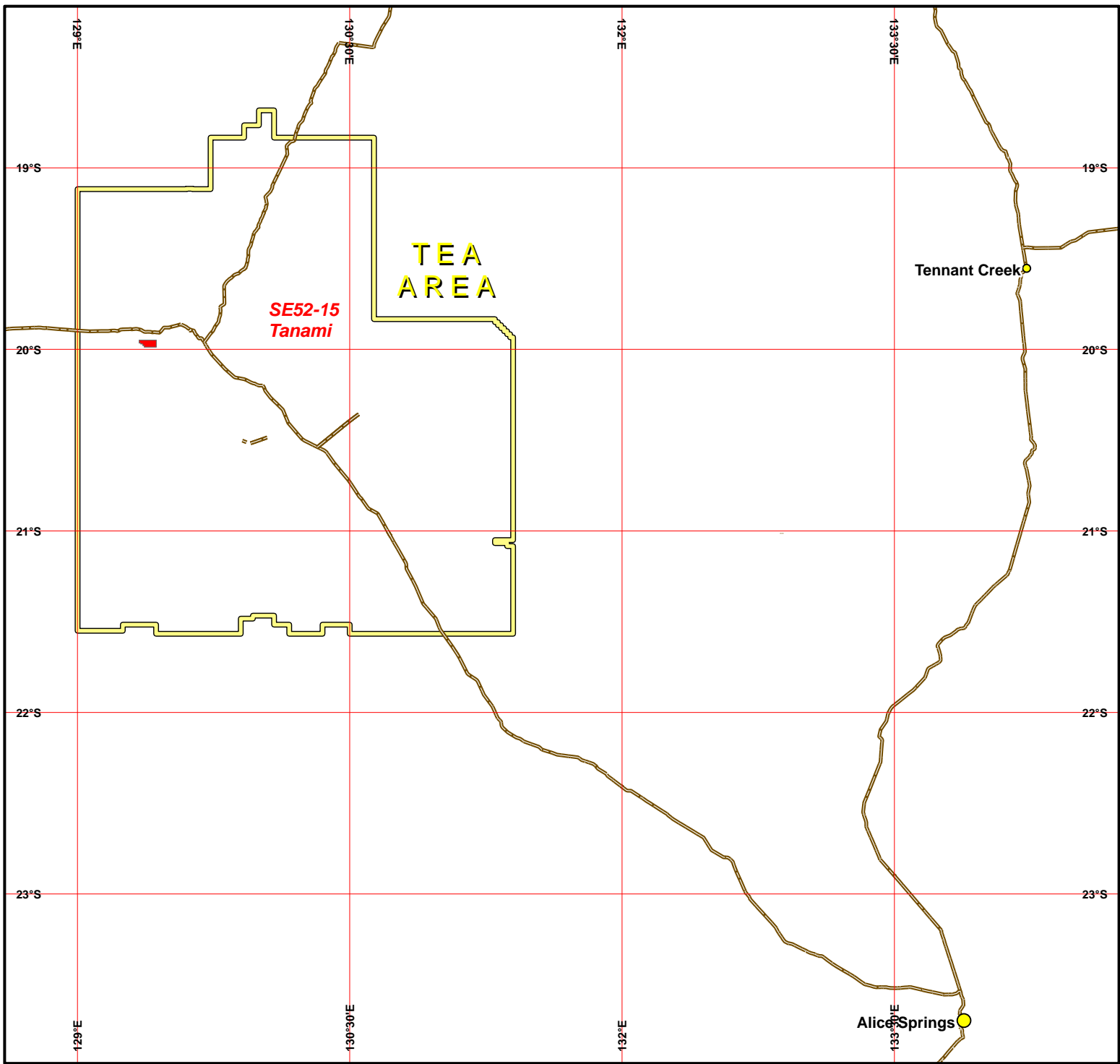
2004 – 2005 Review of currently available data and interpretation continued for the preparation of information for the 2005 - 06 budget. No work was completed within this Lease other than preparation for the Pendragon structural study and target generation.

No work was carried out from 2005 to 2007.

## 6. EXPLORATION DURING THE PERIOD 23 January 2008 TO 22 January 2009

No field exploration has been carried out over the tenement area as Newmont is compiling a saleable tenement package and is anticipating the divestment of the ATH exploration tenements in the near future subject to an improvement in market conditions.

### Figure 1 Tenement Location



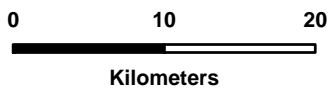
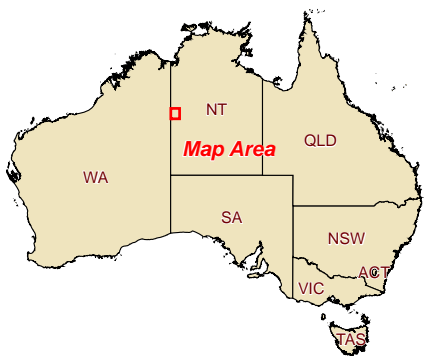
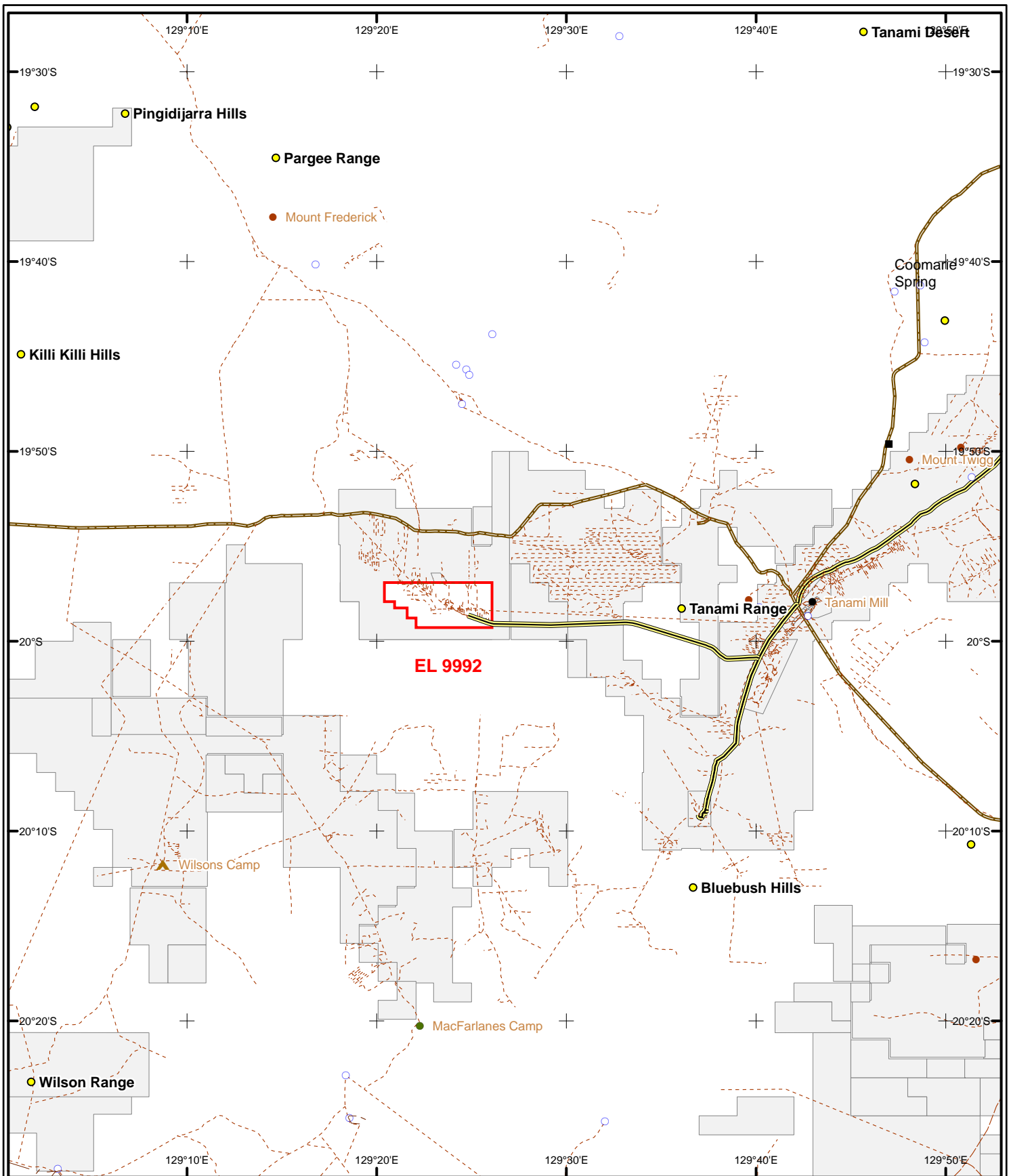
 **NEWMONT EXPLORATION PTY LTD**

**Tanami Project**

**EL 9992**

**TENEMENT LOCATION**

Author: M. Eisenlohr	Scale: 1:3 500 000
Drawn: V. Preedy	Date: 5/2/2009
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**NEWMONT** **NEWMONT EXPLORATION PTY LTD**

**Tanami Project**

**EL 9992**

**LOCATION AND ACCESS**

Author: M. Eisenlohr

Scale: 1:500 000

Drawn: V. Preedy

Date: 5/2/2009

File: TAN\_Lnd\_Ten\_A4\_EL9992Access.mxd Projection: Lat/Long (GDA 94)  
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**Figure 2 Access****7. REFERENCE LIST**

Blake D.H., Hodgson I.M. and Smith P.A., 1975. Geology of the Birrindudu and Tanami 1:250,000 Sheet Areas, Northern Territory. Report 174, Bureau of Mineral Resources, Geology and Geophysics, pp. 54.

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.

Burgess H., and Mohammed I., 1999. Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 1999. Otter Gold NL NTDME Annual Report.

Burgess H., and Mohammed I., 2000. Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 2000. Otter Gold NL NTDME Annual Report.

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

Hendrickx 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.

Muir M., 2001. 3rd Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 2001. Otter Gold NL NTDME Annual Report.

Muir M., 2002. 4th Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 2002. Otter Gold NL NTDME Annual Report.

Muir M., 2003. 5th Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 2003. Otter Gold NL NTDME Annual Report.

Muir M., 2004. 6th Annual Report for ELs 8012, 9477, 9759, 9992 and SEL 10188 – Year ending 5th July 2004. Otter Gold NL NTDME Annual Report.

Muir M., 2005 Sixth annual report for EL's 8012 9477 9759 9992 and SEL 10188 6 July 2003 to 5 July 2004 Otter Gold NL CR31492

Muir M., 2006 Seventh annual report for EL's 8012 9477 9759 9992 and SEL 10188 6 July 2004 to 5 July 2005 Otter Gold NL CR31922

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).

Shaw, R.D., Stewart, A.J., & Black, L.P., 1984. The Arunta Inlier: A complex Ensiatic Mobile Belt in Central Australia. Part 2: Tectonic History. *Australian Journal of Earth Science*, 31, pp 457-484.