

**TITLE:** FINAL REPORT FOR EXPLORATION LICENCE 9666

**PERIOD:** 11 NOVEMBER 1996 TO 30 NOVEMBER 1999

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**LOCATION:** KULGERA 1:250,000 Map sheet SG 53-05

**COMMODITY:** GOLD

**DATE:** 10 FEBRUARY 2000

**KEYWORDS:** BOUGER, GAWLER CRATON, KULGERA, MUSGRAVE  
BLOCK, SENTINEL BEDS.

### ***SUMMARY***

Exploration Licence 9666 was granted to Otter Gold NL (Otter) on 11<sup>th</sup> November 1996 for a period of six years. At the completion of the third term Otter opted to surrender the licence.

Exploration work undertaken during the life of the licence comprised regional surface and posthole geochemical sampling. A total of 41 Rock chips, 43 soil samples and 103 postholes. Low-level results of 4 and 5 ppb Au were returned.

Total Expenditure on Exploration Licence 9666 for the period from 11<sup>th</sup> November 1996 to 30<sup>th</sup> November 1999 was \$30,938.

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## 1. INTRODUCTION

Exploration Licence (EL) 9666 was granted to Otter Gold NL on 11 November 1996 for a period of six years. The area is located approximately 100km west of Kulgera and lies some 750 km south of Otter's existing operations (Figure 1). EL 9666 consists of a total of 50 blocks, covering 161km<sup>2</sup> north of the Musgrave Ranges near the boundary of South Australia and the Northern Territory.

Lodgment of surrender to the Department of Mines and Energy was on 30<sup>th</sup> November 1999.

## 2. PREVIOUS EXPLORATION

A survey by Geox Pty Ltd for Nicron Resources Ltd was carried out on the eastern edge of the Kulgera 1:250,000 mapsheet. During the 1987 field season a gravity survey was carried out by the NTGS over the VICTORY and SENTINEL BORE 1: 100,000 map sheets (Simons 1987).

A brief overview of exploration conducted within EL 9666 is provided. Work undertaken during the final licence term is given in detail.

### 2.1 November 1996 to 1997

Exploration efforts focused on testing the prospectivity of the Sentinel Beds. Work undertaken during the year comprised reconnaissance mapping and surface sampling. A total of 41 soil samples, 2 stream samples and 11 rock chips were collected for analysis.

Total Expenditure \$8,793.

### 2.2 November 1997 to 1998

Work undertaken during the year included three posthole traverses. A total of 103 postholes were drilled. Five of the posthole samples assayed returned low level values of 4 ppb and 5ppb Au.

The posthole drilling revealed phyllites, schists, amphibolites and granites. Outcrop was predominately Sentinel Beds quartzite.

Total Expenditure \$20,956.

## Figure 1 Tenement Location

### 3. FINAL YEAR EXPLORATION ACTIVITIES

Otter's exploration efforts have been, and remain, largely focused on advanced project areas to deliver a resource inventory sufficient to maintain economic mining operations. Consequently, the Tanami Operations continue to be the primary focus for our exploration efforts.

During the final year the validity of the regional structural concept that led to acquisition of the ground, was re-examined and it was decided that there was insufficient near-term potential for significant mineralisation.

During the licence period from November 1998 to November 1999 Otter did not implement any field programs.

### 4. EXPENDITURE

Total expenditure on EL 9666 during the period 11<sup>th</sup> November 1998 to 30<sup>th</sup> November 1999 is summarised together with that for the life of the tenement (11<sup>th</sup> November 1996 to 10<sup>th</sup> November 1998) in Table 1.

**TABLE 1: EL 9666 EXPENDITURE SUMMARY**

<b>CATEGORY</b>	<b>NOV 1996 - NOV 1997</b>	<b>NOV 1997 – NOV 1998</b>	<b>NOV 1998 - NOV 1999</b>
Geology	\$ 4,900	\$ 5,848	\$ 933
Geochemistry	\$ 350	\$ 700	
Geophysics	\$ 700		
Drilling		\$ 8,680	
Survey	\$ 200		
Assays	\$ 963	\$ 1,634	
Administration	\$ 1,080	\$ 2,854	\$ 256
Field Logistics	\$ 600	\$ 1,240	
<b>TOTAL</b>	<b>\$ 8,793</b>	<b>\$ 20,956</b>	<b>\$ 1,189</b>

## 5. REFERENCES

**Scriven N, 1997** Annual Report for EL 9666 for year ending 10<sup>th</sup> November 1997 Otter Gold NL  
NTDME Annual Report

**Scriven N, 1998** Annual Report for EL 9666 for year ending 10<sup>th</sup> November 1998 Otter Gold NL  
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**Simons B, 1987** Victory – Sentinel bore Gravity Survey. Northern Territory Geological Survey Report  
NTGS 1987/13, NTDME