



# FINAL REPORT

**Exploration Licence 26080  
Jervois region  
Northern Territory**

**November 2008**

**MATILDA MINERALS LTD**  
ABN 31 103 651 538

*PO Box 124, West Perth WA 6872  
Phone: (08) 9481 1444  
Facsimile: (08) 9322 1466  
**[www.matildaminerals.com](http://www.matildaminerals.com)***

**Distribution:**

- Geoscience Information, Northern Territory Geological Survey, Department of Primary Industry, Fisheries & Mines, N.T.
- Matilda Minerals Ltd
- Austwide Mining Title Management Pty Ltd

## **TABLE OF CONTENTS**

	<b>Page Number</b>
<b>1. SUMMARY</b>	<b>3</b>
<b>2. INTRODUCTION</b>	<b>3</b>
<b>3. TENURE</b>	<b>5</b>
<b>4. GEOLOGY</b>	<b>7</b>
<b>5. EXPLORATION</b>	<b>9</b>

## **LIST OF FIGURES**

<b>Figure 1 - EL26080 location</b>	<b>4</b>
<b>Figure 2 - EL26080 - Jervois</b>	<b>5</b>
<b>Figure 3 –EL26080 blocks</b>	<b>6</b>
<b>Figure 4 - Northern Territory Geology showing areas of uranium potential (after NTGS)</b>	<b>8</b>

## **1. SUMMARY**

This is the Final Report for EL26080.

Since its grant, Matilda has been attempting to farm-out EL26080 but has been unsuccessful. This along with the October 2008 world financial crisis has resulted in Matilda surrendering the EL.

No on-ground exploration or any ground disturbing work of any nature was carried out during the term of the EL by Matilda Minerals Limited or its agents.

## **2. INTRODUCTION**

Matilda Minerals Ltd ("Matilda") was admitted to the Australian Stock Exchange on 15 September 2004. Matilda owns and operates the Andranangoo mineral sand mine on Melville Island in the Northern Territory. The mine started production in November 2006 and produces a heavy mineral concentrate comprising approximately 50% zircon, 25% rutile + other valuable heavy minerals for export directly to China. Until recently Matilda has specialised in mineral sands exploration and development using state-of-the-art exploration and production techniques. Matilda's mineral sand interests are on the Tiwi Islands, the Top End of Northern Territory, Cape York in Queensland, Broome in Western Australia, and Narrabri in New South Wales. Matilda started to diversify its portfolio with the search for other commodities in Northern Territory and Western Australia and applied for a number of ELs prospective for uranium.

The EL is located in the Jervois region approximately 244km NE-ESE of Alice Springs on the Huckitta 1:250,000 map [SF53-11] (see figures 1 and 2).

The EL was granted on 22<sup>nd</sup> January 2008 and comprises 75 blocks, an area of approximately 237.2 sq km.

The EL is situated on Jervois Pastoral Lease – NT portion 366. The area over which EL26080 has been granted is subject to an Aboriginal land claim.

No details of registered and recorded sites have been sought from the Aboriginal Areas Protection Authority ("AAPA").

The exploration rationale for EL26080 is based on its location in the eastern Arunta, an area of high prospectivity for a variety of minerals including Cu-Ag-Pb-Zn deposits, W-Mo vein deposits, Sn-Ta-W vein deposits and uranium (see figure 4).

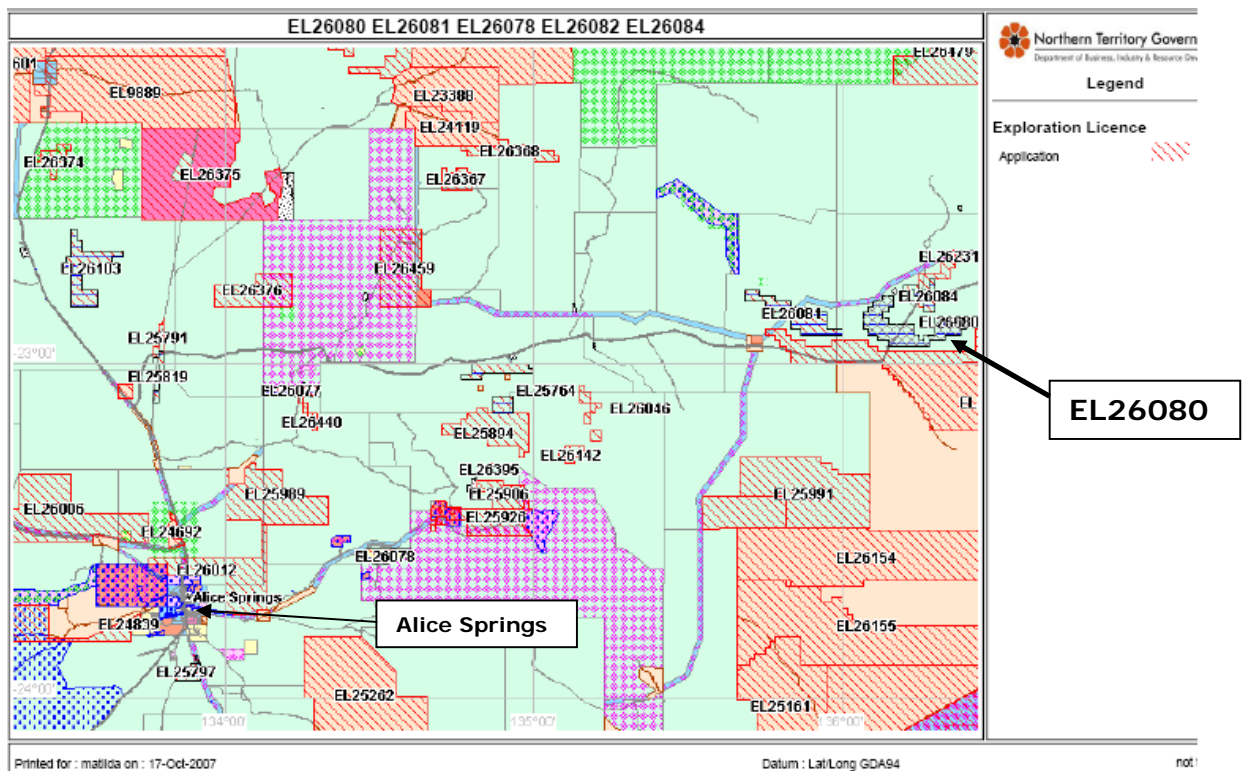


Figure 1 - EL26080 location

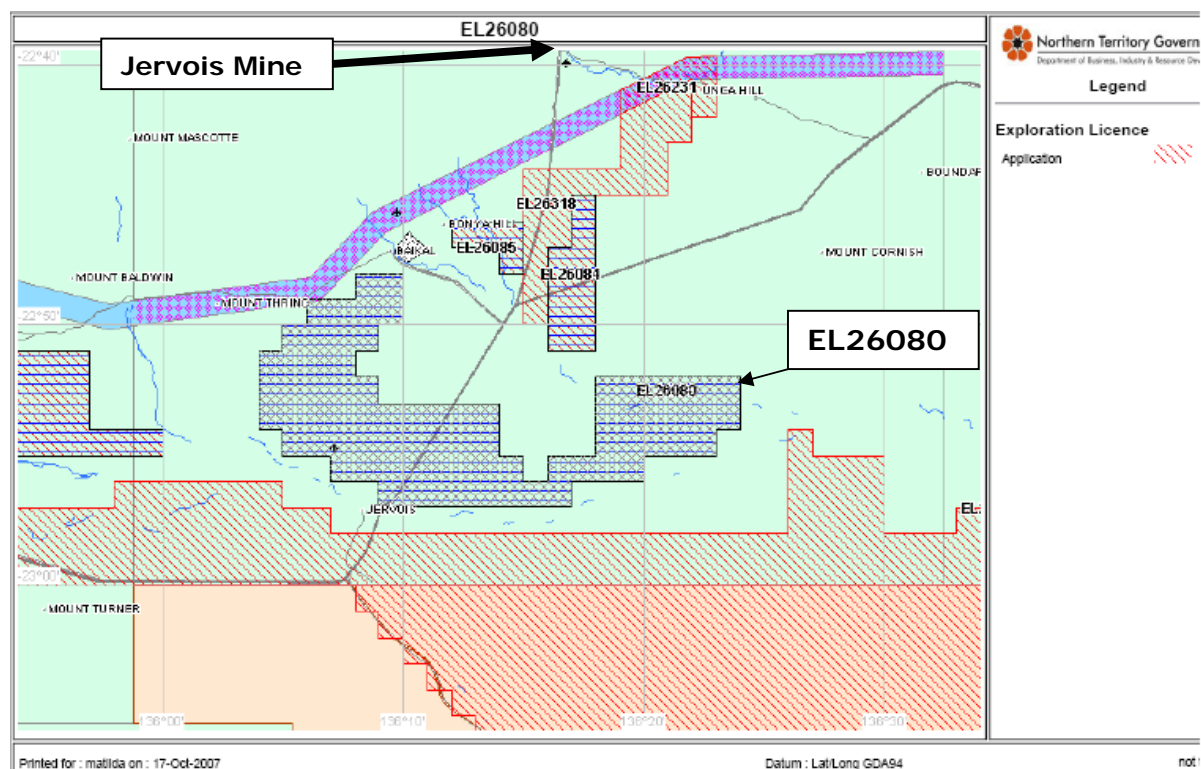
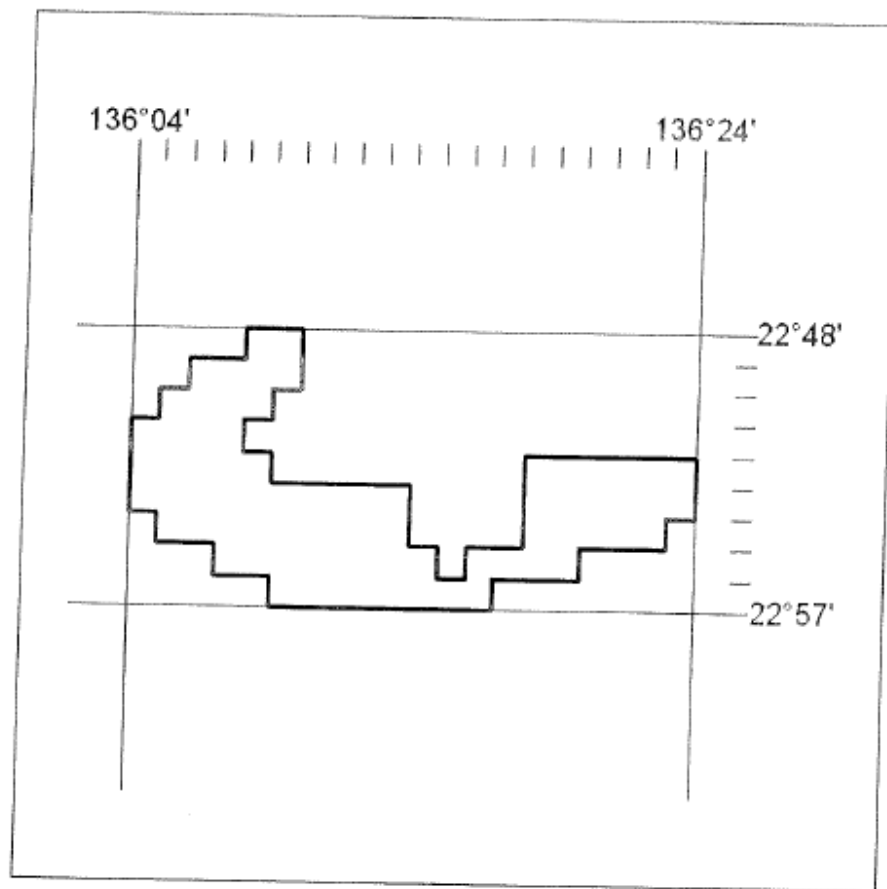


Figure 2 - EL26080 - Jervois

### 3. TENURE

EL #	Date granted	Blocks	Area Sq Km (approx)	Expenditure commitment
26080	22/01/2008	75	237.20	\$25,500



**EL26080**  
75 Blocks  
237.20 sq kms

**Figure 3 –EL26080 blocks**

## **4. GEOLOGY**

EL26080 occurs in the eastern part of the Arunta Orogenic Domain, a sequence of predominantly metamorphosed sediments now represented by a series of mica-aluminium silicate rich schists and gneisses, cut by a complex network of regional and local scale EW and NW–SE anastomosing faults.

In the Jervois area, EL26080 is predominantly underlain by unnamed metamorphic, assigned to the Strangeways Metamorphic Complex (Huckitta 1:250,000 explanatory notes, NTGS 1986). These metamorphic occur as isolated outcrops surrounded by extensive soil and sand-covered plains. The dominant rock type is quartzo-feldspathic gneiss and commonly grades into biotite-rich gneiss. Migmatite occurs in both rock types. Feldspathic quartzite and schistose, mica-bearing quartzite are also present and frequently contain tourmaline. Other rock types include biotite schist, layered magnetite-quartz rock, calc-silicate rocks, and megacrystic granitic gneiss. The rocks are intruded by several plugs of unnamed granite.

Schistose biotite-garnet gneiss, sillimanite gneiss, amphibolite, and biotite gneiss of the "Iridina Gneiss" also occur in the area.

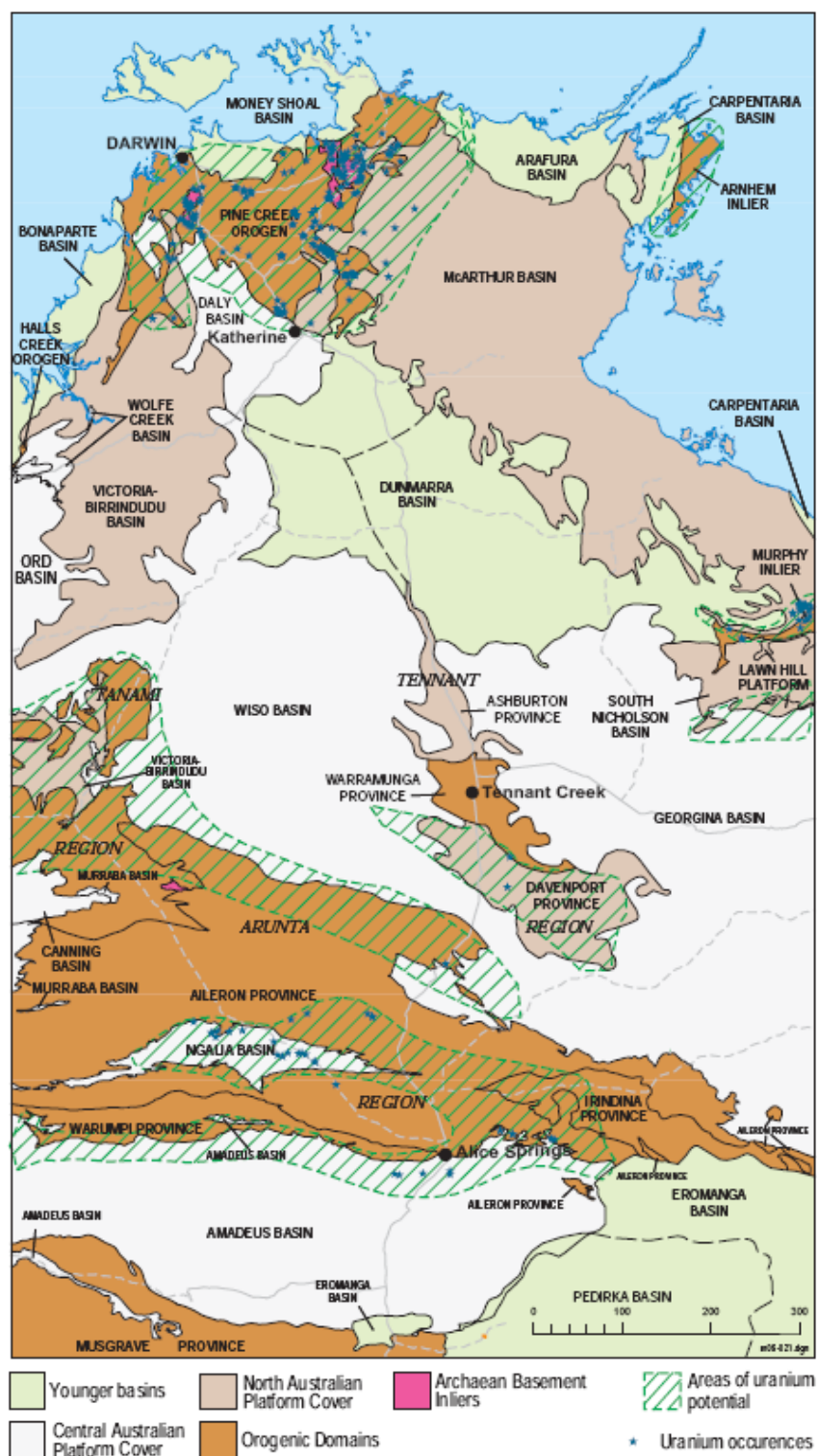


Figure 46. Uranium occurrences and areas with potential for uranium in the Northern Territory, (from M Ahmad, NTGS, unpublished data).

**Figure 4 - Northern Territory Geology showing areas of uranium potential (after NTGS)**



## **5. EXPLORATION**

No on-ground exploration or any ground disturbing work of any nature was carried out during the term of EL26080 by Matilda Minerals Limited or its agents.

This EL was granted in January 2008 and for the past 10 months Matilda has attempted to farm-out the tenement but, despite some interest from several companies, was unable to secure a deal. Exploration was planned to commence during the 2008 dry season, however due to the on-going discussions with potential joint venture partners this did not happen.

