

# ASX ANNOUNCEMENT



31 January 2012

[www.eclipseuranium.com.au](http://www.eclipseuranium.com.au)

Manager of Company Announcements  
ASX Limited

By E-Lodgement

## **Quarterly Activities Report and Appendix 5B for the Period Ended 31 December 2011**

Please find attached the Quarterly Activities Report and Appendix 5B for the period ended 31 December 2011.

Yours faithfully

Eclipse Uranium Limited  
Mark Fogarty  
**Managing Director**

### **BOARD**

Mark Fogarty  
Managing Director

Graeme Allen  
Chairman

David Sanders  
Non-Executive Director

Emilio Pietro Del Fante  
Non-Executive Director

### **COMPANY SECRETARY**

Robert Marusco

### **REGISTERED OFFICE AND PRINCIPAL PLACE OF BUSINESS**

309 Pier Street  
Perth WA 6000

### **COMMUNICATION DETAILS**

Telephone: +61 8 9200 4963  
Facsimile: +61 8 92004964

### **AUSTRALIAN BUSINESS NUMBER**

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### **SHARE REGISTRY**

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770 Canning Highway  
Applecross WA 6153

### **ASX CODE**

EUL

## Highlights

### Corporate

- Eclipse has completed the acquisition of Central Energy Pty. Ltd. This has increased the company land holding by 17,428km<sup>2</sup> in the form of 5 granted exploration licences and 22 exploration licence applications.
- Mr David Sanders was appointed as Non- Executive Director of Eclipse Uranium Limited.
- Mr Graeme Allan was appointed as Director and Chairman of Eclipse Uranium Limited.
- Robert Marusco was appointed as Company Secretary for Eclipse Uranium Limited
- Eclipse has acquired 5,000,000 shares in Klondyke Gold Ltd.

### Exploration

- Final Data for the Tempest AEM Program, at the Eclipse Project, completed in September 2011 has now been received and is currently being processed.
- Eclipse has commissioned the Aboriginal Areas Protection Authority to commence works to clear the three granted tenements located near to Adelaide River for upcoming field programs.
- A trip to Darwin was completed which included inspection of Diamond Core from the Pine Creek Tenements held in storage by the NT Geological Survey.

## Exploration

Eclipse Uranium holds over 26,300km<sup>2</sup> in the Northern Territory comprising of 12 granted exploration licences<sup>1</sup> and 33 exploration licence applications.

Eclipse has six main project areas:

- The Eclipse Project in the Ngalia Basin comprises of 3 granted exploration licences (1528km<sup>2</sup>) and 3 exploration licence applications (3908km<sup>2</sup>). The ground is prospective for a variety of uranium mineralisation styles and hosts the Bigrlyi Deposits (Energy Metals Ltd, ASX:EME), New Well Deposit (Deep Yellow Limited, ASX:DYL) and Afghan Swan Prospect (Thundelarra Exploration Limited, ASX:THX).
- The Pine Creek Project comprises of 9 granted exploration licences and 5 exploration licence applications which are all located within the Pine Creek Orogen Province which hosts the Rum Jungle Mineral Field.
- West Arnhem Project comprises of 7 exploration licence applications in an area known for high grade mineralisation at Nabarlek, Jabiluka and Ranger (Energy Resources Australia, ASX:ERA) within the Alligator River Uranium Field.

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<sup>1</sup> Two non-core granted tenements held by Eclipse (EL27930 & EL27701) have been returned to application status due to an administrative error associated with the grant by the NT Department of Resources.

- North Arunta Project comprises of 16 exploration licence applications which are considered prospective for uranium mineralisation but have not been historically explored. The projects are focussed in two main areas; Tanami and Yuendumu. The Tanami project is considered prospective for uranium, base metals and gold whilst Yuendumu is considered prospective for gold and base metals.
- Lake Mackay Project comprises of 1 exploration licence application (159km<sup>2</sup>) located near the Northern Territory West Australian border. The area is prospective for surface mineralisation and also sandstone mineralisation analogous to the Theseus Prospect (Toro Energy Limited, ASX:TOE).
- Canning Basin Project includes 1 exploration licence application (516km<sup>2</sup>) with an airborne radiometric target and no historical exploration

Over the last quarter Eclipse has been focusing on the Pine Creek Project and the Eclipse Project Area.

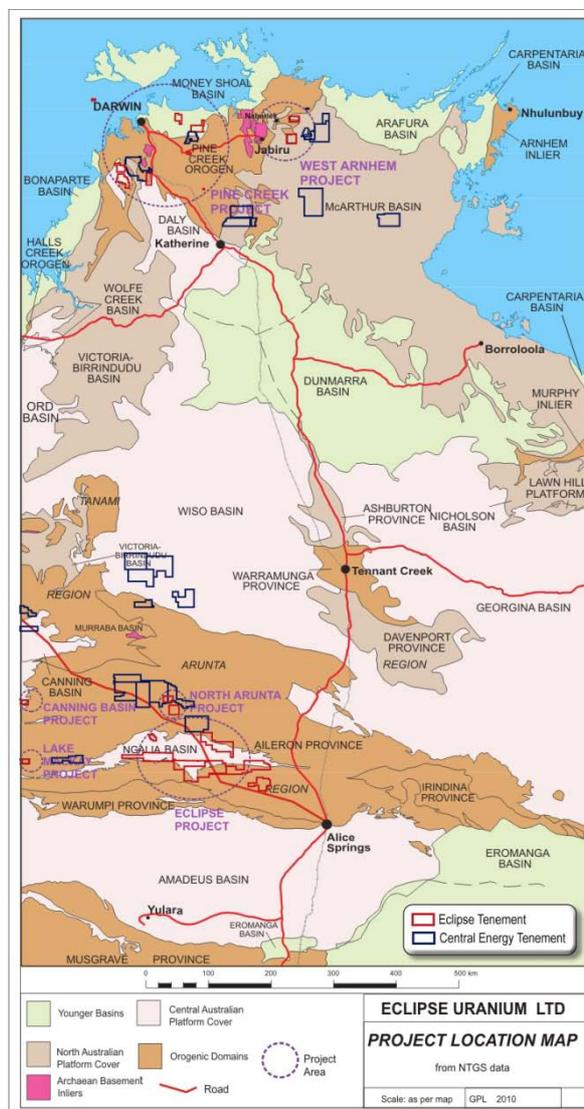
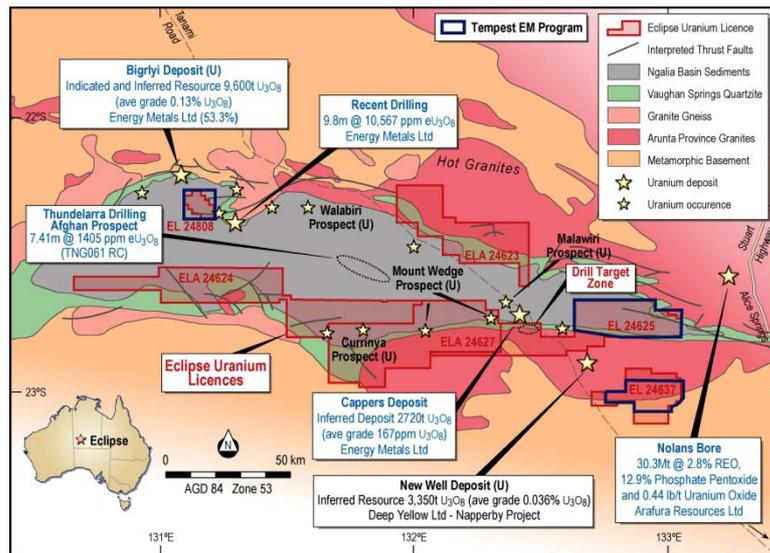


Figure 1. Eclipse Uranium Limited- Project Areas.

## Eclipse Project

The Eclipse Project is located 200km northwest from Alice Springs (Figure 2) in the Ngalia Basin. Numerous Deposits are found within this basin including Bigrlyi Deposit (Energy Metals Limited, ASX:EME), New Well Deposit (Deep Yellow Limited, ASX:DYL) and the Afghan Swan Deposit (Thundelarra Exploration limited, ASX:THX). Nolans Bore (Arafura Resources Limited, ASX:ARU) is also located just 60km from Eclipse Tenure in a similar geological setting. Within the Eclipse licences there are historically recorded mineral occurrences including Currinya and Mount Wedge prospects.



**Figure 2. Eclipse Uranium Limited- Eclipse Project and Tempest AEM Areas**

Over the past quarter Eclipse has received the data from the Tempest AEM program flown in the previous quarter. At present intensive work is being completed on the data to allow interpretation and planning of drilling programs to investigate targets identified. Preliminary interpretation of the data shows numerous conductive targets; which it is considered, may, represent both structure related conductive features as well as interpreted sedimentary targets. (See announcement dated 15/12/2011 for further details).

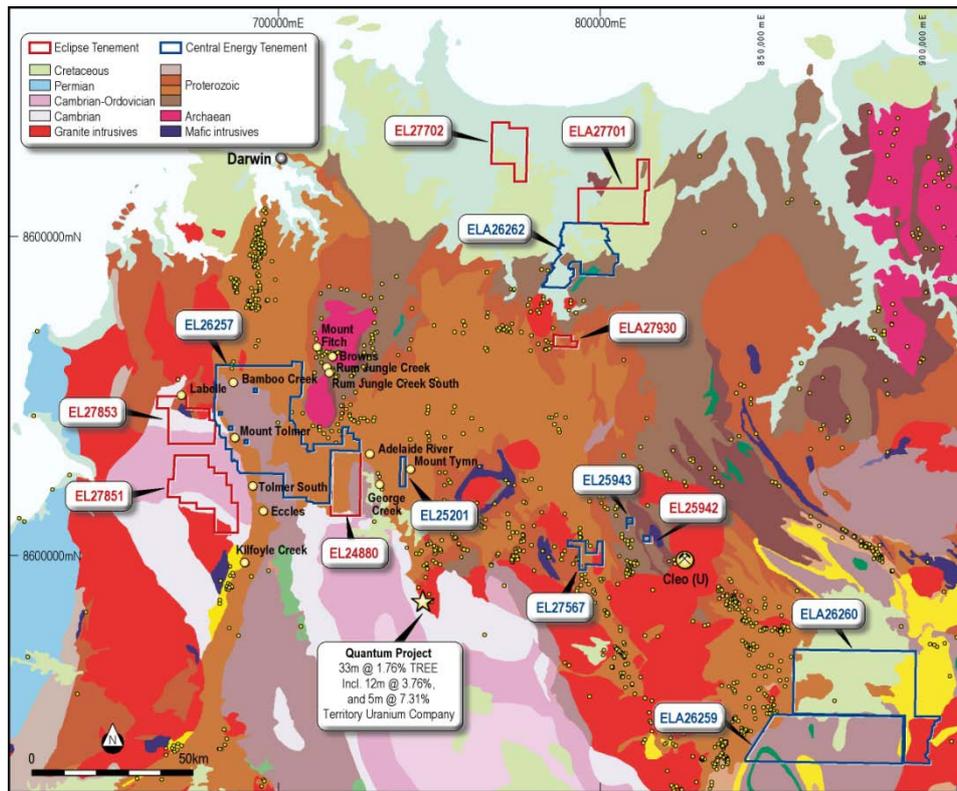
Eclipse has now received clearance from the Central Lands Council for the proposed drilling program on EL24808.

## Pine Creek Project

The Pine Creek Project area is comprised of 9 granted tenements, and 5 exploration licence applications, within the Pine Creek Orogen. The Pine Creek Orogen is one of the most prospective areas for Uranium and multi commodity mineralisation. Eclipse holds a series of tenements located near to the Rum Jungle Mineral Field as well as more regional project areas. These tenements are considered highly prospective for uranium as well as gold, base metals and REE.

Eclipse Uranium Limited has commissioned the Aboriginal Areas Protection Authority to complete a sacred site clearance on three granted licences within the Pine Creek Project. This survey will allow field works including soil sampling, rock chip sampling and drilling to commence over the coming year once clearance has been received.

A trip to Darwin was completed in October which included 2 days spent at the NT Geological Survey core yard inspecting stored diamond core holes which were from EL27853 and EL27851.



**Figure 3- Eclipse Uranium Limited- Pine Creek Project Areas**

### **Central Energy Tenement Package**

Work has commenced on the Central Energy Tenement Package including a review of all data available, acquisition of geophysical and open file data. This will all be used in expanding the regional database as well as generating and refining target areas for follow up over the coming year.

### **Lake Mackay**

The Lake Mackay project is located on the border of the Northern Territory and West Australia and approximately 500km west of Alice Springs. The project area contains a radiometric uranium anomaly in the order of 10km x 1km with the potential for calcrete hosted mineralisation (Figure 5). This project area has become increasingly interesting with the recent developments of Toro Energy Limited's (ASX:TOE) Theseus Prospect on the West Australian side of Lake Mackay which recent drilling has yielded results including 4.84m at 830ppm eU<sub>3</sub>O<sub>8</sub>.

In late September Eclipse Uranium complete a presentation to the Traditional Owners of the Land to explain their application to explore the Licence. Eclipse has received notification that the licence is to be placed in moratorium until 13 December 2016.

## CORPORATE

On the 4th January 2012 Eclipse settled the acquisition of Central Energy Pty Ltd which adds 5 granted exploration licences and 22 exploration licence applications throughout the Northern Territory. These licences complement the land package previously held by Eclipse and bring the total area held to over 26,300km<sup>2</sup>.

Mr David Sanders was announced as Non-Executive Director, on the 2nd December 2011. Mr Sanders is a principal of the law firm Bennett and Co Corporate and Commercial Law. With over 15 years' experience in corporate and resource law as well as being advisor to numerous ASX listed companies on capital raising, mergers and acquisitions, Corporations Act and ASX Listing Rules compliance and corporate governance Mr Sanders brings an excellent skills set to the Company.

Mr Graeme Allan was appointed as a director and also as Chairman of Eclipse in November 2011. Mr Allan is currently Chairman of ASX listed company Dourado Resources Limited (ASX: DUO) and is also a director of WGM Asset Management Pty Ltd and BGA Civil Pty Ltd. Mr Allan offers numerous skills to the board with his extensive managerial experience covering a 25 year career in the professional sporting industry.

Robert Marusco is a director of NKH Corporate and NKH Capital being part of the NKH Financial Services Group. With experience as a non-executive director on a range of public and private companies as well as acting as company secretary for a range of ASX listed companies in the resource and exploration sector Mr Marusco brings considerable experience to the role.

In November Eclipse completed the acquisition of 5,000,000 Klondyke Gold Ltd shares. The shares had a purchase price of \$500,000 and the board believes this investment has good potential for profitable return in the medium term. Klondyke holds a portfolio of mining and prospecting tenements covering 36km<sup>2</sup> located around Cue in the goldfields region of WA.

### **About Eclipse Uranium Limited:**

*Eclipse Uranium Limited is an Australian company with a portfolio of quality uranium tenement assets and rare earths in the highly prospective provinces of the Northern Territory. The company holds over 26,000km<sup>2</sup> of selected tenure across six separate project areas situated around key locations in the Northern Territory.*

### **Competent Persons statement:**

*The information in this report to which this statement is attached that relates to Eclipse Uranium Limited's Exploration targets and results is based on information compiled by Mr Mark Fogarty who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Fogarty is a fulltime employee of Eclipse Uranium Limited. Mr Fogarty has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration. Mr Fogarty is undertaking to qualify as Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Fogarty consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.*