



# **Exploration of Potentially Highly Prospective Uranium Tenements in Australia**

## **Investor Presentation – 2011**



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## Project Investment Highlights

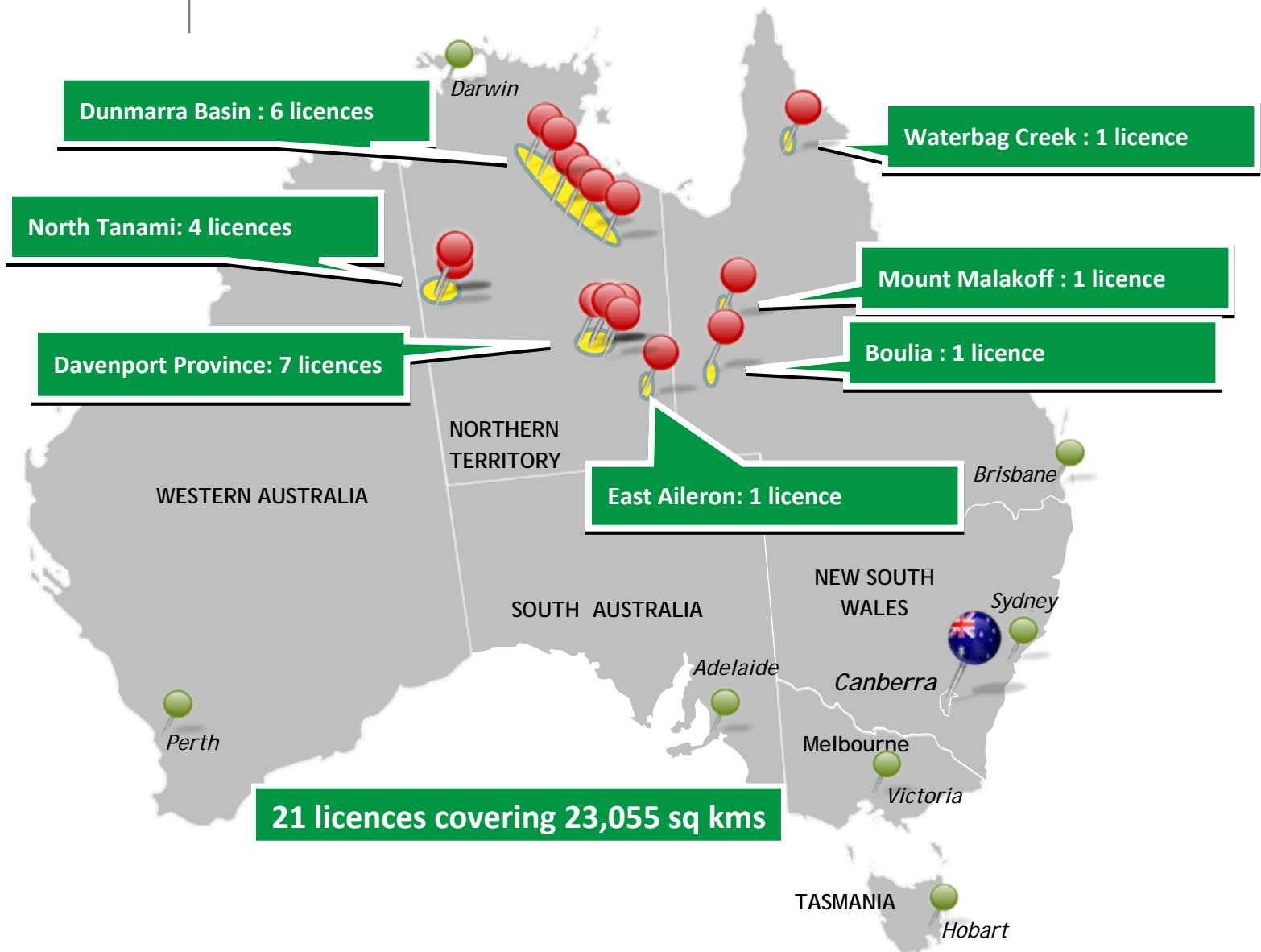
- Uranium Ventures Pty Ltd comprises 21 exploration tenements covering 23,055 square kilometres – Northern Territory and Queensland.
- Projects are located within highly prospective and world class provinces hosts: U, W, Mo, Au, Cu-Au Cu , Pb, Zn, Bi, Sn, Ta and diamond deposits.
- Strategically located to major infrastructure which in turn indicates good economics for any future mine development .
- Projects are also prospective for sandstone-hosted uranium that may include unconformity-related, roll-front, tabular, tectonic/ lithologic and high grade vein style deposits.
- Extensive 1<sup>st</sup> - 2<sup>nd</sup> and 3<sup>rd</sup> Order Radiometric Anomalies are present within various Northern Territory projects – predominately remains untested.
- The distribution of uranium occurrences are commonly associated with uraniferous (“hot”) granites – present. The uranium mineralisation can be derived by leaching of uranium from older underlying Proterozoic ‘hot granites’. Several Projects are proximal to these areas within the NT and Qld.
- Mount Malakoff Project has excellent potential to delineate roll front uranium deposits based on previous drilling confirming the presence of roll-front uranium mineralisation to the north of the project area.
- Good potential exists to delineate uranium mineralisation based on very little or no modern day systematic uranium exploration.

## Company overview

### Uranium Ventures is focused on early stage exploration

- Uranium Ventures is planning on raising funds to undertake early stage exploration of large parcel tenements in the Northern Territory and Queensland, on which has \$250,000 has been spent on thus far, excluding management time;
- The tenements are expected to potentially contain high value minerals such as copper, lead, zinc, gold, tungsten, tin, and rare earths, which will also be sought as part of the scoping study;
- The objective is to scope out the most prospective of these tenements in a time and cost efficient manner using both experienced personnel and latest technologies. Initial focus will be on the tenements that have been explored in the past by other explorers which showed encouraging results;
- The company has put together an experienced team – exploration, logistics, M&A, corporate, and investor relations;

### Current Location of prospective assets – Australia



## Prospective Basins within Northern Territory

- ELS 26099, 26114, 26072, 26073, 26113 are within the McArthur Basin. The table below shows the current mining operations and the significant undeveloped resources of the Basin.
- Projects are highly under explored.
- Potential exists to host Cu-Pb-Zn-Ni-Fe and Diamonds.

### Operating Mines

Area	Mine	Past Production	Current Resource	Company
McArthur Basin	McArthur River	3.68 Mt of Zn/Pb concentrate	146 Mt @ 12.3% Zn, 9.6% Pb and 95 g/t Ag	Xstrata plc

### Significant Undeveloped Deposits

Area	Deposit	Resource	Company
McArthur Basin	Bulman	1.2 Mt 11.0% Zn and 6.5% Pb	Admiralty Resources NL
	Coxco	7.8 Mt 4.2% Zn and 1.0% Pb	Xstrata PLC
	Cooley II	5 Mt 1.1% Cu	Xstrata PLC
	Myrtle	43.6 Mt 4.1% Zn and 0.9% Pb	Rox Resources Ltd
	Redbank	6.24 Mt 1.5% Cu	Redbank Copper Ltd
	Stanton	0.9 Mt 0.14% Cu, 0.15% Co and 0.08% Ni	HydroMet Corporation Ltd
	Roper Bar	116 Mt @ 39% Fe	Western Desert Resources Ltd
	Rover River	400 Mt @ 40-64% Fe	North Australian Iron Ore
	Bachelor	17 Mt @ 53.5% Fe	Territory Resources Ltd
	Merlin	21.5 Mt @ 0.18 ct/t	North Australian Diamonds Ltd

## Prospective Basins within Northern Territory

- ELS 26200 and 26199 are hosted within the Tanami Region. The table below shows the current mining operations and the significant undeveloped resources of the area.
- Potential exists to host Au and U.

### Operating Mines

Area	Mine	Past Production	Current Resource	Company
Tanami Region	Callie	12.8 Mt @ 5.1 g/t Au	12.77 Mt @ 6.02 g/t Au	Newmont Australia Ltd

### Significant Undeveloped Deposits




Area	Deposit	Resource	Company
Tanami Region	Oberon	2.19 Mt @ 2.69 g/t Au	Newmont Australia Ltd
	Crusade	1.18 Mt @ 2.7 g/t Au	Ord River Resources Ltd
	Dogbolter-Redbank	5.01 Mt @ 3.6 g/t Au	Tanami Gold NL

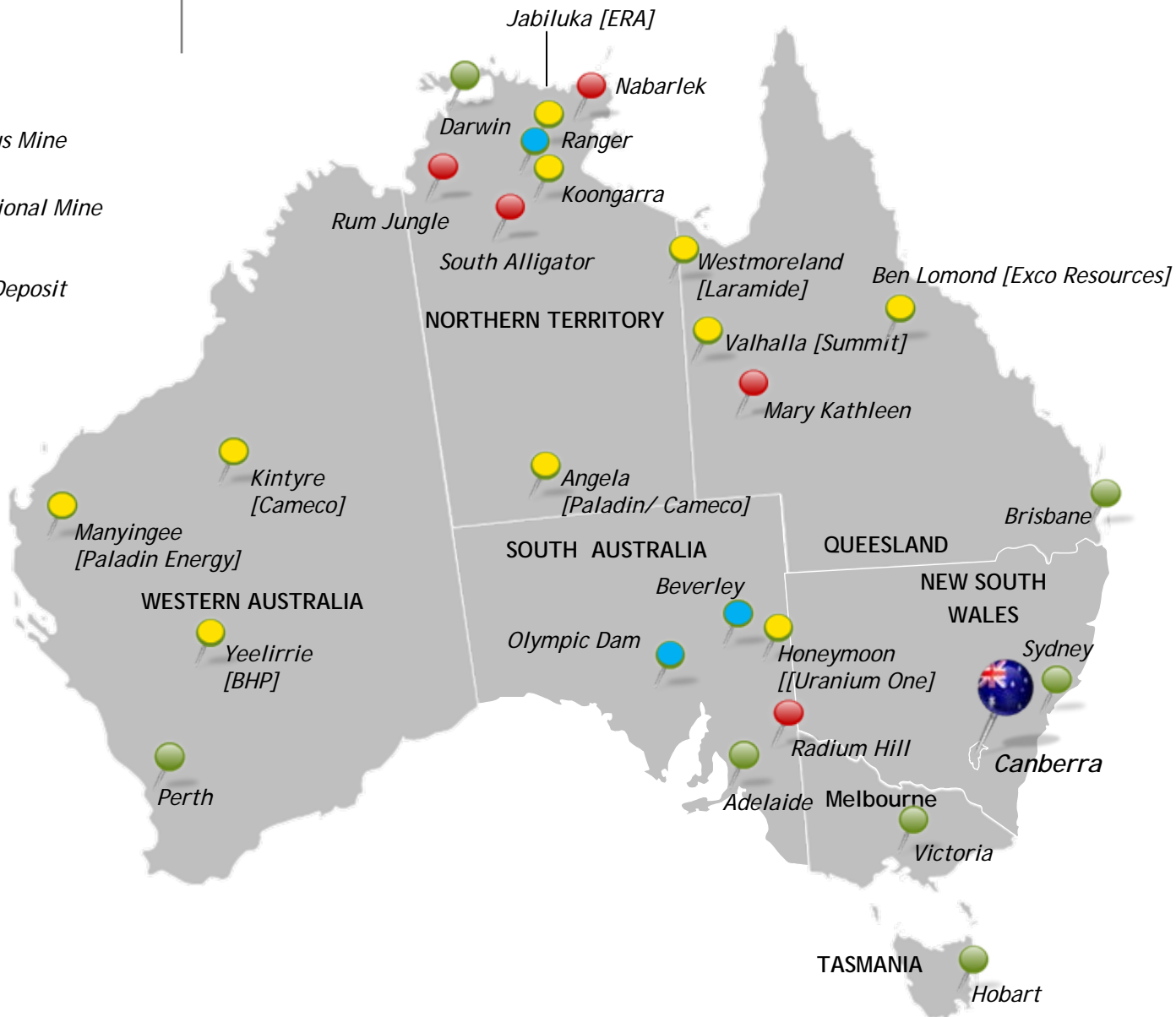
- ELS 26196 and 26096 are hosted within the Georgina Basin. The table below shows the significant resources within the Basin. Potential exists to host Phosphate-Pb-Zn-U and diamonds.

### Major Undeveloped Deposits

Area	Deposit	Resource	Company
Georgina Basin	Wonarah	969 Mt @ 19% P <sub>2</sub> O <sub>5</sub>	Minemakers Ltd
	Alexandria	15 Mt @ 10% P <sub>2</sub> O <sub>5</sub>	Phosphate Australia Ltd
	Alroy	5 Mt @ 20% P <sub>2</sub> O <sub>5</sub>	Phosphate Australia Ltd

## Overview of current uranium operating mines & companies

-  Previous Mine
-  Operational Mine
-  Major Deposit



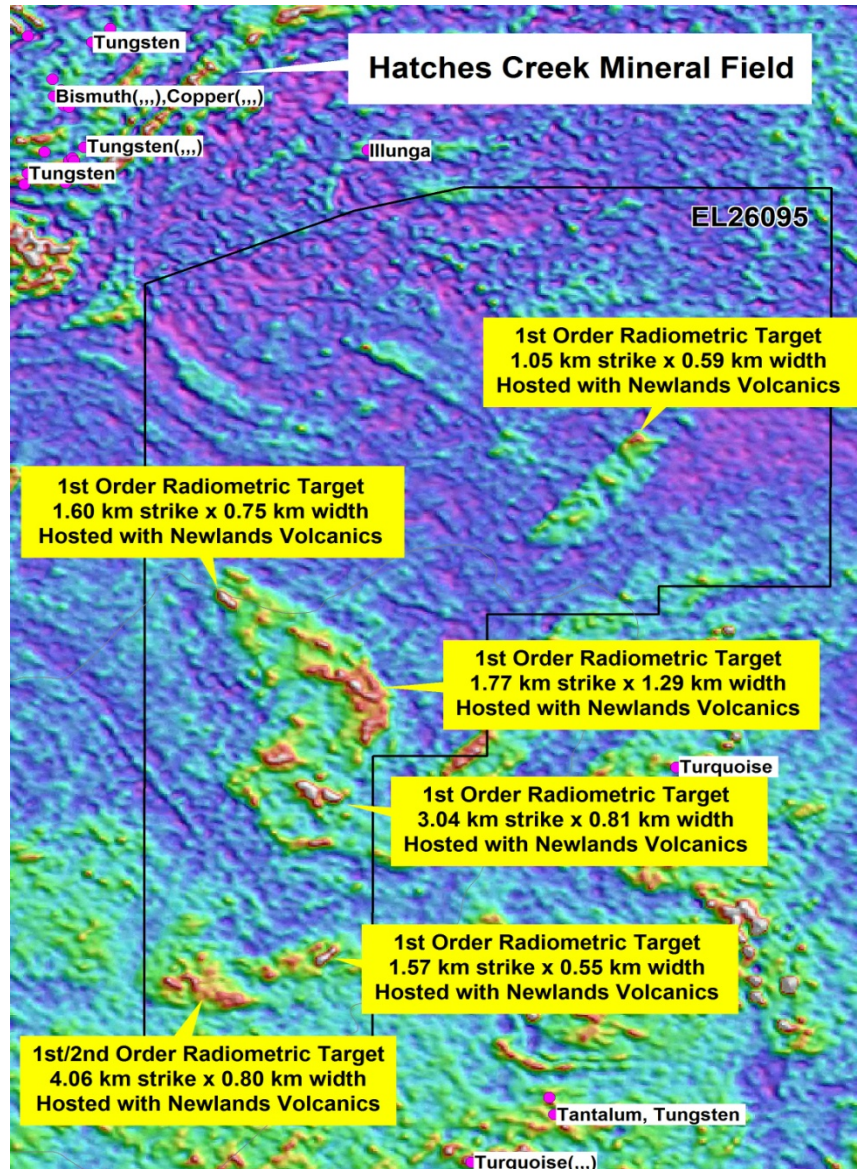


## Project overview – Northern Territory- Possible Uranium

### Focus on areas which could be prospective, having seen some previous mapping

- The Northern Territory has produced over 1 million tonnes of uranium to date. Uranium production and current resource statistics for the NT are dominated by large unconformity-related deposits in the eastern Pine Creek Orogen. Smaller vein type deposits in the Pine Creek Orogen (Adelaide River) have also been mined in the past. Geological analogues to Pine Creek Orogen unconformity-related deposits, **that are considered prospective** exist in the Davenport Province.
- There has been little previous exploration for uranium in the project areas. However, in the last 10 years, the Northern Territories and Commonwealth **Governments have funded geological studies and regional geophysical surveys** that have provided an improved understanding of metallogenic provinces and airborne radiometric and magnetic coverage. **This has allowed our geologists to select potential areas for sandstone-hosted uranium deposits.**
- In the Northern Territory, sandstone-hosted have not been found outside of the Amadeus basin to date (host to Angela deposit of over 10,000 tonnes, at 0.1% of uranium oxide). There is however, increasing evidence suggesting that other basins such as **Eromanga and Dunmarra Basins have similar potential.**
- Sandstone units in Dunmarra Basin suggest potential, and in the Davenport Province, the Hatches Creek Group rests unconformably on deformed and metamorphosed Paleoproterozoic orogenic rocks.
- **The region also holds potential for gold, copper and other minerals.** The age range (1,829 to 1,816) is similar to the Au-Cu-Bi mineralisation of Tennant Creek, Pine Creek, Tanami, and Hatches Creek area.

## EL26095 Davenport Province – Northern Territory



- Project is located within the Davenport Province (sedimentary and volcanic rock units) host: U, W, Mo, Au, Cu and Ni deposits.

- Strategically located 125 km from the Stuart Highway and the Alice to Adelaide Railway .

- The Hatches Creek Mineral Field (13 km north-west of EL26095) produced 2840 t of wolframite and scheelite concentrate. Ore minerals, including minor molybdenite, occur in quartz veins hosted by a range of igneous and sedimentary rocks.

- Numerous underground mines exploited quartz veins containing wolframite (tungsten) until the 1950's .

- Extensive 1<sup>st</sup> and 2<sup>nd</sup> Order Radiometric Anomalies are present within EL26095 – remain untested.

- Good potential exists to delineate uranium mineralisation as this area has been exposed to very little or no modern day uranium exploration.

- Highly prospective for U, W, Cu, Bi and potentially Au.

## Project Summary Details Northern Territory

- **EL26114 Project** - Project is located within the McArthur Basin (Sedimentary and minor volcanic rocks) which hosts the McArthur River Zn-Pb-Ag mine. Several minor occurrences of base metals, iron ore and uranium.
- Several 2<sup>nd</sup> and 3<sup>rd</sup> order Radiometric Anomalies are present .
- To the SW of the project , the Packsaddle 1 Diamond Prospect (kimberlite pipe) is located with dimension of 700m in length x 2m in width x 50m in depth.
- Numerous iron ore prospects are proximal to the Project area (Oolitic ironstones).
  
- **EL26072 Project** - Project is located within the McArthur Basin & Dunmarra Basin (Sedimentary and minor volcanic rocks , sandstone and mudstone).
- Thirteen (13) 1<sup>st</sup> and 2<sup>nd</sup> order Radiometric Anomalies are present – remain untested.
  
- **EL26073 Project** - Project is situated within the McArthur Basin & Dunmarra Basin (Sedimentary and minor volcanic rocks , sandstone and mudstone)
- Three extensive 1<sup>st</sup> and 2<sup>nd</sup> order Radiometric Anomalies are present
- NW Anomaly Radiometric Anomaly (2<sup>nd</sup> Order) has a strike of approx 5.01 km by 2.14 km
- NE Anomaly Radiometric Anomaly (1<sup>st</sup> Order) has a strike of approx 4.41 km by 1.08 km
- SE Anomaly Radiometric Anomaly (1<sup>st</sup> Order) has a strike of approx 2.94 km by 1.18 km
  
- **EL26099 Project** - Project is located within the McArthur Basin & Dunmarra Basin (Sedimentary and minor volcanic rocks , sandstone and mudstone).
- Three 1<sup>st</sup> and 2<sup>nd</sup> order Radiometric Anomalies are present .
- To the SW of the project , the Eley 1 and Eley 2 limestone prospects are present -Proved Resource of 1.45Mt @ 95.3% CaCO<sub>3</sub>.
- Project situated approx 19 km NW of the Maranboy Tin Field - A total recorded production to 1952 is about 1,280 tons of tin concentrate containing 800 tons of metallic tin. This was obtained from about 50,000 t of ore, with an average recovery grade of 1.6% Sn.

## Project Summary Details Northern Territory

- **EL26113 Project** - Project is located within the McArthur Basin (Sedimentary and minor volcanic rocks) which hosts the McArthur River Zn-Pb-Ag mine. Several minor occurrences of base metals, iron ore and uranium
- Broad extensive regional 2<sup>nd</sup> and 3<sup>rd</sup> order radiometric zones present, striking over 18 km by 7.43 km wide.
- Numerous small copper workings are located east of the Project with small production numbers.
  
- **EL26207 Project** - Project is situated within the Arunta Block Georgina Basin (Sedimentary and minor volcanic rocks, sandstone and mudstone). Hosts a variety of commodities including Cu, Pb, Zn, U, Au, W, Sn, Zr, mica, vermiculite, REE and diamonds.
- Two (2) 1<sup>st</sup> order Radiometric Anomalies are present – the largest having a strike of 4.23 km by 0.55 km in width.
- Approx 5.9 km north (outside the EL) copper mineralisation is hosted within polymetallic Cu-Pb-Zn-Ag veins
  
- **EL26199 & EL26201 Project** - Project is located within the Wiso Basin & Granites-Tanami Region which hosts world class gold deposits, petroleum and phosphate.
- Fourteen (14) 2<sup>nd</sup> and 3<sup>rd</sup> order Radiometric Anomalies are present – remain untested
- Approx 60 km from the Kokoda Gold Prospect (Indicated Resource 1.27 Mt @ 2.6g/t Au) and Crusade Gold Prospect (Indicated Resource 1.12 Mt @ 3.14g/t Au).
  
- **EL26200 Project** - Project is situated within the Granites-Tanami & Victoria - Birrindudu Basin (Dolostone, sandstone, limestone, shale, greywacke, shale, siltstone, sandstone, BIF, carbonaceous shale)
- Fourteen (14) 1<sup>st</sup> and 2<sup>nd</sup> order Radiometric Anomalies are present
- Two (2) Northern Anomalies Radiometric Anomaly (1<sup>st</sup> Order) has a strike of approx 1.13 km by 0.4 km.
- Four (4) Central Anomalies Radiometric Anomaly (1<sup>st</sup> Order) has a strike of approx 1.21 km by 0.3 km.
  
- **EL26202 Project** - Project is situated within Wiso Basin Dolostone, limestone, shale, sandstone, siltstone.)
- Four extensive 1<sup>st</sup> and 2<sup>nd</sup> order Radiometric Anomalies are present

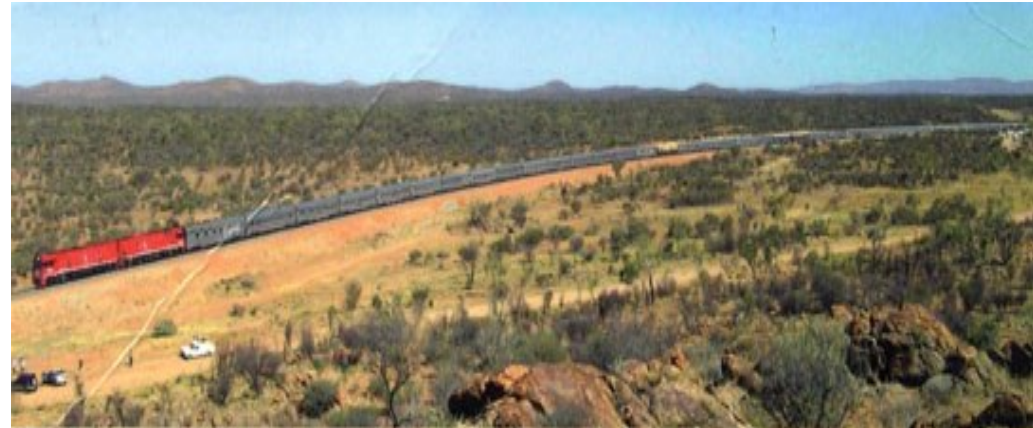
## Major Infrastructure within the Northern Territory



**East Arm Bulk Facility - Darwin**

Projects development can be supported by Port, Highways and Rail Facilities.

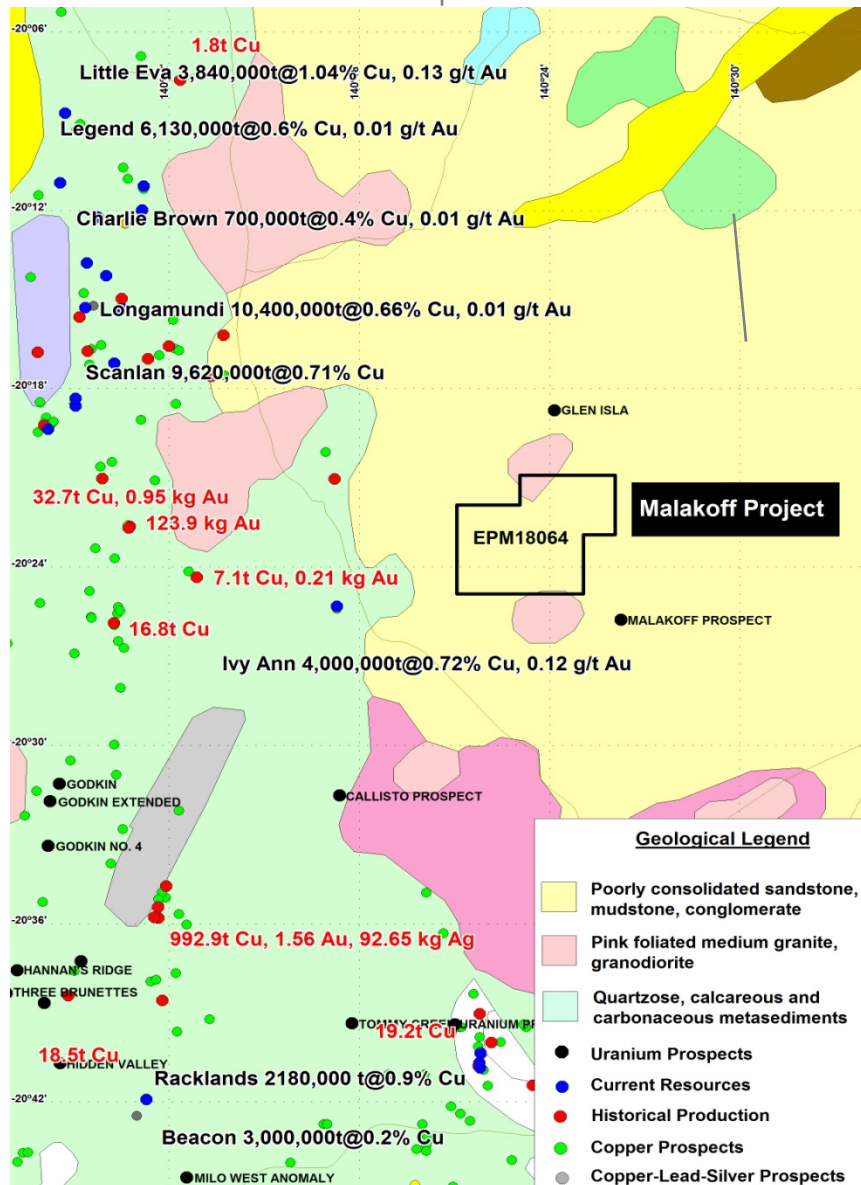
**Adelaide - Darwin Railway**



**Stuart Highway (Darwin to Alice Springs)**



## EPM18064 Mount Malakoff Project (Mt Isa) – Queensland



- The Project is situated within the Mount Isa District in Queensland which hosts world class Cu-Au deposits.

- The Mount Isa district probably represents one of the most prospective areas in Australia for the discovery of near surface uranium resources and intense uranium exploration is currently being conducted by numerous companies, including Summit Resources and Deep Yellow.

- Mount Malakoff is located in a favourable geological region where uranium mineralisation (Glen Isla, Mount Malakoff).

- The Project is prospective for sandstone-hosted uranium deposits that may include roll-front, tabular and tectonic/lithologic deposits.

- The distribution of uranium occurrences are commonly associated with uraniferous (“hot”) granites. The uranium mineralisation can be derived by leaching of uranium from older underlying Proterozoic ‘hot granites’

- Historical drilling at the nearby Glen Isla prospect has confirmed the presence of roll-front uranium mineralization and has indicated the presence of a similar style of mineralization at the Mount Malakoff prospect.

## Project Summary Details Queensland

- **EPM 18063 Project** - In the Boullia area, the Mesozoic Longsight sandstone has long been regarded as an attractive target for sandstone-hosted uranium targets that may contain roll-front, tabular and tectonic/lithologic deposits.
- Earlier explorers found minor radiometric anomalies near the top and the base of the Longsight sandstone which fills a 5-7km wide south-southeast trending paleochannel in the Western part of the application area. Whilst some of the anomalous radioactivity could be due to detrital monazite, the paleochannel's uranium potential **has not been adequately tested by drilling and remains a key target.**
- **EPM 16326 Project** - The Waterbag Creek application covers part of the Morehead River and its tributaries, which contain large amounts of alluvial sediments. These sediments have been shown by previous explorers to **contain heavy mineral occurrences and rare earth elements.**
- Zircons are one of these elements, and it is known that **zircons can contain up to 0.4% uranium** and 0.2% thorium and with advances in leaching technology represent a **viable source of uranium.**

*The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Allen J Maynard who is a member of the Australasian Institute of Mining and Metallurgy. Mr Maynard has sufficient experience relevant to the styles of mineralisation under consideration and to the subject matter of the report to qualify as a Competent Person as defined in the 2004 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code). Mr Maynard consents to the inclusion in the report of the matters based on his information in the form and context in which they occur.*

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