

# ENTERPRISE METALS LTD



## Investor Presentation

16 February 2012

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

# ENTERPRISE METALS LTD



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# SHARE STRUCTURE

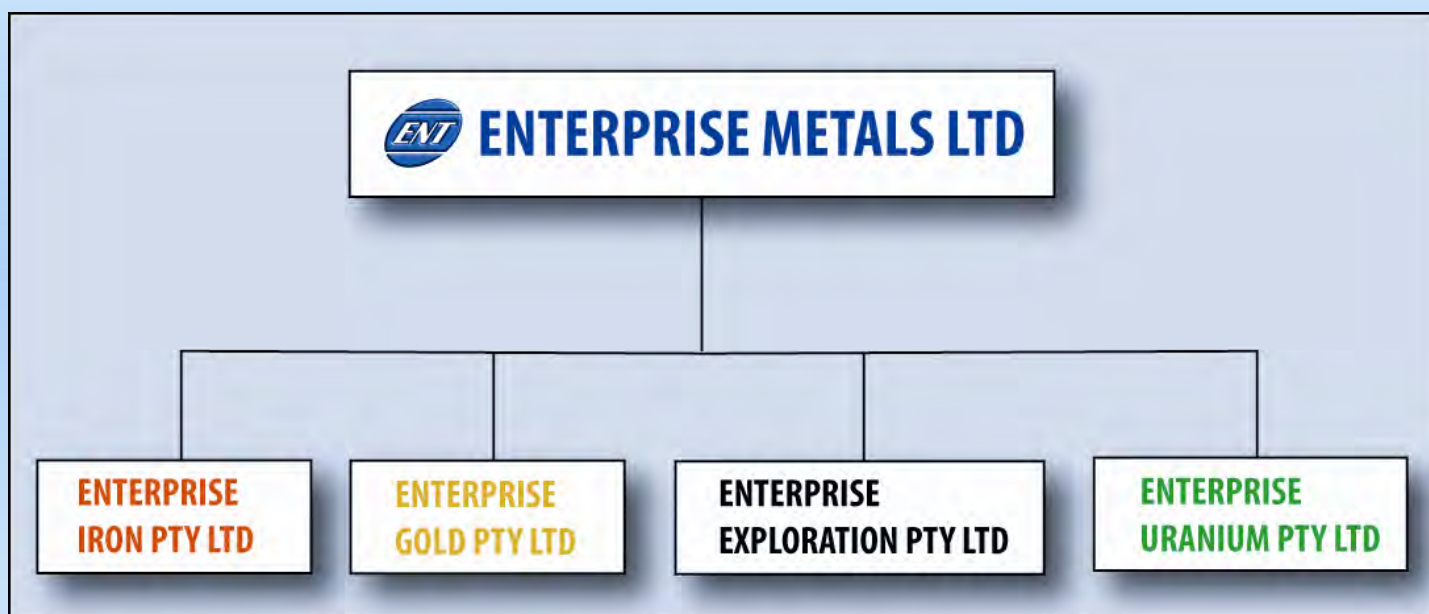


Issued Capital	<b>203.22 million shares</b>
Share price	<b>\$0.16 (close 15 Feb 2012)</b>
Market Capitalisation	<b>\$32.5 million</b>
Cash at bank	<b>~\$11.5 million @ 31 Dec 2011</b>
<hr/> Listed & Unlisted Options	<hr/> <b>84.0 million @ 25 cents (6/2012 - 7/2014)</b> <b>2.5 million @ 50 cents</b>

- Major Shareholder SinoTech 62.0 million shares (30.5%)

**“....a WA focussed multi-commodity explorer....”**

# COMPANY STRUCTURE



- **Subsidiary of Sinotech Minerals Exploration Co., Ltd.**
- **Beijing Institute of Geology for Mineral Resources (BIGM) is major shareholder (45%).**
- **Focus is exploration, mine development and geo-services.**
- **Enterprise is first equity investment in Australia.**
- **Sinotech aims to create an international exploration & mining company by strategic partnering with locally based exploration companies.**
- **Holds a 20% interest in Canaco Resources Inc. (TSX-V: CAN) and 41% interest in Silvore Fox Minerals Corp. (TSX-V: SFX).**

## ***“Investment in foreign public companies, our strategy”***

- **Discover well-credited junior exploration companies with good properties.**
- **Provide financial and technical support, even properties if necessary.**
- **Adjust our shareholding position according to corporate demand & market reaction and expectation – whatever can grow the company and increase shareholder value.**
- **Long-term strategic partnership.**



# DIRECTORS

## Dr. Jingbin Wang BSc, MSc, PhD - Chairman (Non-Executive)

- Geologist with 26 years multi-commodity, multi-national experience

## Dermot Ryan BApSc(Geo), FAusIMM, CP (Geo) - Managing Director

- Geologist with 34 years multi-commodity experience

## Paul Hallam BE Mining (Hons), FAusIMM, FAICD, Director (Non-Executive)

- Mining engineer/operations director, 34 years multi-commodity experience.

## Paul Larsen - Director (Non-Executive)

- Successful private company director

## Bruce Hawley BE Chem (Hons), FAusIMM, CP (Mgn't) - Director (Non-Executive)

- Chemical engineer/project manager, 36 years experience in mining projects

## Anna Mao MBA - Director (Non-Executive)

- MBA from Richard Ivey Business School of Western Ontario University

## Dr. Zhen Huang BSc, MSc, PhD - Director (Non-Executive)

- Geologist with 29 years multi-commodity, multi-national experience

**Dennis Wilkins: Company Secretary & CFO**

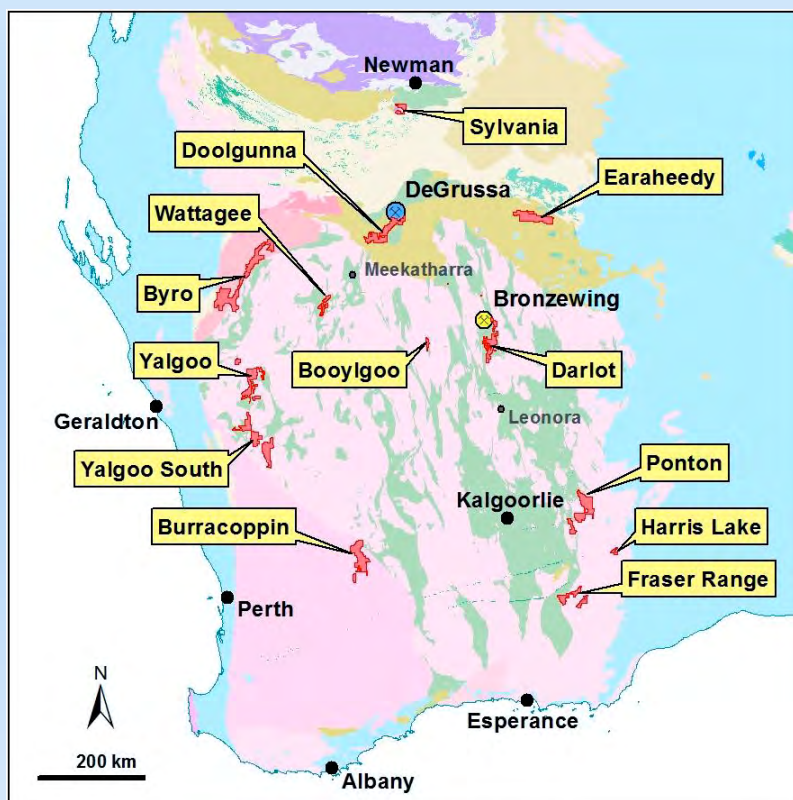
# Project Locations

## Iron Ore

- Booylgoo
- Burracoppin
- Earaheedy
- Sylvania

## Gold

- Darlot
- Burracoppin
- Wattagee
- Fraser Range



## Uranium

- Yalgoo
- Yalgoo South
- Byro
- Harris Lake
- Ponton
- Darlot

## Base Metals

- Doolgunna
- Darlot
- Wattagee
- Yalgoo

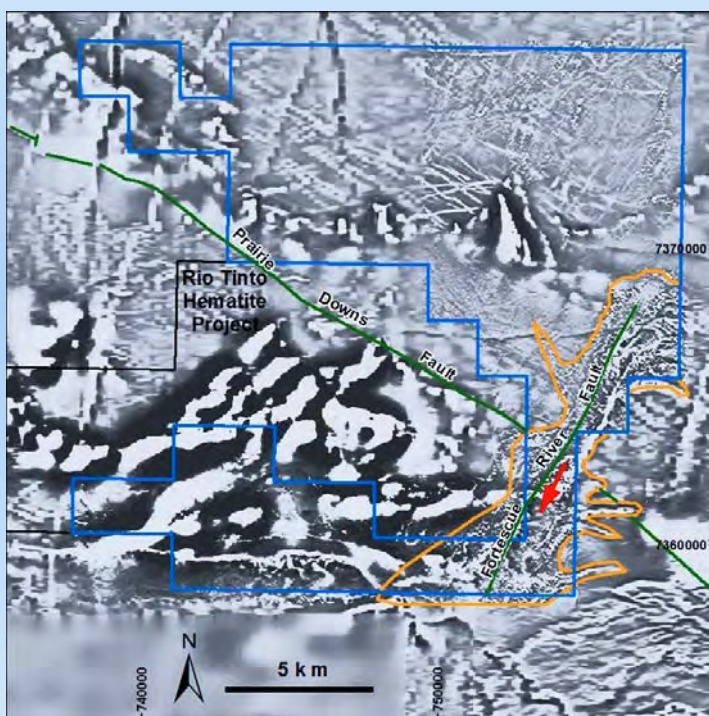


# IRON ORE PROJECTS



Massive hematite & goethite outcrop, Sylvania Project

# Sylvania Project



## Targets:

1. Proterozoic hematite, "Hamersley style."
2. Channel Iron (CID) or Detrital Iron (DID) on Fortescue River Fault.

## 2012:

POW approved.

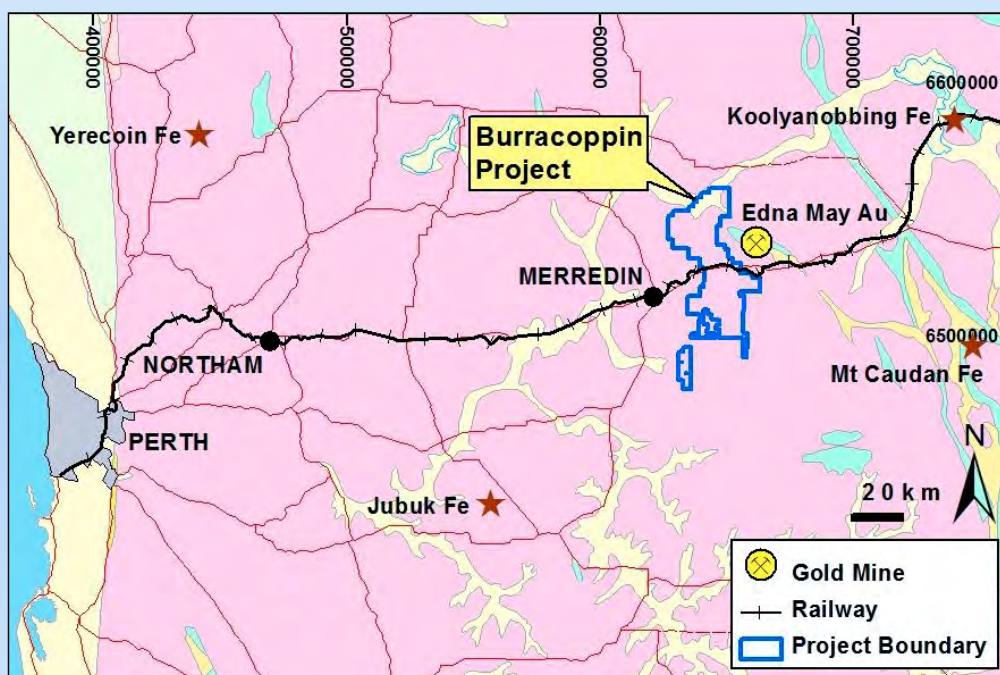
1 Heritage survey completed, 1 awaited.

RC drill test of CID/DID and hematite targets.





# Burracoppin Project



Archaean Greenstone belt hosting BIF within gneissic terrane.

- Heavy duty standard gauge railway, water, power, other services.
- Deepwater ports at Kwinana and Esperance.

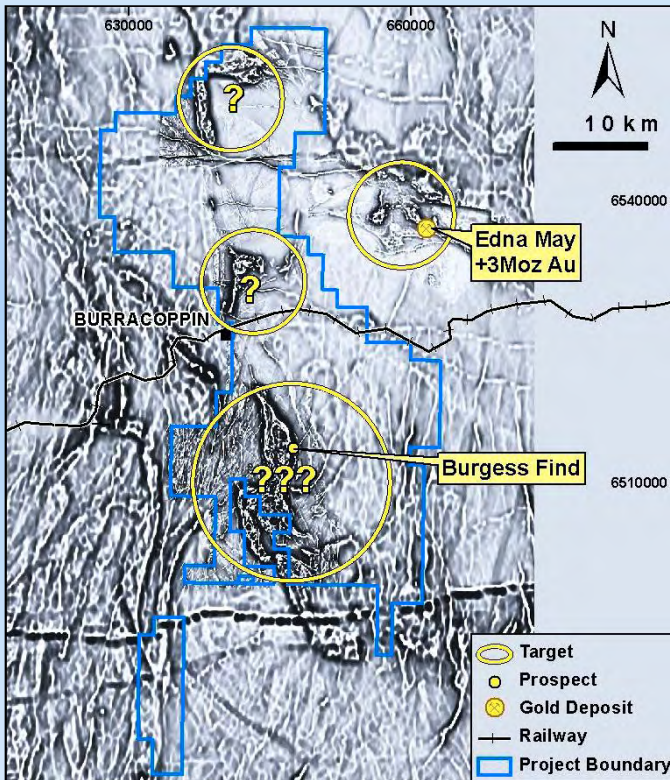
# Burracoppin Project



- 50km strike of Archaean “Westonia” greenstone belt (Fe, Au potential)
- Some scattered outcrops of Bif and goethite and some hematite scree.
- Same rocks as host Edna May goldmine. (100,000pa gold producer)
- Flat, deeply weathered, little outcrop, “farmers wheat paddocks.”
- **2011:** RC drill testing gold soil anomalies.
- **2012:** Mapping & drill testing iron & gold targets.

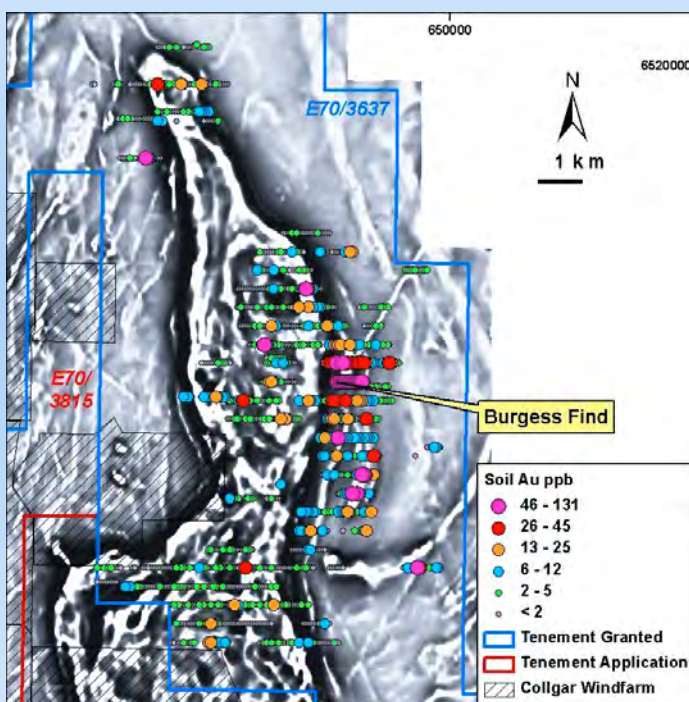


# Burracoppin Project



- 100m line spaced aeromagnetic surveys flown by Enterprise.
- 10's km of linear magnetic anomalism defined, some associated with subcropping & mapped Bif.
- Magnetic lows may represent deep weathering & hematite.
- Gold potential at Burgess Find.

# Burracoppin Project

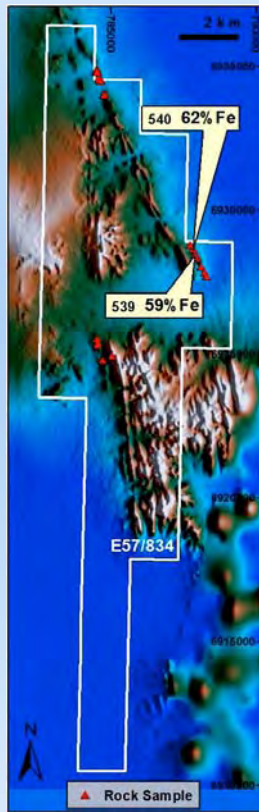
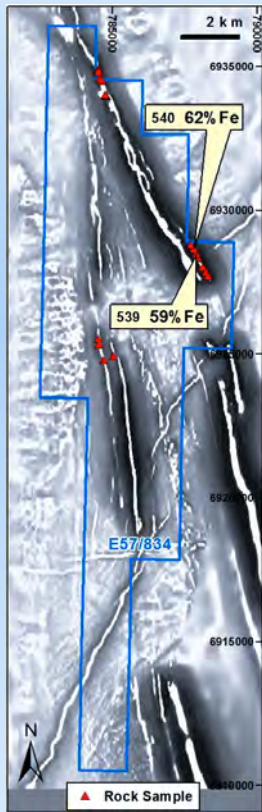


## Burgess Find Gold Target

- High grade gold in veins at sheared contact between mafic/ultramafic unit to west and gneiss to east.
- Soil sampling indicates gold anomalism over 2km of strike.
- Soil sampling not completed due to transported cover. (RAB/aircore drilling 2012)
- Limited shallow historical RC drilling. (1981-1987)
- Deeper RC drilling required to adequately test primary zone.



# Booylgoo Project

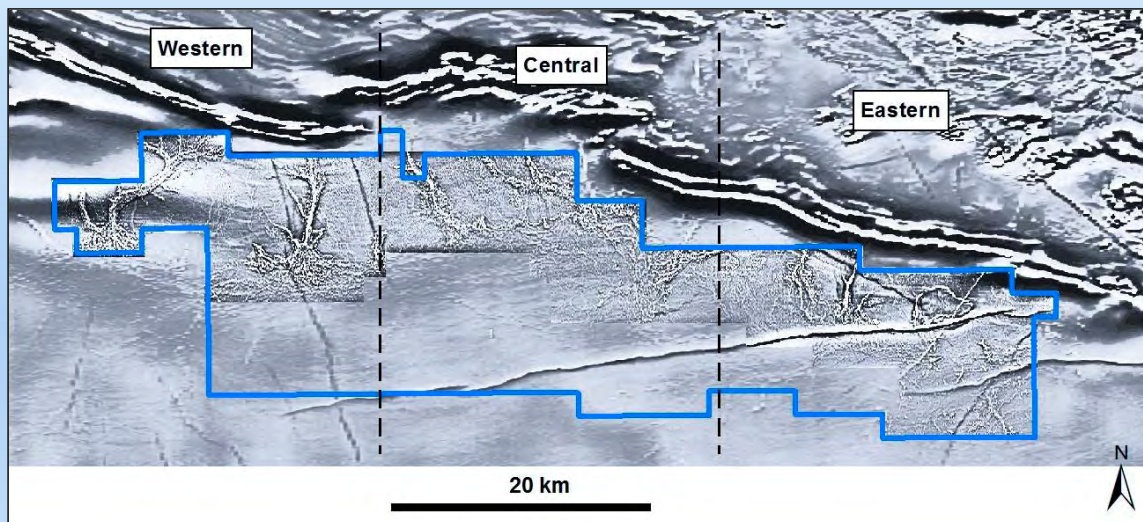


Located south of Golden West Ltd's "Wiluna West" Resource: 127Mt @ 60% Fe.

## 2012:

- Detailed ENT magnetic/radiometric survey.
- 28km strike magnetic Bif.
- Limited rockchip sampling : grades 25 - 62%Fe.
- Detailed mapping and sampling required to firm up high grade targets.
- RC drilling required to test high grade zones.

# Earaheedy Project

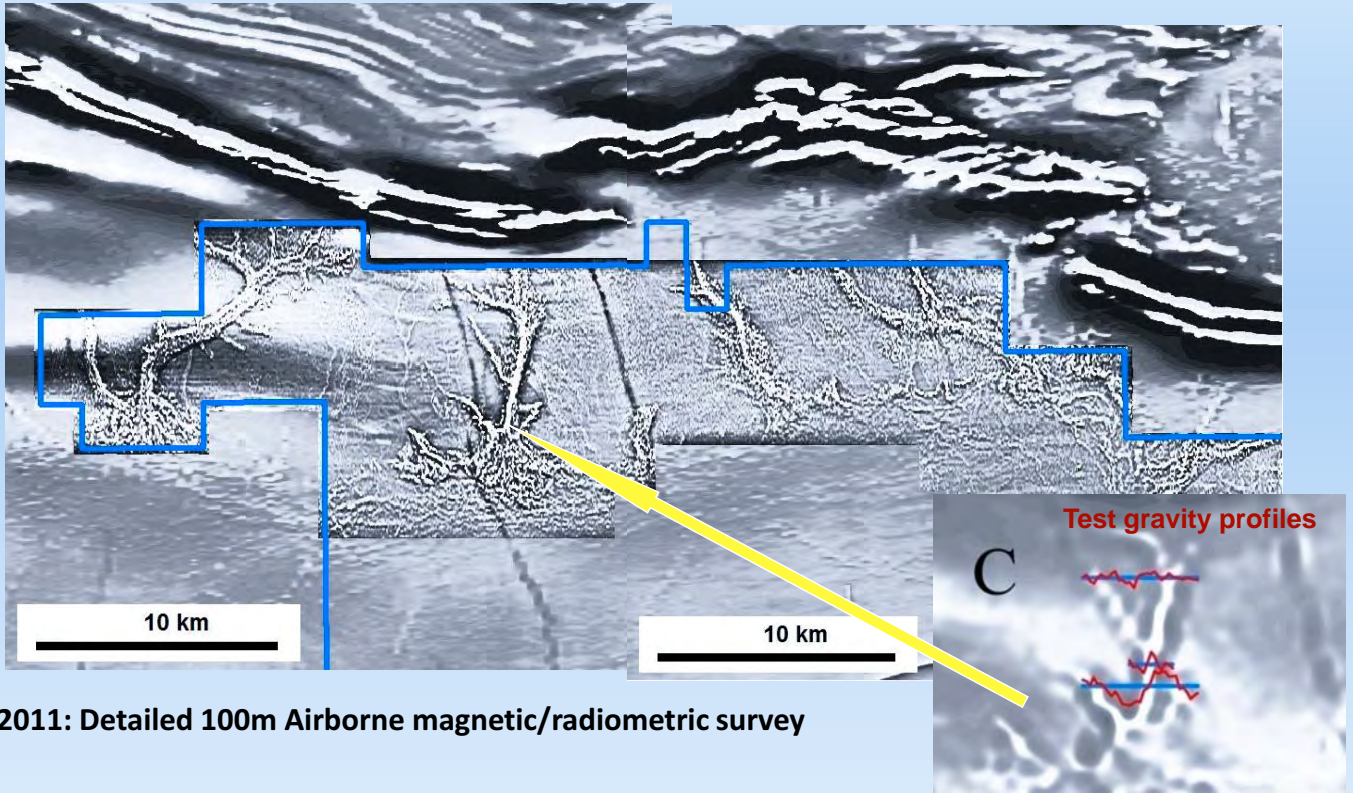


**Targets: Channel Iron (CID) & Detrital Iron (DID) deposits (eg Koodaideri like)**

- Proterozoic Bif's in Earaheedy/Nabberu Basin. 600sq km, granted April 2011.
- "Magnetic channels" - 400m line spaced magnetics suggest CID/DID's present.
- **2011:** 100m Airborne magnetic/radiometric survey flown, confirms channels.
- **2012:** Heritage clearance and RC drilling (April/May?).



# Earaheedy Project



2011: Detailed 100m Airborne magnetic/radiometric survey

# GOLD & BASE METALS PROJECTS



Doolgunna Heritage Survey



Doolgunna Station – Exploration Basecamp



# GOLD & BASE METALS STRATEGY

## GOLD

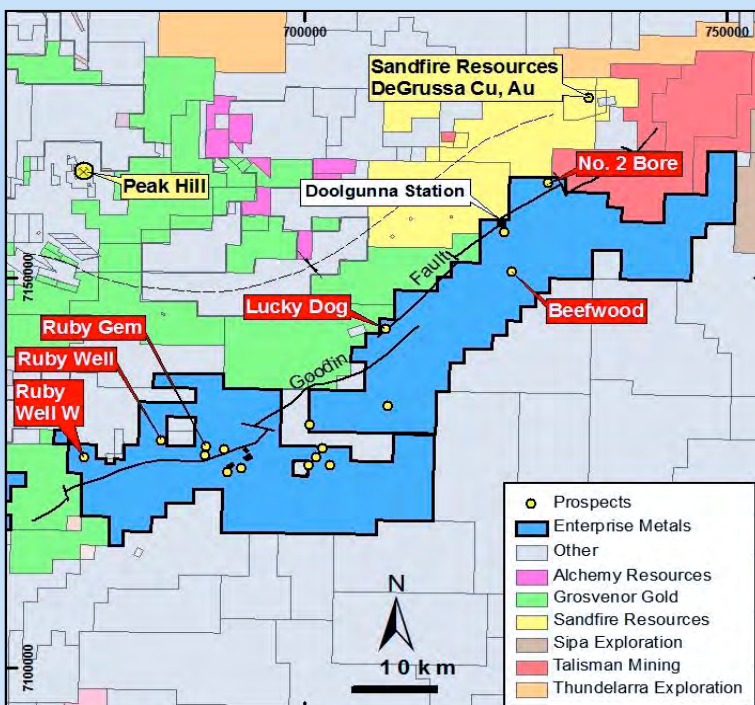
Explore below known oxide gold zones for high grade primary ore, within trucking distance of competitors Mills. Eg. Darlot, Yalgoo, Burracoppin.

## BASE METALS

Explore prospective Proterozoic Volcanics and Sediments near De Grussa (VMS and sediment hosted), & Archaean Felsic sequences near Golden Grove and Jaguar-Bentley. (VMS)



# Doolgunna Project - Competitors

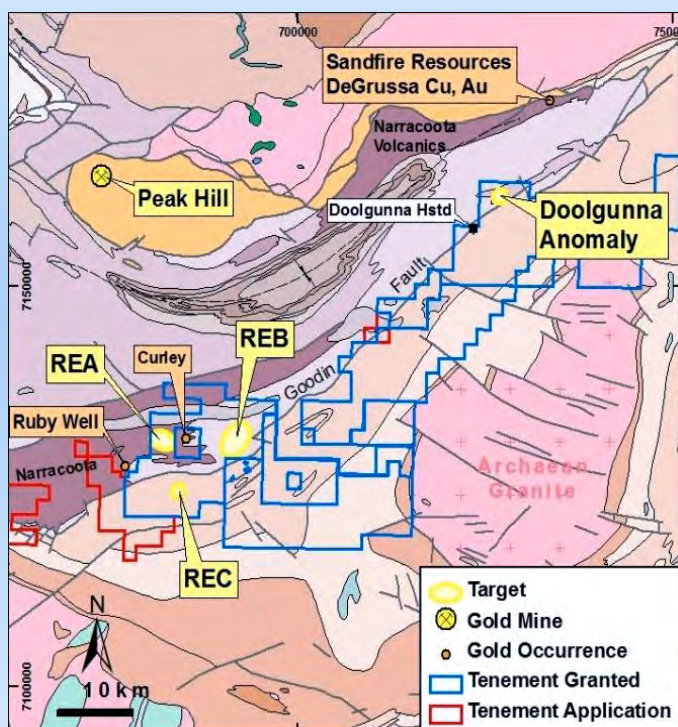


## Sandfire Resources NL DeGrussa VMS Resource

- 10.67 million tonnes
- 5.6% Cu
- 1.9g/t Au
- 15g/t Ag
- 600,000 tonnes copper
- 660,000 ounces gold
- 5.1m ounces silver
- Plan Revenue: \$4.2B
- Cashflow (pre-tax): \$2.4B



# DOOLGUNNA PROJECT



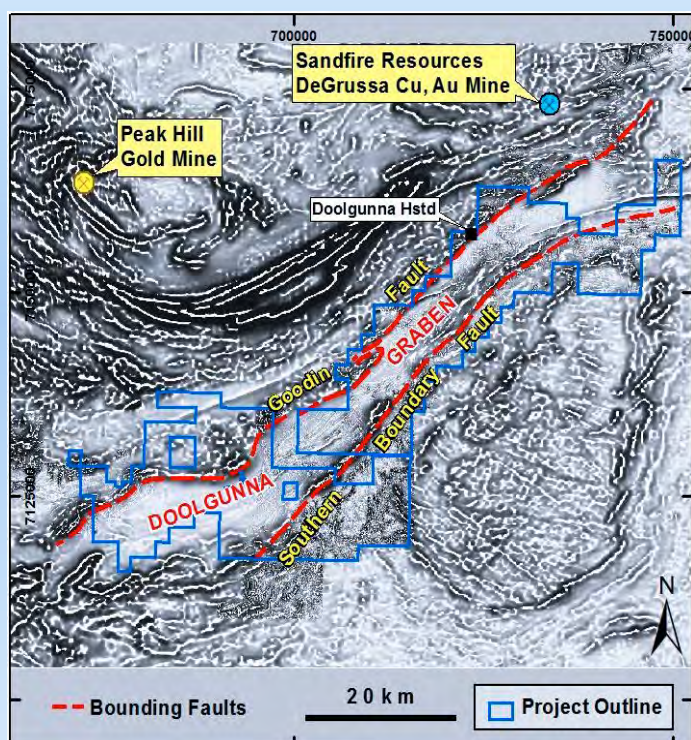
## 2011:

- Detailed 100m airborne magnetic survey completed.
- RC drilling: 3 soil/IP targets. 8m @ 1% Cu along Goodin Fault.

## 2012:

- Aircore drilling for oxide Cu “blankets” along Goodin Fault and Southern Boundary Fault.

# Doolgunna Project



## 2012:

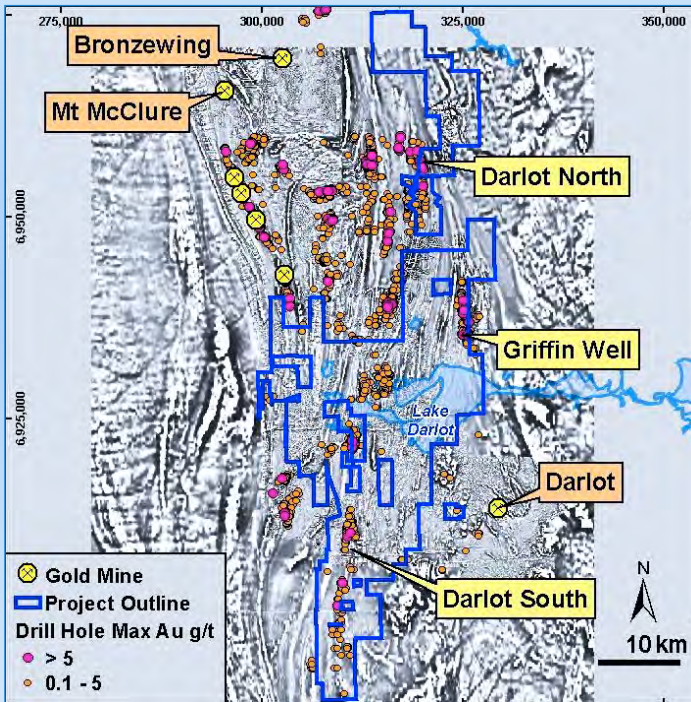
### Sediment Hosted Cu(Zn) targets

- “Doolgunna Graben” concept.
- Potential for “Isa” or “Zambian” style massive sulphides along Southern Boundary Fault (SBF ~80km).
- Expect deep oxidation (~60-80m) & extensive secondary Cu blankets over primary ore zones.
- AC and RC drilling over SBF in areas of magnetic lows at REDOX(?) boundary.



# Darlot Project

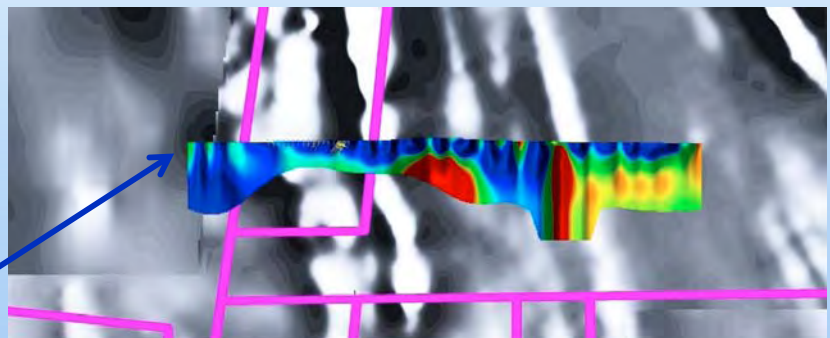
Historic Gold drilling results on magnetics



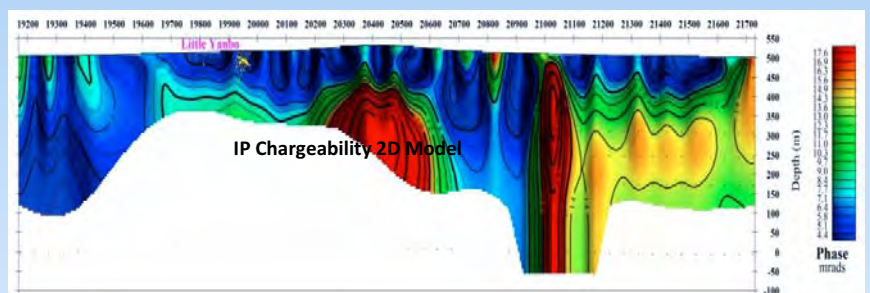
## Targets: Archaean Orogenic Au deposit & VMS Cu/Zn deposits

- Excellent gold/base metal targets based on previous RAB drilling & structural interpretation.
- Favourable stratigraphy, under-drilled.
- Hungry mill at Bronzewing.
- IP targets available for drilling, subject to NT heritage clearance.

# Darlot North



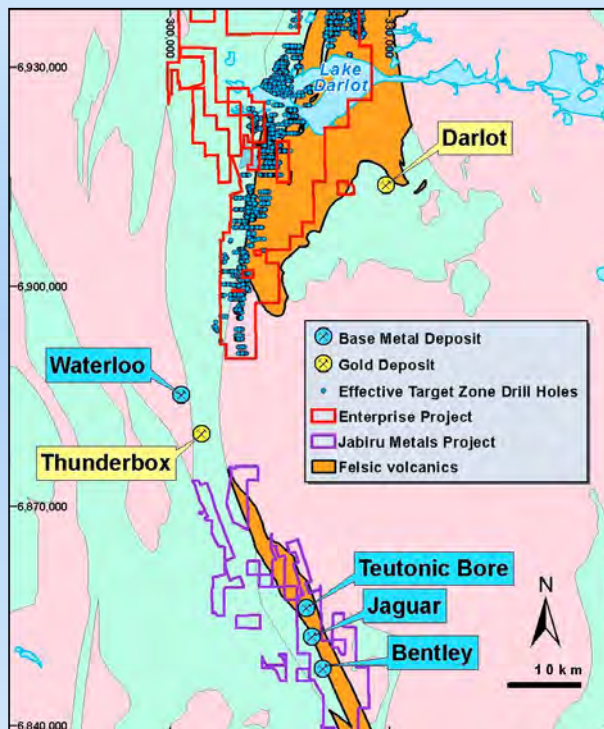
Modelled IP Chargeability Section over 1<sup>st</sup> VD Magnetic Image



IP Chargeability 2D Model

IP traverse





## Target: Archaean VMS Cu/Zn deposits

▪ Felsic volcanics hosting Jaguar and Bentley, present in ENT tenements.

▪ Area drilled for gold 1980 -1990's.

**2011:** Existing drill hole spoil re-sampled for base metals (inc Cd) and alteration minerals associated with expected VMS halo.

▪ **2012:** Scout RAB/RC drilling

# URANIUM PROJECTS



Calcrete outcrops,  
Yalgoo Project



# URANIUM STRATEGY

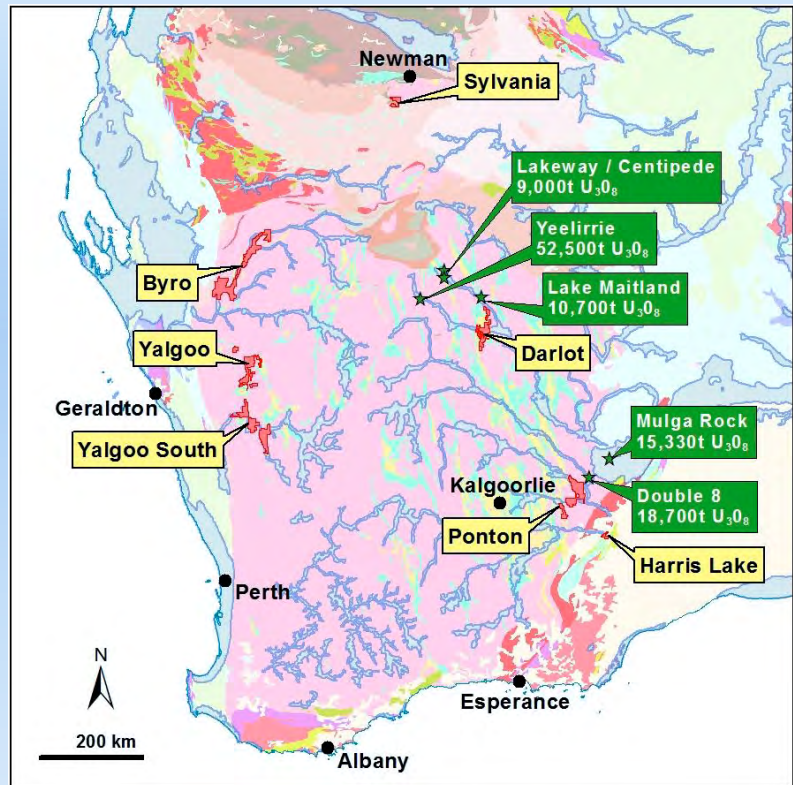
## 2010/2011:

Detailed ENT airborne magnetic/radiometric surveys to identify uranium anomalies associated with calcrete and/or sandstone.

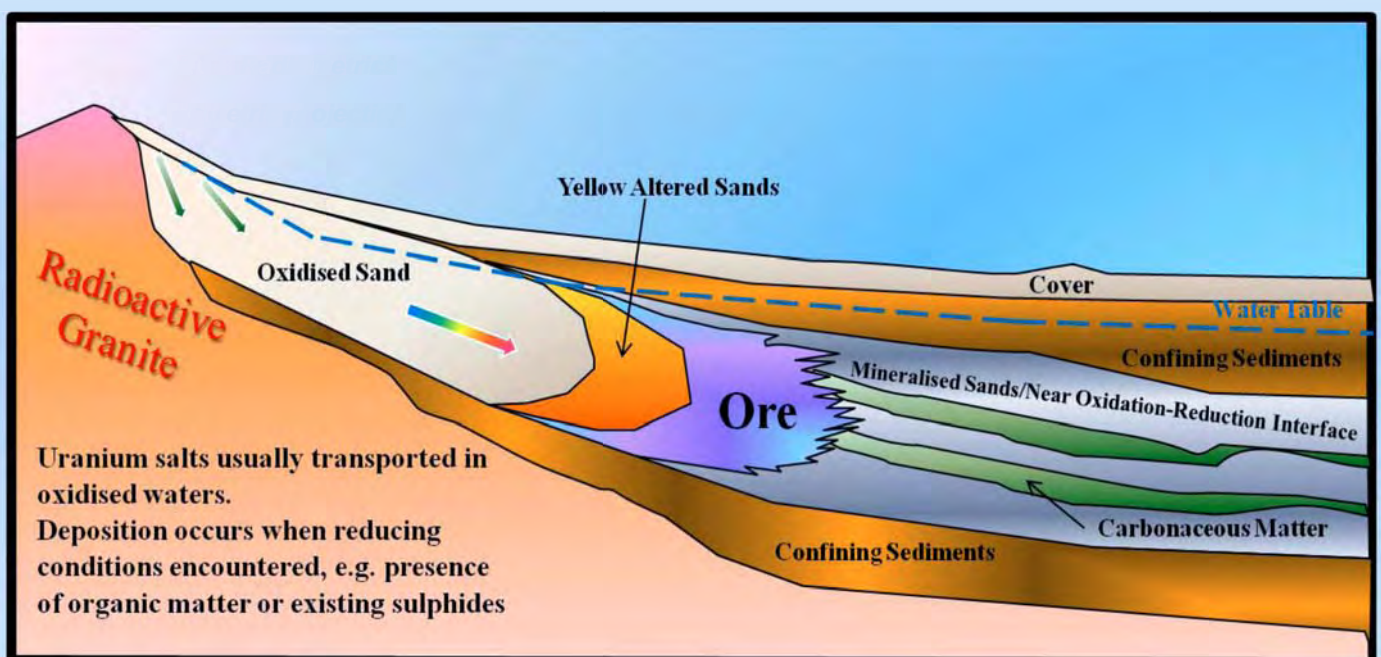
## 2012:

Plus new targets from Gov't survey at Yalgoo South...

**Aircore/RC drill testing**



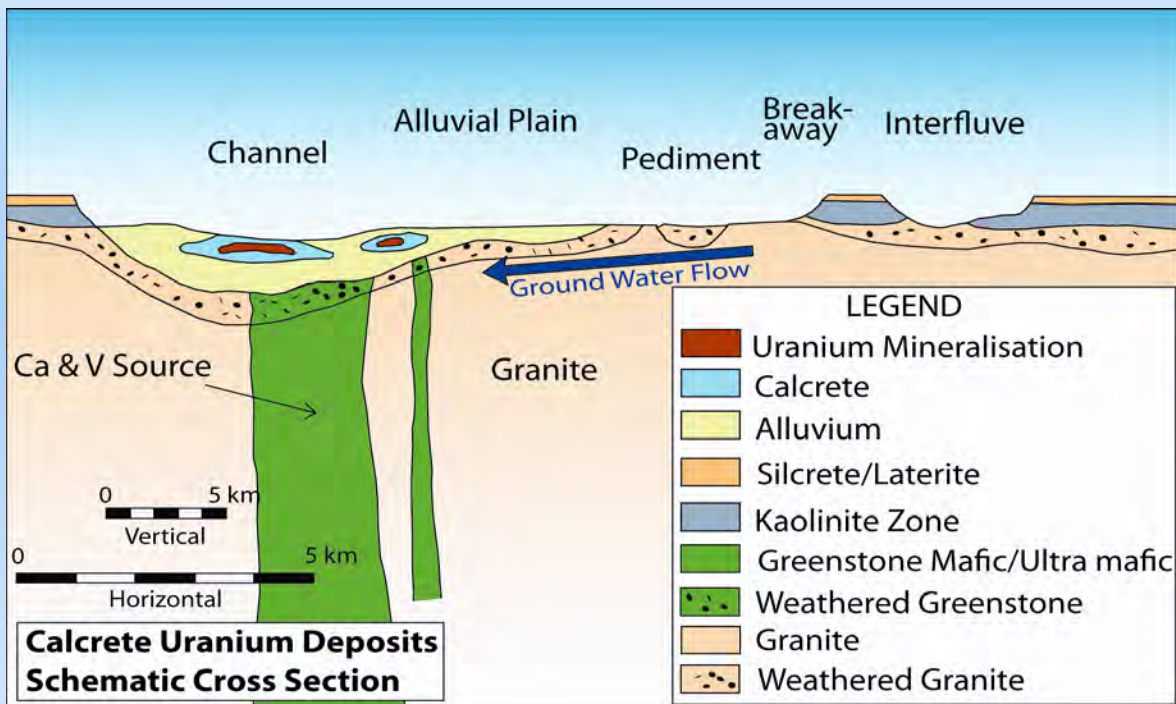
# Roll Front Uranium Model



Model for Sand or Sandstone Hosted Uranium deposits

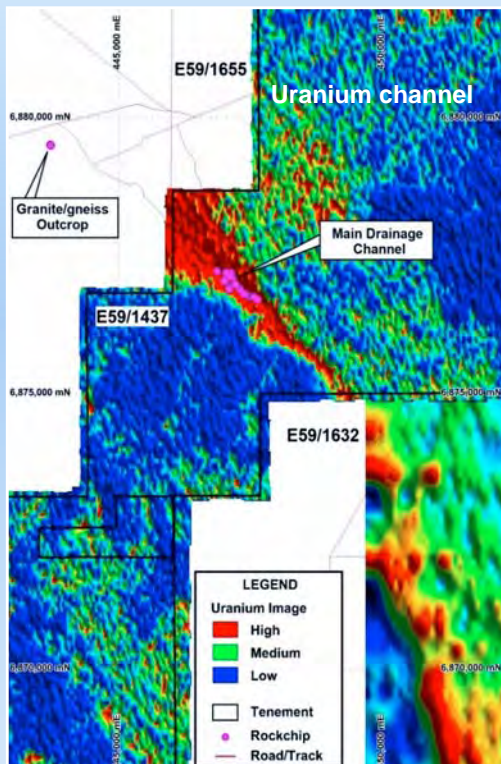


# Calcrete Uranium Model



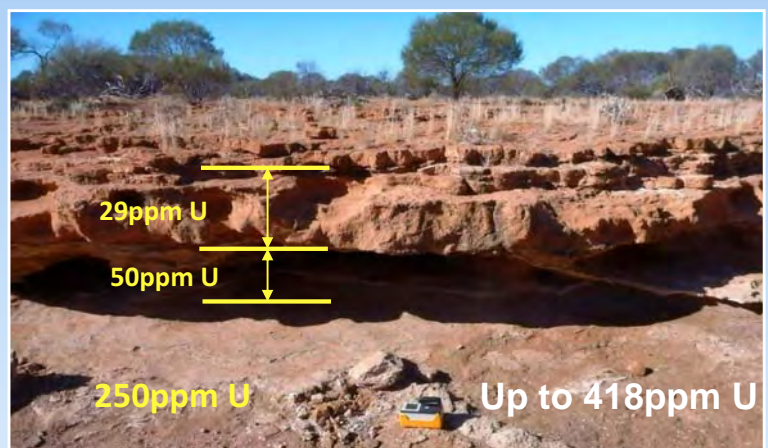
Model for Calcrete Hosted Uranium deposits

# Yalgoo Project

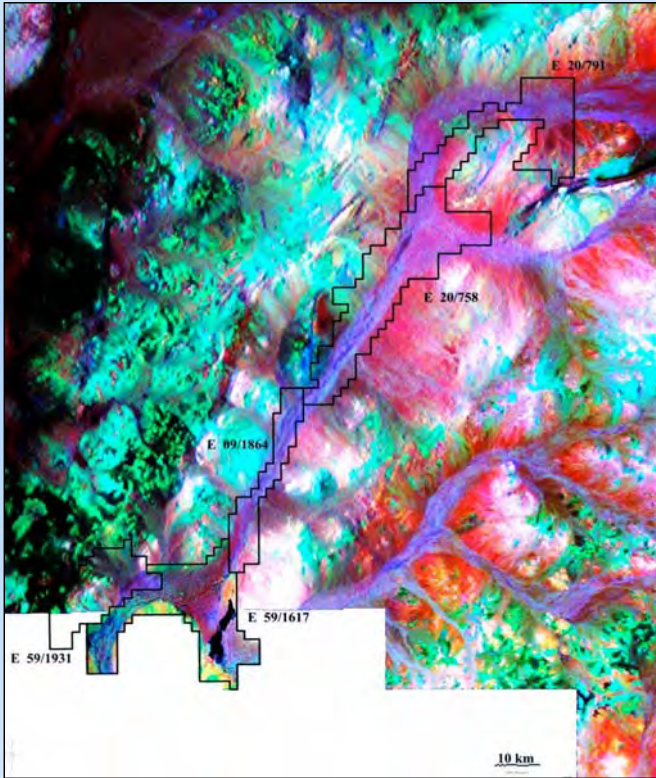


**2011:** Detailed airborne survey. Heritage Survey completed Nov 2011.

**2012:** Aircore drill testing. (March)







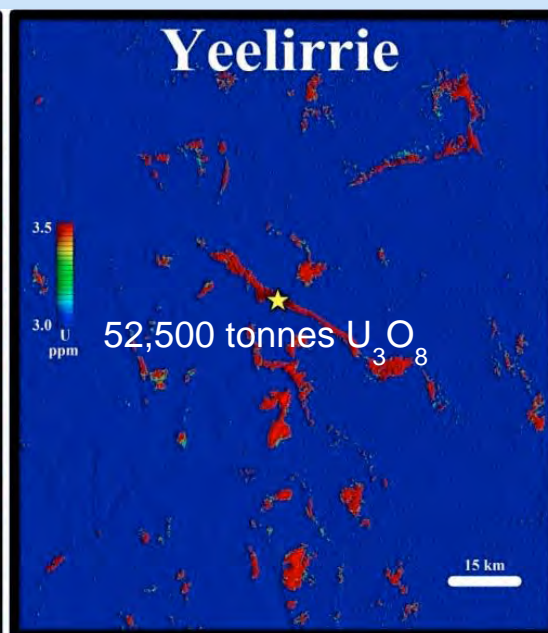
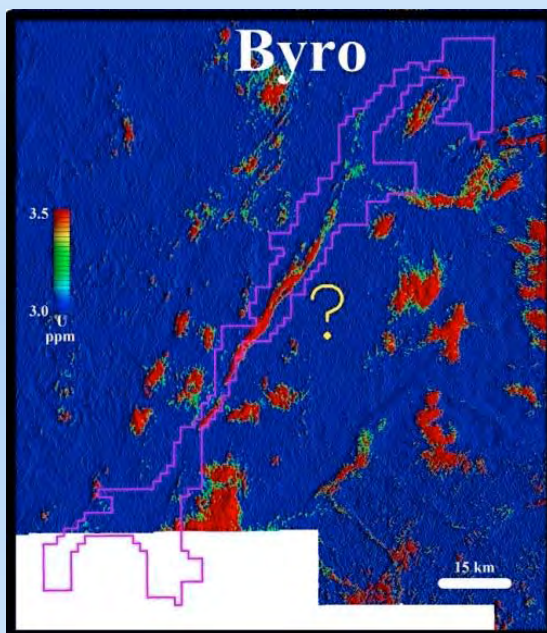
## Uranium Targets

### 1. Calcrete hosted deposit

- Strong airborne radiometric response in Murchison Channel 170km U anomaly.
- Awaiting grant of tenements.

### 2. Sandstone hosted deposit

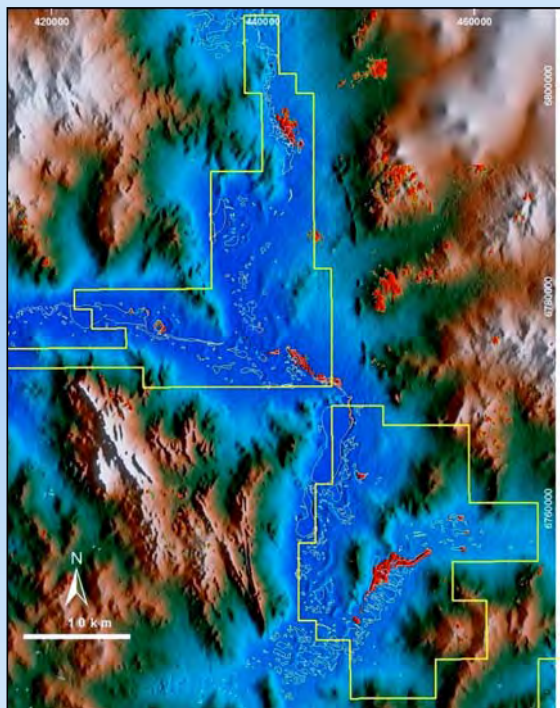
- **2011:** 100m Airborne Survey.
- Uranium anomaly west of Wooleen Lake.
- Granted tenement.
- **2012:** AC/RC drill testing.



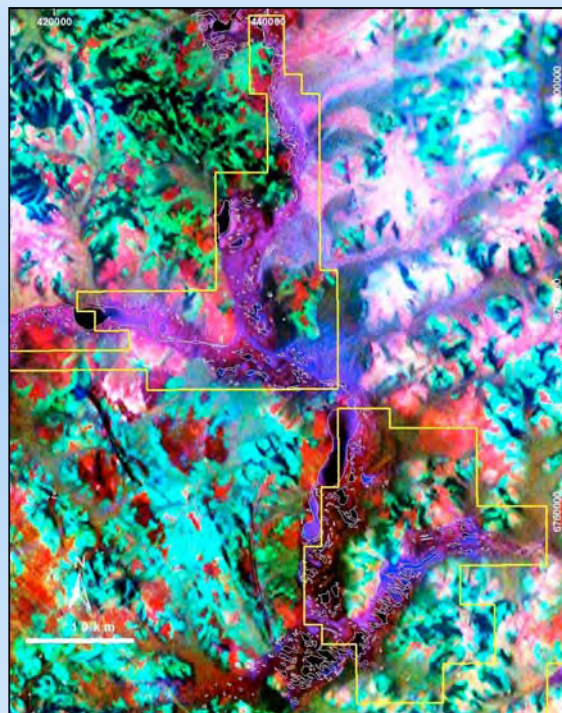
**Strong analogy between Byro and Yeelirrie,  
Australia's largest calcrete hosted Uranium deposit**



# Yalgoo South Project

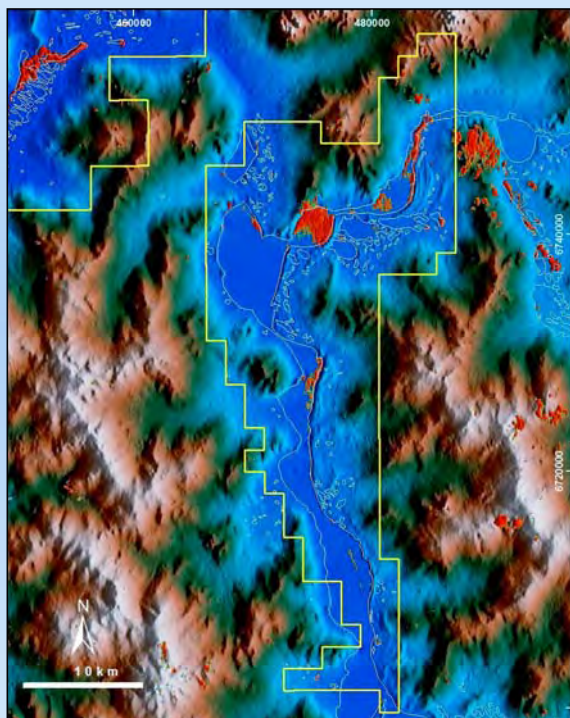


Digital Terrain Model (Topographic) Image

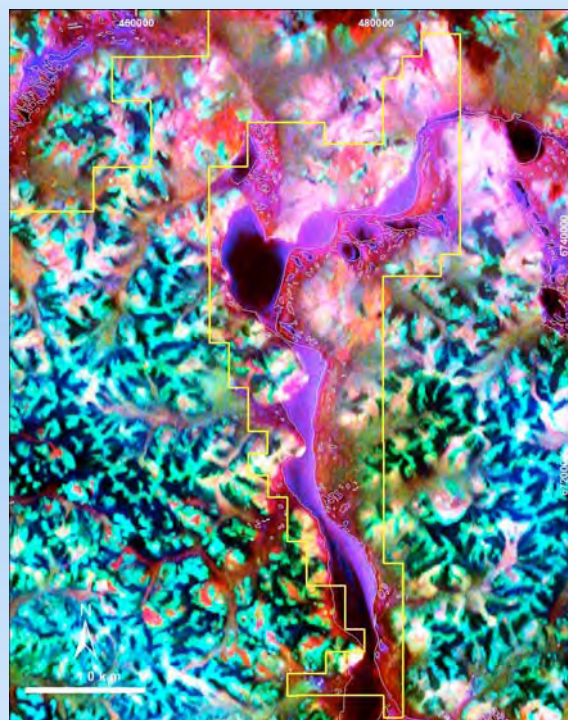


RGB Radiometric Image  
Calcrete Targets in blue/magenta

# Yalgoo South Project



Digital Terrain Model (Topographic) Image

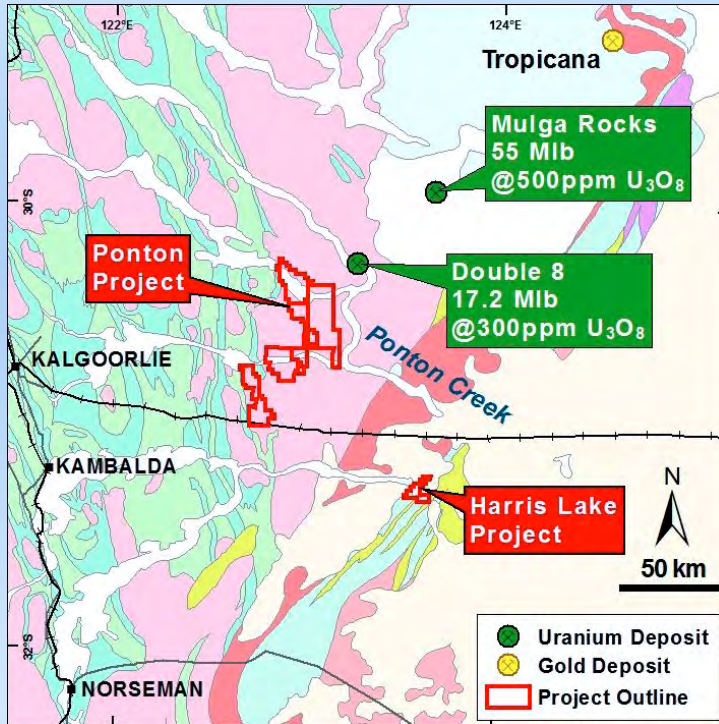


RGB Radiometric Image  
Calcrete Targets in blue/magenta



# Ponton & Harris Lake Projects

## Regional Geology

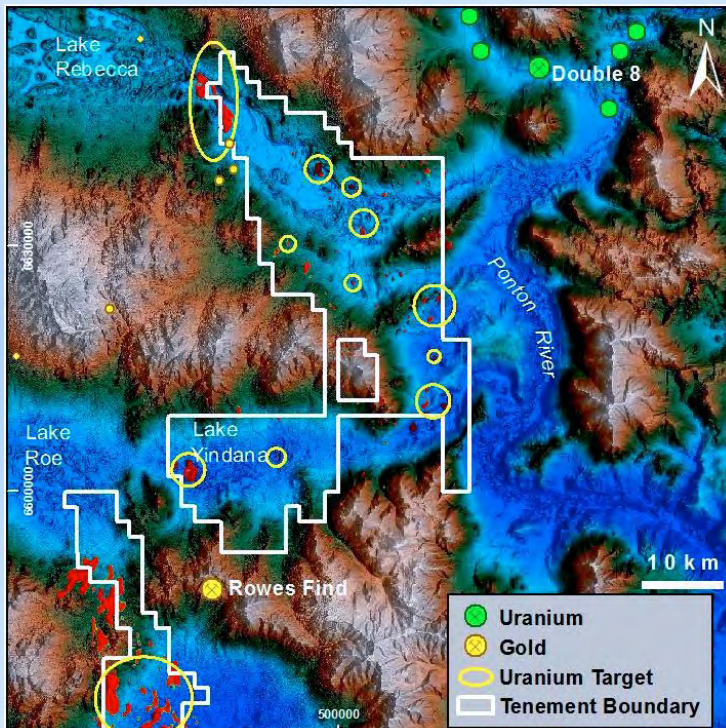


## Target:

Sand or Sandstone hosted uranium deposits

- Strong airborne radiometric responses associated with channel & lake sediments.
- “Elephant country”
- **2012**: Scout Aircore/RC drilling.

# Ponton Project



## 2012 Drill Targets:

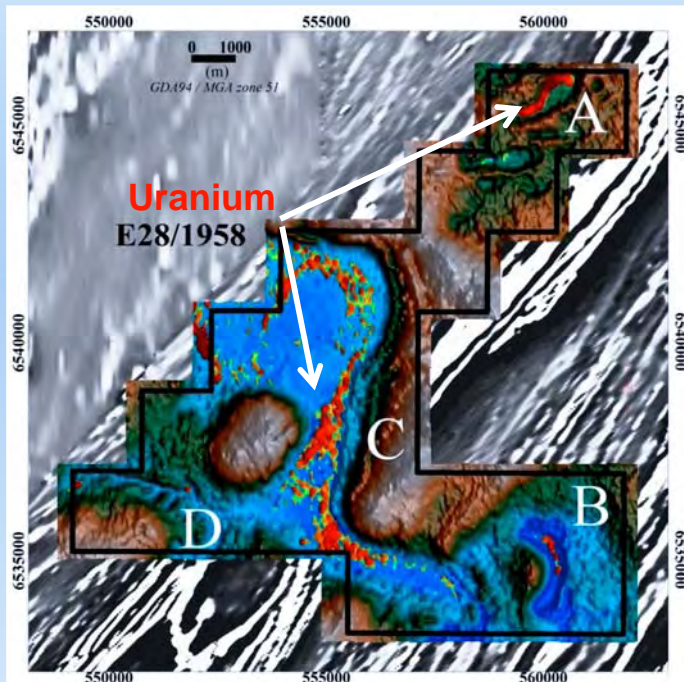
**Target A:** Lake Rebecca.

**Target B:** Lake Yindana.

**Target C:** Lake Roe.

Uranium Channel over Digital Terrain Image





*Uranium Channel over Digital Terrain Image*

## 2012 Drill Targets:

**Target A:** Strong discrete elongate (1,500m x 200m) uranium response.

**Target B:** Coincident with an isolated “oxbow” off main drainage. Discrete (1,000m x 150m) uranium response.

**Target C:** Main anomalous uranium response, 10km long.

**Target D:** EW trending tributary, possibly masked by water in the drainage.

# Reporting of Exploration Results

*The information in this presentation that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dermot Ryan, a Fellow of the Australasian Institute of Mining & Metallurgy. Dermot Ryan is a Director of the Company and a geological consultant to it through XServ Pty Ltd.*

*Dermot Ryan has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a ‘Competent Person’ as defined in the 2004 Edition of the ‘Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Dermot Ryan consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.*