



KALGOORLIE

# WEST AUSTRALIAN GOLDFIELDS WEST AUSTRALIAN NICKELFIELDS

RIU Brisbane Conference 2014

David Crook  
Managing Director



# Disclaimer and Competent Person's Statement

- This presentation is provided to you for the sole purpose of providing preliminary background technical, financial and other information to enable you to review the business activities of Pioneer Resources Limited ("Pioneer" or "the Company").
  - The material provided to you does not constitute an invitation, solicitation, recommendation or an offer to purchase or subscribe for securities.
  - This presentation may contain "forward looking statements" which are made in good faith and are believed to have reasonable basis. However, such forward looking statements are subject to risks, uncertainties and other factors which could cause the actual results to differ materially from the future results expressed, projected or implied by forward looking statements.
  - The information within this report as it relates to geology and mineralisation was compiled by Mr. David Crook who is a full time employee of Pioneer Resources Limited, a member of The Australasian Institute of Mining and Metallurgy (member 105893) and is a Competent Person as defined by the 2012 JORC Code, having five years experience which is relevant to the style of mineralisation and type of deposit described in the Report. This person consents to the inclusion of this information in the form and context in which it appears in this report.
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- Note 1. (Acra) Refer to the Company's Quarterly Activities Report ending 31 December 2013, 31 January 2014.
  - Note 2. (Acra) Refer to the Company's announcements dated 16 April 2014, 22 October 2014.
  - Note 3. (Blair) This information is disclosed under the JORC Code 2012 in an in an announcement dated 20 May 2014.
  - Note 4. (Fairwater) Refer to a Company announcement to ASX dated 21 July 2014.
  - Note 5. (Juglah Dome) refer to earlier Pioneer announcements to ASX where these results were reported under the JORC 2004 guidelines, including 20 July 2012 and 5 October 2012.
  - Note 6. (Juglah Dome) Refer to a Company announcement to ASX dated 14 July 2014 and 24 October 2014.
  - The Company it is not aware of any new information or data that materially affects the information included in this Presentation

# *Investment Highlights*

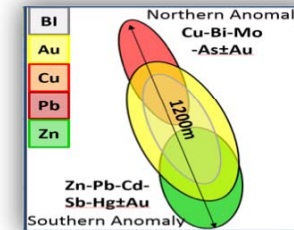
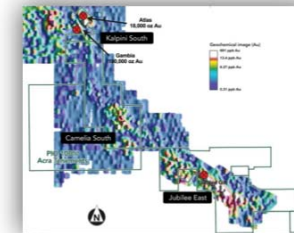
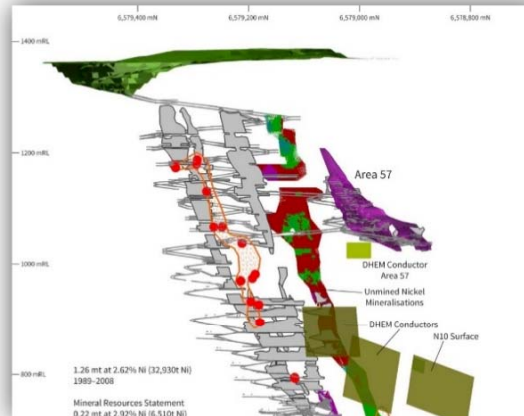
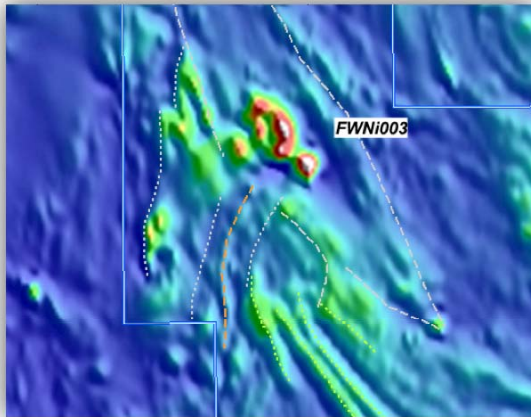
- FOCUSED
  - Projects within the world class Eastern Gold (and Nickel) fields
- FUNDED
  - \$2.9 million cash and near-term receivables
- ACTIVE
  - (but very mindful of our cash)



# *Drilling Commences This Morning*

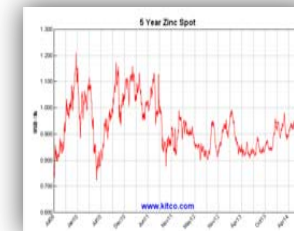


# Pioneer at a Glance



- Hottest WA property  
- the Albany Fraser Orogen
- Priority FWNi003 target

- Nickel exposure through 100% ownership of the Blair Nickel Mine.
- Re-open concept study commenced



## Project Pipeline

# A Well-Credentialed Board

## And key consultants



### ***Dr Nigel Brand***

WMC, Anglo American, Xstrata,  
ioGeochemistry, Geochemical Services  
(Pioneer 2 years)

### **Don Huntly**

WMC, Jubilee, Xstrata, Endeavour Geoscience  
(Pioneer 2 years)



# Corporate Snapshot

## FOCUSED

Western Australia-focused explorer

## FUNDED

\$2.9 million in cash and receivables

## ACTIVE

Financial capacity to explore and make discoveries

## LEVERAGE

On 21/7/2014 shares rose 200% to \$0.03cps on the back of the announcement of a Fraser Range Target

77 million shares have traded since.

Current share price	1.7 cents
Shares on issue	611.5 million
Unlisted options	58 million
12-month range	0.8 – 3.0 cents
Cash (approx)	\$2.0 million
Cash receivables	\$1.1 million
Market capitalisation	\$10.5 million



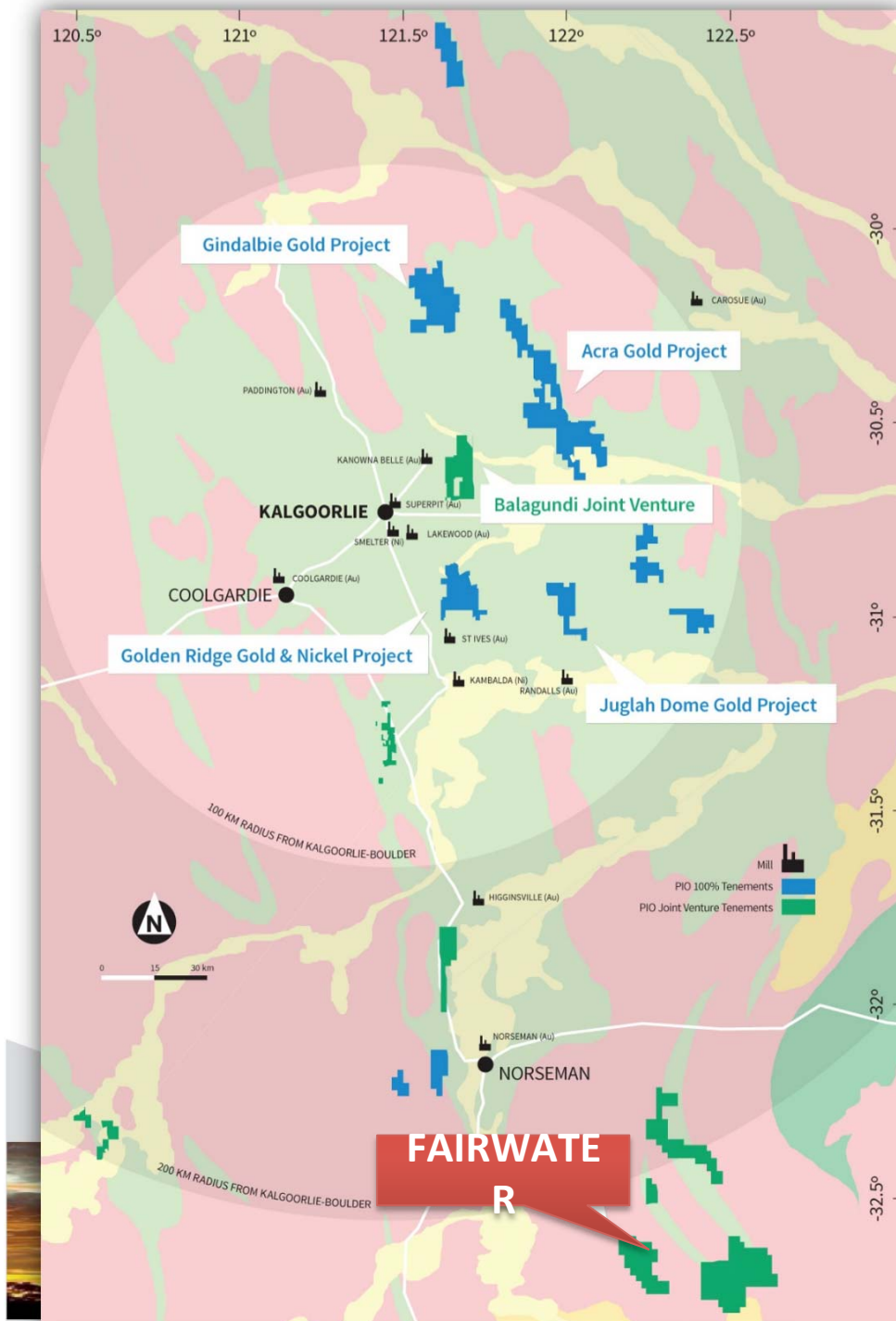
## *Geographic Focus Eastern Gold Fields*

Eastern Gold Fields (equally Eastern Nickel Fields)

Key Projects and Locations

- Fairwater Nickel Project
- Blair Nickel Mine
- Juglah Dome Base Metals
- Acra Gold Project

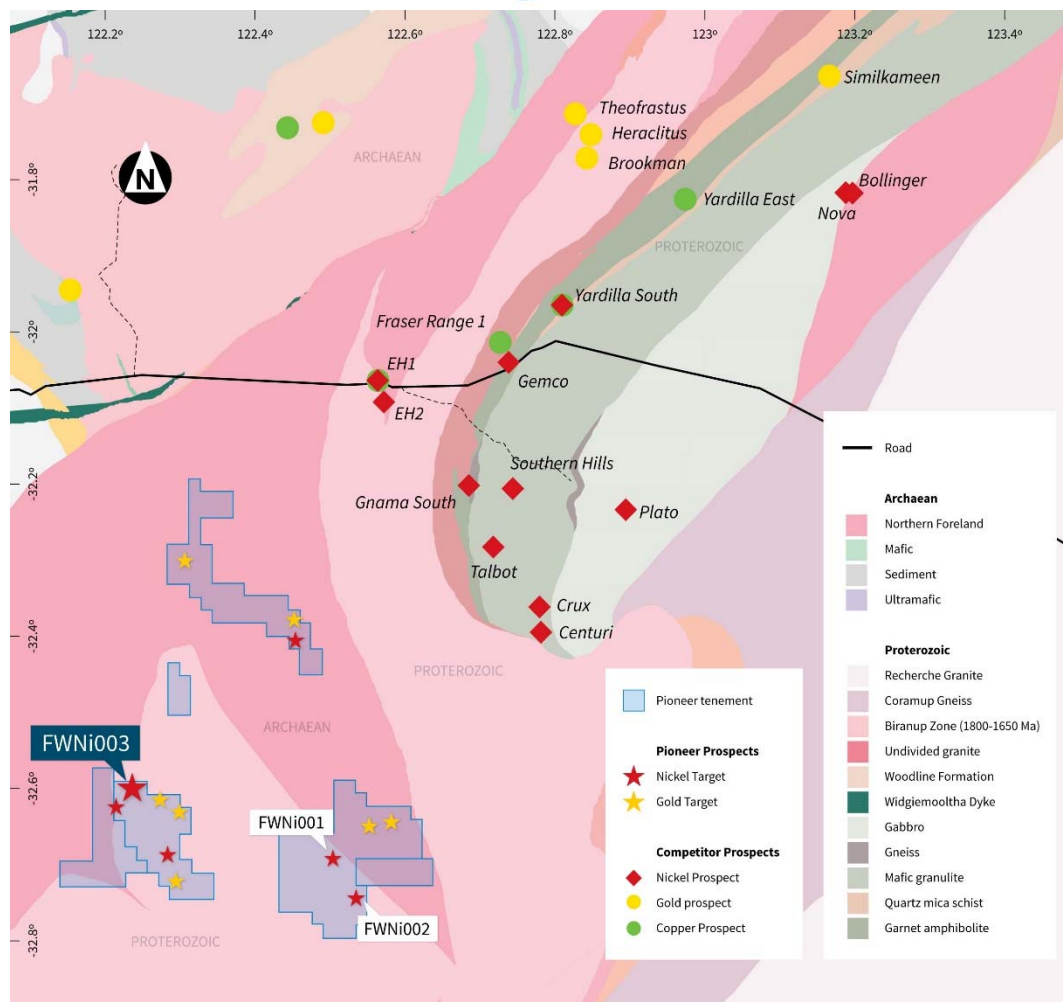




## *Geographic Focus Eastern Nickel Fields*

# Fairwater Nickel Project Albany Fraser Ranges

# Geographic Focus : Albany Fraser Fairwater Project (PIO 75%)



## What we know...

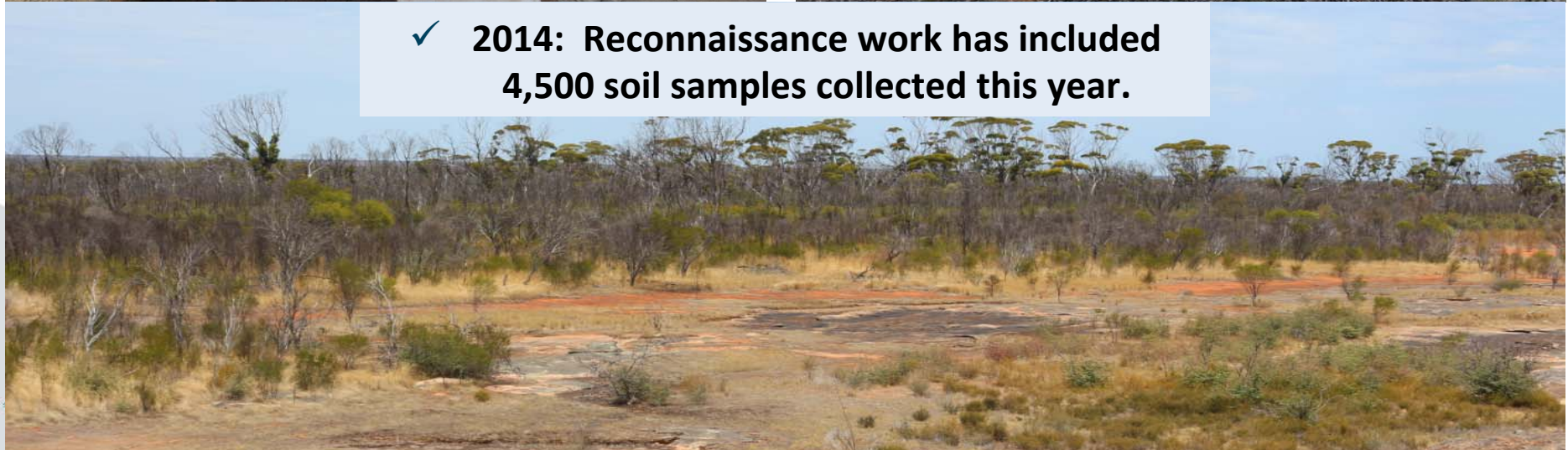
- ✓ Ground position - 742 km<sup>2</sup>
- ✓ 105 km SW of Nova- Bollinger nickel discoveries
- ✓ Both Archaean and Proterozoic Terrains
- ✓ 2013: First Geochem-EM drill target identified at FWNi001
- ✓ 2014: FWNi003 ( and others) emerge
- ✓ Geochemistry indicates mafic-UM stratigraphy present

# Emerging Fraser Range Nickel

FWNi003

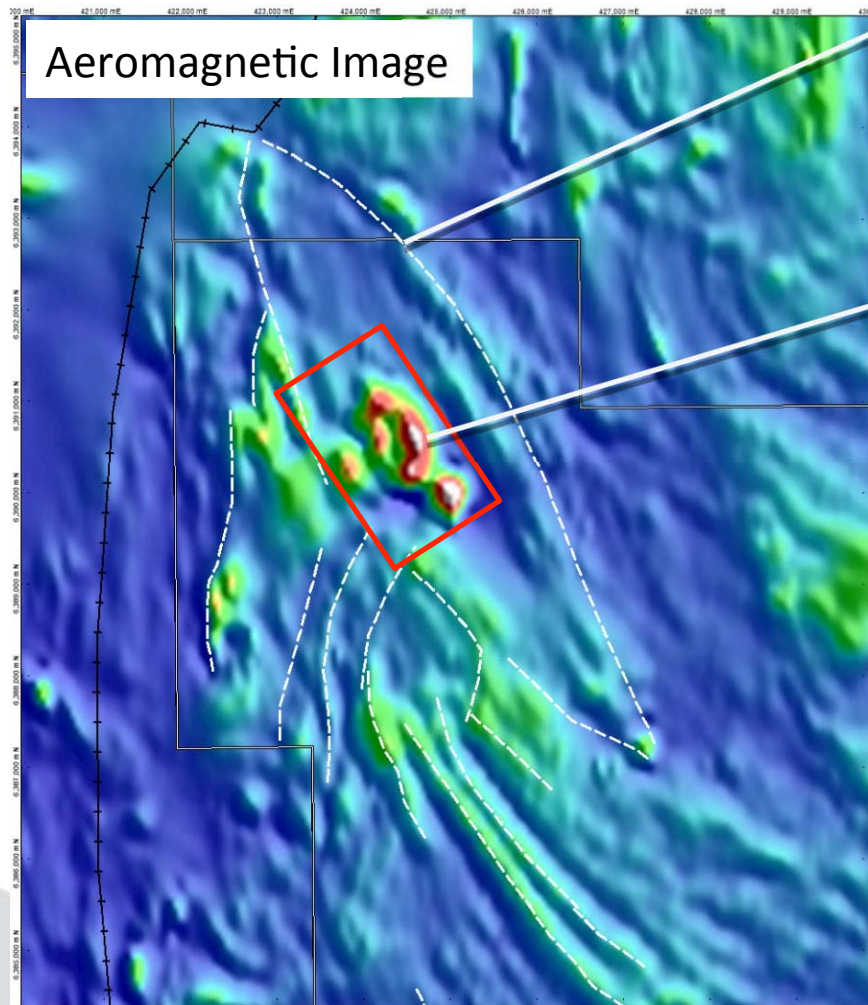


- ✓ 2014: Reconnaissance work has included 4,500 soil samples collected this year.



# Emerging Fraser Range Nickel

## FWNi003



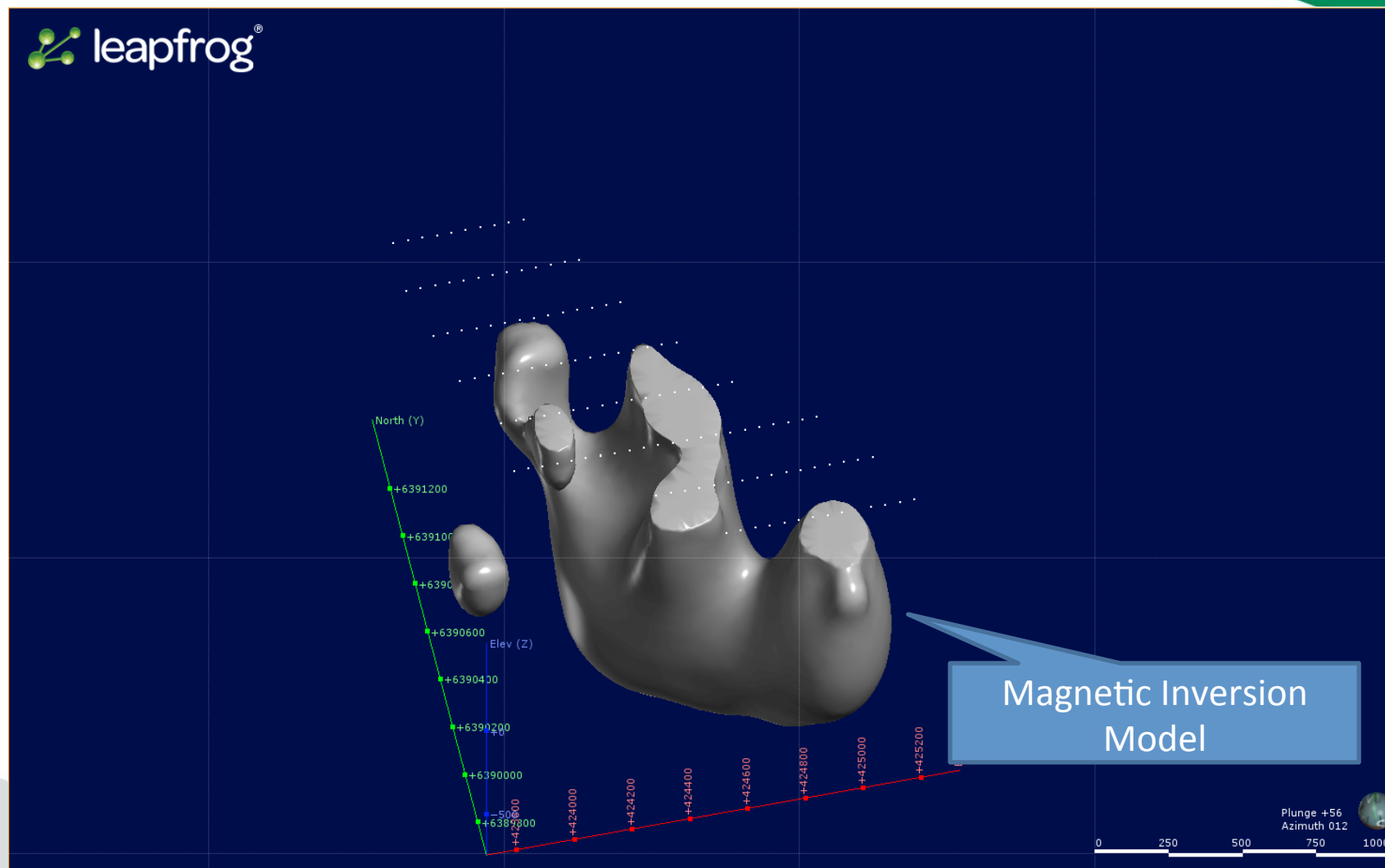
Aeromagnetic Imagery shows an 8 kilometre long, NW-trending oval structure

Internal 2 kilometre long core of clustered, chrome-anomalous, magnetic rocks represents FWNi003.

- Geometry: Proterozoic-aged oval geological structure
- Age Relationship: tramline stratigraphy disrupted
- Geophysics and Geochemistry: multiple internal magnetic bodies with coincident anomalous Ni and Cr, Cu and PGE
- Scale: FWNi003 structure strike length is 8 kilometres
- Regional Structure: within 4 km of a major thrust fault

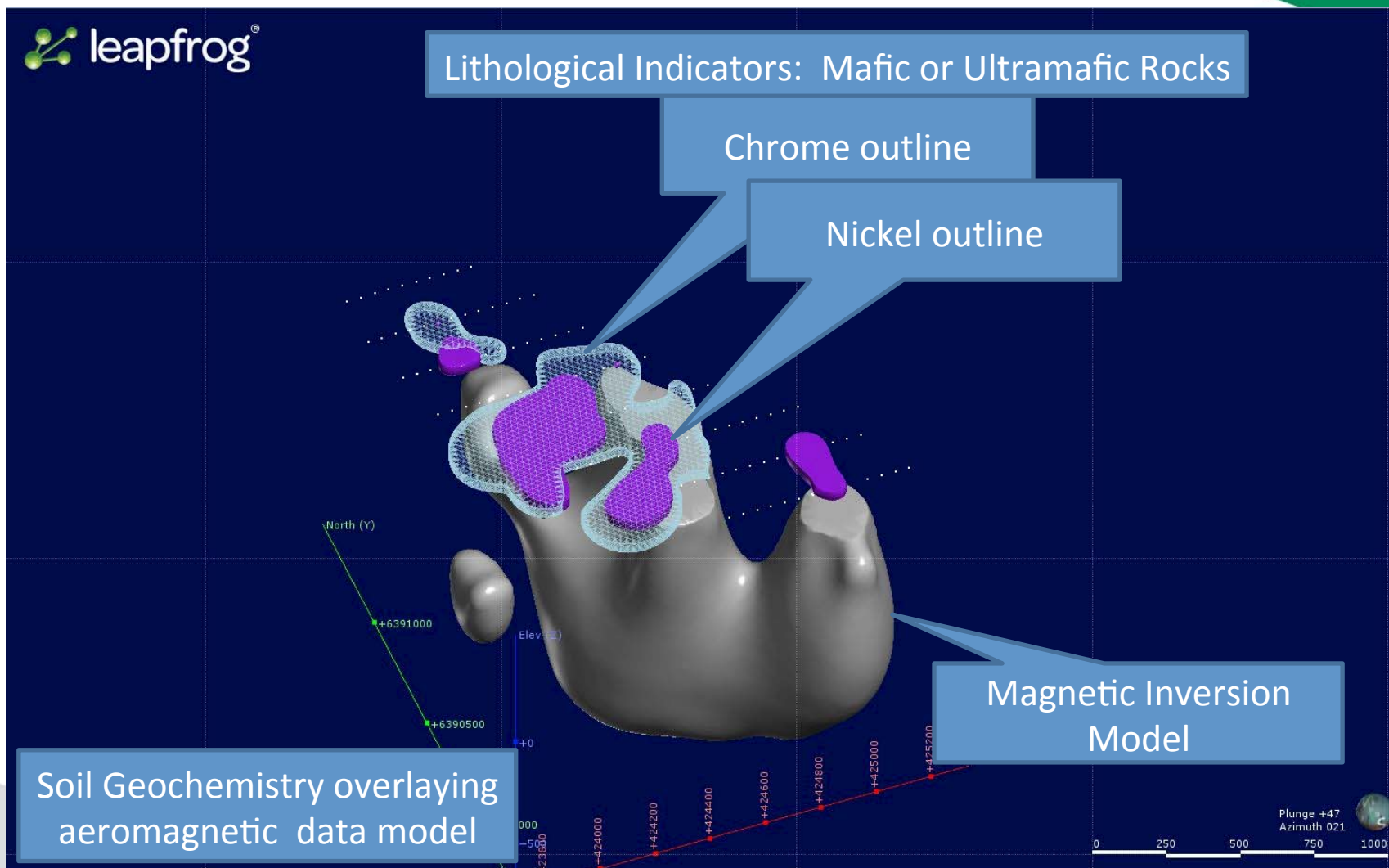
# Emerging Fraser Range Nickel

FWNi003



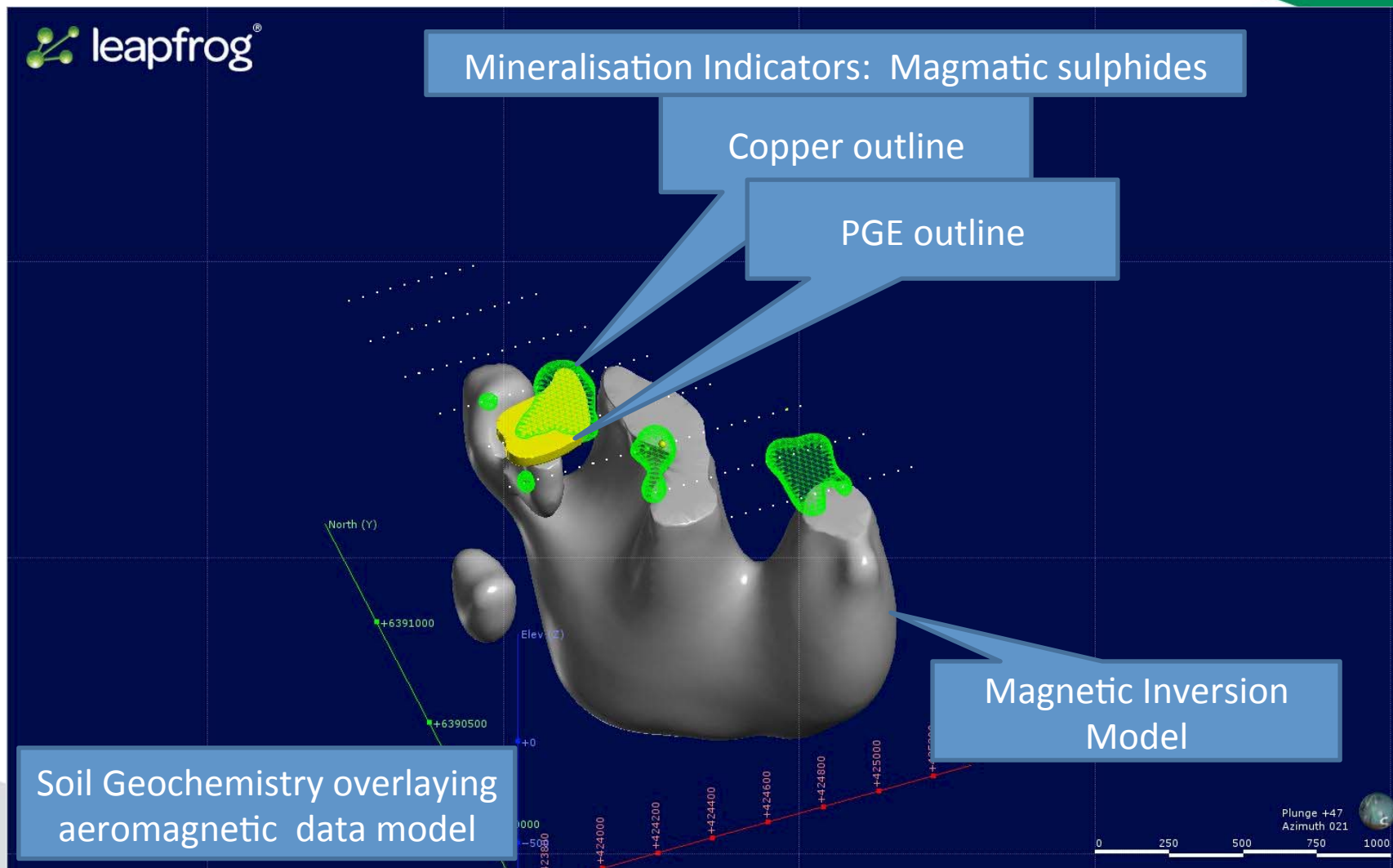
# Emerging Fraser Range Nickel

FWNi003



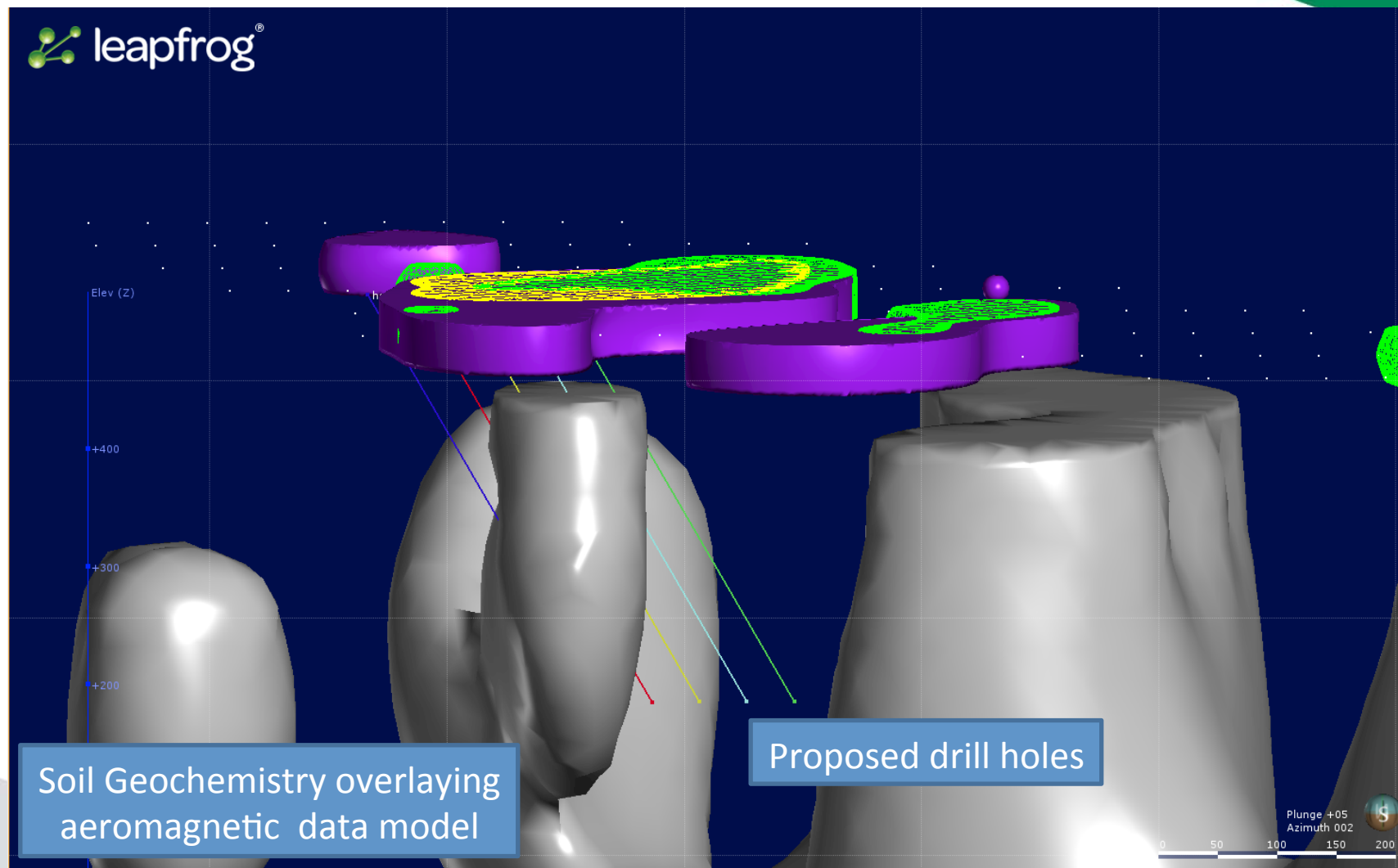
# Emerging Fraser Range Nickel

FWNi003



# Emerging Fraser Range Nickel

FWNi003

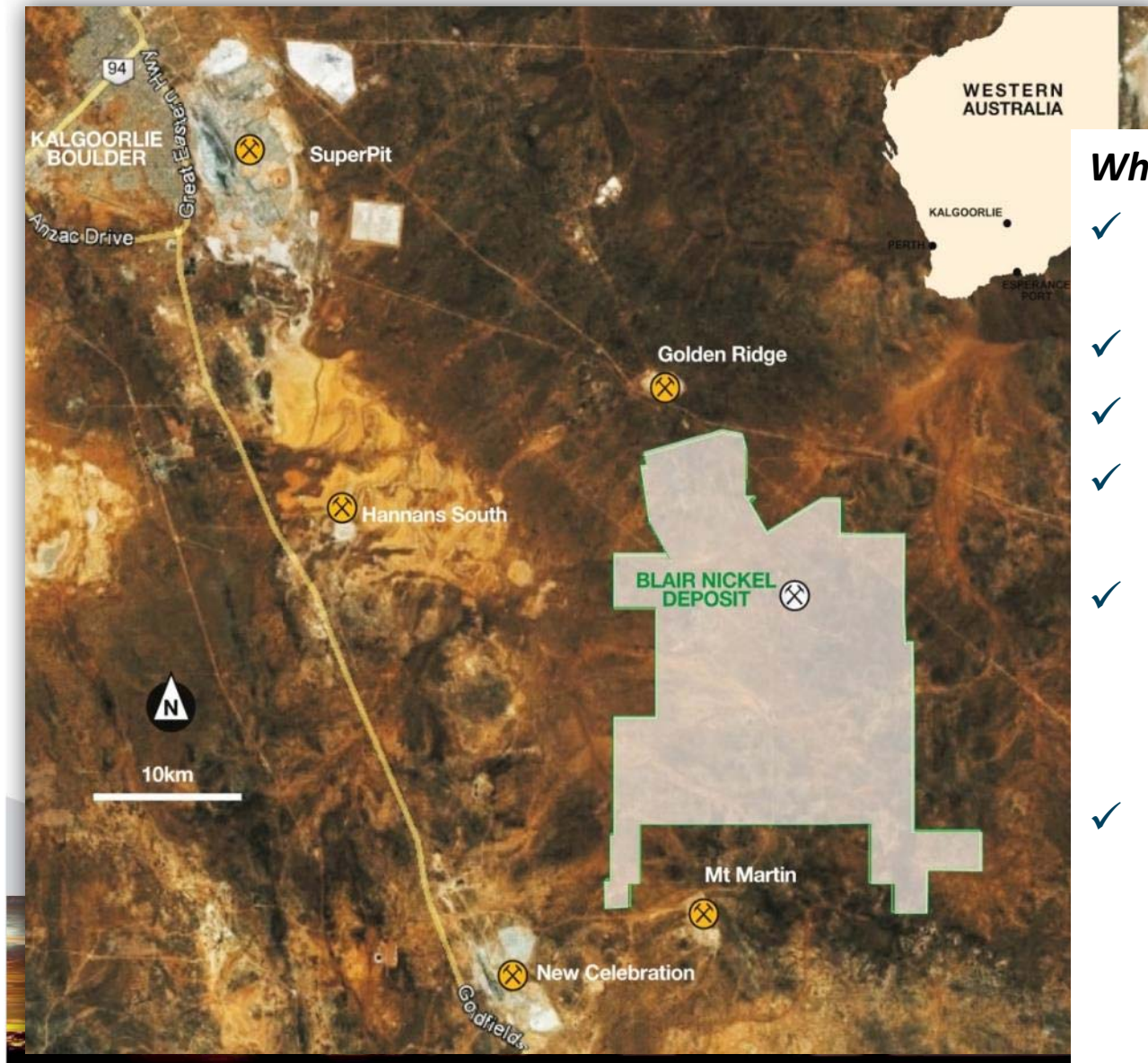


## *Geographic Focus Eastern Nickel Fields*

### **Golden Ridge Project Blair Nickel Mine**



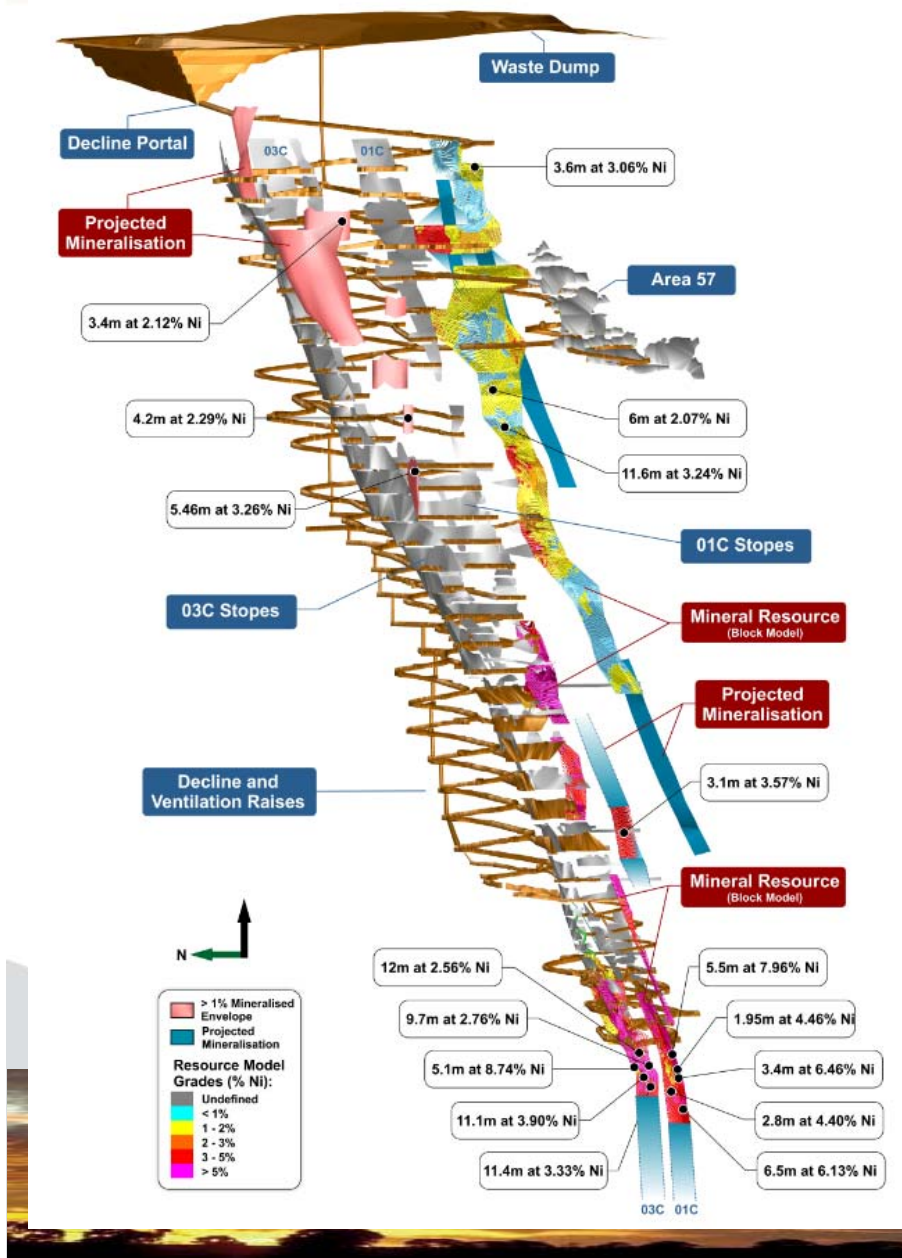
# Geographic Focus: Kalgoorlie Golden Ridge Au-Ni Project



## What we know...

- ✓ 20km from Kalgoorlie, 30km from Kambalda
- ✓ 100% owned by Pioneer
- ✓ Offtake agreement with BHP-B
- ✓ Mine closed due to low nickel prices in 2008
- ✓ 2013: Remnant and potential mineralisation modelling. Mineral Resource statement: 222,710t at 2.92% Ni
- ✓ 2014: Testing the model. EM survey under way

# Mineral Resource estimate completed



## The Blair Mine...

### ✓ Mineral Resource estimate :

Class	Tonnes	Ni	Ni Metal
	(t)	(%)	(t)
Indicated	75,560	4.37	3,300
Inferred	147,150	2.18	3,210
Total	222,710	2.92	6,510

Note: Appropriate rounding applied

- ✓ High grade mineralisation (>4% Ni at the base of the mine development - 950m)
- ✓ Shallow drill intercepts on endowed surfaces near the mine are the focus of the expansion strategy

## 02 Surface Drill Intercepts

GOD018: 8.5m at 1.30% Ni

BLD049: 1.05m at 5.99% Ni

BU07\_19: 4.2m at 2.62% Ni

BU11\_01: 5.46m at 3.73% Ni

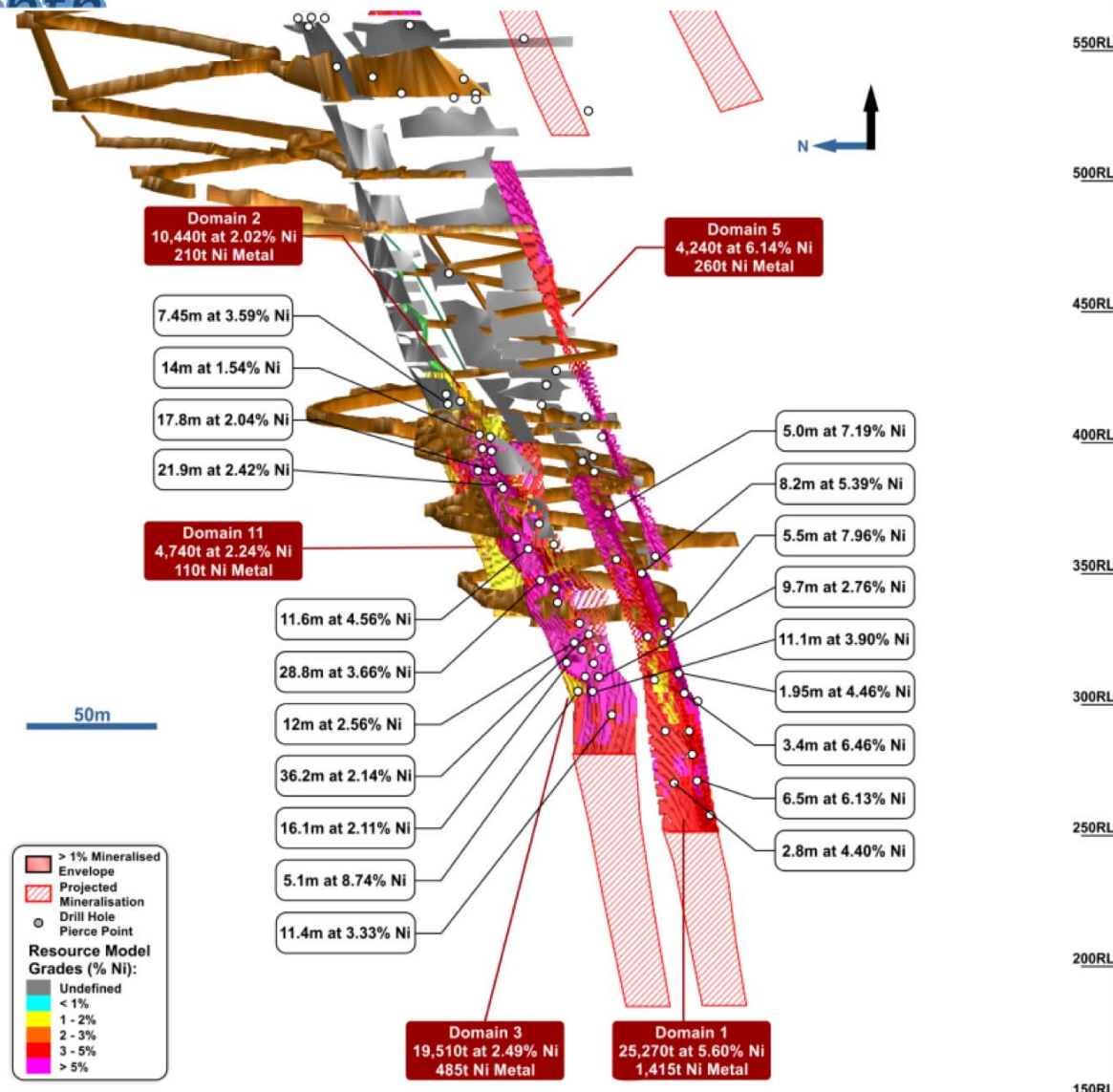
AMUG069: 0.98m at 6.87% Ni

Refer to Note 3 when considering these assay results.



# A feature of Kambalda-style nickel sulphide deposits is their persistence with

depth



- Mineralisation mined in continuous shoots from surface to 900m in depth
- Grade of the nickel mineralisation intersected by drilling below the mine shows good down plunge continuity
- As with some other Kambalda mines that operate at depths below 1,000m mineralisation may extend well below the present Mineral Resource model

Refer to Note 2 when considering this information.

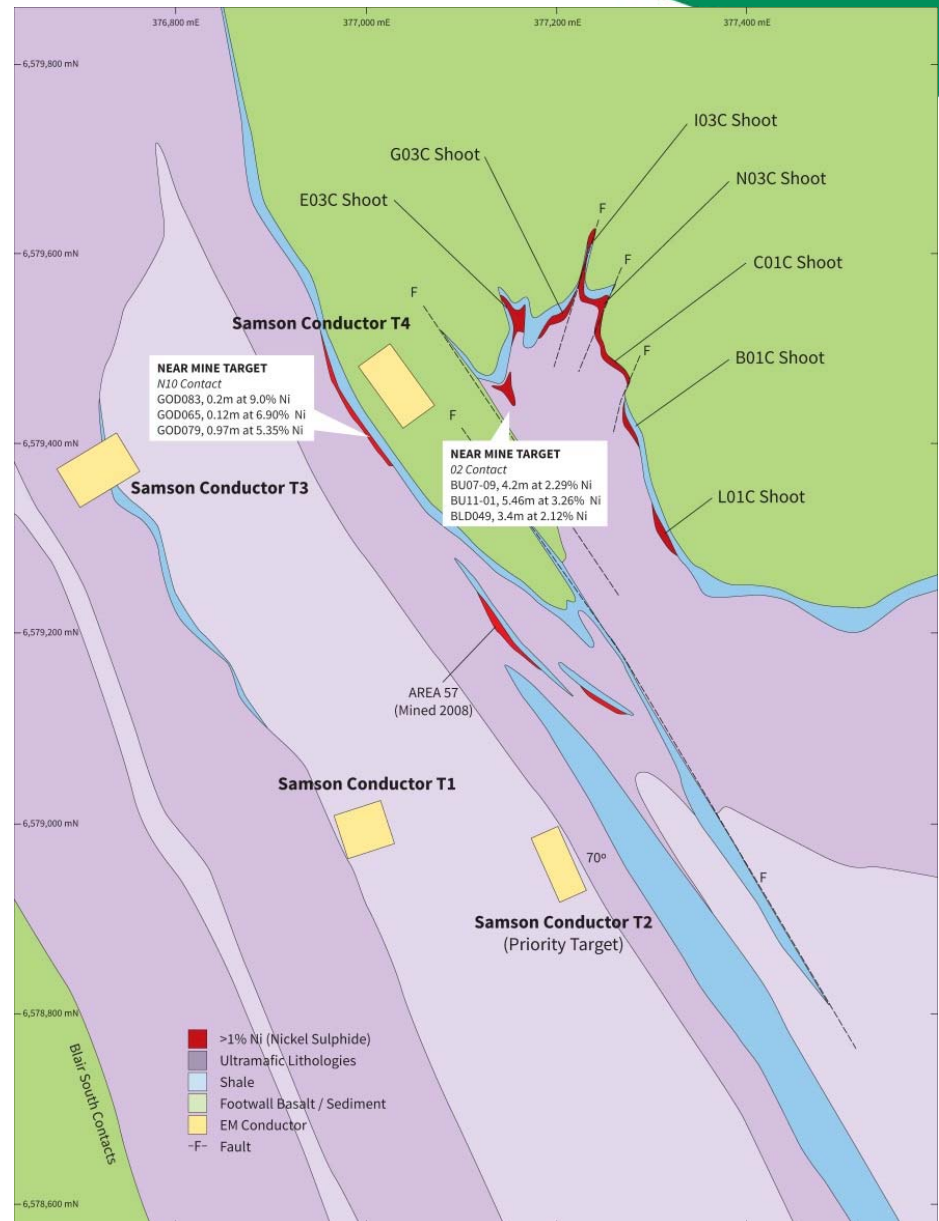
# Blair – Near Mine Exploration

Prospective basal contact positions with mineralised intercepts and multiple stand-out target areas over a strike length of >2km

- 01 Contact (Southern Extension)
- N10 Contact & Area 57 South Contacts
- 02 Contact
- Blair Deeps (B01C Shoot)

## Regional Exploration Targets

- Marshalls, Black Shadow and Anomaly 11 within 10km of the mine



## *Geographic Focus Eastern Gold Fields*

# Juglah Dome Project Emerging VMS at Dingo Dam

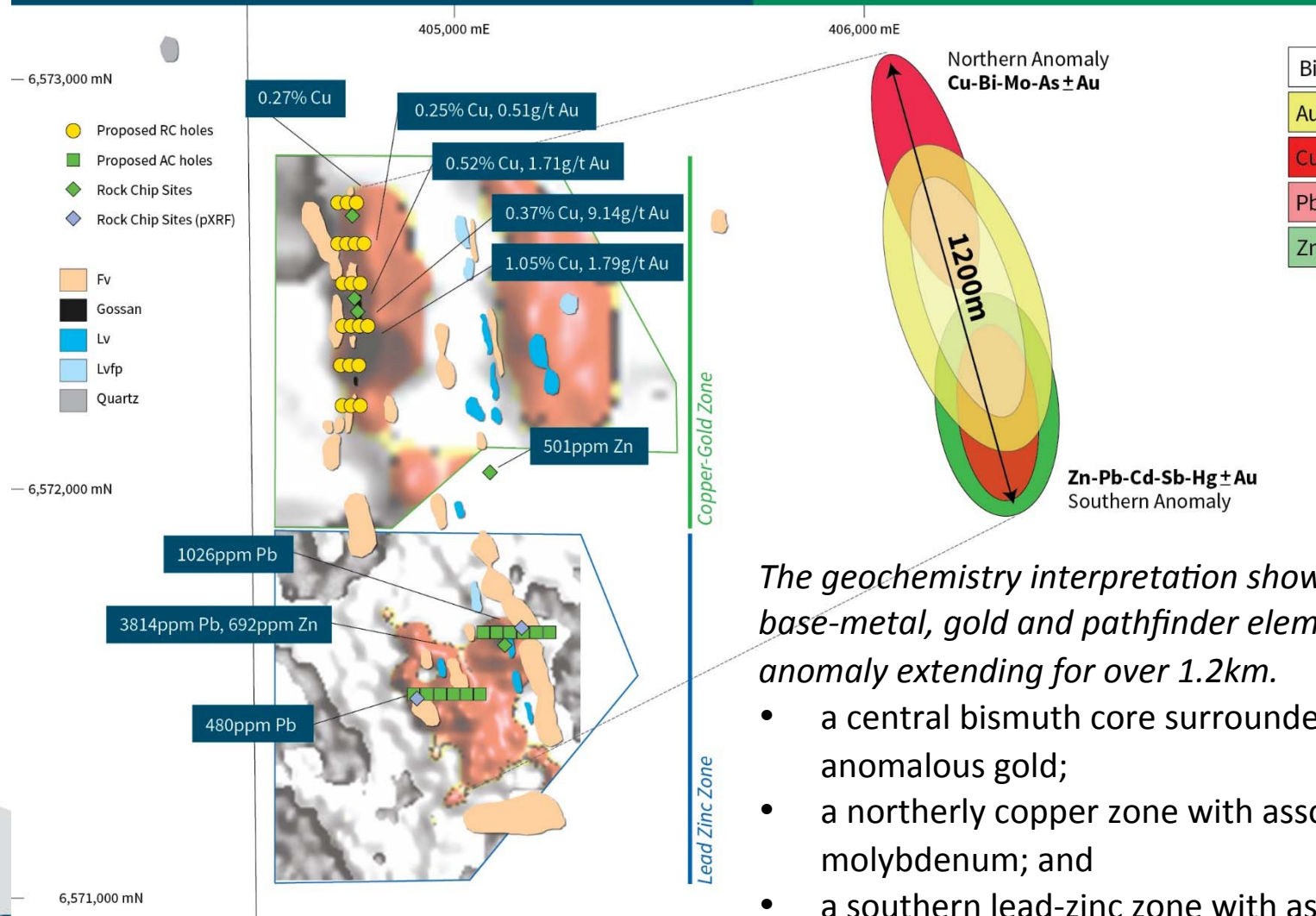


# Emerging Juglah Dome Prospect

## Cu-Au and Pb-Zn at Dingo Dam

DINGO DAM POLYMETALLIC GEOCHEMISTRY TARGETS

GEOCHEMICAL VECTORING



*The geochemistry interpretation shows a zoned base-metal, gold and pathfinder element anomaly extending for over 1.2km.*

- a central bismuth core surrounded by anomalous gold;
- a northerly copper zone with associated molybdenum; and
- a southern lead-zinc zone with associated cadmium, antimony, and mercury.

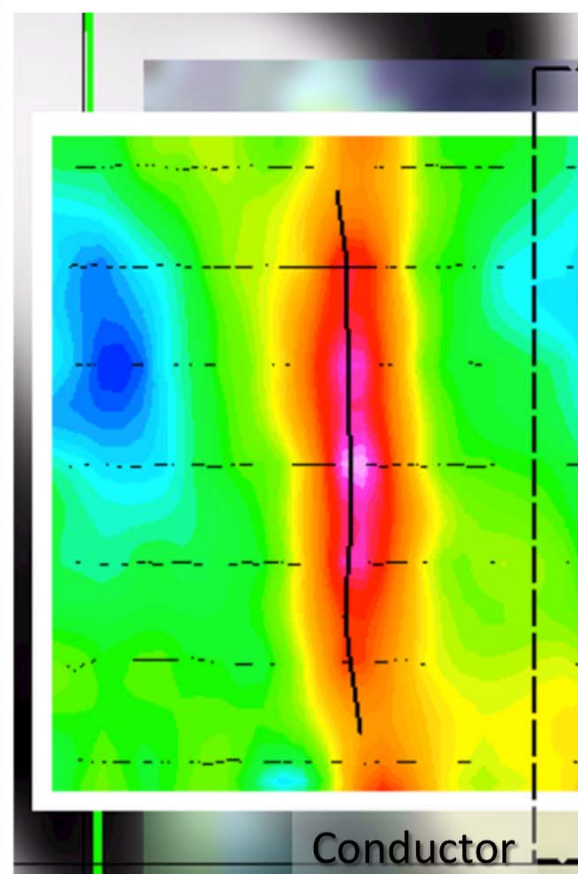
Refer to Note 3 when considering this information.

# Emerging Juglah Dome Prospect

*Cu-Au and Pb-Zn at Dingo Dam*



Gossan



Conductor



Drill Target

## Starting this week

- EM Survey, followed by RC drilling targeting copper-gold gossan
- Aircore drilling targeting lead – zinc zone

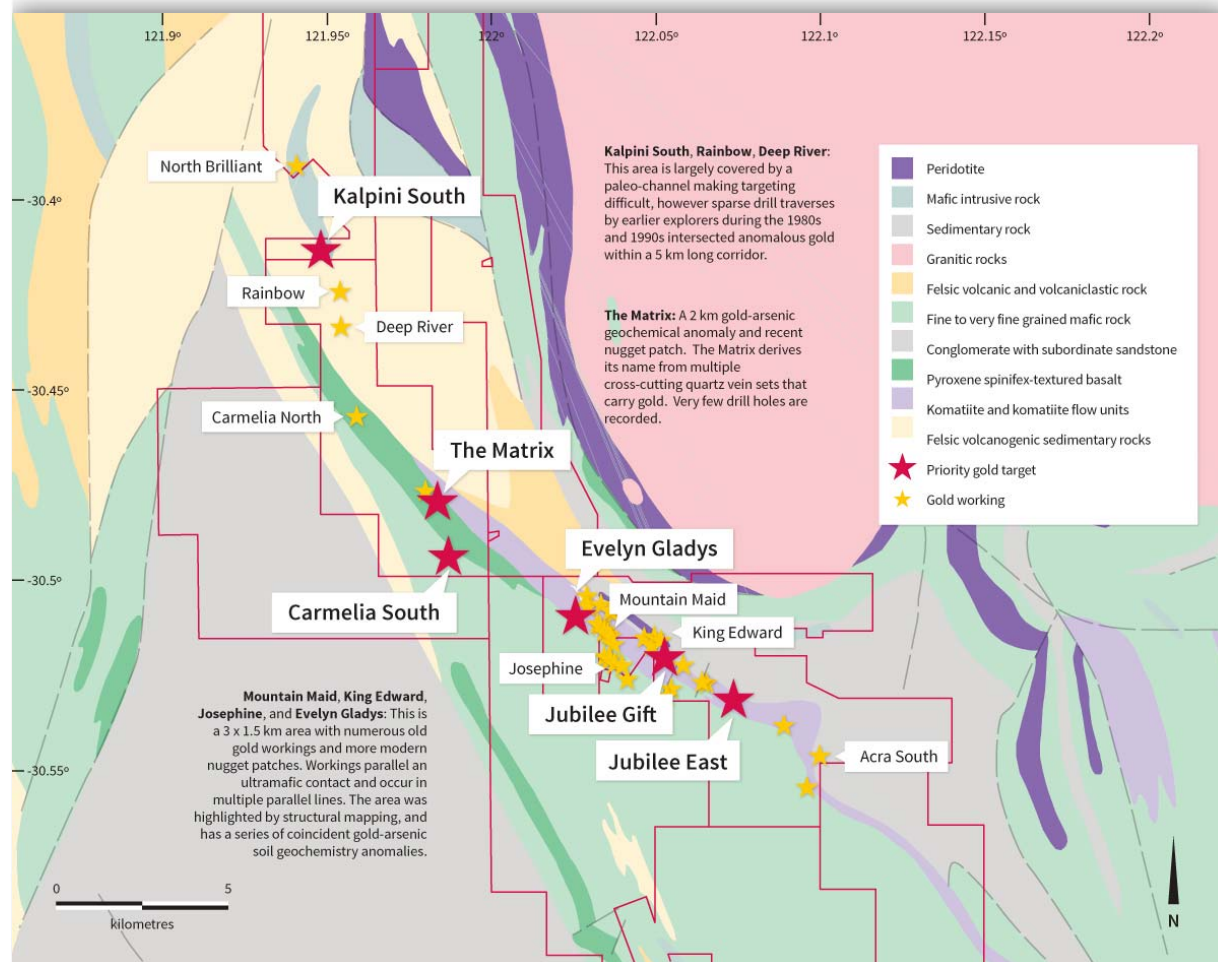
## *Geographic Focus Eastern Gold Fields*

# Acra Gold Project



# Acra Gold Project

continues to excite



Drilling Results confirm gold endowment.

## Kalpini South:

KSRC004: 10m at 6.38g/t from 61m  
 KSRC005: 9m at 5.31g/t from 36m  
 KSRC007: 15m at 2.93 from 94m  
 KSRC018: 12m at 2.62g/t from 98m

## Jubilee East:

JERC002: 13m at 2.84g/t from 27m  
 JERC003: 2m at 12.42g/t from 57m  
 JERC007: 4m at 8.1g/t from 34m  
 JERC010: 7m at 2.6g/t from 101m  
 JERC038: 8m at 2.14g/t from 52m

## Camelia South - Regolith:

CSRC002: 3m at 3.68g/t from 42m  
 CSRC003: 3m at 4.34g/t from 45m  
 CSRC012: 4m at 2.48g/t from 60m  
 CSAC018: 6m at 4.39g/t from 57m  
 CSAC028: 6m at 3.77g/t from 96m

- Refer note 4 for all results except KSRC018, refer note 2

# Proposed Q3-Q4 2014 Work Program

	September	October	November	December
<b>Fairwater</b>	<b>Heritage/CMP</b>	<b>Access/Botany</b>	<b>POW/EM</b>	<b>Drilling</b>
	<b>Complete</b>	In train	Planned	3500m
<b>Acra</b>	<b>AC Drilling</b>			
	Complete			
<b>Juglah Dome</b>	<b>EM Survey/ AC Drilling</b>	<b>RC Drilling</b>	<b>Geochem</b>	<b>RC Drilling</b>
	Complete	In train	Planned	planned
<b>Golden Ridge</b>	<b>Geochem/EM Survey</b>	<b>AC Drilling</b>	<b>Geochem</b>	
<b>(inc Blair Mine)</b>	Complete	Complete	Planned	

# *Investment Highlights*

## ■ FOCUSED

- Projects within the world class Eastern Gold (and Nickel) fields

## ■ FUNDED

- \$2.9 million cash and near-term receivables

## ■ ACTIVE (but very mindful of our cash)

- Emerging Nickel targets at FAIRWATER (Fraser Range) nickel-gold Project
  - A project with high reward potential in WA's hottest location
- Development study for the BLAIR NICKEL MINE
  - near Kambalda/Kalgoorlie WA
  - sets the Company for the improving Nickel price
- Pipeline targets at ACRA (gold) and JUGLAH DOME (gold, Cu-Pb-Zn)
  - A conventional WA goldfields Projects