DREADNOUGHT
RESOURCES

HIGHLY ACTIVE WEST AUSTRALIAN MINERAL EXPLORER FOCUSED ON DISCOVERY

SOUTH-WEST CONNECT ASX SHOWCASE - OCTOBER 2021

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Competent Person's Statement

The information in this announcement that relates to geology and exploration results and planning was compiled by Mr. Dean Tuck, who is a Member of the AIG, Managing Director, and shareholder of the Company. Mr. Tuck has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Tuck consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information in the original reports, and that the forma and context in which the Competent Person's findings are presented have not been materially modified from the original reports. (referencing historic and new company announcements).

Currency

All amounts shown are in Australian dollars unless otherwise stated.

Refer to Dreadnought announcements for JORC Table 1 and Table 2 for results and information contained in this presentation.

Illaara Gold-VMS-Iron Ore Project

• 24 June 2019	*75 km Long Illaara Greenstone Belt Acquired from Newmont*
• 6 December 2019	*Consolidation of 75km Long Illaara Greenstone Belt*
• 19 March 2020	*RC Drilling Hits High Grades at Metzke's Find*
• 13 July 2020	*RC Drilling Hits High Grade Gold at Metzke's Find*
• 17 July 2020	*Remaining Metzke's Find Assays*
• 22 July 2020	*High-grade Iron Ore Opportunity - Illaara Greenstone Belt*
• 25 September	*2020 Further High-Grade Gold from Metzke's Find*
• 8 October 2020	*Further High-Grade Gold from Metzke's Find*
• 30 November 2020	*Exploration Update Illaara Gold-VMS-Iron Ore Project*
• 27 April 2021	*Illaara Update and Regional Target Generation*
• 31 May 2021	*Drilling Results – Illaara Au-Cu-Iron Ore Project*

Kimberley Ni-Cu-Au Project

• 6 June 2019	*Ground EM Survey Lights Up Strong Conductor at the Texas Ni-Cu-PGE Target*
• 2 December 2019	*Assays and EM Surveys Confirm Massive Sulphide System at Chianti-Rufina*
• 23 December 2019	*Grants Cu-Au Assays and Coincident Magnetic/Gravity Targets*
• 24 August 2020	*High Priority Copper Gold Targets at Fuso and Paul's Find*
• 25 August 2021	*RC Results from Orion, Grant's Find & Fuso Indicate Large Cu-u-Ag-Co System*
• 27 August 2021	*Bonanza Grade Cu-Ag-Sb-Bi Mineralisation at rough Triangle*
• 11 October 2021	*Massive Sulphide Intersected in Multiple Holes at Orion*

Mangaroon Ni-Cu-PGE, REE & Au Project

• 25 November 2020	*Mangaroon Ni-Cu-PGE & Au Project*
• 07 April 2021	*Option/JV Agreement Signed with Global Base Metal Miner*
• 19 July 2021	*High Grade REE Ironstones Outcropping at Mangaroon*
• 1 September 2021	*Encouraging Results for Rare Earths at Yin*
• 9 September 2021	*Four New REE Ironstones Discovered at Mangaroon*
• 24 September 2021	*Airborne Magnetic-Radiometric Survey Commenced at Mangaroon*

Company Snapshot

Capital Structure	
ASX Code	DRE
Share Price (27/10/2021)	$0.039
Shares on Issue	2,831.9M
Market Cap (diluted)	$113.3M
Cash (unaudited)	~$8M
Unlisted Options (various strike prices)	74.0M
Top 20 Shareholders	32%
Board / Management Cash Investment	~$1,300,000
Board / Management Shareholding	17%



Board & Management	
Paul Chapman	Non-Executive Chairman
Dean Tuck	Managing Director
Ian Gordon	Non-Executive Director
Paul Payne	Non-Executive Director
Jessamyn Lyons	Company Secretary
Matt Crowe	Exploration Manager
Frank Murphy	Operations Manager
Nick Chapman / Luke Blais	Senior Geologists

Kimberley Ni-Cu-Au Projects (100%, E04/2315 80%)

- 2,660km^2 land holding in the West Kimberley, 2nd largest land owner behind IGO and ahead of Chalice
- Unexplored since 1978 with known outcropping mineralisation
  - **Orion – High-grade Cu-Co-Ag-Au-Zn Massive Sulphides**
  - **Rough Triangle – High-grade Cu-Ag-Bi-Sb Veins**
  - **Texas, Fuso and Grants – Cu-Co-Au mineralisation**

Mangaroon Ni-Cu-PGE (Option with FQM), REE & Au Project (100%)

- ~4,500km^2 land holding in the Gascoyne Provence
- Vastly unexplored with historical work led by local pastoralists
- Outcropping rare earth ironstones, nickel-copper-PGE sulphides and gold

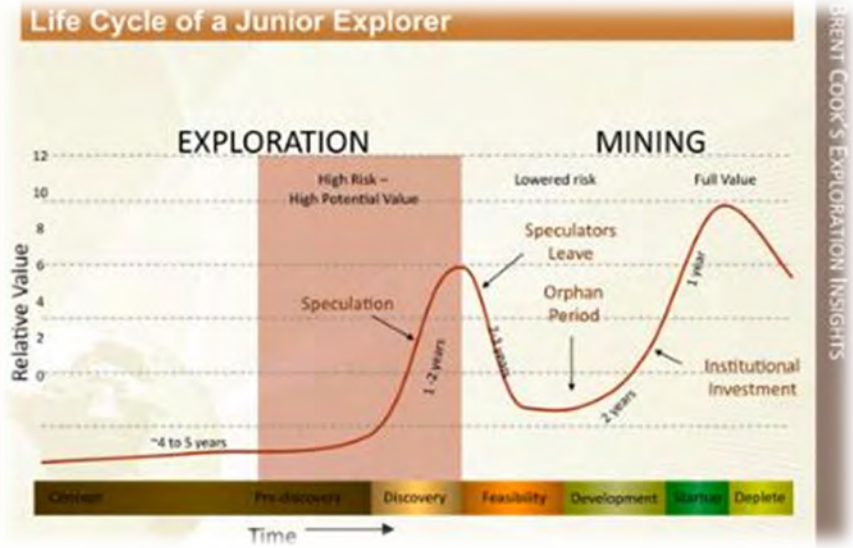
Illaara Gold-Base Metals-LCT-Iron Ore Project (100%)

- Consolidated 880km^2 landholding covering 75km strike of the Illaara greenstone belt.
- High grade gold, outcropping fertile LCT pegmatites, Iron Ore and base metal gossans.
- Metzke's Find maiden gold resource underway:

Strategy and Performance

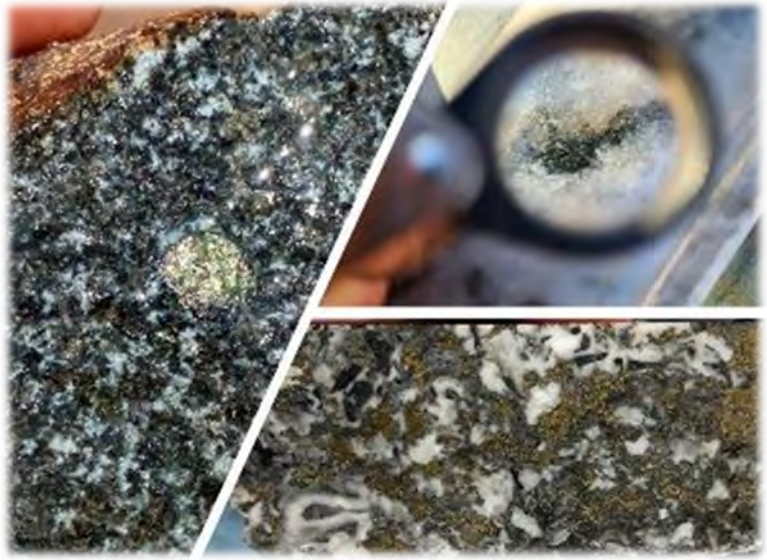
DELIVER SIGNIFICANT SHAREHOLDER RETURNS

- Increase value through advancing exploration targets through discovery to resource
  - *Chalice – Julimar*
  - *De Grey – Hemi*
  - *Sirius – Nova Bollinger*
  - *Sandfire – Degrussa*



EFFECTIVE AND EFFICIENT EXPLORATION

- >80% of funds go into the ground
- Maintain a pipeline of strong targets and drill results
- Maintain a stable of large scale projects with potential for multiple commodities



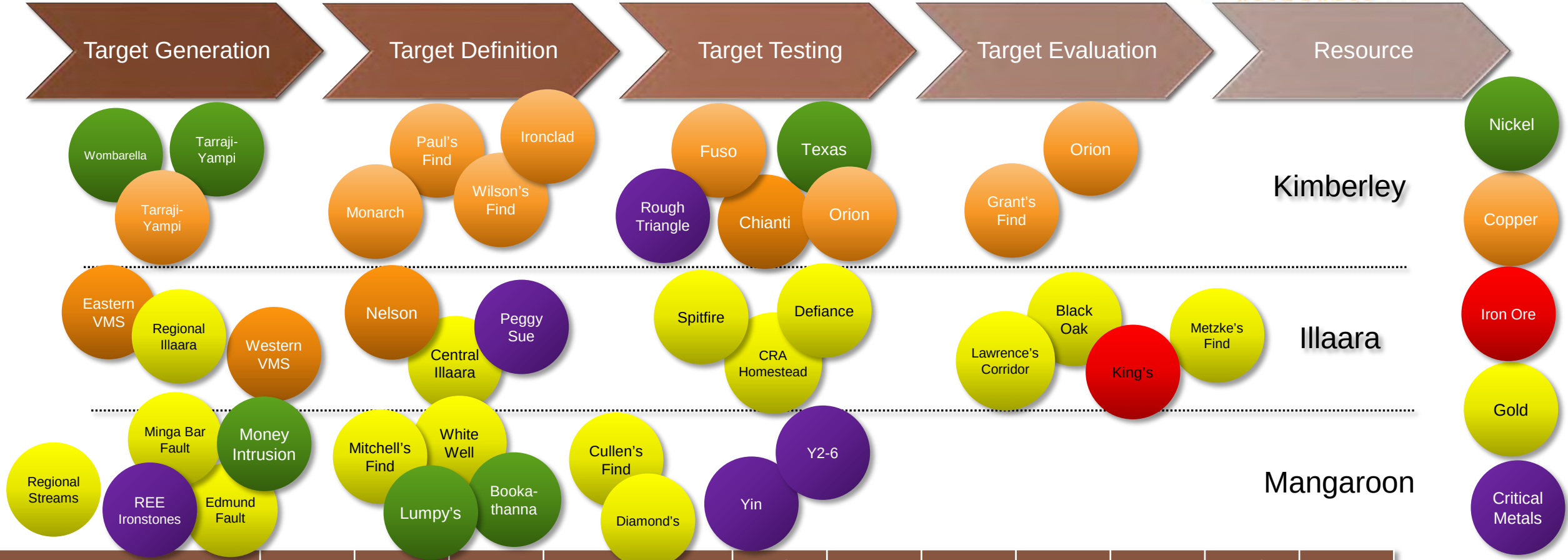
STRONG COMMUNITY AND STAKEHOLDER ENGAGEMENT

We strive to develop win-win relationships with key stakeholders – our licence to operate

- Water bores for pastoralists
- Upgrades to homestead outcamp
- Fire fighting trailer for the Dambimangari
- Site recycling to local sports clubs
- Low impact exploration
- Engagement with CSIRO and Universities



2021 Work Plan



	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Kimberley		Drilling							Drilling			
Mangaroon							Drilling					
Illaara			Drilling			Drilling						

Target generation
Target definition
Target testing



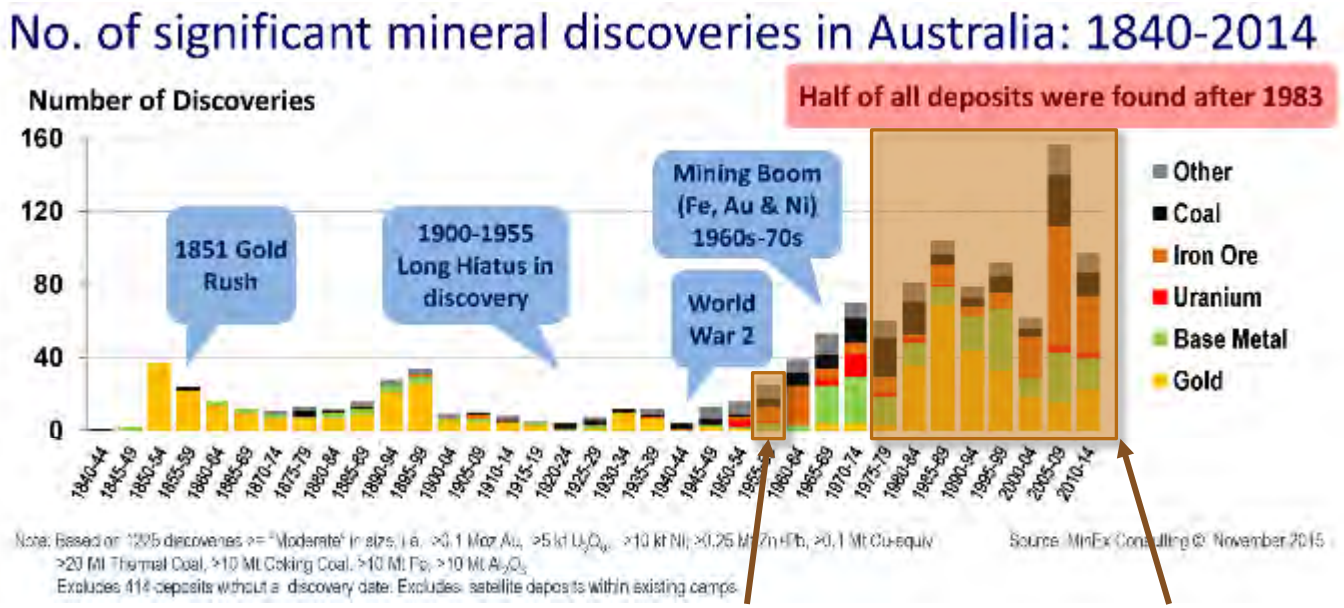
Tarraji-Yampi Ni-Cu-PGE & Gold Project

Rare Exploration Opportunity

- Outcropping mineralisation
- Off limits since 1978
- First movers within the YSTA



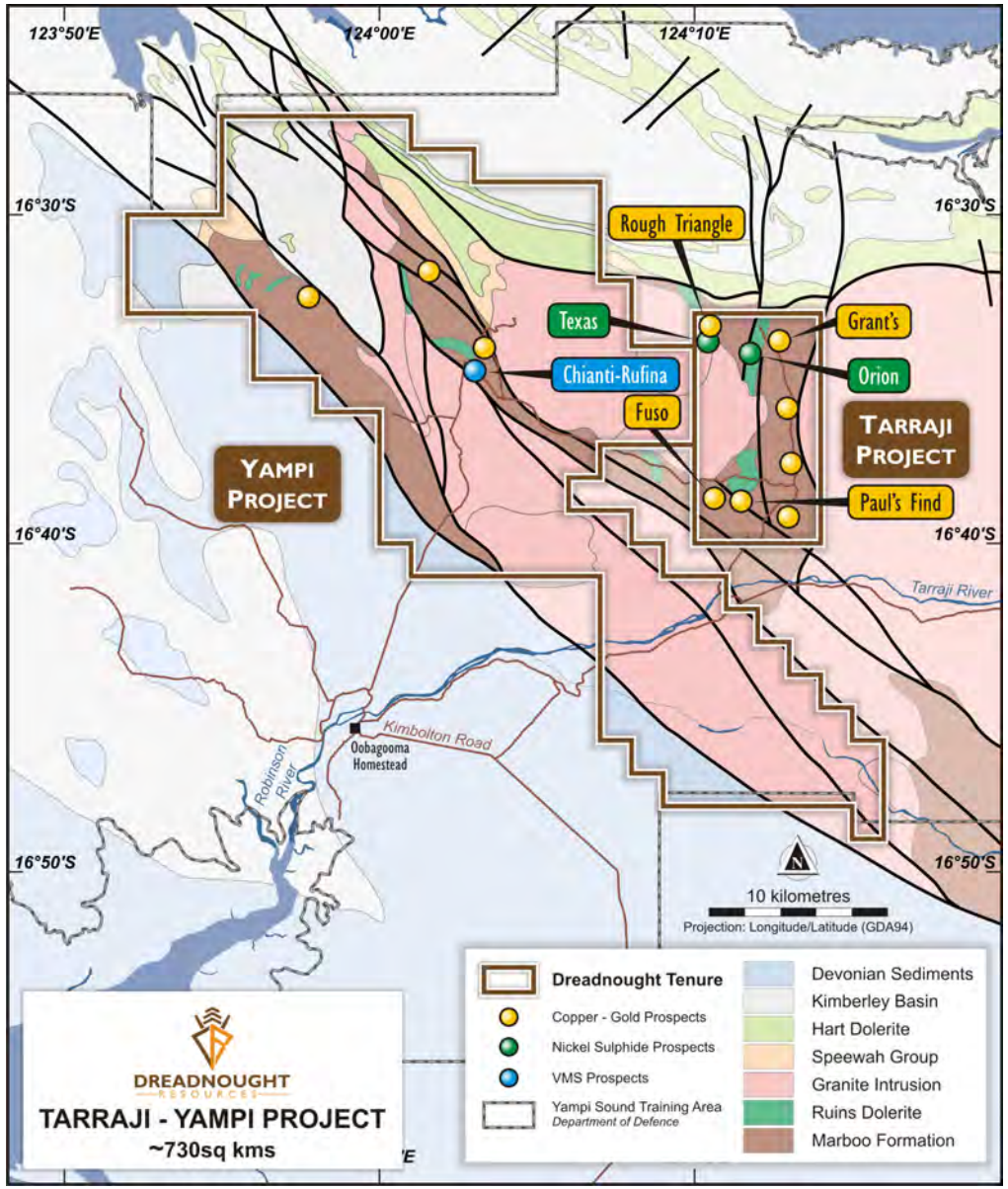
WMC's David Barr (L) & Roy Woodall (R) at Tarraji – 1950s



1956-1959: Last significant mineral exploration at Tarraji undertaken by WMC

1978-2013: YSTA Defense Reserve "off limits" to mineral exploration

- Half of all mineral deposits in Australia discovered after 1983
- No exploration since 1958 (Tarraji) / 1972 (Chianti-Rufina)
- Yampi Sound Training Area (Defense Reserve) off-limits to exploration from 1978-2013
- West Kimberley is controlled by IGO, Dreadnought and Chalice

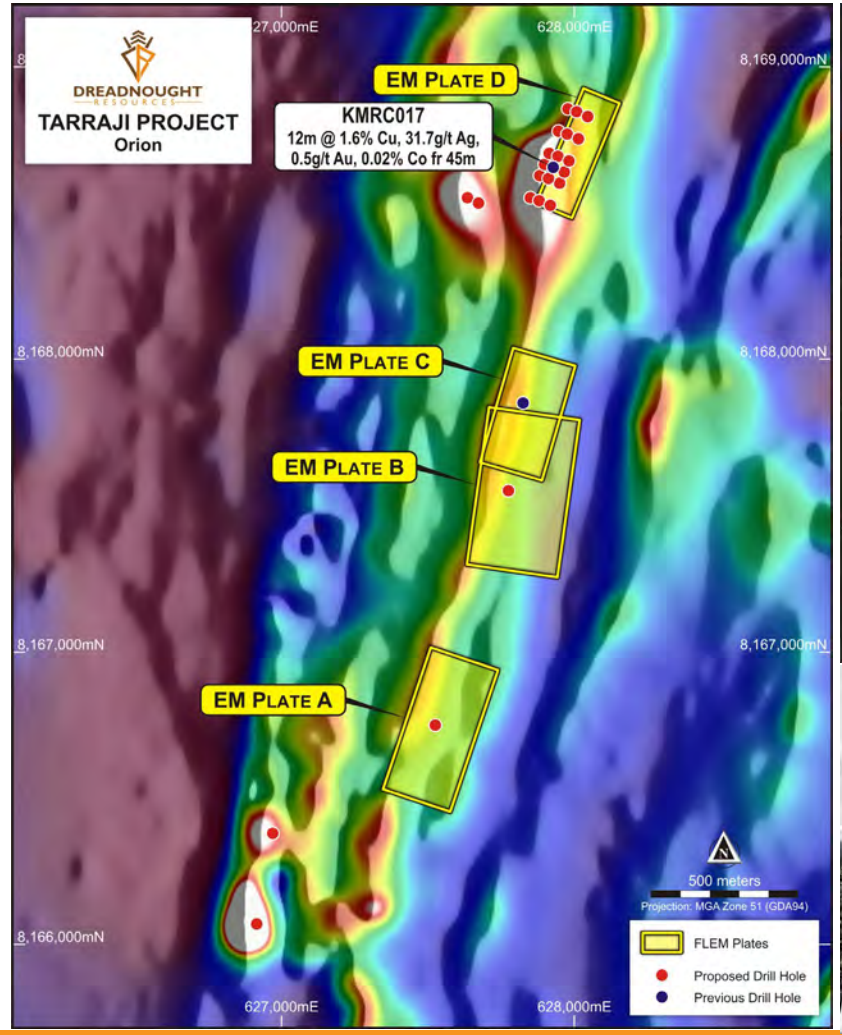


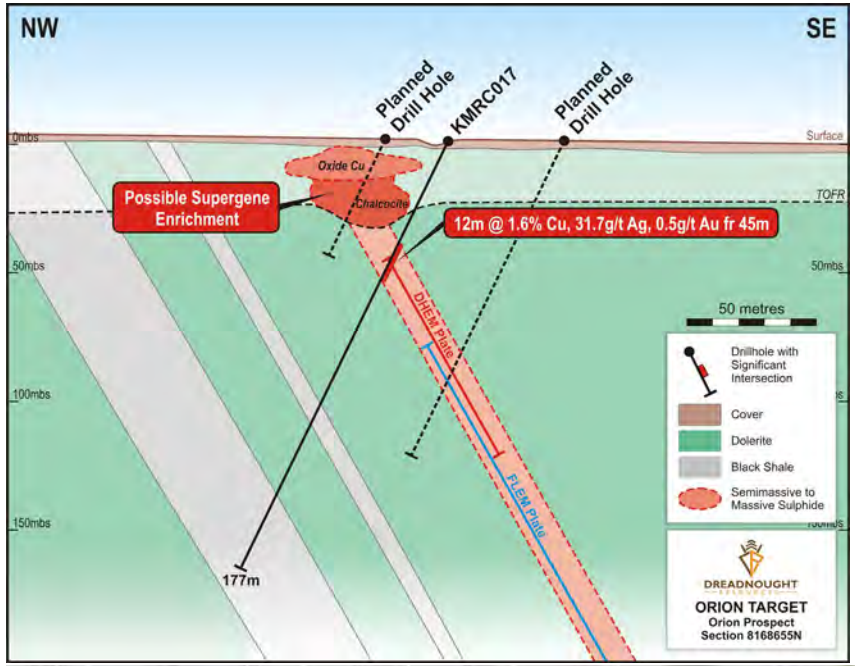
Tarraji-Yampi

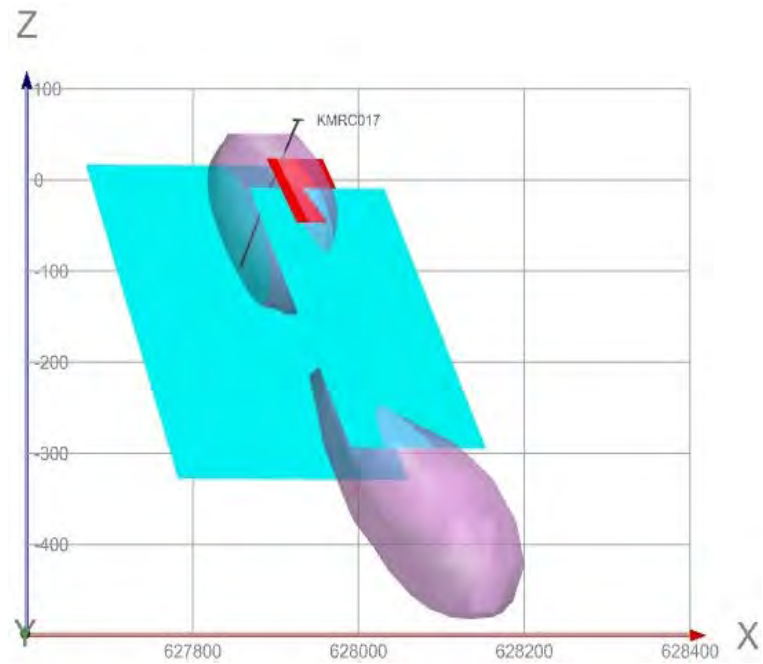
- Located just 80kms from the port of Derby and entirely within the Yampi Sound Training Area
- Abundant outcropping Cu-Au-Ag-Bi-Sb-Co mineralisation – vectors to mineralisation undercover
  - Grant's Find – Discovered 1906
  - Rough Triangle – Discovered 1958 (but was never assayed)
- Hunting the elephants under shallow cover
  - Orion – Multiple massive sulphide intercepts with visible copper mineralisation – Assays Pending
  - Fuso – First program confirmed high-grade mineralisation, but the magnetic anomalies remain to be tested

Orion Cu-Ag-Au Target

12m of massive sulphide from the first hole drilled at Orion – *multiple additional intercepts since*



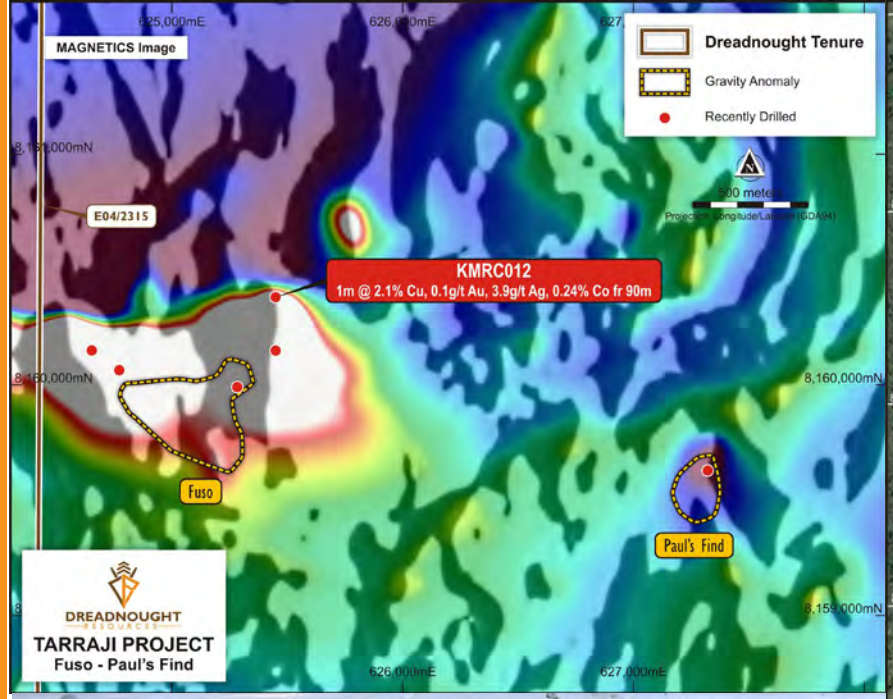




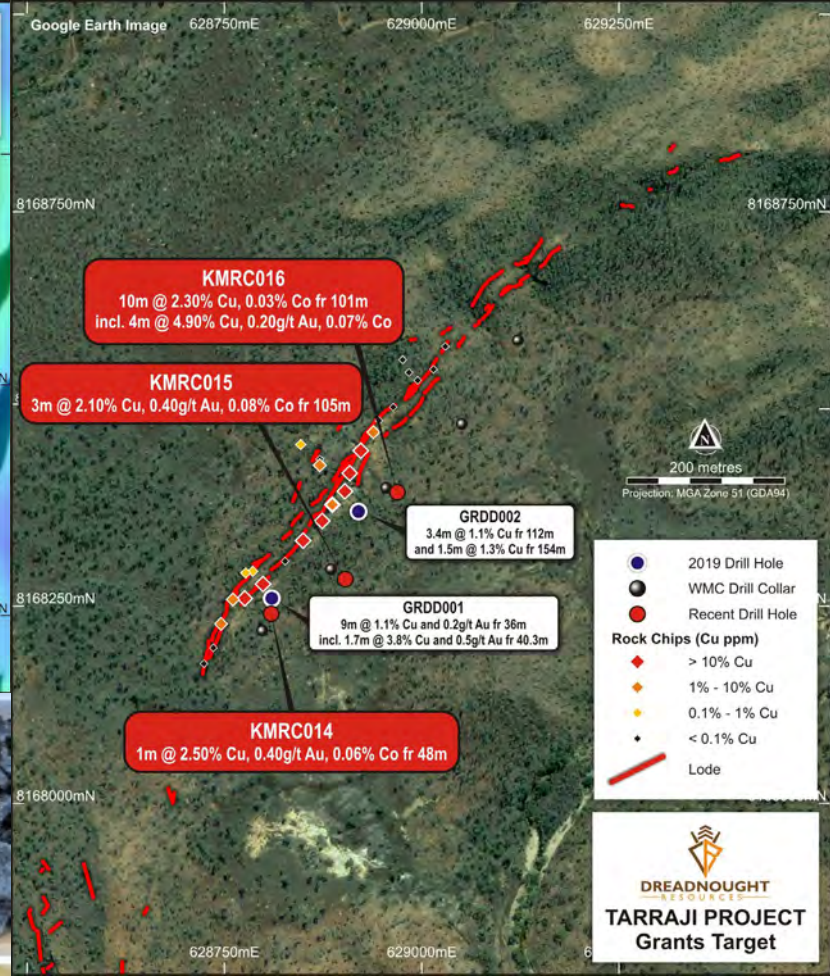


Grant's Find and Fuso Cu-Au-Co

- **Grant's Find**
  - Outcropping breccia vein over 800m strike.
  - Best intercept to date – most northern drill hole.
  - 10m @ 2.3% Cu, 0.03% Co
- **Fuso**
  - Multiple strong magnetic anomalies, completely under shallow cover.
  - New magnetic data indicating we missed the target due to hole deviation.
  - 1m @ 2.1% Cu, 0.24% Co, 0.1g/t Au

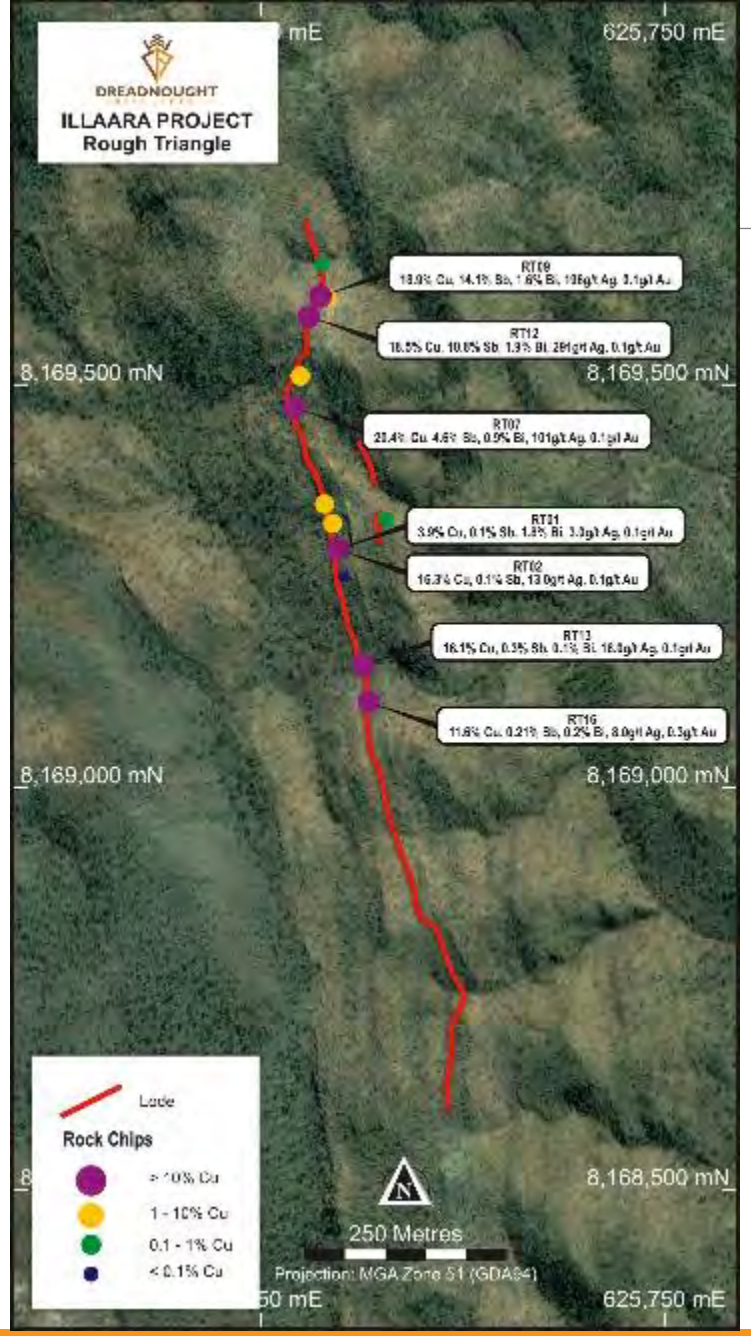






Next Steps: Explain the magnetic anomaly and does Grant's Find improve to the north?

- Drilling Underway



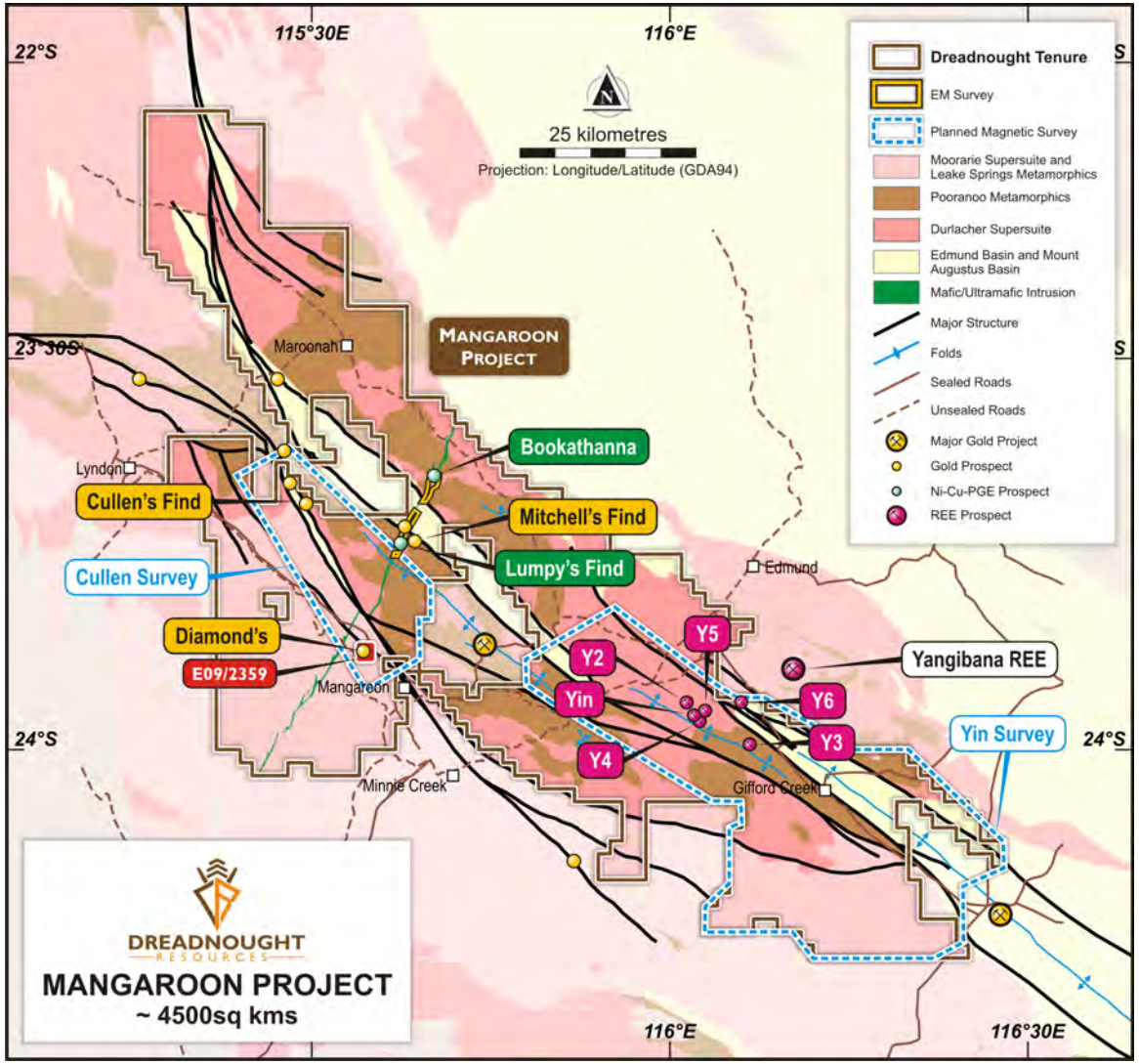


Rough Triangle: Cu-Ag-Bi-Sb

- 1.2km long outcropping vein of high-grade Cu-Ag-Bi-Sb mineralisation
- Significant rock chips include:
  - RT07: 20.4% Cu, 4.6% Sb, 0.9% Bi, 101g/t Ag
  - RT08: 8.1% Cu, 2.2% Sb, 0.3% Bi, 44.5g/t Ag
  - RT09: 18.9% Cu, 14.1% Sb, 1.6% Bi, 196g/t Ag
  - RT12: 18.5% Cu, 10.8% Sb, 1.9% Bi, 291g/t Ag
- Drilling expected May/June 2022

Mangaroon Ni-Cu-PGE, REE & Au Project

Mangaroon Project



Rare Earths: Yin Camp – 100% Owned

- Outcropping high-grade rare earth ironstones – similar to Yangibana
- High NdPr to TREO ratio – high value product for permanent magnets
- Mineralogy and metallurgic work confirms high grade concentrate product

Ni-Cu-PGE: The Money Intrusion – Option/JV with FQM

- 50km long, outcropping mafic/ultramafic intrusion with high tenor blebby Cu-Ni-PGE bearing sulphides
- FQM entered into an Option Agreement over 5 tenements covering the Money Intrusion
- earn 51% interest by spending $15M and a further 19% interest by sole funding up until a Decision to Mine.
- Dreadnought retains rights to any gold discoveries.

Gold: Minga Bar and Edmund Faults – 100% Owned

- Known outcropping gold mineralisation along two crustal scale structures
- Historical high grade gold drilled at Cullen's Find and mined at Diamond's Mine

Yin REE Ironstones



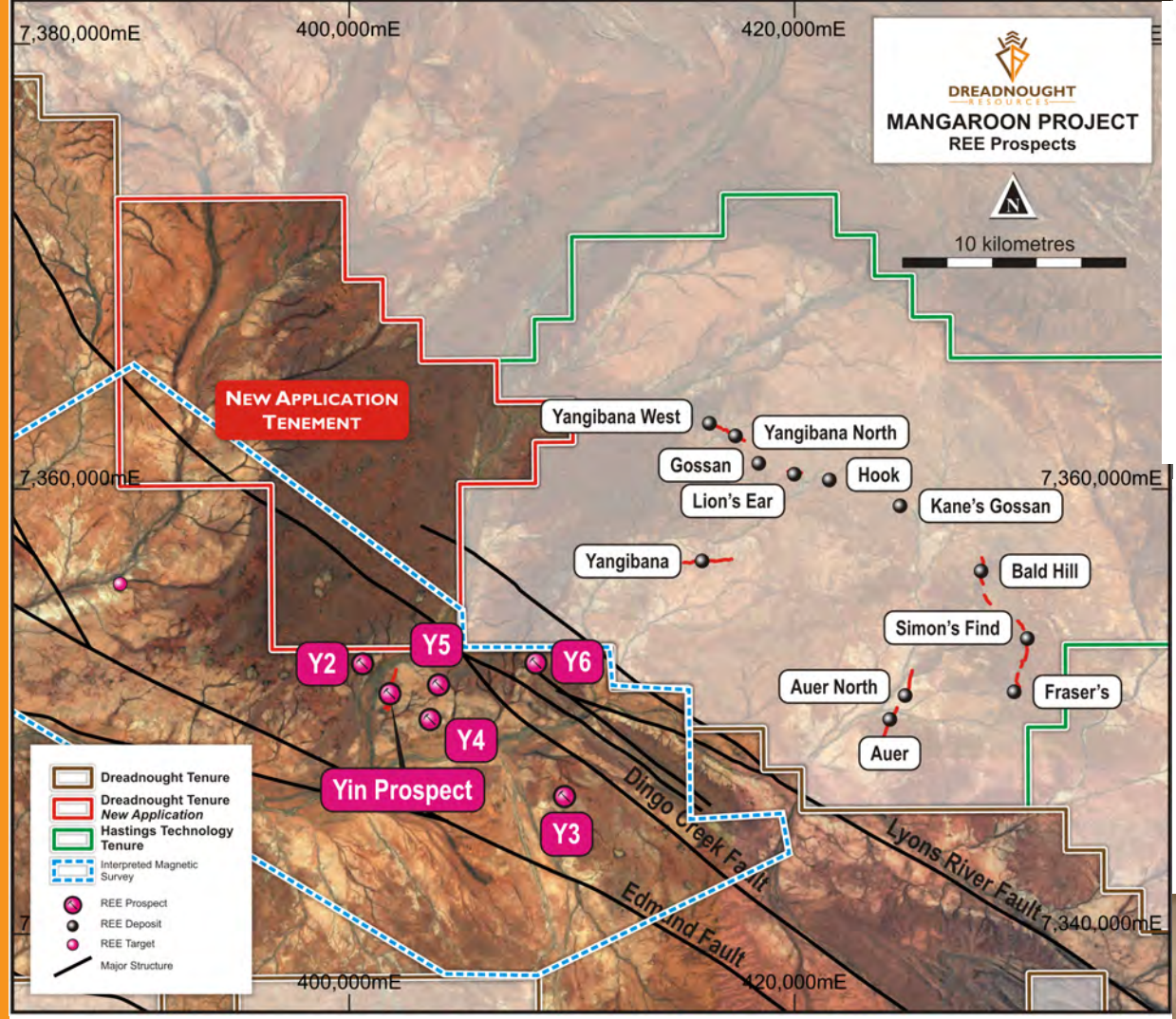


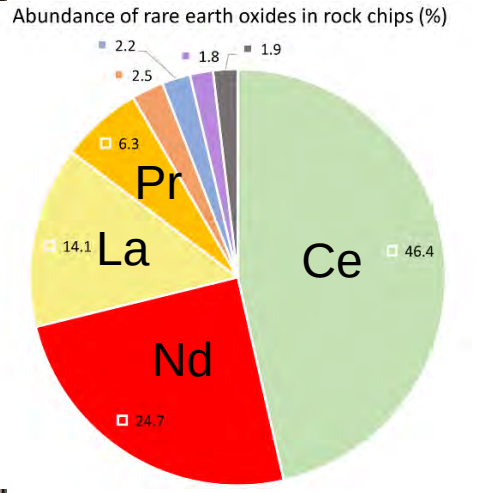
Next door to Yangibana – Hastings Technology Metals (HAS.ASX) Market Cap ~$500M

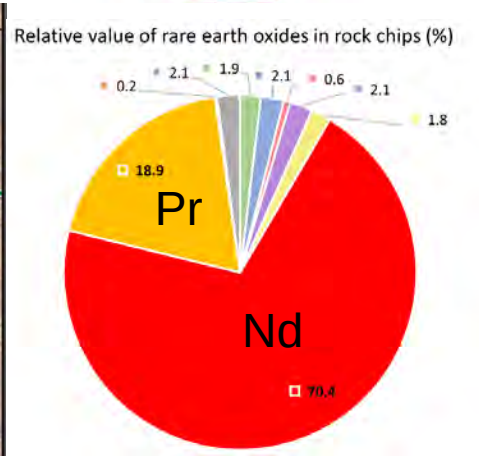
Discovery and Resource drilling to commence March Quarter 2022

Yin REE Ironstones

- ✓ **Scale**
  - Six REE ironstones identified to date with over an area of ~10kms x 5kms
- ✓ **Grade**
  - High grade rock chips with high NdPr to TREO ratios – high value concentrate
- ✓ **Mineralogy**
  - Monazite – globally significant REE mineral with abundant processing capacity with three plants to be built in WA
- ✓ **Metallurgy**
  - Standard flotation sheet able to produce high grade concentrate
  - 12.3% Nd2O3 / 40% TREO with 92.8% process recovery





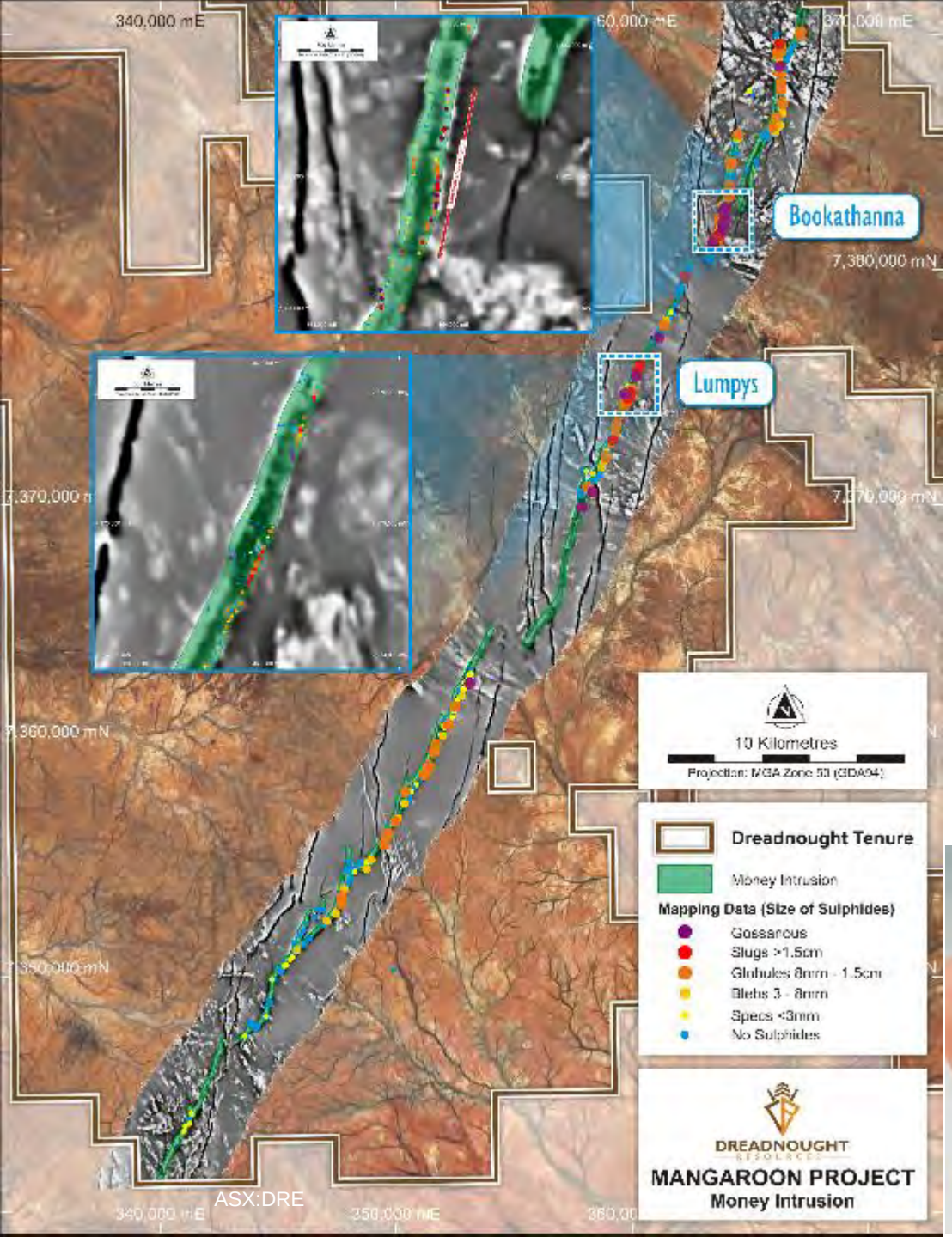




Next Steps: How big is it and how many more are there?

September 2021:	Airborne magnetic and radiometric survey
October 2021:	Environmental and heritage surveys
March 2022:	Discovery and resource focused drilling
Mid-Late 2022:	Deliver maiden JORC resource

Mangaroon Ni-Cu-PGE



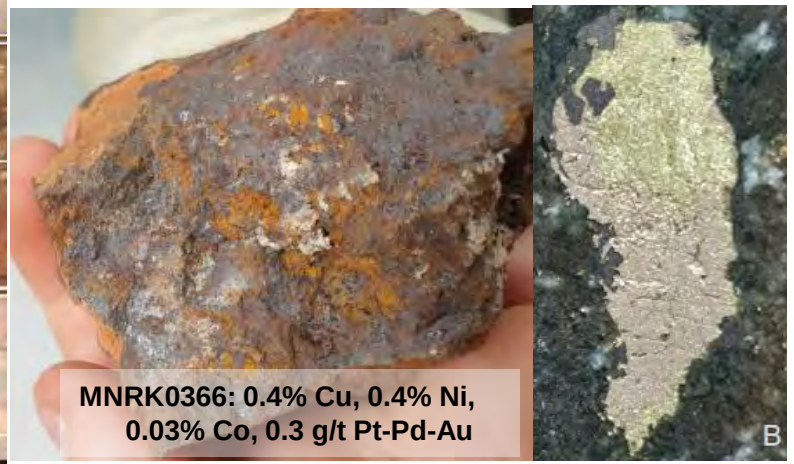
- The Money Intrusion
  - 50km long, outcropping mafic / ultramafic intrusion with high tenor blebby Cu-Ni-PGE bearing sulphides
  - 1km long outcropping gossanous Ni-Cu-PGE horizon at Bookathanna

Next Steps: Is there a massive sulphide accumulation?

September – November 2021: Ground EM surveys

October / November 2021: Environmental and heritage surveys

March 2022: Discovery focused drilling

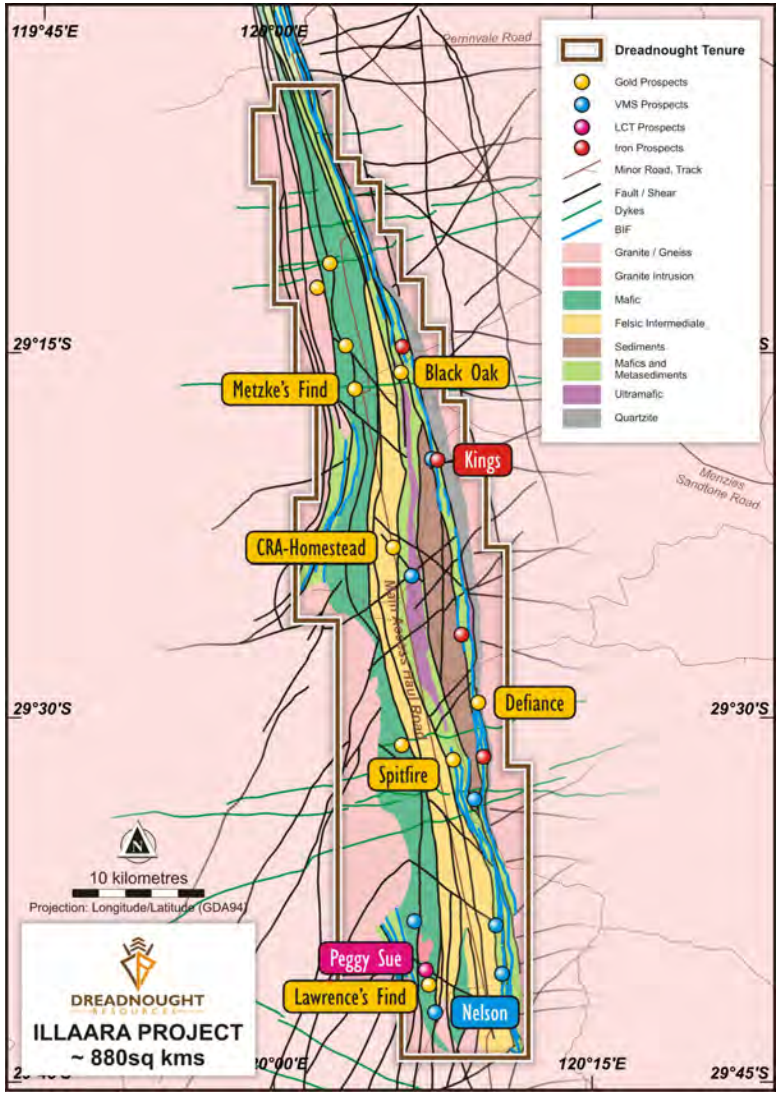


Coarse grained mafic intrusion showing high tenor three phase disseminated and blebby sulphides comprised of chalcopyrite, pentlandite and pyrrhotite



Illaara Au-Cu-LCT-Iron Ore Project

Illaara Project Overview



Lithium Caesium Tantalum Pegmatites – Peggy Sue

- Outcropping fertile LCT pegmatite swarm over an area of 5km x 2kms with multiple clusters of high-grade tantalum (up to 529ppm Ta_2O_5)
- Additional mapping and sampling over mineralised clusters to define drill targets for early 2022

VMS - Nelson

- ~1.4km long Cu-Pb-Zn-Ag anomaly situated over prospective changes in lithology (peak values 640ppm Pb; 1,100ppm Zn; 300ppm Cu; 0.5 g/t Ag)
- FLEM survey to define drill target

Gold

- High-grade gold resource at Metzke's Find in March quarter 2022
- Regional sampling over central and eastern corridor highlighting new large scale coherent gold in soil anomalies

Iron Ore

- Resource evaluation drilling in June quarter 2022
  - **P-North:** 29m @ 58.6% Fe, 8.3% SiO_2, 3.4% Al_2O_3, 0.04% P, and 4.0% LOI from 6m
    - **Incl. 16m @ 64.4% Fe, 2.4% SiO_2, 1.3% Al_2O_3, 0.04% P and 3.7% LOI from 8m**
  - **Kings:** 49m @ 55.7% Fe, 9.1% SiO_2, 3.1% Al_2O_3, 0.04% P, and 4.0% LOI from 13m
    - **Incl. 11m @ 62.7% Fe, 2.5% SiO2, 1.2% Al2O3, 0.05% P and 6.1% LOI from 48m**

Take Away Message

- **Strong news flow: Discovery and evaluation / resource drilling focus for the next 12 months**
  - **Metzke's Find Gold: March 2022**
  - **Kings Iron Ore: June 2022**
  - **Yin REE: August 2022**
  - **Orion Cu-Ag-Au: December 2022**
- **Kimberley and Mangaroon: first mover with potential for major Cu, Au, Ni and REE deposits**
- **Illaara: Consolidated 75km long underexplored greenstone belt with early exploration success**
- **Experienced management team with a track record of success and strongly aligned with shareholders**

