

# HIGHLY ACTIVE WEST AUSTRALIAN FOCUSED GOLD AND BASE METAL EXPLORER

# RIU FREMANTLE PRESENTATION 16 FEBRUARY 2021

### Disclaimer



This presentation includes forward-looking statements. When used in this document, the words such as "could", "plan", "estimate", Refer to Dreadnought announcements for JORC Table 1 and Table 2 for results and information contained in this presentation. "expect", "intend", "may", "potential", "should", and similar expressions are forward-looking statements. Although Dreadnought Resources Limited ("Dreadnought") believes that the expectation reflected in these forward-looking statements are reasonable, such statement involved risks and uncertainties and no assurance can be given that actual results will be consistent with these forwardlooking statements.

This presentation has been prepared by Dreadnought for the purpose of providing an overview of its current prospects and growth strategy to recipients. This presentation and its contents are provided to recipients on the basis that It may not be reproduced or disclosed in whole or in part to any other person, without the written consent of Dreadnought.

This presentation is provided on the basis that neither Dreadnought nor its respective officers, shareholders, related bodies corporate, partners, affiliates, employees, representatives and advisers, make any representation or warrant (express of implied) as to the accuracy, reliability, relevance or completeness of the material contained in this presentation and nothing contained in the presentation is, or may be relied upon, as a promise, representation or warrant, whether as to the past or the future. Dreadnought hereby excludes all warranties that can be excluded by law.

All persons should consider seeking appropriate professional advice in reviewing the presentation and all other information with respect to Dreadnought and evaluating the business, financial performance and operation of Dreadnought. Neither the provision of the presentation nor any information contained in the presentation or subsequently communicated to any person in connection with the presentation is, or should be taken as, constituting the giving of investment advice to any person.

#### 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 • 17 October 2019 and Ore Reserves'. Mr. Tuck consents to the inclusion in the report of the matters based on the information in the form and context • 29 October 2019 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 • 2 December 2019 reports, and that the forma and context in which the Competent Person's findings are presented have not been materially modified • 23 December 2019 from the original reports. (referencing historic and new company announcements).

#### Currency

All amounts shown are in Australian dollars unless otherwise stated

Illaara Gold-VMS-Iron Ore Project

• 24 June 2019 75 km Long Illaara Greenstone Belt Acquired from Newmont

• 23 September 2019 Illaara Gold Project Update

• 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

Three New Gold Targets Along Strike And Adjacent to Metzke's Find 14 July 2020

• 17 July 2020 Remaining Metzke's Find Assays

 22 July 2020 High-grade Iron Ore Opportunity Long 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

• 13 October 2020 100g/t Au from Maiden Drill Program at Longmore's Find

· 12 January 2021 Longmore's Find Assay Results - Illaara Gold-VMS-Iron Ore Project

• 10 February 2021 Illaara Gold-VMS Iron Ore Project Update

#### Kimberley Ni-Cu-Au Project

 6 June 2019 Ground EM Survey Lights Up Strong Conductor at the Texas Ni-Cu-PGE Target

• 11 June 2019 High grade assays from the Grants Target Drilling Commenced at Grants Cu-Au Target

Multiple Mineralised Zones at Grants Cu-Au Target

 8 November 2019 Multiple Mineralised Zones in second hole at Grants Cu-Au Target

Assays and EM Surveys Confirm Massive Sulphide System at Chianti-Rufina

Grants Cu-Au Assays and Coincident Magnetic/Gravity Targets

· 24 August 2020 High Priority Copper Gold Targets at Fuso and Paul's Find

#### Mangaroon Ni-Cu-PGE & Au Project

• 25 November 2020 Mangaroon Ni-Cu-PGE & Au Project

# **Company Snapshot**



Capital Structure	
ASX Code	DRE
Share Price (15/02/2021)	\$0.017
Shares on Issue	2,262M
Market Cap (undiluted)	\$38.5M
Market Cap (diluted)	\$40.2M
Cash (31/12/2020)	\$2.6M
Unlisted Options (~\$0.008 strike price)	101.0M
Convertible Notes (600,000 @ \$1.00, 10% pa coupon, convertible @ \$0.0055, redeemable 21 June 2021)	\$0.6M
Top 20 Shareholders	36%



#### **Board and Management**

Paul Chapman – Non-Executive Chairman	Board and Management Cash Investment ~\$1,200,000	
Dean Tuck – Managing Director		
Ian Gordon – Non-Executive Director		
Paul Payne – Non-Executive Director		
Jessamyn Lyons – Company Secretary	Board and Management Shareholding	
Matt Crowe – Exploration Manager	~19%	
Nick Chapman/Luke Blais – Senior Geologis	ets	

### Illaara Gold-VMS-Iron Ore Project (100%)

- Consolidated 880km² landholding covering 75 strike kms of the Illaara greenstone belt
- Acquired from Newmont, limited gold and base metal exploration since the 1980s and 1990s
- High grade gold intercepts at Metzke's Find
- MZRC016: 3m @ 21.0g/t Au from 85m
   MZRC021: 3m @ 13.8g/t Au from 108m
- MZRC017: 7m @ 7.5g/t Au from 51m MZRC022: 2m @ 20.7g/t Au from 19m
- MZRC019: 2m @ 39.2g/t Au from 45m MZRC030: 2m @ 10.8g/t Au from 102m

### Kimberley Projects (100%, E04/2315 80%)

- 2,660km² land holding in the West Kimberley, 2<sup>nd</sup> largest land owner behind IGO and ahead of Chalice
- Unexplored since 1978 with known outcropping mineralisation
  - Texas and Orion Ni-Cu-PGE: Coincident EM and magnetic targets in the Ruins Dolerite
  - Fuso and Paul's Find Cu-Au: Coincident magnetic and gravity target
- Chianti VMS: 7 EM plates with outcropping mineralisation

### Mangaroon Ni-Cu-PGE and Au Project (100%)

- ➤ ~4,000km² land holding in the Gascoyne Province
- Vastly unexplored with historical work led by local pastoralists
- Outcropping fertile Ni-Cu-PGE system with the previously unrecognised Money Intrusion
- Significant potential to identify high grade gold mineralisation

# Strategy and Performance



### DELIVER SIGNIFICANT SHAREHOLDER RETURNS

- 580% increase in share price
- Maintain a consistent flow of results and provide transparent market updates
- Focused on delivering gold, nickel and copper discoveries

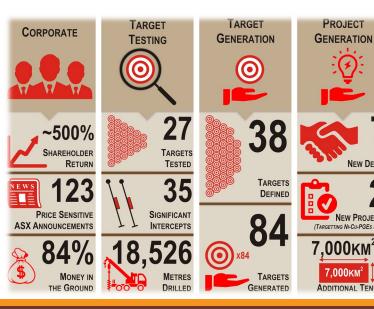
### EFFECTIVE AND EFFICIENT EXPLORATION

- 85% of funds go into the ground
- Maintain a pipeline of strong targets and ensure our targets are tested
- Engage in projects with a clear vision and pathway to results

# STRONG COMMUNITY AND STAKEHOLDER ENGAGEMENT

We strive to develop win-win relationships with key stakeholders

- 6 water bores for livestock
- Upgrades to homestead outcamp
- Fire fighting trailer for the Dambimangari
- Site recycling to local sports clubs
- Low impact exploration in the Kimberley
- Engagement with CSIRO and Universities

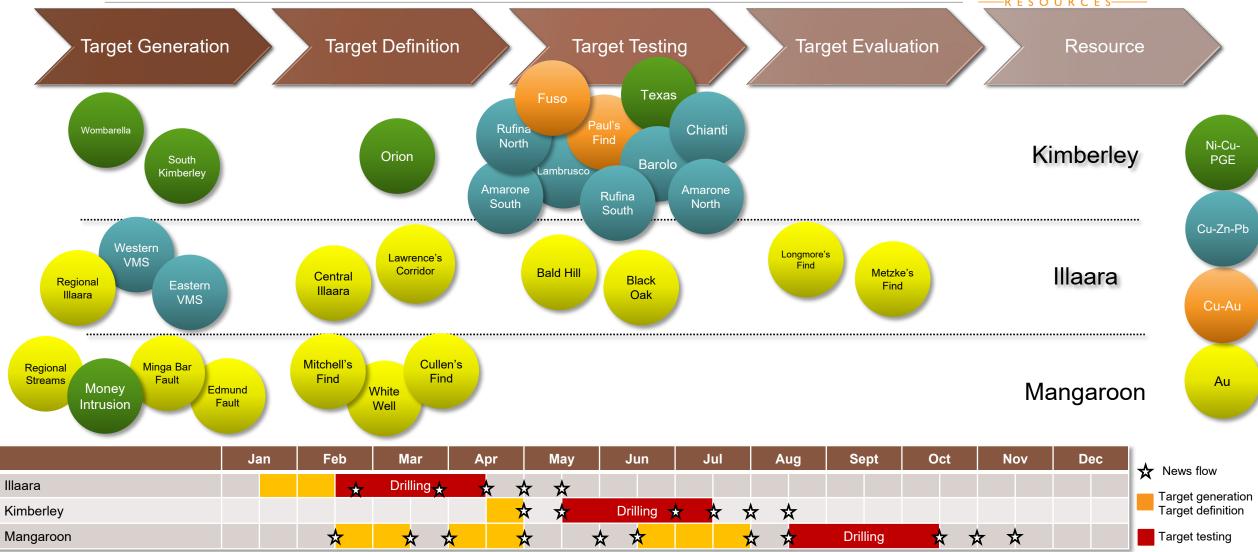


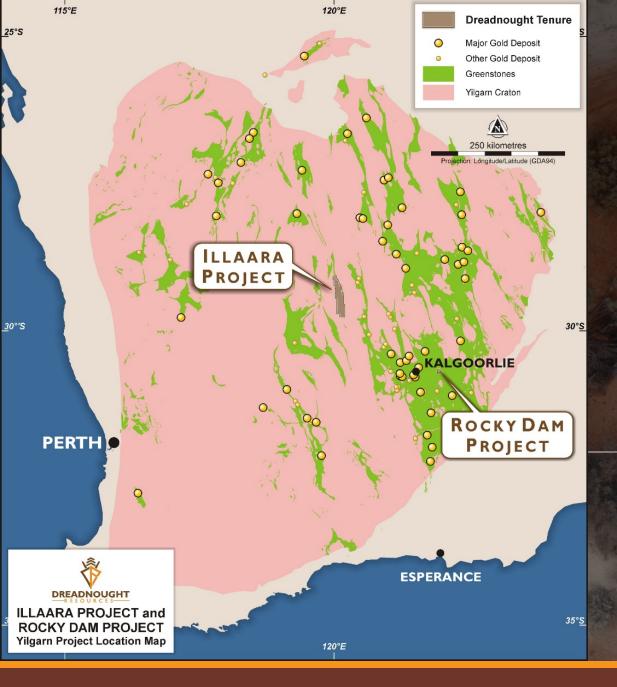




### 12 Month Plan





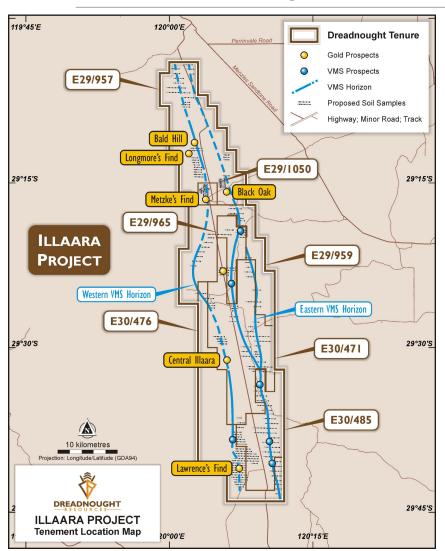


# Yilgarn Projects

- Illaara Au-VMS-Iron Ore
- Rocky Dam Au-VMS

# Illaara Project Gold-VMS-Iron Ore Targets





### **Metzke's Corridor (12km strike)**

- High grade gold confirmed and currently being drilled at Metzke's Find and Longmore's Find
- High resolution geophysics data being acquired
- Potential to host multiple high grade gold deposits

### Lawrence's Corridor (10km strike)

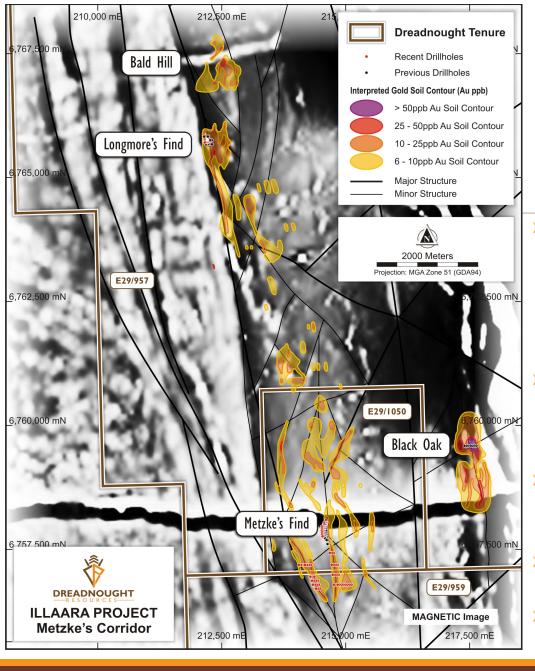
- Similar geology and historical mineralization as Metzke's Corridor
- Target definition work commenced
- High resolution geophysics data being acquired

### **Regional Soils**

 Target generation work has only been completed over ~25% of prospective gold and VMS ground at Illaara

### **Iron Ore**

 Multiple high-grade iron, low phosphorous prospects drilled 2008-2013



# Metzke's Corridor

#### Metzke's Find

 High grade gold bearing lode under historical workings with significant intercepts including:

MZRC016: 3m @ 21.0g/t Au from 85m

MZRC019: 2m @ 39.2g/t Au from 45m

MZRC017: 7m @ 7.5g/t Au from 51m

MZRC022: 2m @ 20.7g/t Au from 19m

Additional target evaluation work underway

### Longmore's Find

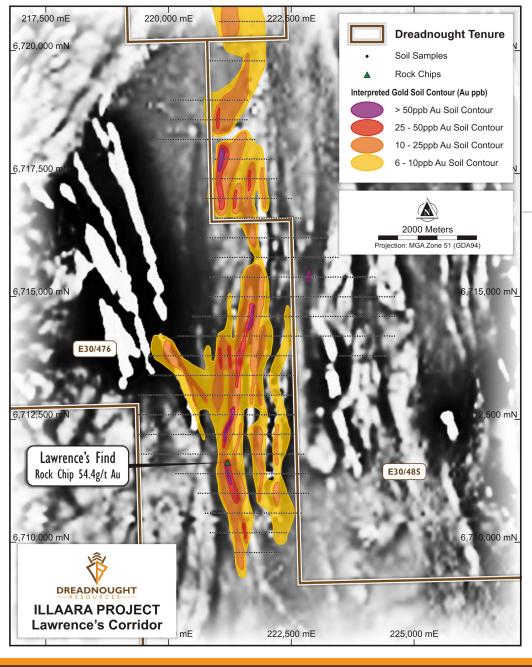
- High grade gold bearing lode with significant intercept LMRC005: 1m @ 100g/t Au from 55m
- Swinging the rigs around to test another orientation

#### Black Oak

- Thick oxide mineralisation associated with a sheared sediment ultramafic contact
- Testing the bedrock contact

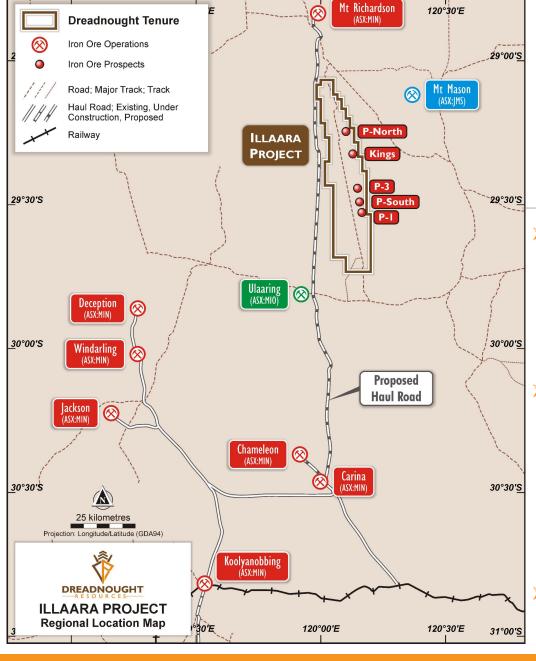
#### Bald Hill

- First drill holes testing under and along strike from outcropping Cu-Au-Ag veins
- Drilling to recommence in February 2021



# Lawrence's Corridor

- Large coherent gold in soil anomalies, the largest defined to date at Illaara, situated over a major structural corridor wrapping around an internal granitic intrusion
- Strong As, Ag, Bi, Cu, Hg, Te, Tl, W pathfinder association
- Never been drilled before
- Follow up work already commenced
  - POW submitted
  - Detailed airborne magnetics survey underway
  - Infill soil sampling prioritised
  - Prospect mapping
- Drill targets defined in February 2021, drill ready early March 2021
  - ~38 holes, 3,040m



# Iron Ore

- Illaara contains significant iron ore potential which was briefly explored by Portman Iron and then Cleveland Cliffs from 2008-2013:
  - High iron and low phosphorus grades compared with regional players
  - Same geology as the high iron, low phosphorus Mt Richardson development
  - Contains a ~75km long internal haul road
- Some of the more advanced prospects include:
  - **P-North:** 29m @ 58.6% Fe, 8.3% SiO<sub>2</sub>, 3.4% Al<sub>2</sub>O<sub>3</sub>, 0.04% P, and 4.0% LOI from 6m
    - Incl. 16m @ 64.4% Fe, 2.4% SiO<sub>2</sub>, 1.3% Al<sub>2</sub>O<sub>3</sub>, 0.04% P and 3.7% LOI from 8m
  - **Kings:** 49m @ 55.7% Fe, 9.1% SiO<sub>2</sub>, 3.1% Al<sub>2</sub>O<sub>3</sub>, 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
  - **P-3:** 20m @ 58.5% Fe, 2.9% SiO<sub>2</sub>, 1.9% Al<sub>2</sub>O<sub>3</sub>, 0.06% P, and 9.5% LOI from 48m
    - Incl. 5m @ 60.3% Fe, 2.2% SiO2, 1.5% Al2O3, 0.03% P and 8.6% LOI from 55m
- Surrounded by active iron ore miners and developers
  - Opportunity for commercialization



Proterozoic Ni-Cu-Au Projects

- Tarraji-Yampi Kimberley
- Mangaroon Gascoyne

### Rare Exploration Opportunity

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

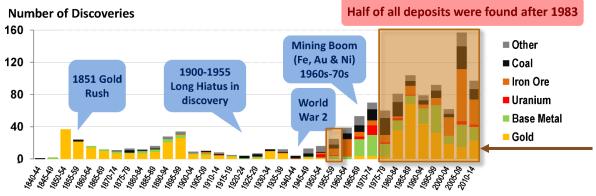


WMC's David Barr (L) & Roy Woodall (R) at Tarraji - 1950s



DRE's Drew Money (L) & Nick Chapman (R) at Tarraji - 2020

### No. of significant mineral discoveries in Australia: 1840-2014



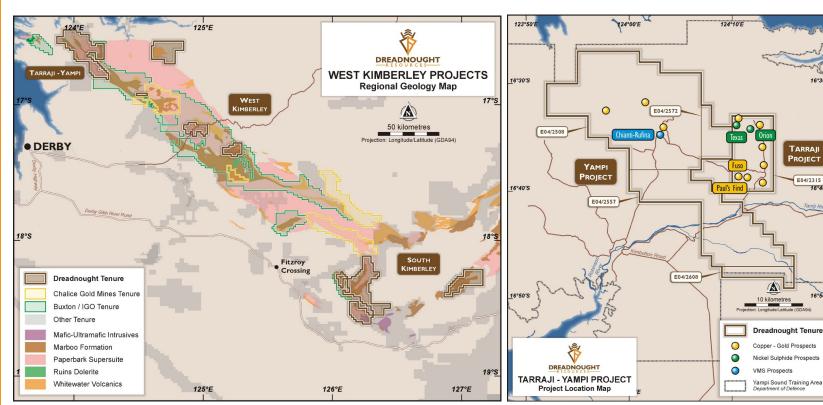
1978-2013: YSTA **Defense Reserve** "off limits" to mineral exploration

> TARRAJI **PROJECT**

Source: MinEx Consulting @ November 2015

Note: Based on 1225 discoveries >= "Moderate" in size, i.e. >0.1 Moz Au, >5 kt U<sub>3</sub>O<sub>8</sub>, >10 kt Ni, >0.25 Mt Zn+Pb, >0.1 Mt Cu-equiv >20 Mt Thermal Coal, >10 Mt Coking Coal, >10 Mt Fe, >10 Mt Al<sub>2</sub>O<sub>2</sub>

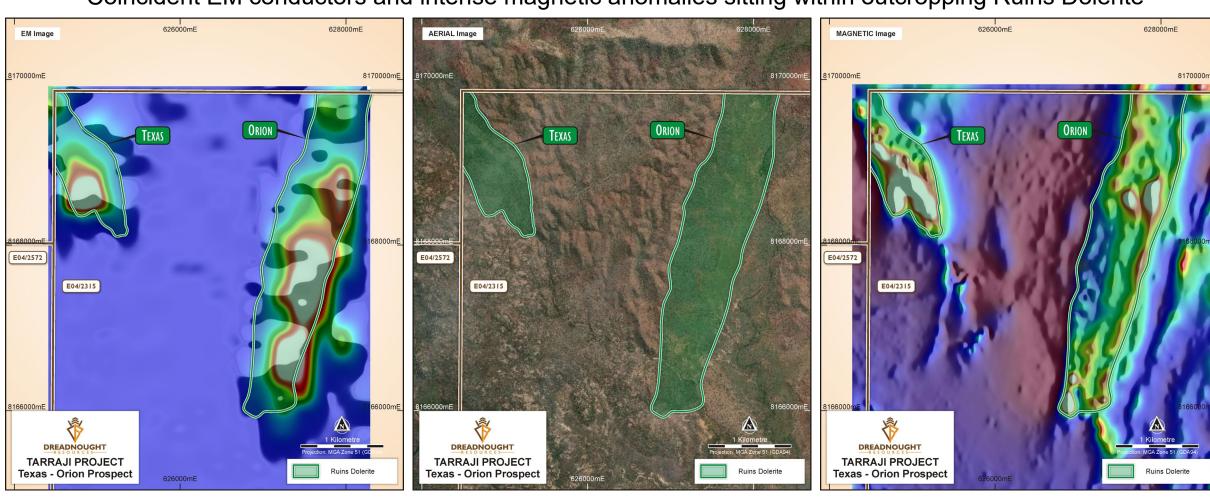
Excludes 414 deposits without a discovery date. Excludes satellite deposits within existing camps



# Texas and Orion Ni-Cu-PGE Target



Coincident EM conductors and intense magnetic anomalies sitting within outcropping Ruins Dolerite

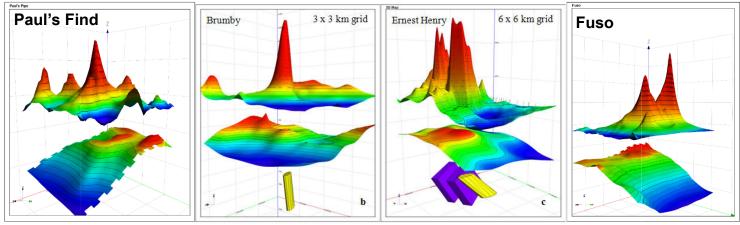


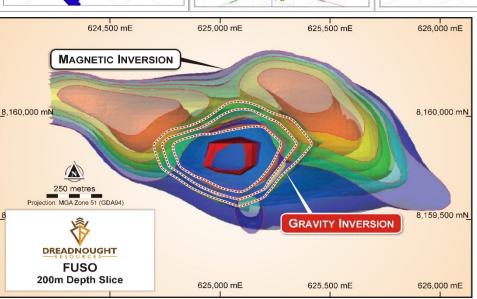
Opportunity: High grade Ni-Cu-PGE massive sulphide – RC and diamond drilling planned for May / June 2021

# Fuso and Paul's Find Cu-Au Targets

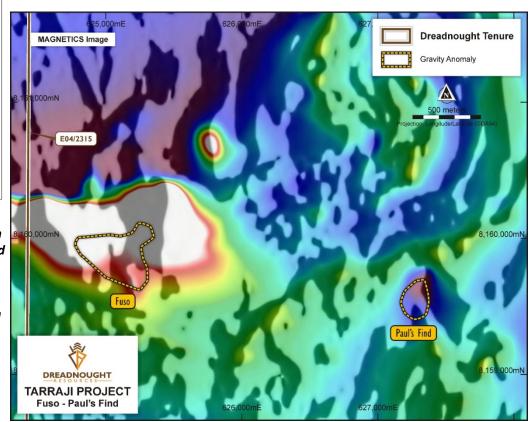


Coincident strong magnetic and gravity anomalies sitting under cover adjacent to significant regional structures





Examples of coincident magnetic (top) and gravity (middle) and the resultant inversion modelled bodies (bottom) from Brumby and Ernest Henry Proterozoic Cu-Au deposits compared with Paul's Find (L) and Fuso (R). from Austin and Foss 2012. Rich, attractive and extremely dense: A geophysical review of Australian IOCGs.

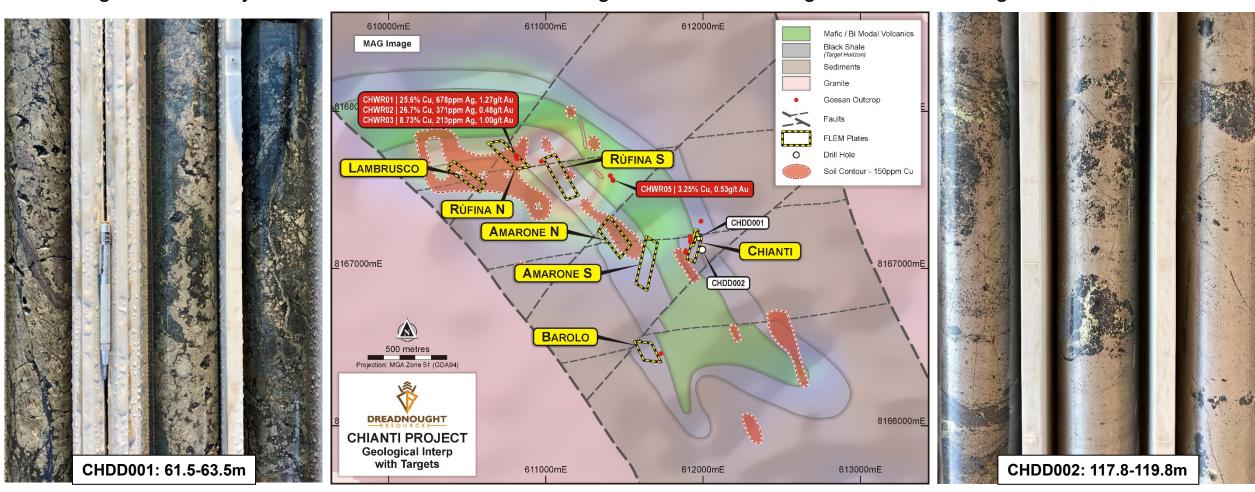


Opportunity: Large scale Cu-Au targets – RC drilling planned for June 2021

# Chianti-Rufina: 7 VMS Targets



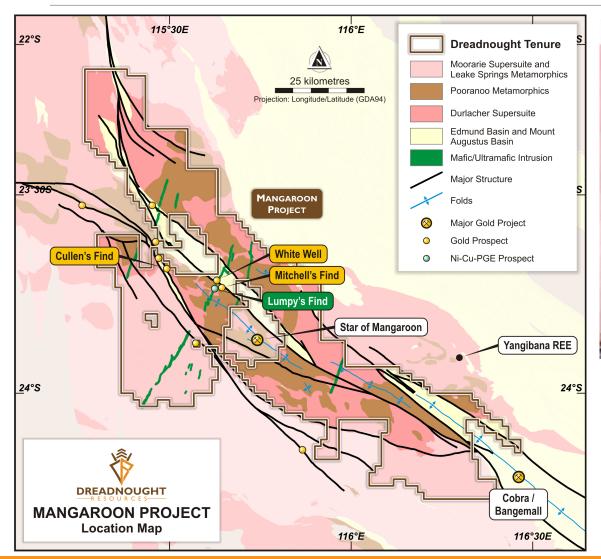
Drill targets defined by FLEM anomalies with associated gossans and / or magnetic and surface geochemical anomalies



Opportunity: Multiple high grade massive sulphide deposits, RC drilling planned for June 2021 (EIS co-funded)

# Mangaroon Ni-Cu-PGE and Au Project









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

### Opportunity:

- Outcropping fertile Ni-Cu-PGE system
- Unexplored high grade Au
   Target generation commencing February 2021

### Take Away Message

- Strong news flow: >20 drill ready targets to be tested in 2021
- Kimberley and Mangaroon: first mover with potential for major Cu, Au and Ni 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
- Modest market cap leveraged for exploration success

