

RIU Explorers Conference

February 2020

**Collaborating with high
quality partners to make
new discoveries**



ASX: ENR

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Certain exploration drilling results for BM1, BM2 and BM7 are first disclosed under JORC code 2004. It has not been updated since to comply with the JORC code 2012 on the basis that the information has not materially changed.

The information in this report that relates to Exploration Results is based on information compiled by Mr. Peter Bewick who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. Bewick is a full time employee of Encounter Resources Ltd and has sufficient experience which is relevant to the style of mineralisation under consideration 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'. Mr. Bewick consents to the inclusion in the presentation of the matters based on his 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 relevant ASX releases and the form and context of the announcement has not materially changed.

Industry snapshot



Greenfields exploration revival targeting Tier 1 gold and base metal deposits under cover in Australia is generating new discoveries



Majors and mid-tier companies pursuing growth and restocking project pipelines through collaboration with explorers



The traditional equity market funding model for exploration companies is in a state of transition



Innovative ideas and exploration tools can generate a genuine competitive advantage









“ *The prospect generators are trading at a substantial discount. The speculative money in the space doesn't seem to be able to differentiate between sole risk exploration that is funding exploration projects with your own balance sheet, and knowledge businesses like prospect generators.*

”

**Rick Rule, Chief Investment Officer,
Sprott Resource Holdings –
Streetwise Reports 25 May 2019**

Multiple opportunities for Tier 1 discoveries and lower equity dilution

Project generator model – the superior model for exploration

	Traditional Junior	Project Generator
 Number of projects	Few (1 or 2 flagship projects)	Multiple +5
 Target size	Small – moderate (more likely brownfield)	Major tier 1 targets (more likely greenfield)
 Expertise	1-2 key geologists	Multiple expert teams, access to pool of technical specialists & latest technological advances
 Exploration funding	Shareholder equity	Partner project funding, equity market
 Potential outcome	100% of a single discovery 	20%-40% of multiple major discoveries 
 Project development funding	Equity & debt markets	Partner funding to maximise shareholder leverage

The Encounter business model



TIER 1 TARGETS

Project generation and exploration targeting Tier 1 multi-million ounce gold and major base metal discoveries in world-class mineral belts



FAST ADOPTION OF NEW TECHNOLOGIES

Fast mover, early adopter of new technologies and new datasets



HIGH QUALITY PORTFOLIO

High quality projects and management supported by mid-tier and major producers



PROJECT GENERATOR MODEL

Progress project pipeline with a mix of alliances, joint ventures and sole funding



DATA DRIVEN INSIGHTS

Reduce exploration risk and uncertainty through cost effective, data-driven techniques to rapidly prioritise and assess targets

Creating value through project generation and discovery

Encounter at a glance

Capital structure

ASX ticker	ENR
Share price (28/01/2020)	\$0.10
Shares on issue	281M
Options	14M
Market capitalisation	~\$28M
Cash	~\$2.5M
Listed investments	~\$0.9M
Enterprise value (net of cash and listed investments)	~\$25M

Major shareholders

Board and Management	~15%
Independence Group	~9.2%
Silver Lake Resources	~5.3%



Mr Will Robinson
Managing Director
B.Comm, MAusIMM

- 20 years' experience in the resources industry in Australia and Canada
- Former president of the resources industry body, AMEC and a was a member of the Australian Federal Government's 'Resources 2030' Taskforce
- Member of the UNCOVER Australian Executive Committee and the Strategic Advisory Board at the Centre for Exploration Targeting



Mr Peter Bewick
Exploration Director
B.Eng (Hons), MAusIMM

- Geologist with over 25 years of industry experience
- Held a number of senior mine and exploration geological roles during a fourteen year career with WMC include Exploration Manager and Geology Manager of the Kambalda Nickel Operations and Exploration Manager for St Ives Gold Operations
- Held corporate roles with WMC as Exploration Manager for the Nickel Business Unit and Exploration Manager for North America based in Denver, Colorado



Mr Paul Chapman
Non Executive Chairman
B.Comm, ACA, Grad. Dip. Tax, MAICD, MAusIMM

- Chartered accountant with over 30 years experience in the resources sector gained in Australia and the United States
- Held managing director and other senior management roles in public companies



Dr Jon Hronsky OAM
Non Executive Director
BAppSci, PhD, MAusIMM, FSEG

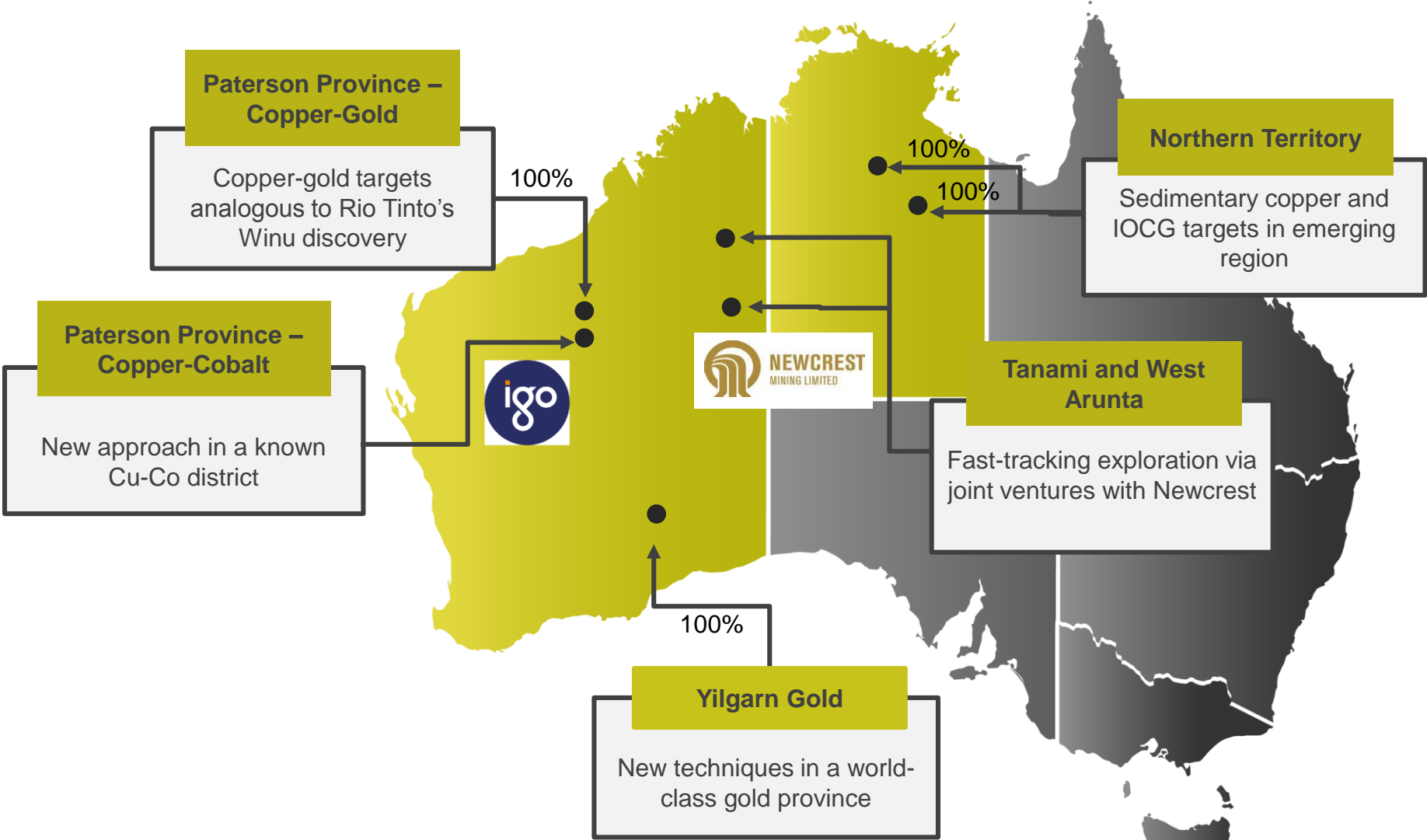
- 30 years of experience in the mineral exploration industry, primarily focused on project generation, technical innovation and exploration strategy development
- Previous Manager-Strategy & Generative Services for BHP Billiton Mineral Exploration
- Adjunct Professor at the University of Western Australia in the School of Earth Sciences



Mr Philip Crutchfield
Non Executive Director
B.Comm., LL.B (Hons), LL.M LSE

- Highly respected barrister specialising in commercial law
- Non-Executive Chairman of financial services company Zip Co Limited (ASX:Z1P)
- Senior barrister practising in commercial law and former partner of Mallesons Stephen Jaques (now King & Wood Mallesons)

Scale opportunities in a first world jurisdiction



Tanami and West Arunta

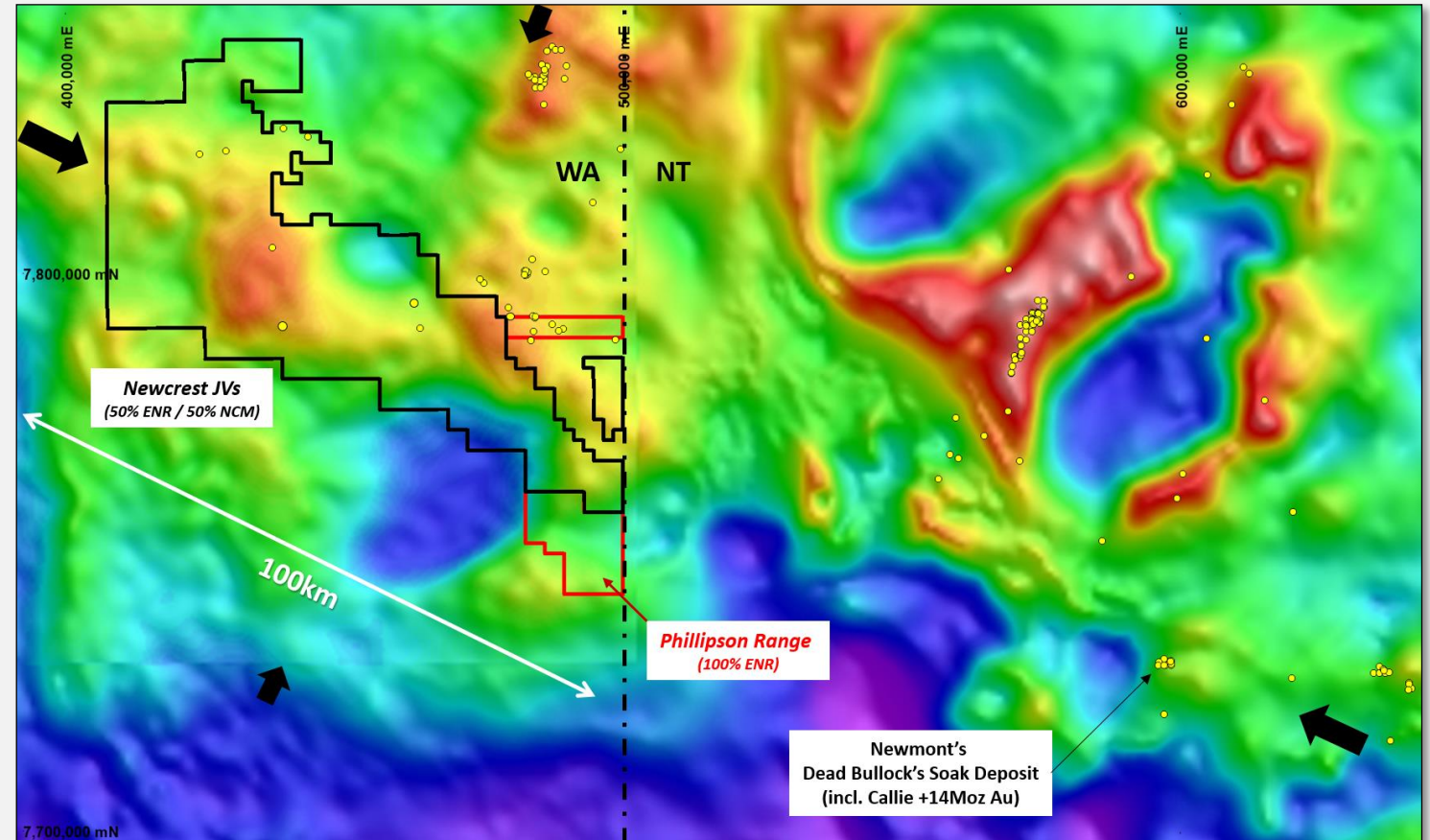
Major exploration portfolio in one of the world's most prospective gold regions

“I think about what we have in our portfolio in terms of what gets us really excited in exploration, Tanami's up there in the top two or three.”

**Newmont Goldcorp CEO Tom Palmer
Denver Gold Forum - Sept 2019**

Tanami: a major gold exploration portfolio

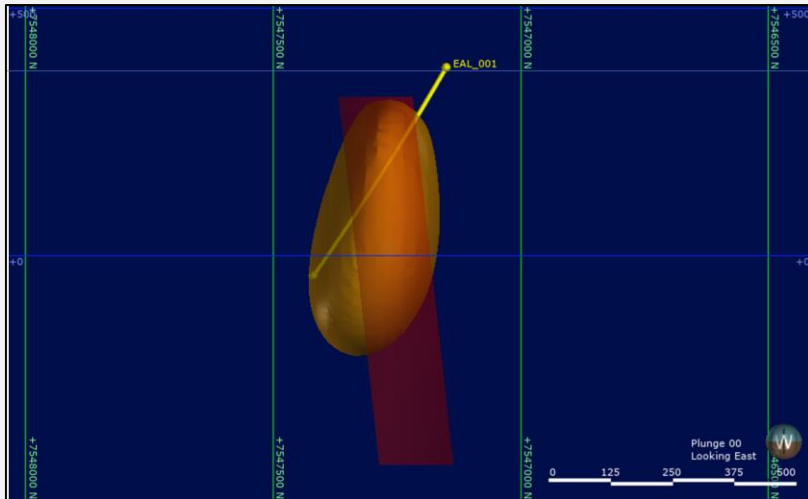
- Multiple joint ventures with Newcrest covering >3,000km² of the Tanami Gold Province in WA
- 100km of strike along the major structural corridor interpreted to be the key controlling structure for gold mineralisation in the Tanami
- Material new near mine gold discoveries at Newmont Goldcorp +14Moz Callie gold mine
- Shallow historical exploration has defined multiple Tier 1 deposit footprints
- First-pass drilling at Mojave and Afghan in late 2019 intersected gold mineralisation in a favourable structural setting



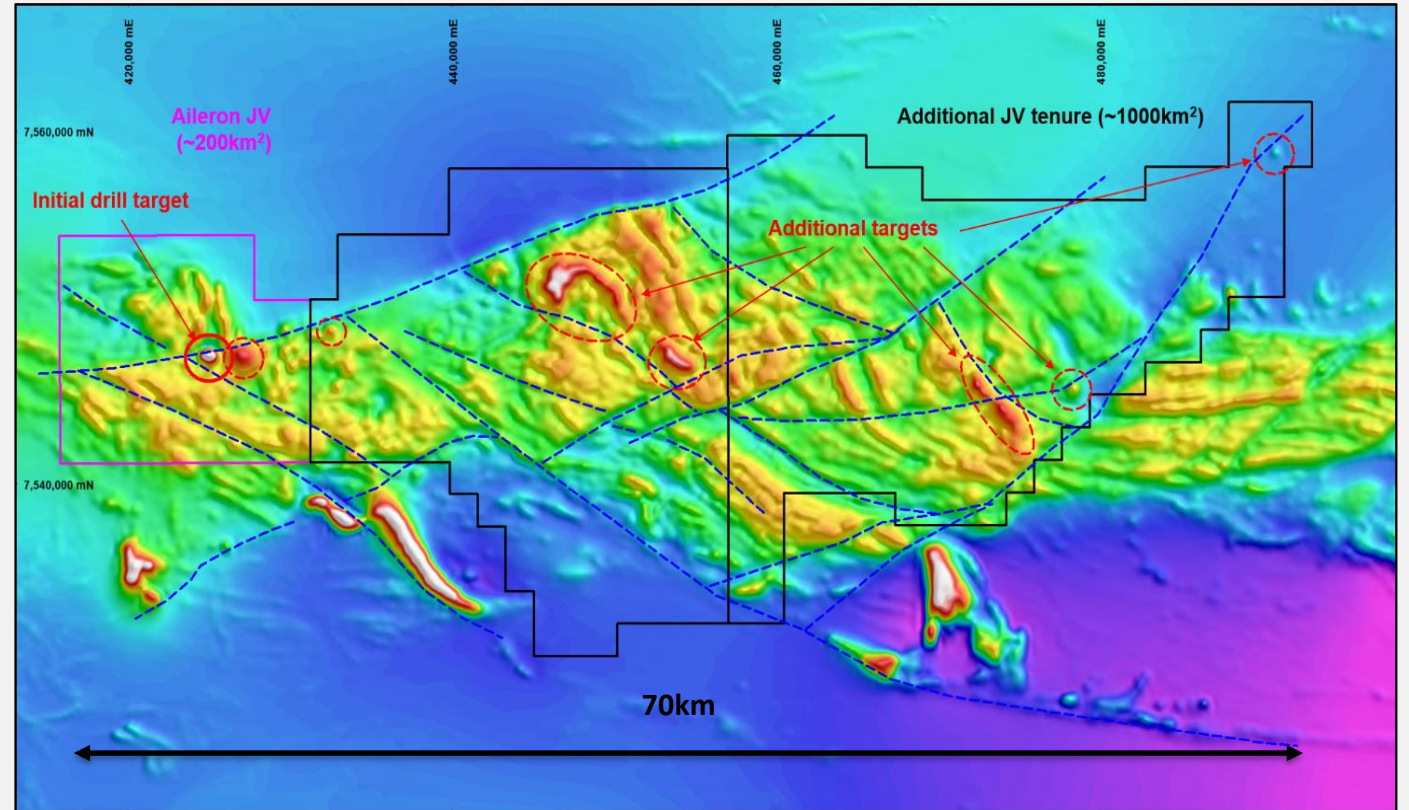
Tanami Joint Venture areas with gold occurrences (yellow) over regional gravity data

West Arunta: large IOCG target in a new region

- Joint venture with Newcrest covering 1,300km² within the West Arunta province of WA
- Large IOCG target identified with scale of an Ernest Henry or Carrapateena style system
- Initial drill target is a steeply dipping 500 x 200m magnetic body starting from ~50m below surface¹
- Exploration Incentive Scheme co-funded drilling grant of up to \$150,000, drilling planned for July 2020



Modelled magnetic feature at Aileron with planned first drill hole



Tenement Location Plan on TMI background

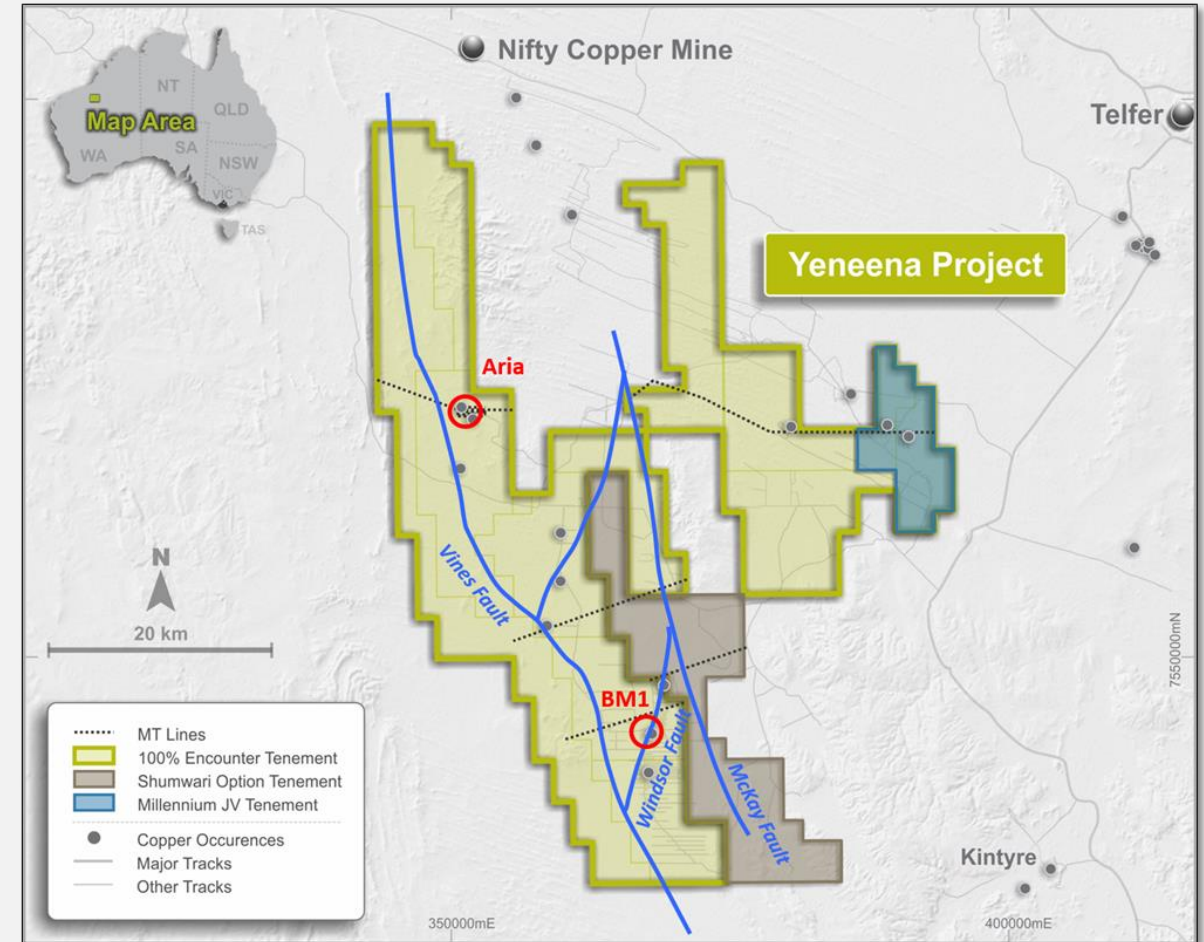
Paterson Province

Proterozoic, sediment hosted
Copper-Cobalt deposits

Copper-Gold targets
analogous to Rio Tinto's
Winu discovery

Australia's hottest copper address

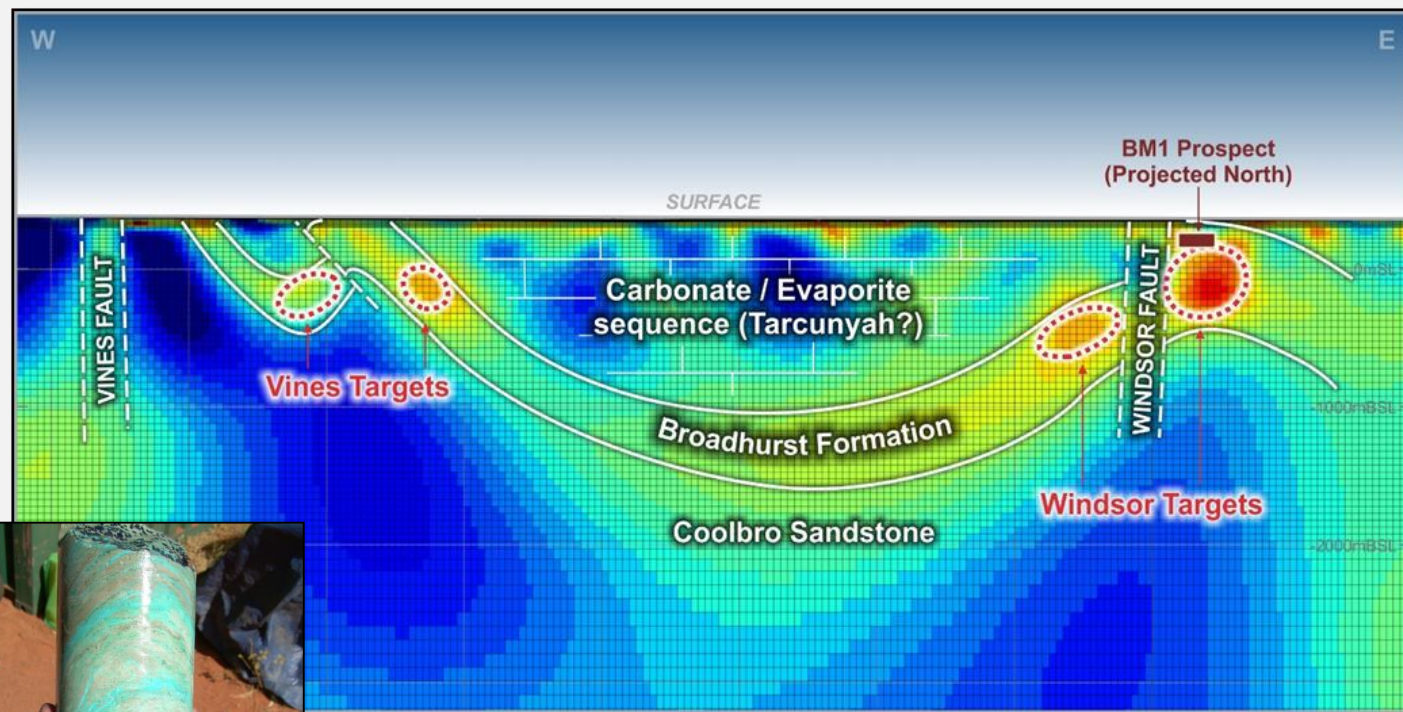
- The Paterson Province is a proven mineral region with a consistent history of discoveries
- Encounter holds exploration tenure over 1,600km² of the Paterson Province:
 - Central African Copperbelt analogue
 - Magmatic Copper-Gold (Winu analogue)
- Independence Group NL (IGO) and Encounter joined forces in November 2019 to advance the Yeneena Copper-Cobalt Project:
 - IGO became a major shareholder in Encounter
 - IGO has the right to enter into a \$15M earn-in agreement to secure a 70% interest in Yeneena any time before 1 March 2020
- Well funded majors and juniors actively exploring in the region and making new discoveries include:



BM1: a 14km long copper-cobalt system

Yeneena Copper-Cobalt Project – Paterson Province WA

- BM1: Coherent zone of shallow copper oxide mineralisation. Best intersections include¹:
 - 10m @ 6.8% Cu from 32m*
 - 20m @ 2.0% Cu from 22m*
 - 16m @ 3.2% Cu from 26m
- Large mineral system containing extensive copper sulphide mineralisation. Best intersections include:
 - 5m @ 2.5% Cu from 388m
 - 52m @ 0.6% Cu from 42m
 - 74m @ 0.4% Cu from 74m
- Large scale (~100 line km) magnetotelluric (MT) survey has identified a suite of new copper drill targets
- Conductivity anomalies highlight potential for extensions to the BM1 system.



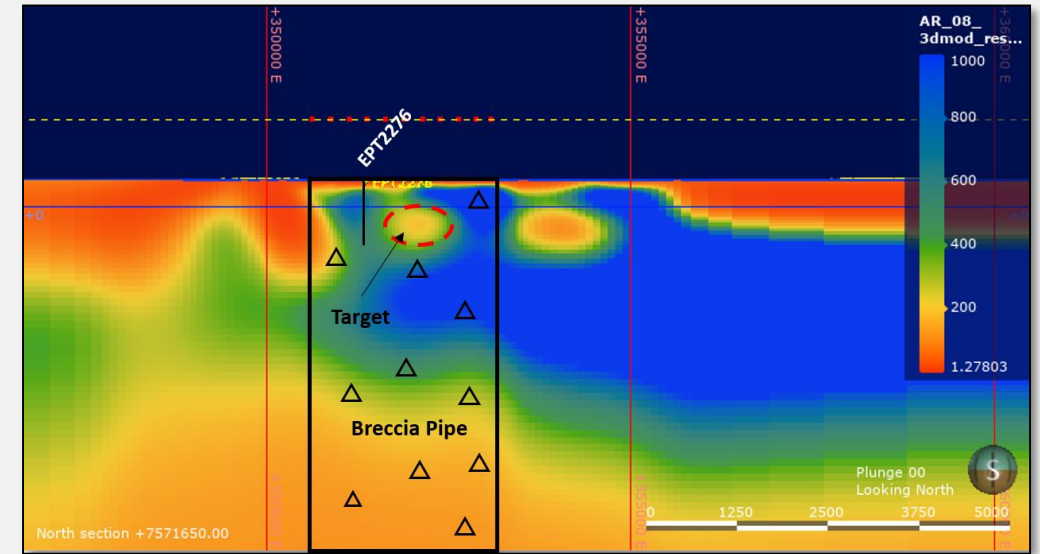
MT section – Vines Fault to BM1. Interpreted geology with drill targets



BM1 Diamond core

Yeneena Copper-Cobalt Project – Paterson Province WA

- 2019 program included the first use of several advanced exploration technologies, including:
 - A large-scale magnetotelluric survey (~100 line-km) to advance 3D target definition – completed in July 2019
 - End-of-hole trace multi-element geochemistry of historical aircore drilling to define alteration footprints of copper deposits
 - Application of new surface geochemistry techniques to detect base metal anomalies through shallow sand cover
- Aria IOCG prospect - Audio-magnetotelluric (AMT) survey revealed a conductive feature within the interpreted breccia pipe.
 - Feature is untested by prior drilling with the closest drill hole located 500m to the west containing localised copper mineralisation (~1% Cu).



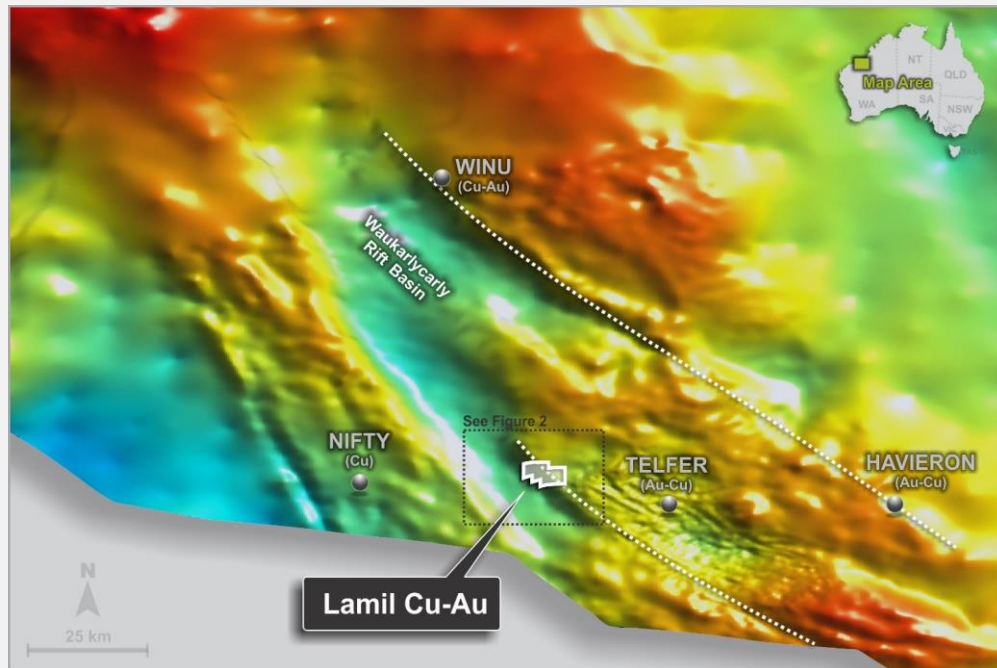
MT section – Aria IOCG prospect and interpreted geology



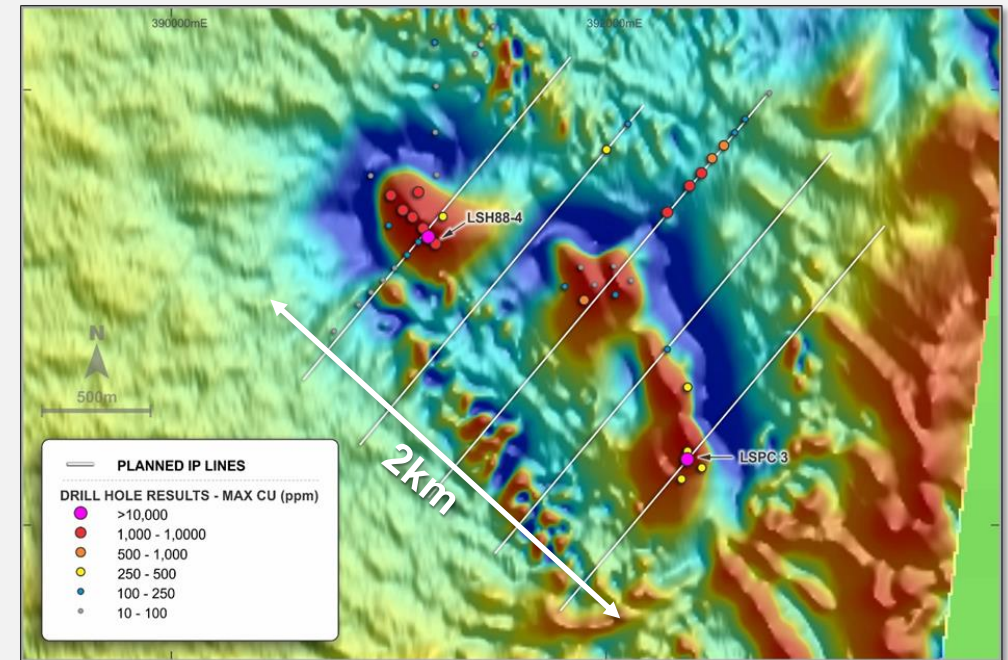
Drill core from Aria IOCG-style intrusion with copper sulphides (EPT2276)

Copper-gold targets in the Paterson Province (100% ENR)

- Broad zones of Cu-Au anomalism associated with a series of magnetic anomalies on a regional scale gravity lineament
- Shallow historical drilling by Newmont in the 1980s, targeting gold, intersected thick zones of strong copper anomalism
- Structural setting of Lamil is analogous to Rio Tinto's Winu copper-gold discovery

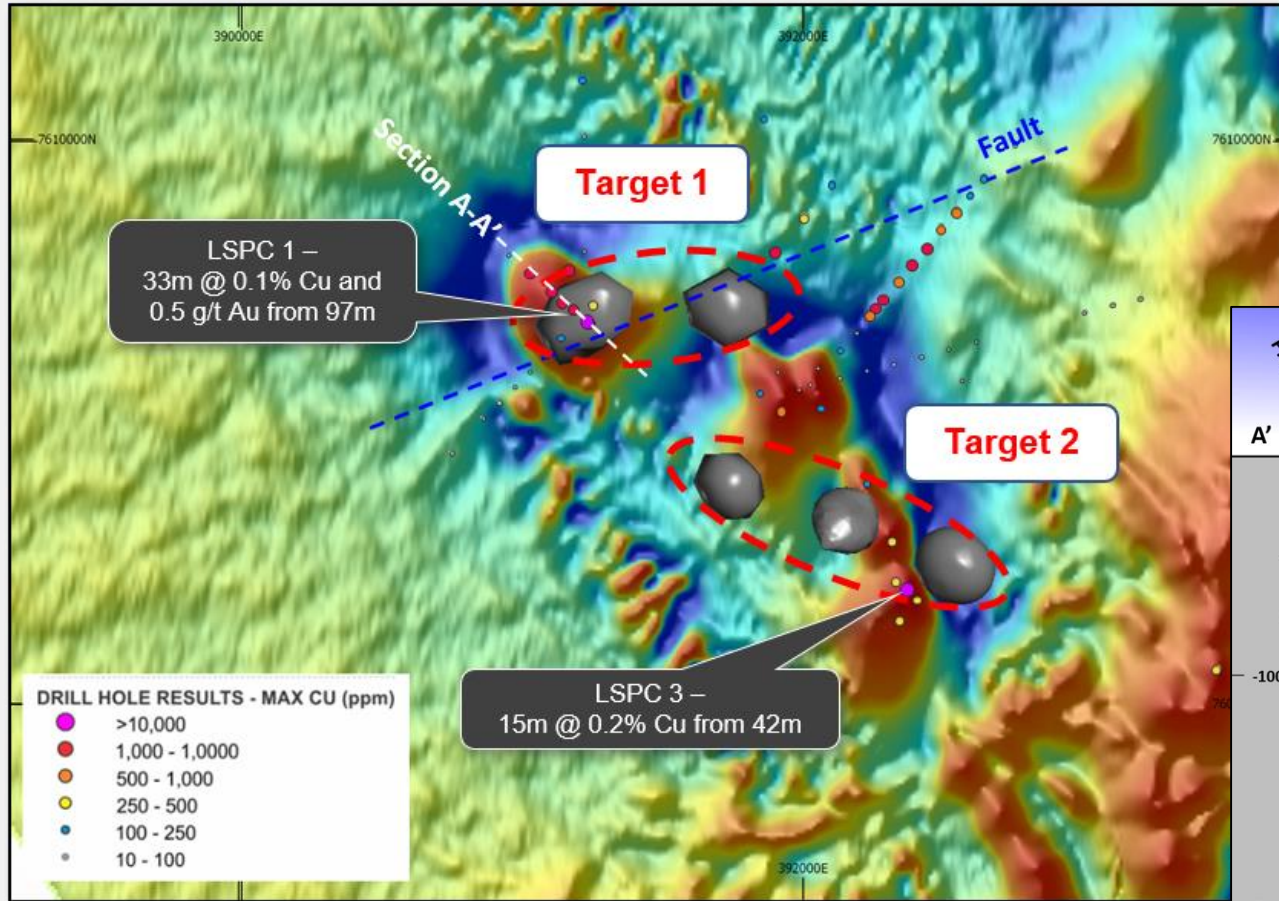


Regional gravity over Seebase depth to Proterozoic basement image (red = shallow, blue = deep)



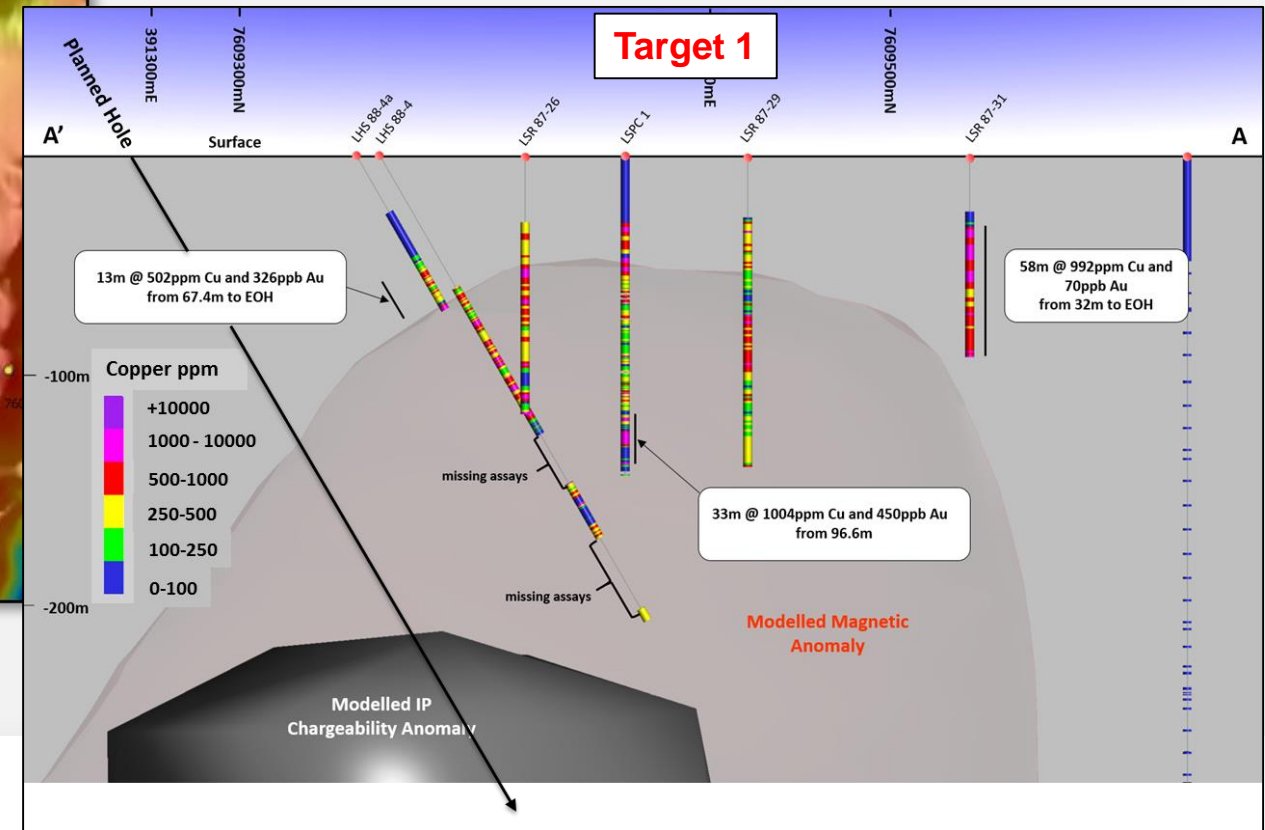
Drill location plan with aeromagnetic background (TMI 1VD pseudo colour image) and IP lines (Ineffective and unassayed holes have been omitted from this image)

Lamil - EIS co-funded diamond drilling Mar/April 2020



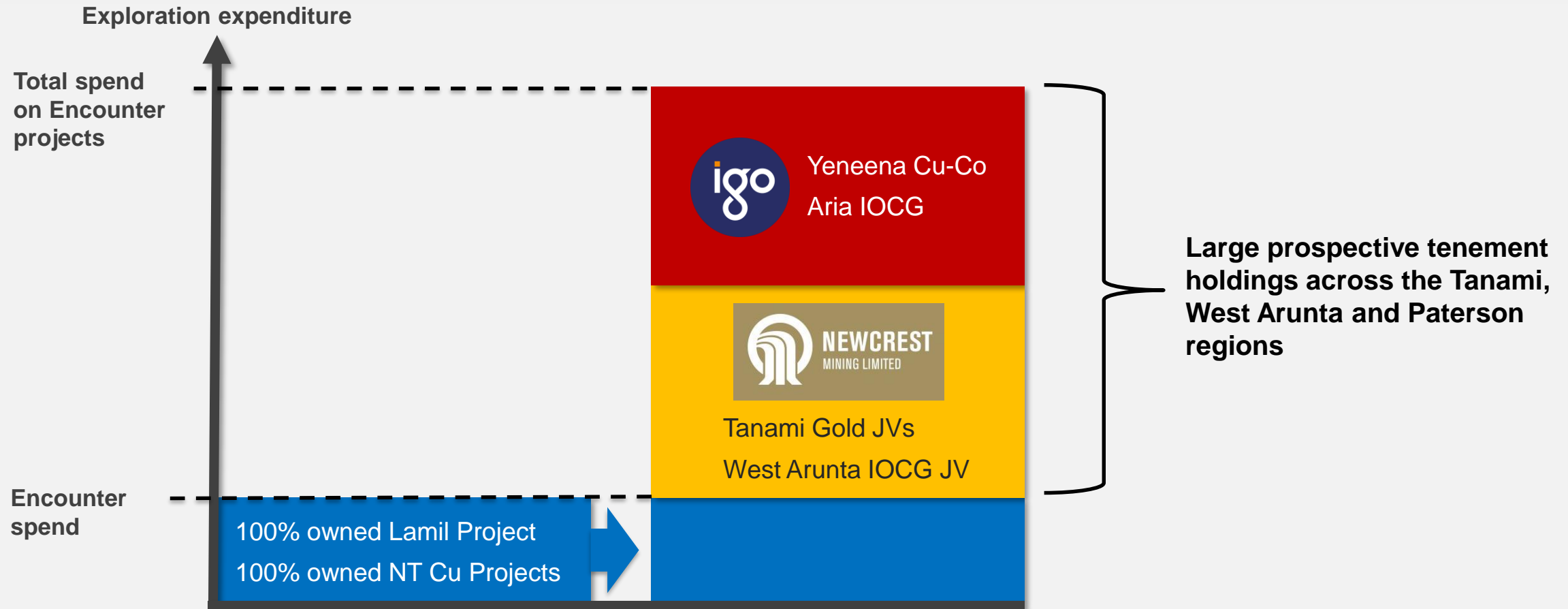
Chargeability anomaly location plan (shown in grey) with aeromagnetic background (TMI 1VD pseudo colour image)

- Induced Polarisation (IP) chargeability anomalies adjacent to modelled magnetic anomaly in an area of no previous drilling
- Anomalies may represent stronger sulphide development within the larger 2km long zone of intense alteration



Shareholders gain exposure to significant exploration expenditure with minimal dilution

Foundations established for an active 2020



Active exploration programs in world-class minerals belts

High-quality joint venture partners and investors

Multiple Tier 1 opportunities in 2020:

- Lamil (ENR 100% – Paterson)
- Aileron IOCG JV (Newcrest – West Arunta)
- Tanami Gold JVs (Newcrest – Tanami)
- Aria IOCG (IGO – Paterson)
- Yeneena Cu-Co Targets (IGO – Paterson)
- Elliot Sedimentary Copper (ENR 100% – NT)
- Jessica IOCG/Sed. Copper (ENR 100% – NT)

Major Shareholders and Partners:

