



# Leading Project Generators in WA

Investor Update  
November 2018

# Disclaimer and compliance statement

This presentation has been prepared by Encounter Resources Limited (“Encounter”). The information contained in this presentation is a professional opinion only and is given in good faith. Certain information in this document has been derived from third parties and though Encounter has no reason to believe that it is not accurate, reliable or complete, it has not been independently audited or verified by Encounter.

Any forward-looking statements included in this document involve subjective judgement and analysis and are subject to uncertainties, risks and contingencies, many of which are outside the control of, and maybe unknown to Encounter. In particular, they speak only as of the date of this document, they assume the success of Encounter’s strategies, and they are subject to significant regulatory, business, competitive and economic uncertainties and risks. Actual future events may vary materially from the forward looking statements and the assumptions on which the forward looking statements are based. Recipients of this document (“Recipients”) are cautioned to not place undue reliance on such forward-looking statements.

Encounter makes no representation or warranty as to the accuracy, reliability or completeness of information in this document and does not take responsibility for updating any information or correcting any error or omission which may become apparent after this document has been issued.

To the extent permitted by law, Encounter and its officers, employees, related bodies corporate and agents (“Agents”) disclaim all liability, direct, indirect or consequential (and whether or not arising out of the negligence, default or lack of care of Encounter and/or any of its Agents) for any loss or damage suffered by a Recipient or other persons arising out of, or in connection with, any use or reliance on this presentation or information.

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



Few companies undertaking greenfields exploration for Tier 1 deposits in Australia



Majors and mid-tier companies pursuing growth and restocking project pipelines



Innovative ideas and exploration tools can generate a genuine competitive advantage



Investor sentiment towards junior explorers has created real value opportunities

“ Major, mid-tier, and intermediate mining companies, are now crowding back into the exploration space...all of a sudden, the prospect generators, which are unknown and unloved, have customers flocking to them. ”

***Rick Rule, President & CEO of  
Sprott – Global Resource Insights  
9 October 2018***



## The Encounter business model



Project generation and exploration in world-class mineral belts



Targeting Tier 1 multi-million ounce gold and major base metal discoveries in WA



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



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



# Encounter at a glance

## Creating value through project generation and discovery

- Targeting **gold deposits with scale** potential in Western Australia: Tanami, Paterson Province, Laverton Tectonic Zone
  - Multiple, well funded, exploration programs via five 50:50 joint ventures with Australia's largest gold miner **Newcrest Mining Ltd** (ASX:NCM) in the Tanami and West Arunta province
  - Shallow gold opportunities surrounding the 30Moz Telfer gold mine (100% ENR)
  - Innovative new CSIRO developed geochemical sampling technique generating new targets in southern extension of the +40Moz Laverton Tectonic Zone (100% ENR)
- Advancing large scale **copper-cobalt** discoveries in the Paterson Province with new partner **Independence Group NL** (ASX:IGO)

Capital Structure	
ASX ticker	ENR
Share price (09/11/2018)	\$0.043
Shares on issue	262M
Options	7.3M
Market capitalisation	~\$11.3M
Cash (30/09/2018)	~\$2.1M*
Listed investments	~\$0.5M
Enterprise value (net of cash and listed investments)	~\$7M
Major shareholders	
■ Board and Management	~15%
■ Independence Group	~9%

\* Plus \$1.8m IGO placement Nov18

# Scale opportunities in a first world jurisdiction

## Tanami and West Arunta

Fast-tracking exploration via five joint ventures with Newcrest

## Paterson Province – Copper-Cobalt

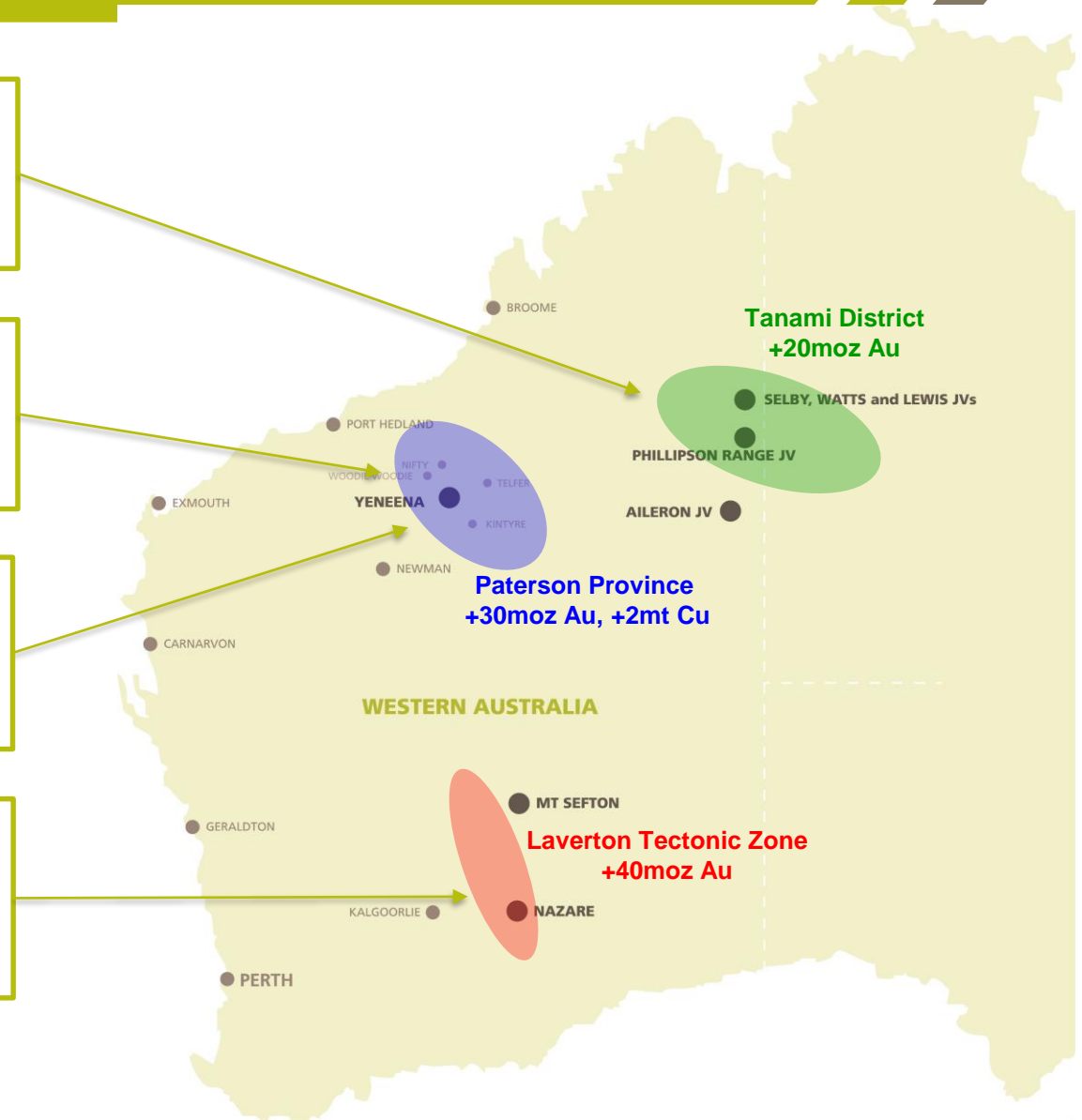
New approach in a known Cu-Co district with Independence Group

## Paterson Province – Gold

New discoveries being made near the 30Moz giant at Telfer

## Laverton Tectonic Zone

Innovative new generative program in a world class gold province



# Board and Management

## Highly Experienced Board and Management



**Mr Paul Chapman**  
**Non Executive Chairman**

*B.Comm, ACA, Grad. Dip. Tax, MAICD, MAusIMM*

Mr Paul Chapman is a chartered accountant with over 30 years experience in the resources sector gained in Australia and the United States. He has experience across a range of commodity businesses including gold, nickel, uranium, manganese, bauxite/alumina and oil/gas.



**Dr Jon Hronsky**  
**Non Executive Director**

*BAppSci, PhD, MAusIMM, FSEG*

Dr. Hronsky has more than 30 years of experience in the mineral exploration industry, primarily focused on project generation, technical innovation and exploration strategy development. He has particular expertise in targeting for nickel sulphide deposits, but has worked across a diverse range of commodities. His work led to the discovery of the West Musgrave nickel sulphide province in Western Australia. Dr. Hronsky was Manager-Strategy & Generative Services for BHP Billiton Mineral Exploration. Dr. Hronsky is an Adjunct Professor at the University of Western Australia in the School of Earth Sciences.



**Mr Will Robinson**  
**Managing Director**

*B.Comm*

Mr Robinson has worked in the resources industry in Australia and Canada for over 20 years. He has held senior management roles at a large international resources company and executive roles in the junior mining and exploration sector. Mr Robinson is also president of the resources industry advocacy body, the Association of Mining and Exploration Companies (AMEC) and was on the Australian Government's Resources 2030 Taskforce.



**Mr Peter Bewick**  
**Exploration Director**

*B.Eng (Hons), MAusIMM*

Mr Peter Bewick is a 25 year experienced geologist and has held a number of senior mine and exploration geological roles during a 14 year career with Western Mining Corporation. These roles include Exploration Manager and Geology Manager of the Kambalda Nickel Operations, Exploration Manager for St Ives Gold Operation and Exploration Manager for WMC's Nickel Business Unit and Exploration Manager for North America based in Denver, Colorado.



# Tanami and West Arunta



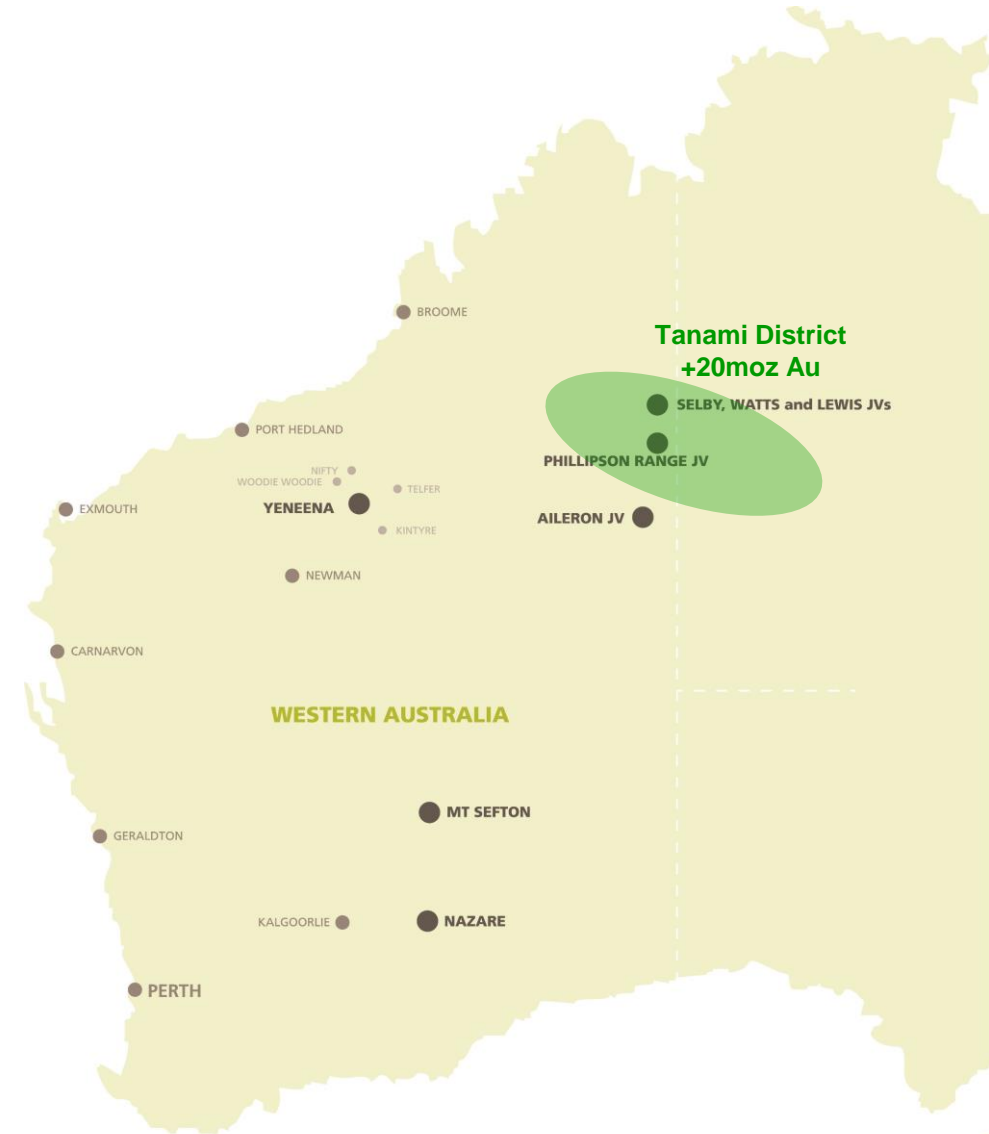
Major exploration portfolio in one of the world's most prospective gold regions





# Tanami and West Arunta – a major new exploration portfolio

- Five separate joint ventures with Newcrest Mining Limited (ASX:NCM) covering 4,400km<sup>2</sup> of the Tanami Gold Province and West Arunta in WA
- Initially, each joint venture will be on a 50:50 basis
- 100km of strike of the major structural corridor that extends through the Tanami
- New regional gravity data outlined a fundamental controlling structure for gold mineralisation
- Material new near mine gold discoveries at Newmont Mining's +14Moz Callie gold mine
- Shallow historical exploration has defined multiple Tier 1 deposit footprints



# Selby, Watts, Lewis JVs with Newcrest

## 100km of strike along the Trans-Tanami structure

### Selby Joint Venture (1,534km<sup>2</sup>) including:

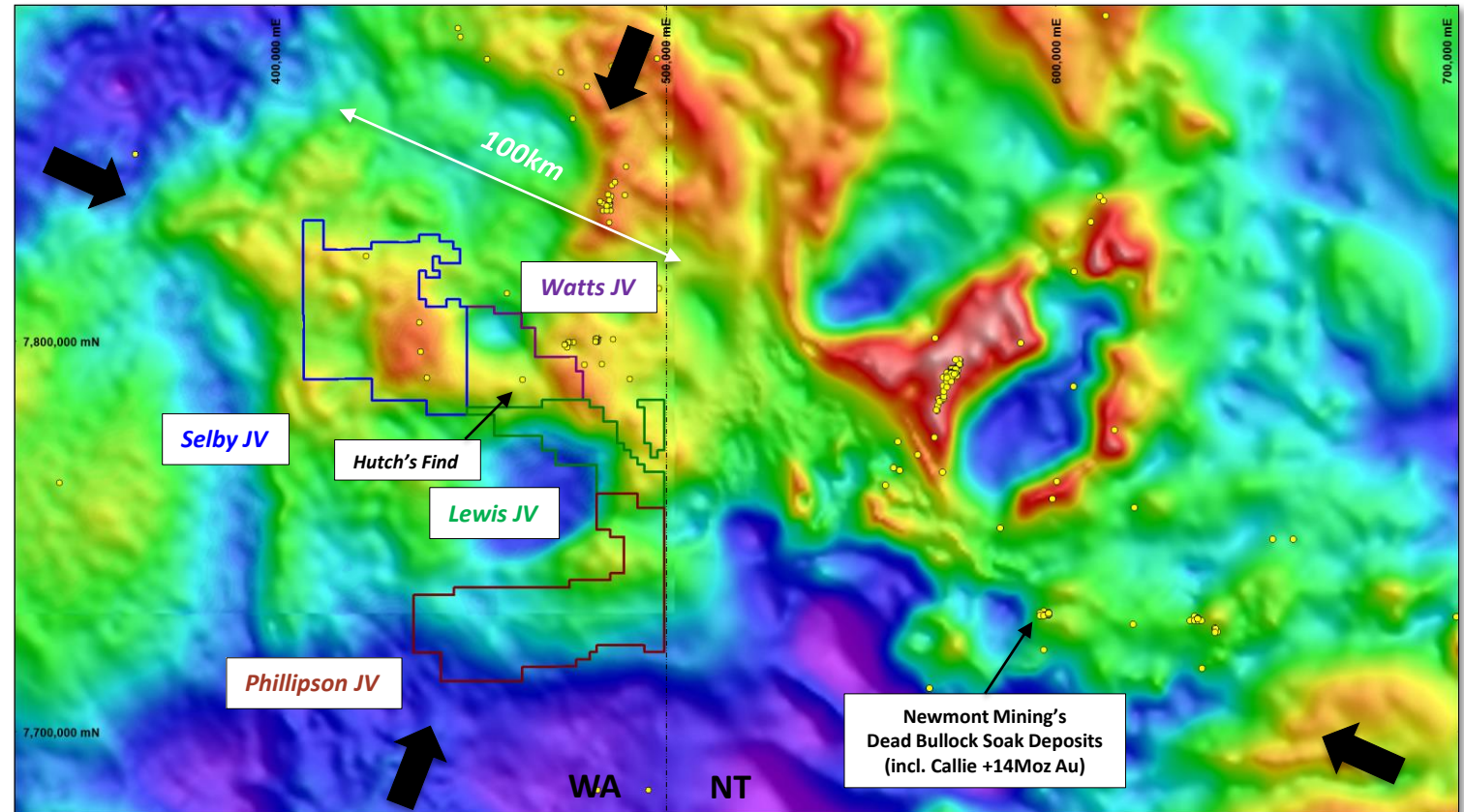
- Bandicoot – discrete 2km long magnetic anomaly with coincident gold/arsenic geochemical anomaly
- Camel – 7.2m @ 3.1g/t Au from 95m in last drilling<sup>1</sup>

### Watts Joint Venture (552km<sup>2</sup>) including:

- Hutch's Find – significant zone of gold/arsenic anomalism in colluvium over 6km of strike
- Limited drilling has returned 19m @ 2.3g/t Au from 98m and 10m @ 5.4g/t Au from 123m<sup>1</sup>
- Sunset Ridge – 8km long arsenic anomaly defined in shallow drilling

### Lewis Joint Venture (619km<sup>2</sup>) including:

- 20 strike km of untested Trans-Tanami Structure

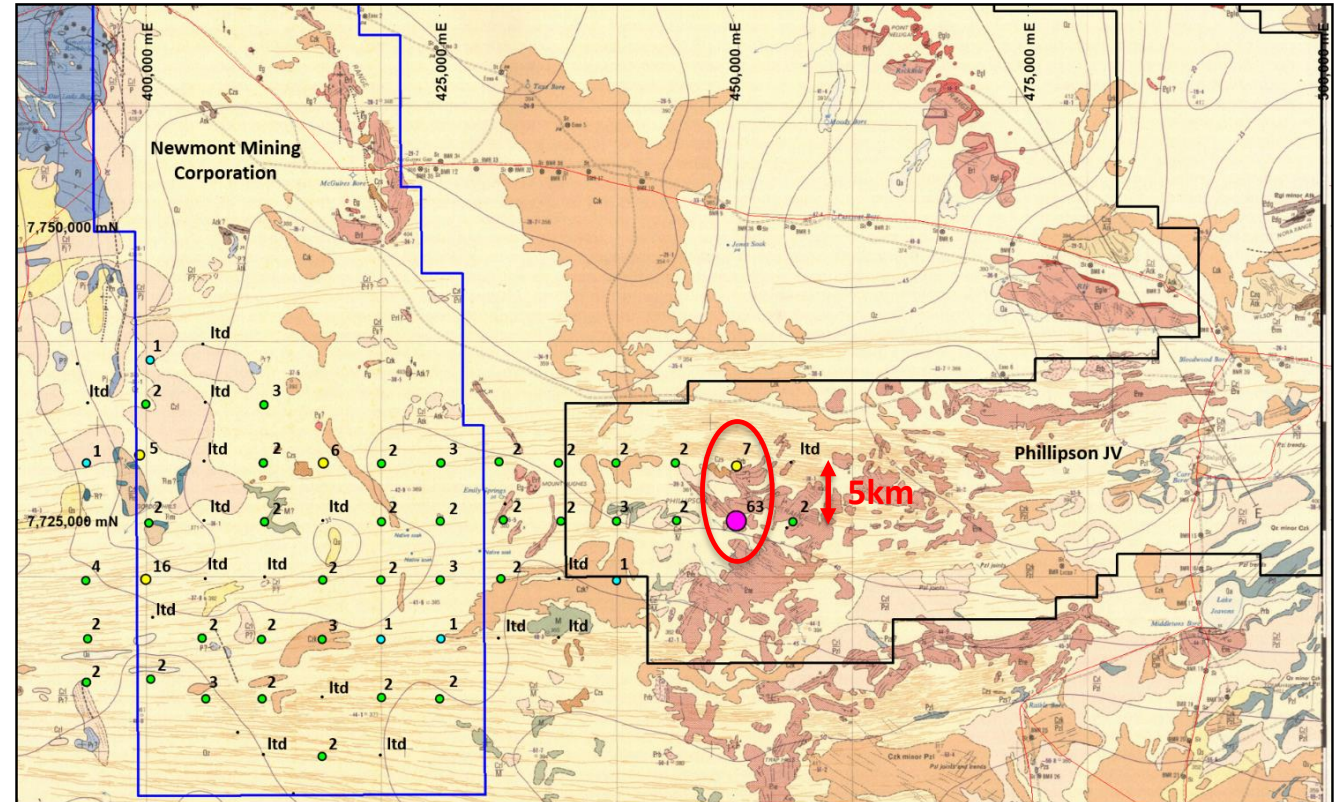


Tanami Joint Venture areas with gold occurrences (yellow) over regional gravity data



# Phillipson JV with Newcrest

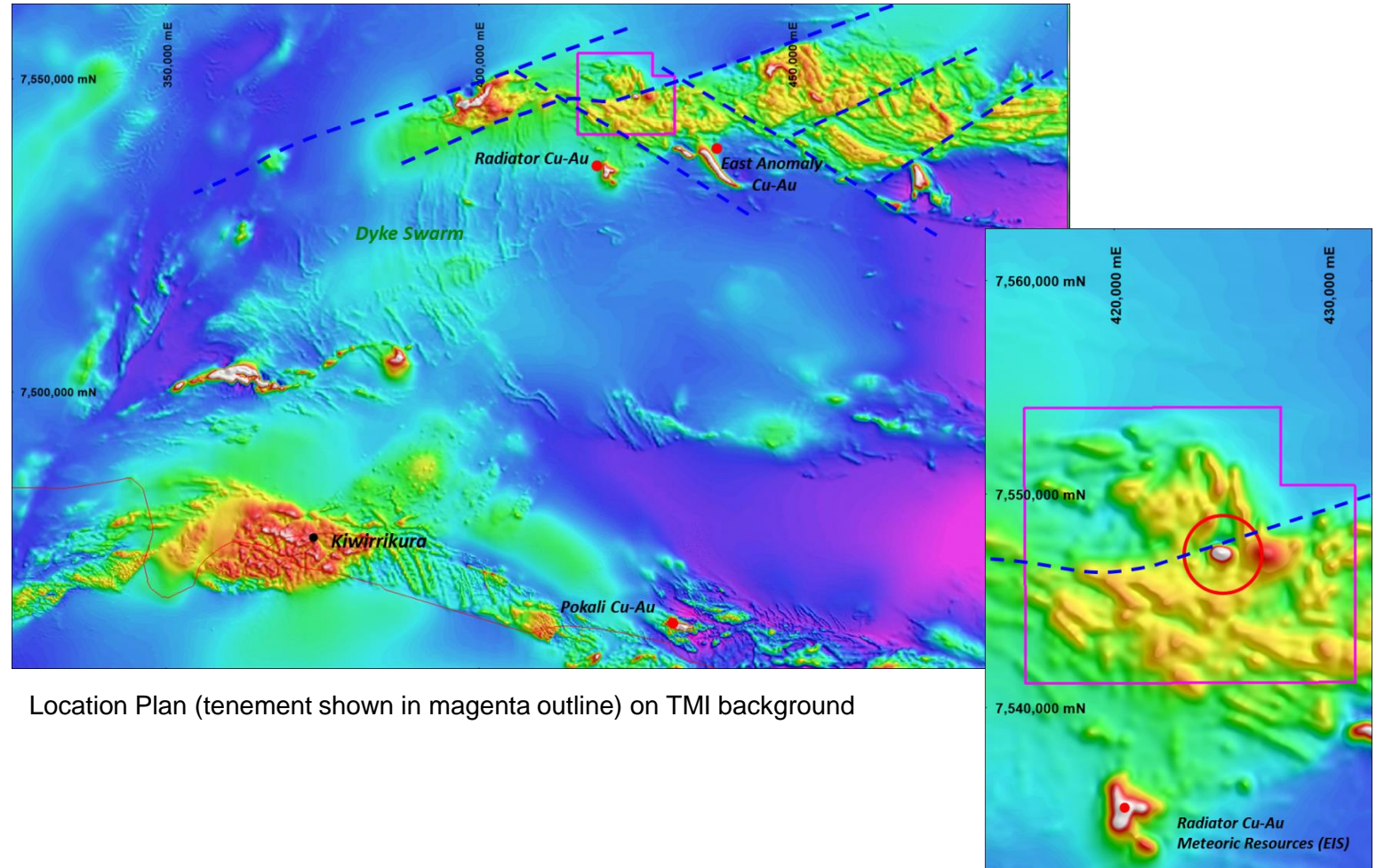
- Genuine frontier first mover opportunity with significant scale
- Highly anomalous 63ppm Au anomaly
- Supporting multi-element anomalism – arsenic up to 90ppm, bismuth up to 2.9ppm and cobalt up to 13ppm
- No previous exploration



GSWA geology and regional 5km by 5km soil sampling program (Au ppb)

# Aileron JV with Newcrest

- Large iron-oxide copper-gold (IOCG) target located in the West Arunta
- Discrete magnetic anomaly consistent with the scale of an Ernest Henry (Glencore) or Carrapateena (Oz Minerals) style system
- High amplitude, 400m diameter sub vertical modelled pipe-like body on a major structural lineament
- No previous exploration





# Newcrest Project Generation Alliance

- Project generation alliance with Australia's largest gold mining company since July 2017
- Newcrest will fund Encounter to generate new 'camp scale' gold exploration opportunities in Tanami and West Arunta of WA
- Key terms of the alliance include:
  - 50:50 joint venture over any approved projects
  - Newcrest may increase its interest to 80% by sole funding exploration and delivering a JORC compliant resource >1Moz gold or gold equivalent
  - Should the alliance elect not to proceed with a project then it will revert back to Encounter 100%
- The alliance was extended by Newcrest for a further 12 months to July 2019 following its initial success





# Paterson Province

➤ Proterozoic, sediment  
hosted Copper-Cobalt  
deposits

➤ Shallow Gold with  
scale potential  
near Telfer






# A known region generating new discoveries

## ■ Why we have focused on the Paterson Province?

- Proven fertility to produce major deposits
- Large outcropping discoveries made in 1970s and 1980s at Nifty (Cu) and Telfer (Au)
- Shallow sand cover inhibited previous explorers
- Applying cutting edge undercover exploration techniques – biogeochem, New CSIRO Geochem, drone mapping, VTEM, MT

## ■ Well funded majors and junior explorers aggressively exploring and making new discoveries in the region

**Rio Tinto**

 Sipa Resources Limited

 ANTIPAMINERALS

 **NEWCREST**  
MINING LIMITED

 **METALS X LIMITED**

 **FMG**

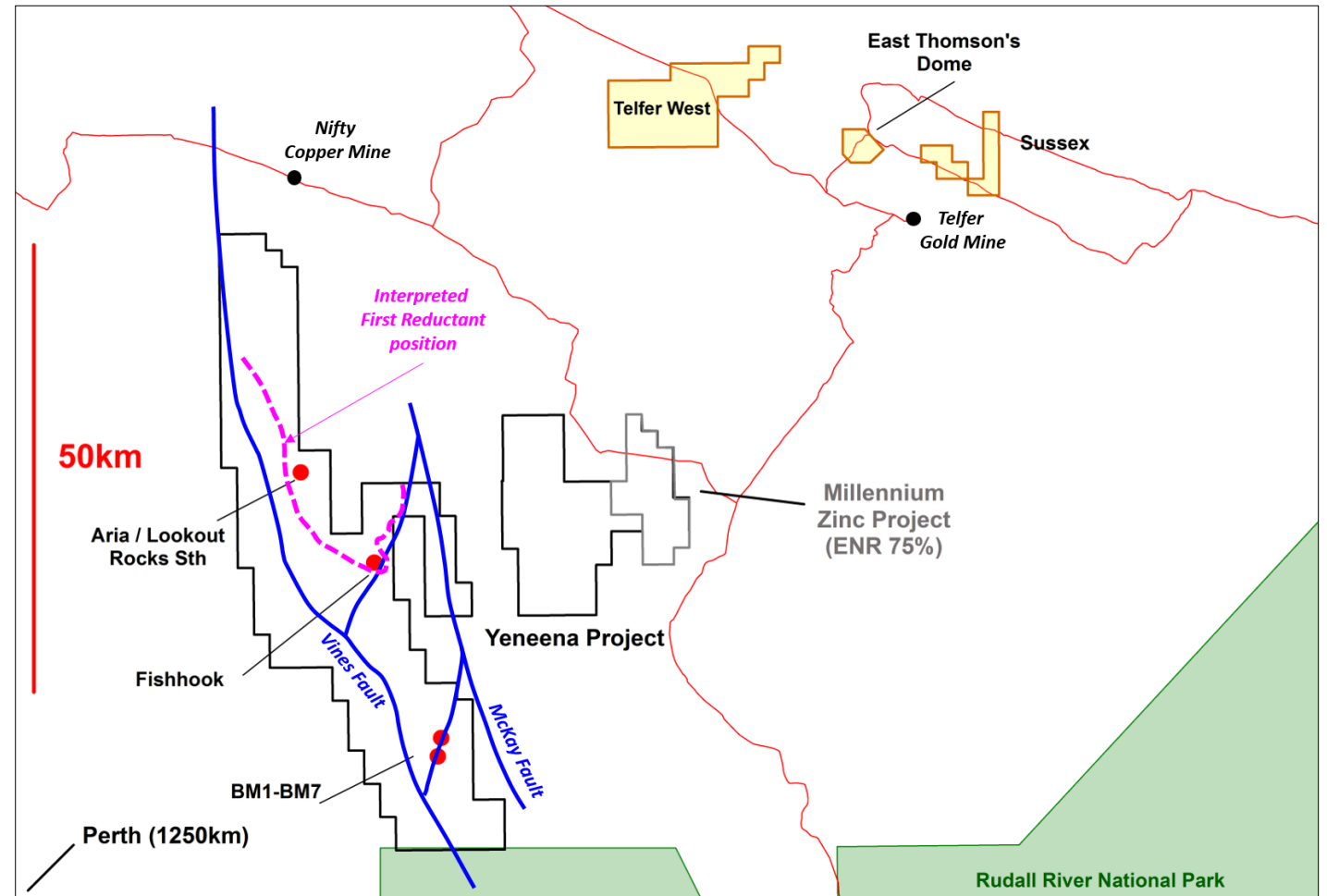
**Fortescue**  
The New Force in Iron Ore

 **encounter**  
RESOURCES LIMITED



# A known region generating new discoveries

- The Paterson Province is a proven mineral region with a consistent history of discoveries and with increasingly active majors
- Encounter holds exploration tenure over 1,400km<sup>2</sup> of the Paterson Province:
  - Central African Copperbelt analogue
- In November 2018 Independence Group NL (ASX:IGO) and Encounter joined forces to advance the Yeneena Copper-Cobalt Project
- IGO new 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
- \$1.6M work program planned in 2019



Paterson Province leasing plan



# Yeneena Copper-Cobalt Project – Paterson Province WA

## 14km long copper-cobalt system at BM1-BM7<sup>1</sup>

- BM1: Coherent zone of near surface copper oxide mineralisation. Best intersections include:
  - 10m @ 6.8% Cu from 32m\*
  - 20m @ 2.0% Cu from 22m\*
  - 8m @ 3.6% Cu from 18m\*
  - 16m @ 3.2% Cu from 26m
- BM7: 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\*
- BM1-BM7 also contains a number of high grade cobalt intersections including:
  - 9m @ 1.0% Co and 1.5% Cu from 42m\*
  - 14m @ 0.45% Co and 0.38% Cu from 14m\*



BM1 Diamond core

# Yeneena Copper-Cobalt Project – Paterson Province WA

## Lookout Rocks – Zambian Copperbelt analogue

- First diamond drill hole intersected zones of disseminated copper mineralisation, up to 1% Cu and up to 0.1% Co
- Mineralisation is hosted by black, reduced carbonaceous sediments, located directly above an oxidised “red bed” stratigraphic unit
- An interpreted 50km of strike of the stratigraphic contact position prospective for “first reductant” copper sulphide mineralisation

Disseminated chalcopyrite in carbonaceous shale  
EPT 2282 (~259.5m downhole  
(1.0%Cu)



## Aria – IOCG style intrusion containing copper sulphides

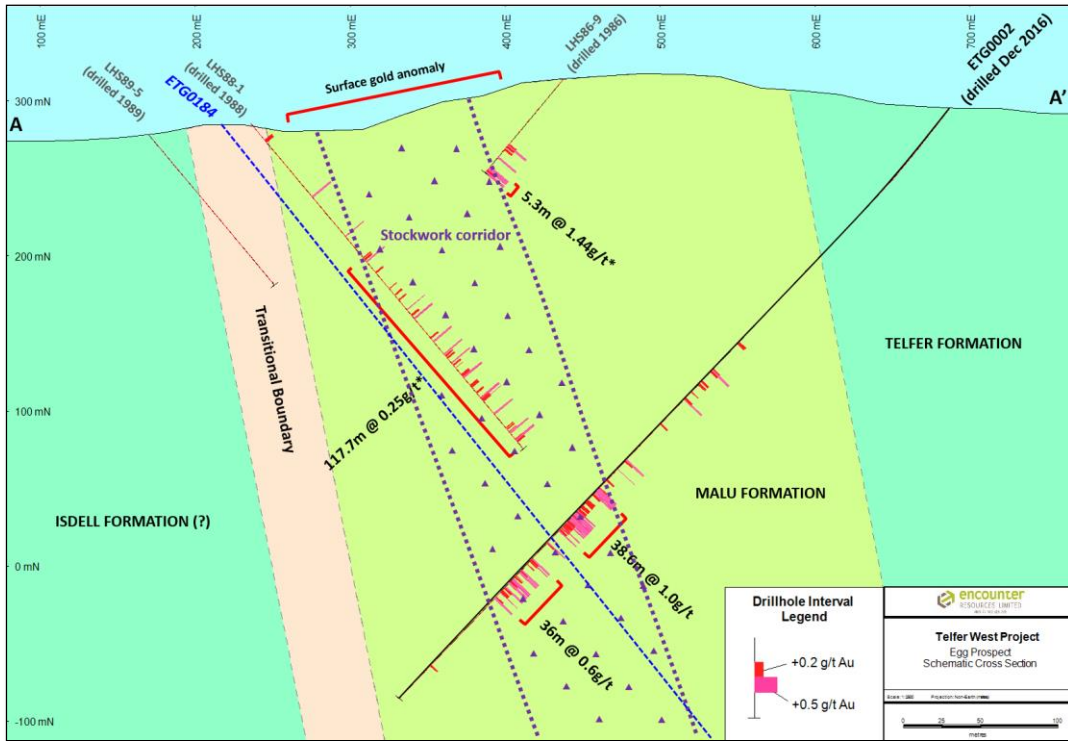
- Significant regional 1.5km long oval shaped magnetic anomaly located on major crustal scale structure
- Copper mineralisation (~1% Cu) intersected in both diamond holes drilled to date but the magnetic and gravity anomalies remain unexplained
- Geology confirmed as hematite-altered, polymictic breccia of probable IOCG style
- Possible setting for large tonnage copper deposit (eg. Carrapateena)



Aria Prospect Drill Core EPT2276

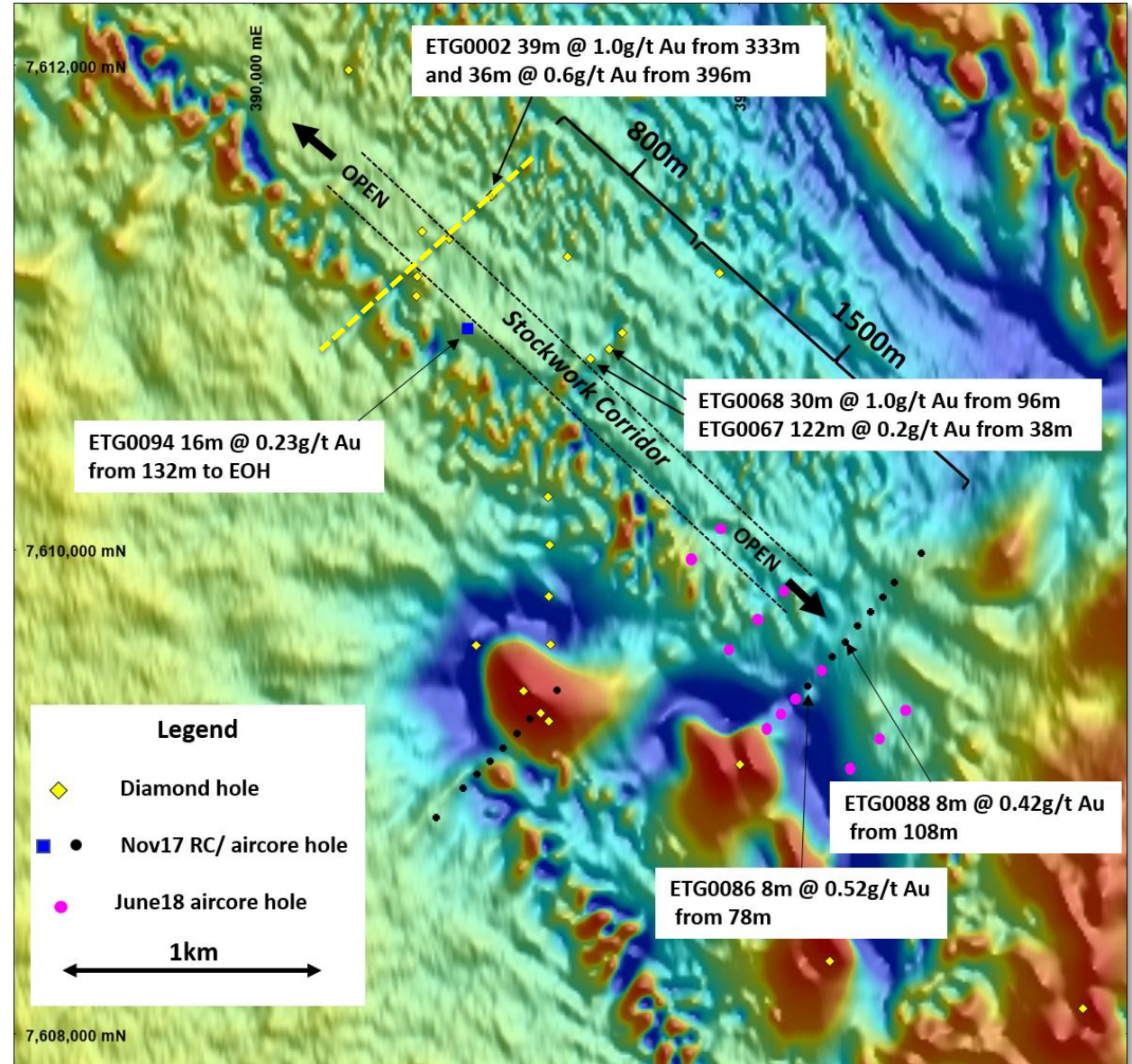


# Large scale gold system at Telfer West



- Encounter intersected broad, depth extensive, zone of stockwork style gold mineralisation<sup>1</sup>
- The focus of future exploration will be north-west where this mineralised body remains open and untested

<sup>1</sup>Refer ASX announcements 19 January 2018, 5 September & 21 December 2017





# Laverton Tectonic Zone



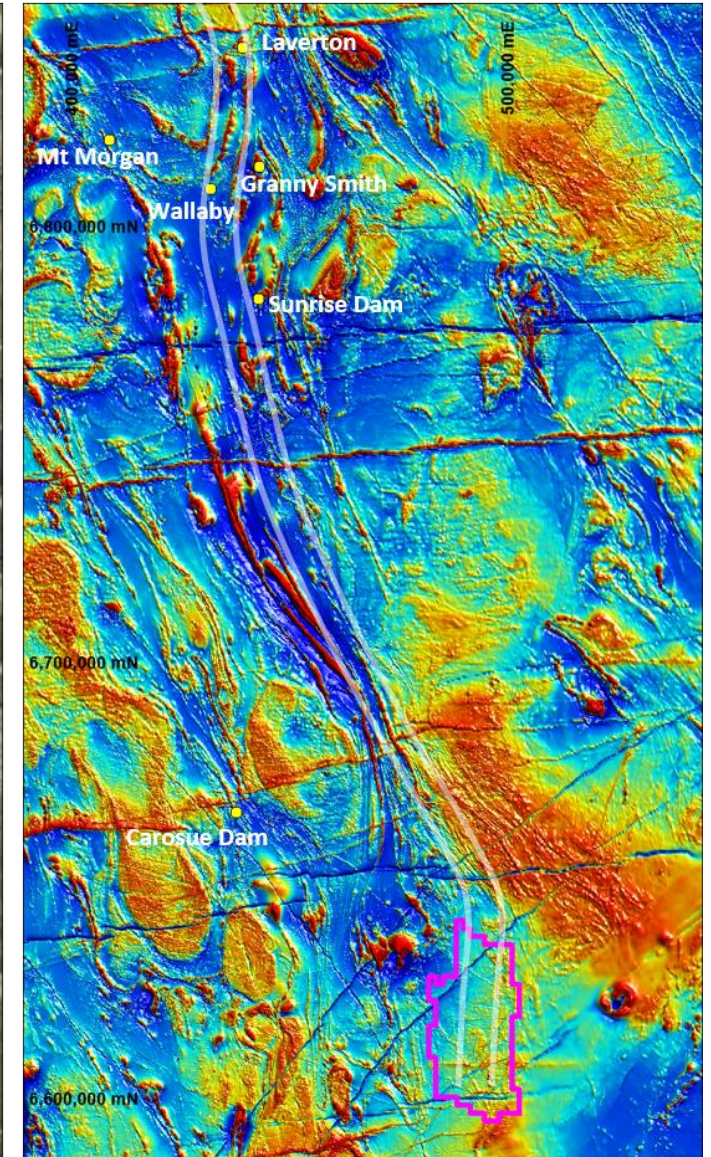
Novel generative  
targeting in a  
world class gold  
district





# Project Generation in Laverton Tectonic Zone

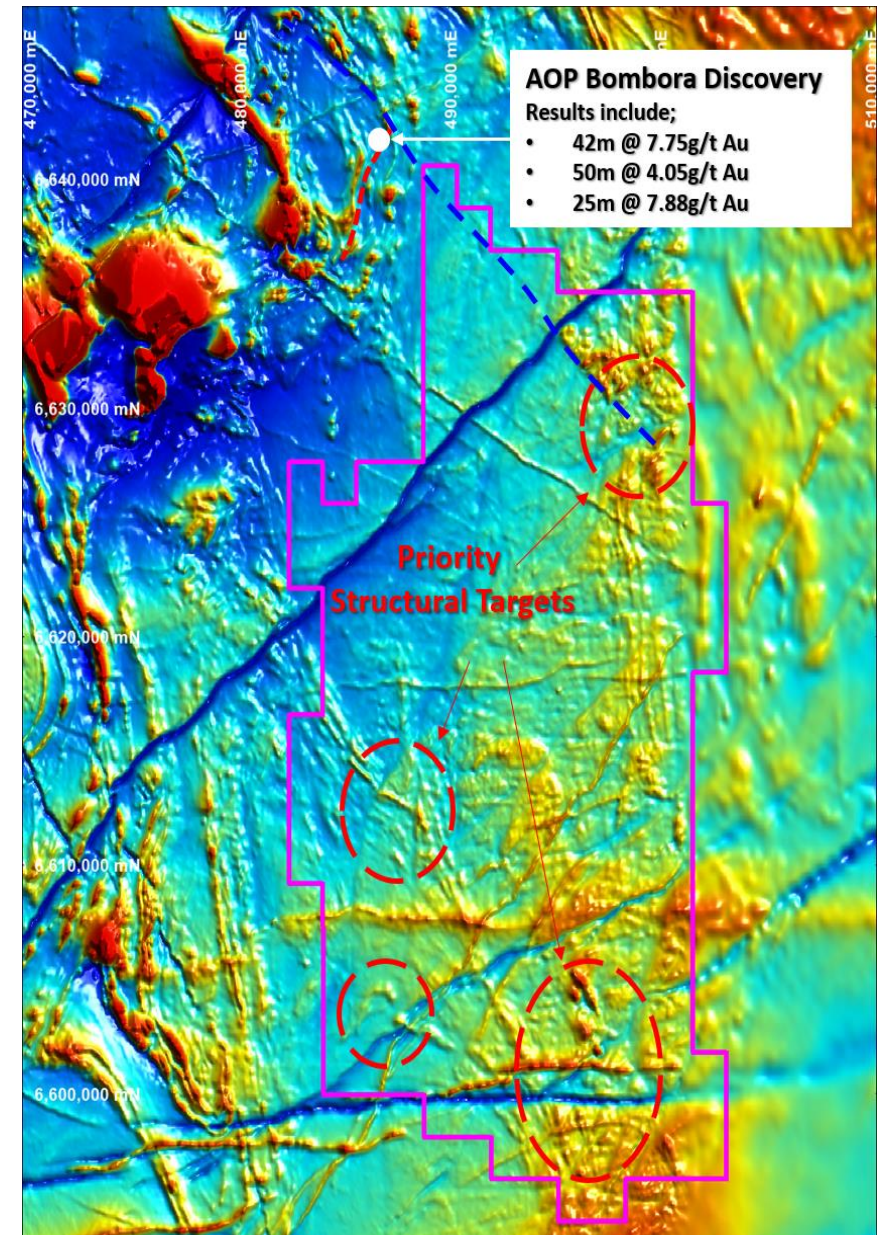
- Nazare Project is located approximately 150km east-north-east of Kalgoorlie
- Large 900km<sup>2</sup> area captures 40 strike kilometres of the Laverton Tectonic Zone
- Laverton Tectonic Zone is a prolific gold district that hosts major gold mines at Laverton (>2Moz), Granny Smith (>2Moz), Wallaby (>8Moz) and Sunrise Dam (>10Moz)





# Exploration commenced at Nazare

- Recent Bombora gold discovery<sup>1</sup> by Apollo Consolidated Limited (ASX:AOP)
- Initial exploration will focus on priority structural intersections identified in the regional magnetic surveys in areas of shallow cover with no prior gold exploration
- Innovative new CSIRO developed geochemical sampling technique has defined gold anomalies with significant contrast to background
  - Important regional implications
  - Further testing has commenced



Nazare Gold Project over TMI magnetics



# A Leading Project Generator

## New ideas, data and technology



### **Generating and effectively evaluating new projects**

- Fast mover, early adopter of **new technologies** and **new datasets**
- Reduce exploration risk and uncertainty through **data-driven** approaches
- Apply cost effective new techniques to rapidly prioritise targets

## Filtering and progressing targets



### **Advancing earlier stage targets to determine scale and potential**

- Nazare
- Mt Sefton
- Bunnawarra
- Gold projects near Telfer

## Aggressive 2019 exploration programs



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

- Multi-million ounce Tanami targets
- Copper-cobalt in the Paterson

### **Substantial 2019 programs:**

- Aggressive exploration programs planned for 2019 across the Tanami and the Paterson
- Well-defined advanced targets



Five separate 50:50 JVs with Australia's largest gold producer



Equity placement and JV option  
Adopting new targeting model

# Investment proposition



Few companies undertaking greenfields exploration for Tier 1 deposits in Australia



Majors and mid-tier companies pursuing growth and restocking project pipelines



Innovative ideas and exploration tools generating genuine competitive advantage



Project Generator model provides leverage to multiple Tier 1 discovery opportunities

“

We want Encounter at the forefront of finding the next generation of Tier 1 mineral deposits in Australia.

”

***Will Robinson***  
***Managing Director***  
***Encounter Resources***