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We are all in this together... bringing stakeholders on the journey

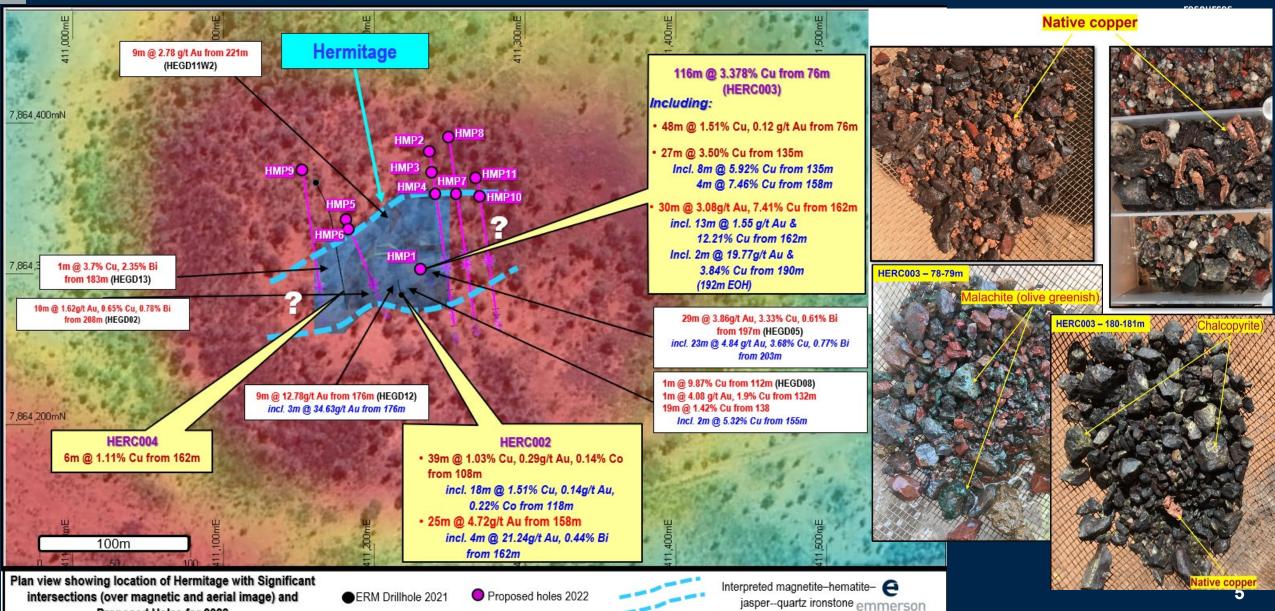
- Emmerson respects the traditional owners of the land, the Warramungu people
- We have a long and trusted association with the T/O's since we commenced exploration in Tennant Creek in 2007......we are a founding sponsor of Clontarf, the Stars, and provide training and employment opportunities
- In 2020, Emmerson struck a landmark JV with the custodians of the Jasper Hills area, whereby the custodians have a stake in any future development plus tangible benefits during exploration....incl. protection of the sacred sites
- We continue to work with the custodians, the AAPA and the CLC to unlock this project and play our part in "closing the gap"
- If successful, this will provide an opportunity to apply modern exploration to an area that was last explored back in the 1980's but noting that exploration is not mining!





# ASX: Stunning 116m at 3.4% copper and 0.88g/t gold at Hermitage The drill hole stopped in 2m at 20g/t gold and 3.9% copper...

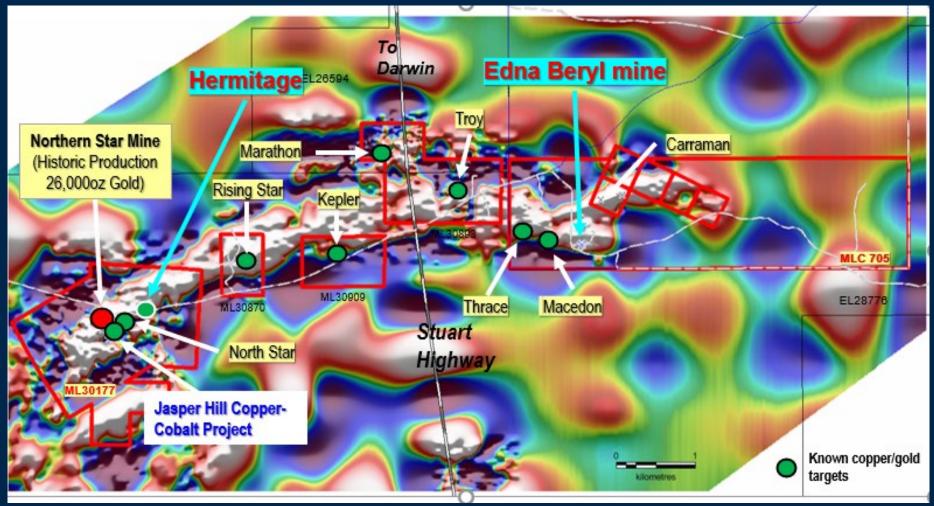




Proposed Holes for 2022

### Northern Project Area Gravity Corridor



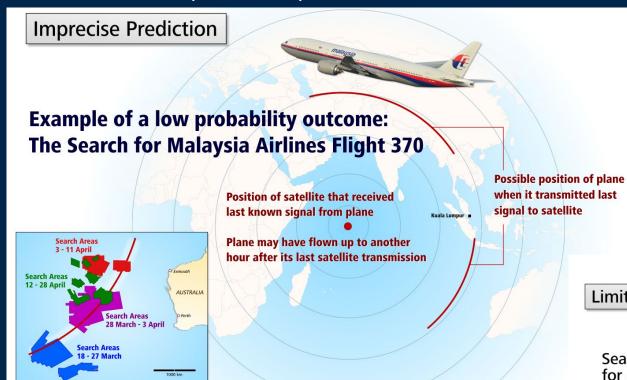


**Prediction 1** – major deposits associated with gravity high/gravity ridges

#### What dictates success in exploration:

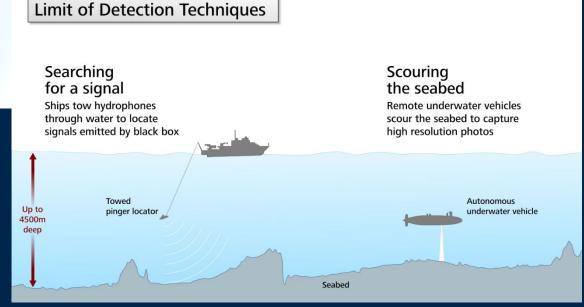
The top two tenets of Exploration....can you **Predict** the next discovery... and then **Detect** it (find it??)





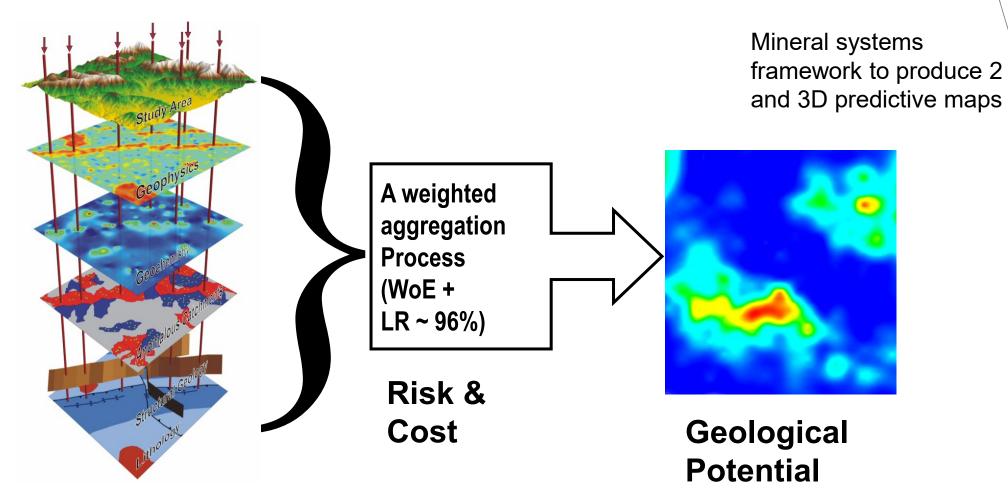
Discovery is the biggest value driver in the resource business

An example of where Prediction + Detection ≠ Discovery



#### The top two tenets for Exploration Success

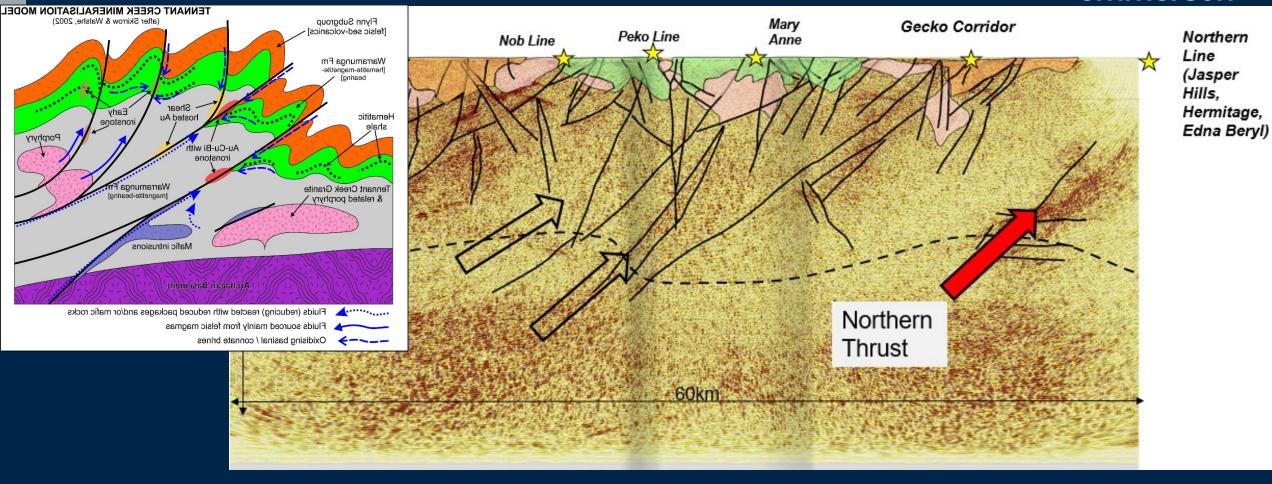
Predicting the next discovery... and then Detecting it (finding it!)





### Co-Funded Seismic.....NTGS and ERM

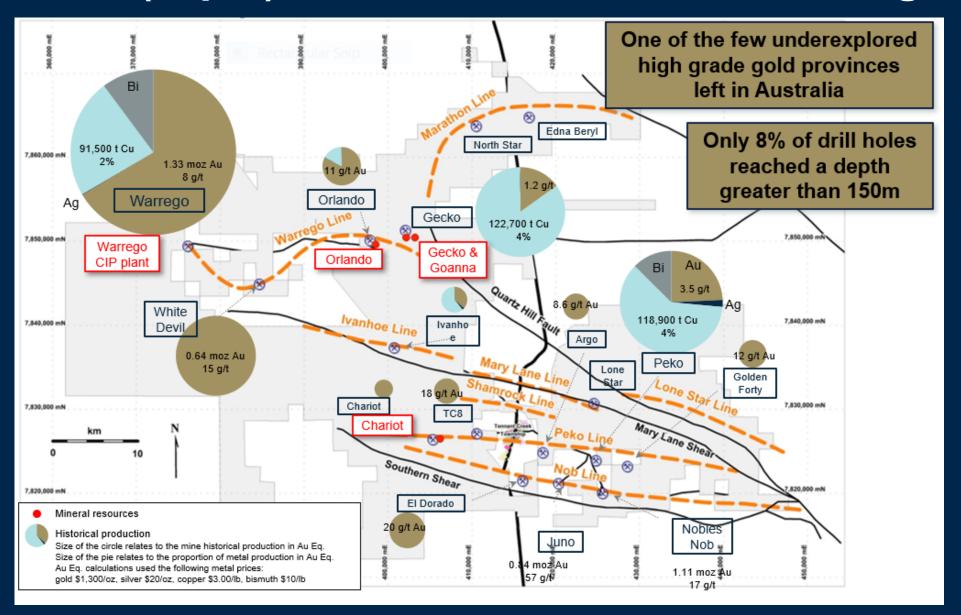




**Prediction 2**: Gold deposits in the TCMF occur along predictive D1 structural corridors, associated with deep seated thrust faults and intrusions from the Tennant Creek Supersuite

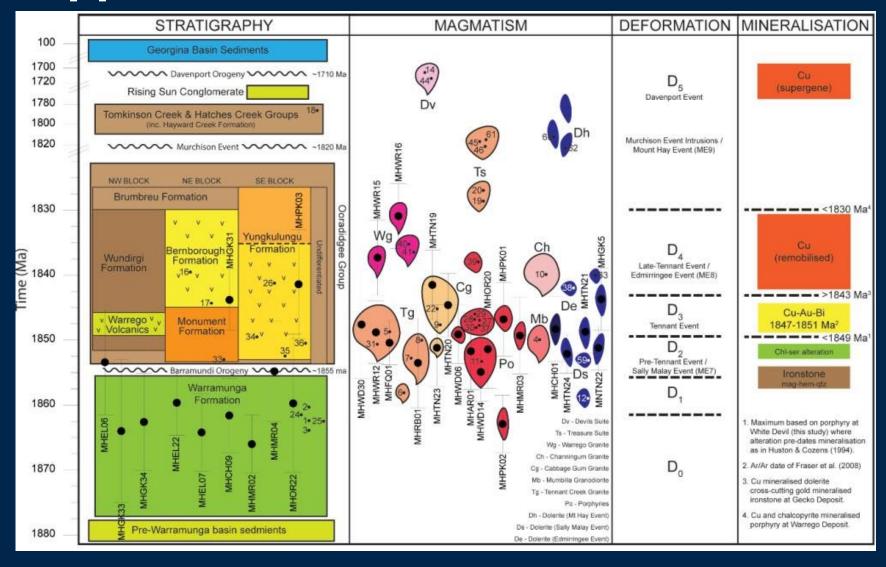
#### The third (depth) dimension.....and the challenge!





### It all happens in the Tennant Event.....

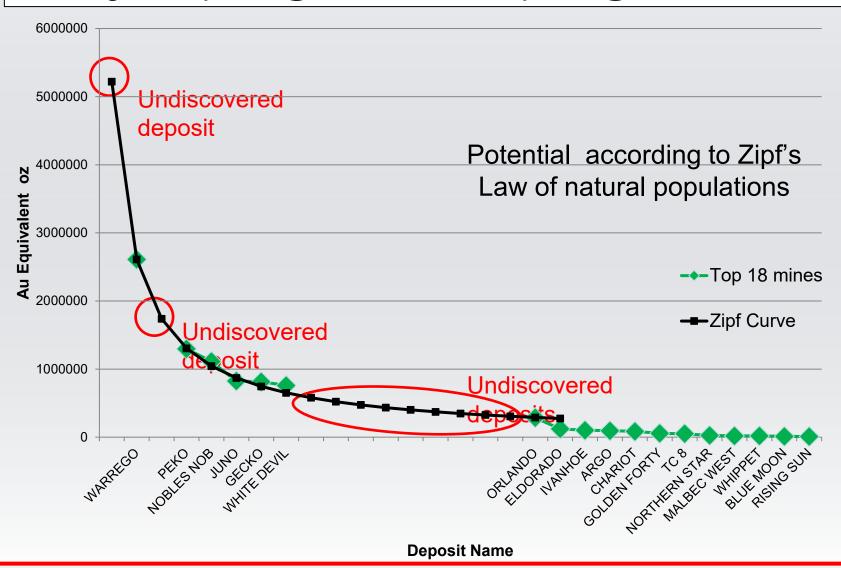




Prediction 3: max complexity in the Tennant Event = optimal fluid pathways from reactivation of D1 conduits plus chemical and physical traps (pre-existing ironstones)

#### Discovering the undiscovered......

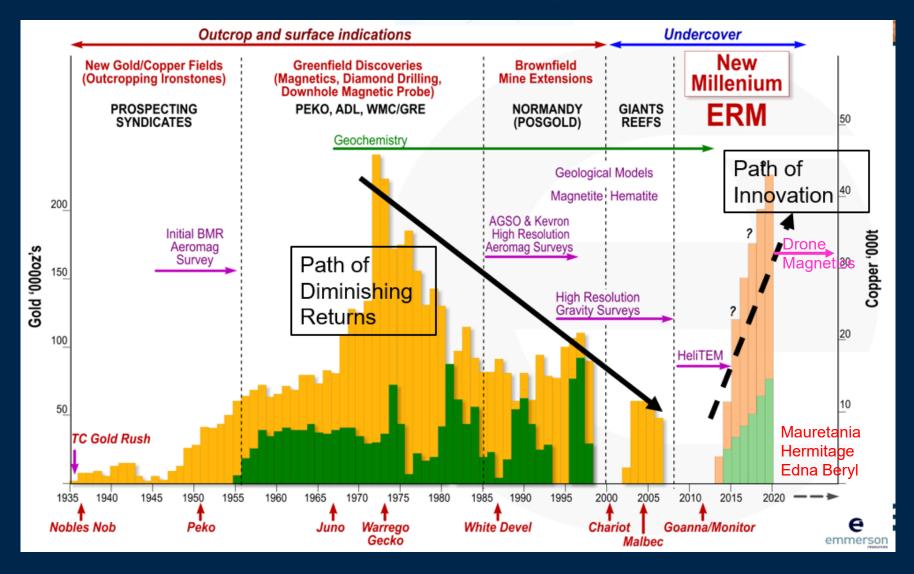
Missing: 1 deposit @ 5.2Mozs, 1 deposit @ 1.74Mozs, +++





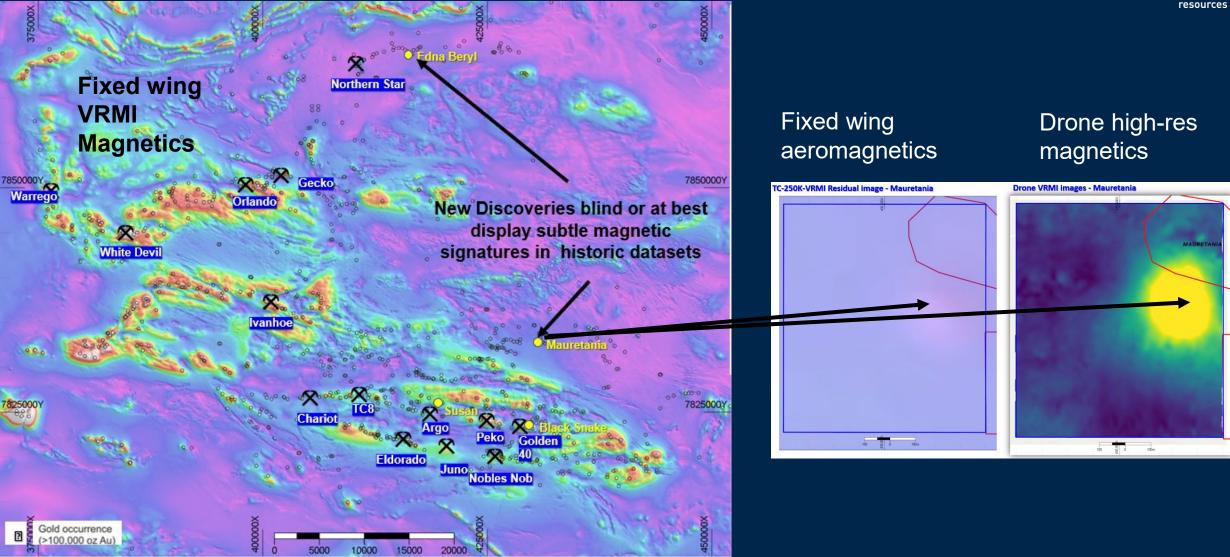
### Detection.....no gold bullet!





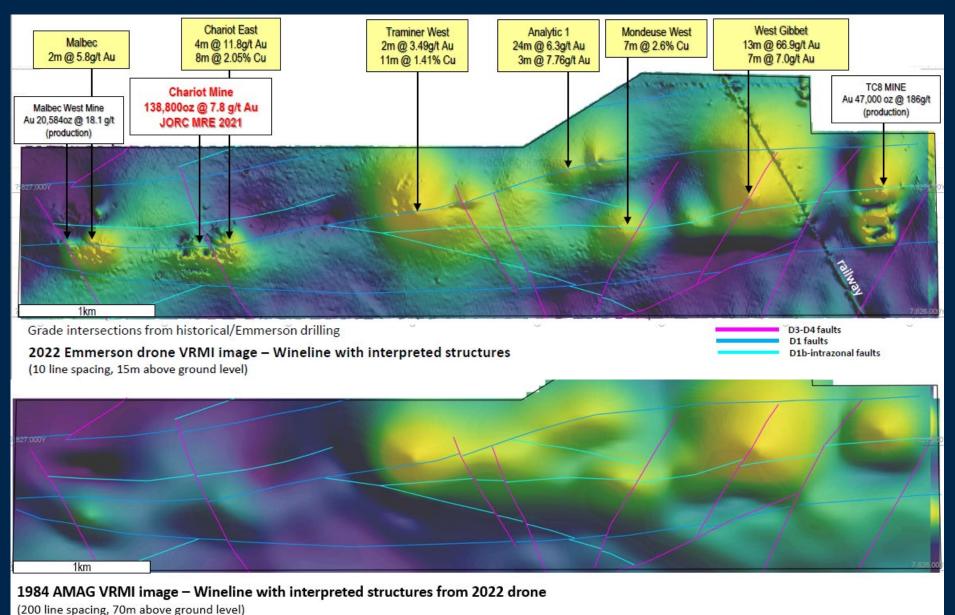
## Hiding in plain sight – High Resolution Magnetics



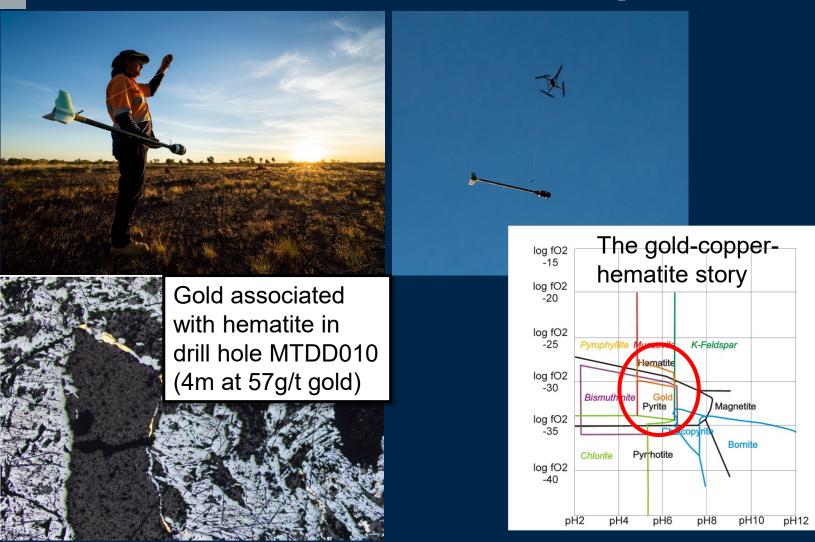


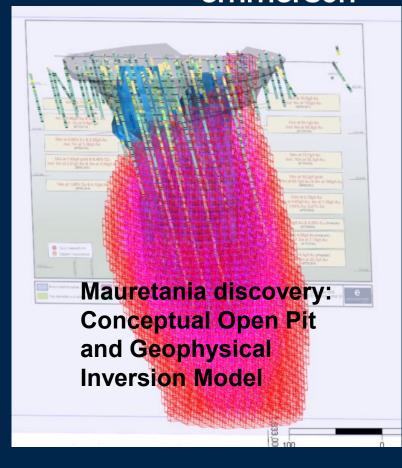
**Detection 2**: Drone magnetics = detecting the overlooked and underexplored

# **Detection 2:** Drone magnetics = detecting the overlooked and underexplored emmerson



# Refined Detection + Data processing...1+1 = 3 emmerson

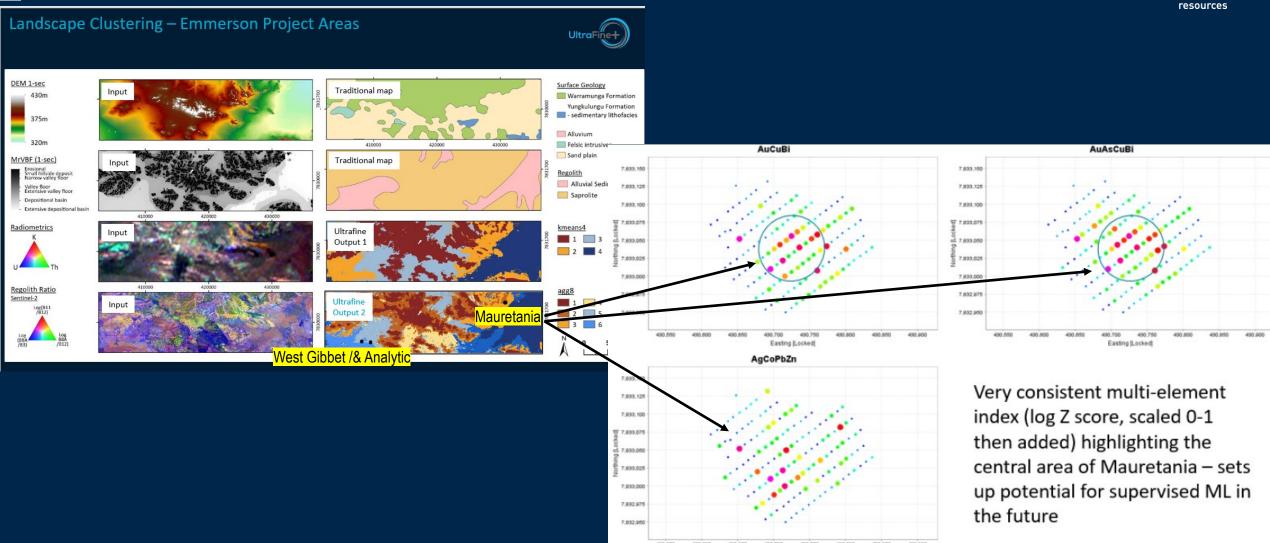




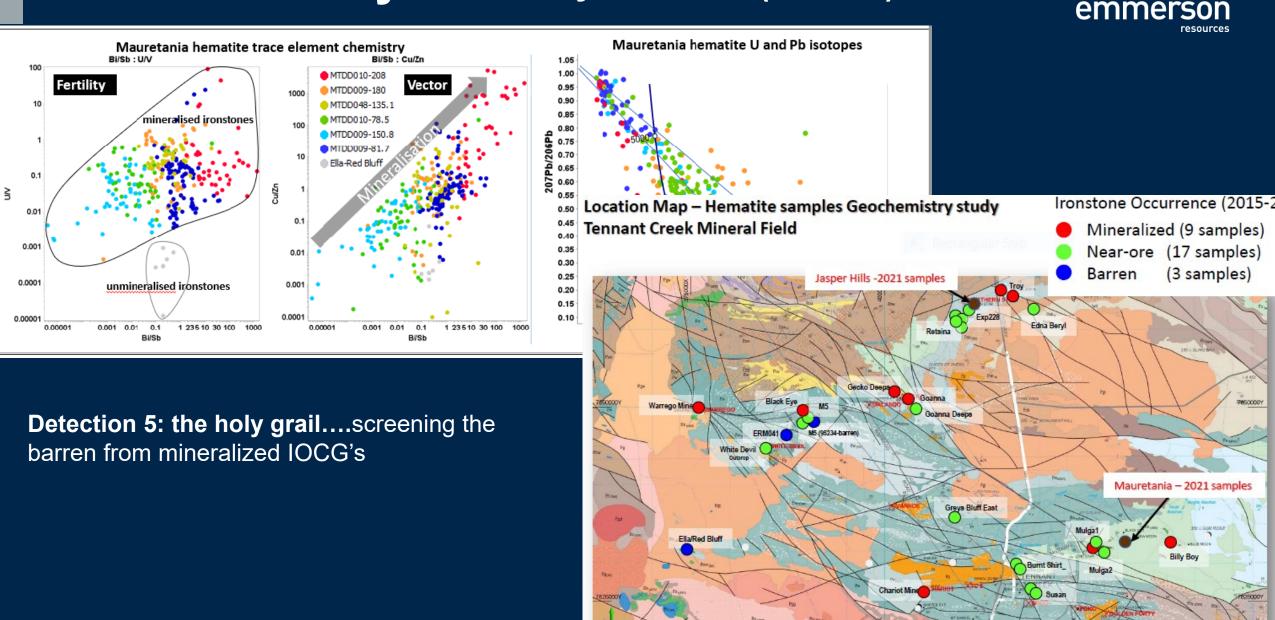
**Detection 3**: the cumulative effect of detection and discovery = leads to variations on the IOCG mineral system and their corresponding signature

### CSIRO Ultrafine.....





### Hematite Fertility - University Tasmania (CODES).....inhouse



### We are all in this together!





#### **Grade is King however:**

 Requires the confluence of a number of critical ingredients....know the limitations of both prediction and detection



#### **Unlock the Value from:**

- Positive stakeholder engagement
- Pre competitive data
- Research
- Inhouse knowledge plus data from over 80 years of exploration and mining in the TCMF



#### **Partnerships**

- Sticking to core competencies
- JV with the Traditional Owners....bringing all stakeholders on the journey



# New technology and ideas crucial to reinvigorating the TCMF...

- Cumulative effect ...no gold bullet!
- Low cost drone magnetics a possible game changer...
- Geochem + Fertility studies ongoing but showing promise



#### What is the companies DNA:

- Geological Intelligence (the people) not Artificial Intelligence
- Strong culture of applying new technology and ideas within a business framework



#### Systematic science and discovery takes time and \$\$

- Calibrate your bets
- No gold or silver bullets



### Competent person statement



The information in this report is based on information compiled by Dr Ana Liza Cuison, MAIG, MSEG. Dr Cuison is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which she is undertaking to qualify as a Competent Person as defined in the 2004 edition and the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Cuison is a full-time employee of the Company and consents to the inclusion in this report of the matters based on her information in the form and context in which it appears.

#### **Forward-Looking Statements**

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Emmerson Resources Limited's planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan", "expect," "intend," "may", "potential," "should," and similar expressions are forward-looking statements. Although Emmerson believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that further exploration will result in the estimation of a Mineral Resource.

#### **Regulatory Information**

The Company does not suggest that economic mineralisation is contained in the untested areas, the information contained relating to historical drilling records have been compiled, reviewed and verified as best as the Company was able. As outlined in this presentation the Company is planning further drilling programs to understand the geology, structure and potential of the untested areas. The Company cautions investors against using this announcement solely as a basis for investment decisions without regard for this disclaimer.

Authorised for release by the Managing Director, Mr Rob Bills