

# Tanami Region

## Unlocking the Discovery Potential

Annual General Meeting

2 November 2016

**Matt Briggs**  
Managing Director



ASX : ABU

[www.abmresources.com.au](http://www.abmresources.com.au)



# Important Information & Competent Person



## IMPORTANT INFORMATION

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## COMPETENT PERSONS STATEMENT

The information in this announcement and Appendix that relate to Hyperion Mineral Resource estimates is based on information reviewed by Mr Alwin van Roij who is a Member of The Australasian Institute of Mining and Metallurgy. Mr van Roij is a full time employee of ABM Resources NL and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves”. Mr van Roij consents to the inclusion in the documents of the matters based on this information in the form and context in which it appears.

The information in this announcement relating to exploration targets and exploration results are based on information reviewed and checked by Mr Matt Briggs who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Briggs is a full time employee of ABM Resources NL and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves”. Mr Briggs consents to the inclusion in the documents of the matters based on this information in the form and context in which it appears.

Refer to previous Company ASX announcements for full resource estimation details, drill hole details, and intercept calculations.

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## ABM is well positioned with a clear strategy to unlock the discovery potential

- Large contiguous tenure over under-explored gold district
  - Over 13,000km<sup>2</sup> of granted tenure
  - Over 24,000km<sup>2</sup> application tenure
  - Located in belts containing major gold deposits e.g. Callie (Newmont) and Groundrush (Northern Star/Tanami Gold)
- A team with a demonstrated track record of discovery
  - Either led or was part of a team on several major gold discoveries
  - Well experienced at operating in the Tanami region
  - Overhead costs kept low meaning the majority of funds are focused on in-ground activity
  - Progress rapidly to drill testing using a predictive approach based on structural geology and multi-element geochemistry
- Well funded with strong investor support
  - ~\$6.3 million cash excluding A\$4.3m cash reserved for required cash backing of environmental bonds and A\$0.8m R&D tax refund
  - 46% of the company's shares held by top four investors
- Focus exploration on the Suplejack and Tanami projects
  - Extend and delineate mineralisation at the Suplejack project
  - Systematically explore and drill test targets at the Tanami project
- Independence Group NL is systematically exploring the Lake Mackay project as part of its 70%<sup>1</sup> JV earn-in
- Divest or farm-out the Bonanza and North Arunta projects

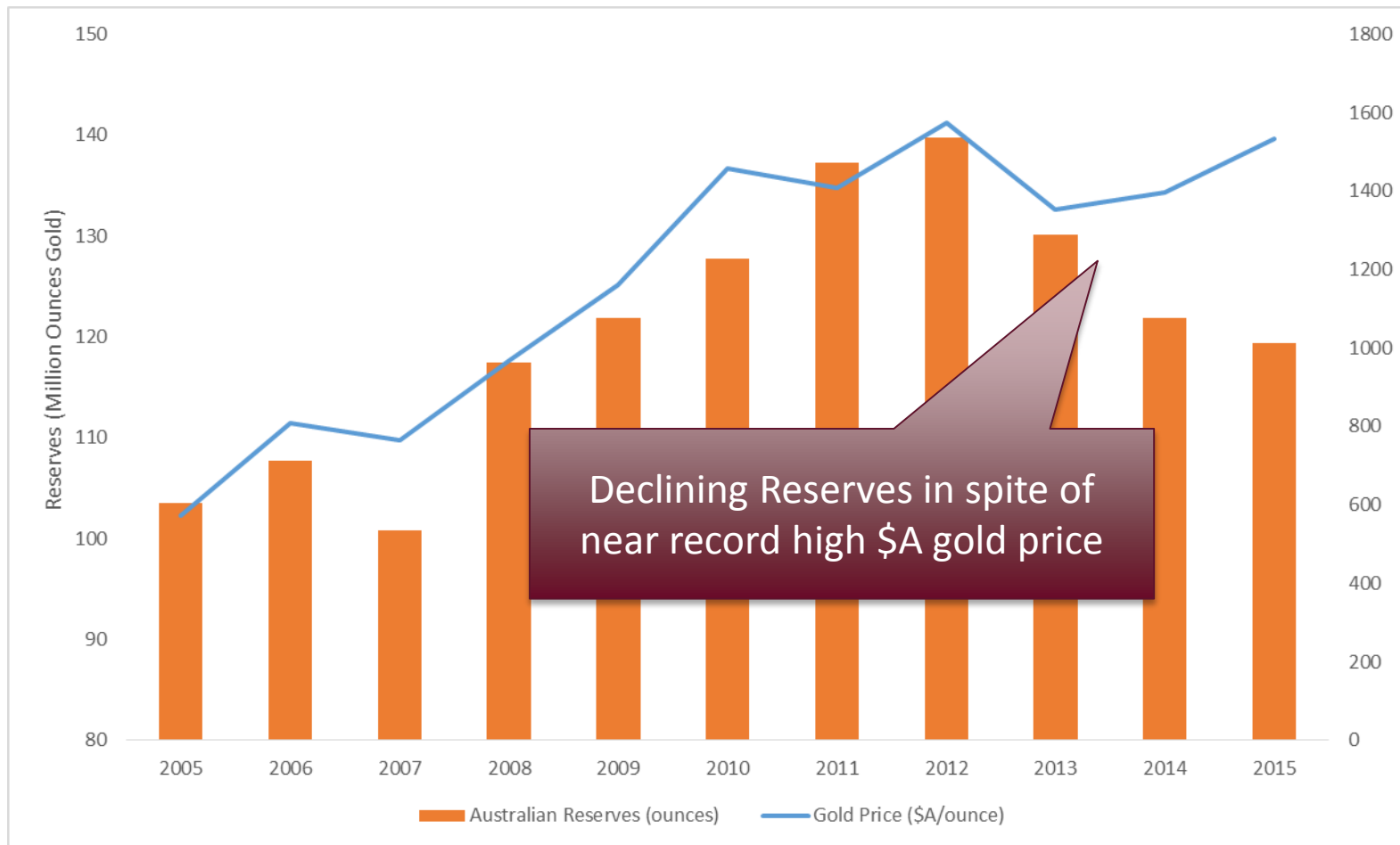
<sup>1</sup> Independence will earn a 70% interest in Lake Mackay project by sole funding \$6 million in exploration expenditure by May 2020



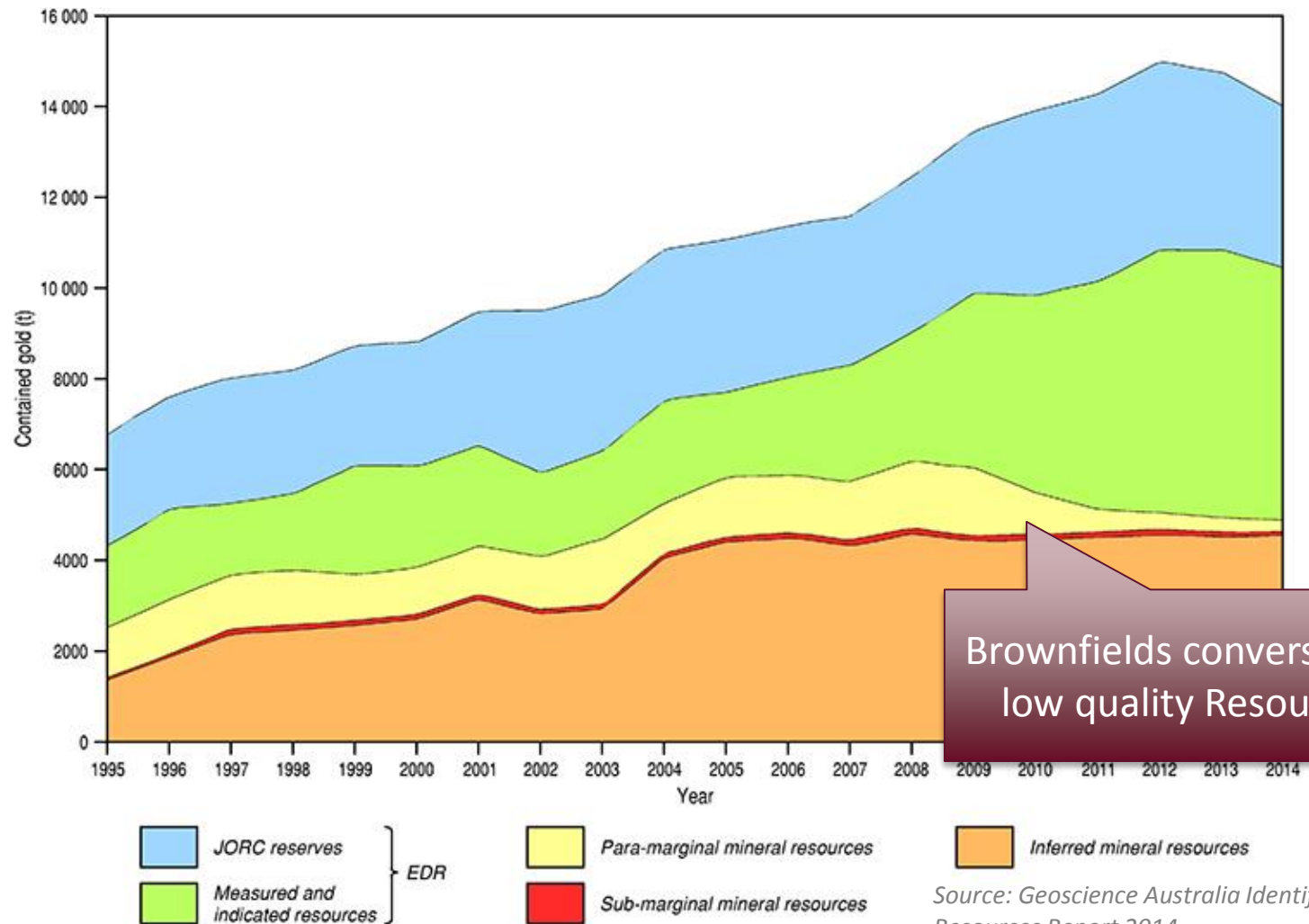
- Gold Exploration
- Why ABM?
- Strategy
- Current Projects
- Financials



*Supplejack Prospect, Suess Fault Breccia outcrop*



Source: Geoscience Australia Identified Mineral Resources Report 2014/2015 and company reports



Source: Geoscience Australia Identified Mineral Resources Report 2014

Declining quality of brownfields exploration

# Globally Reserves are declining rapidly



Source: "Can the Gold Industry Avoid the Sins of the Past" by Nick Holland CEO Gold Fields  
22 August 2016

- Aggressive acquisition of in-production ounces to fill the looming production shortfall
  - Fewer quality opportunities available after a 3-year buying spree
  - In-production ounces are becoming increasingly costly (US\$84/oz<sup>1</sup> resource or US\$289/oz<sup>1</sup> reserve)
- Major and mid-tier gold producers are returning to green fields exploration
  - Investing in junior explorers
  - Directly through JVs and project acquisition

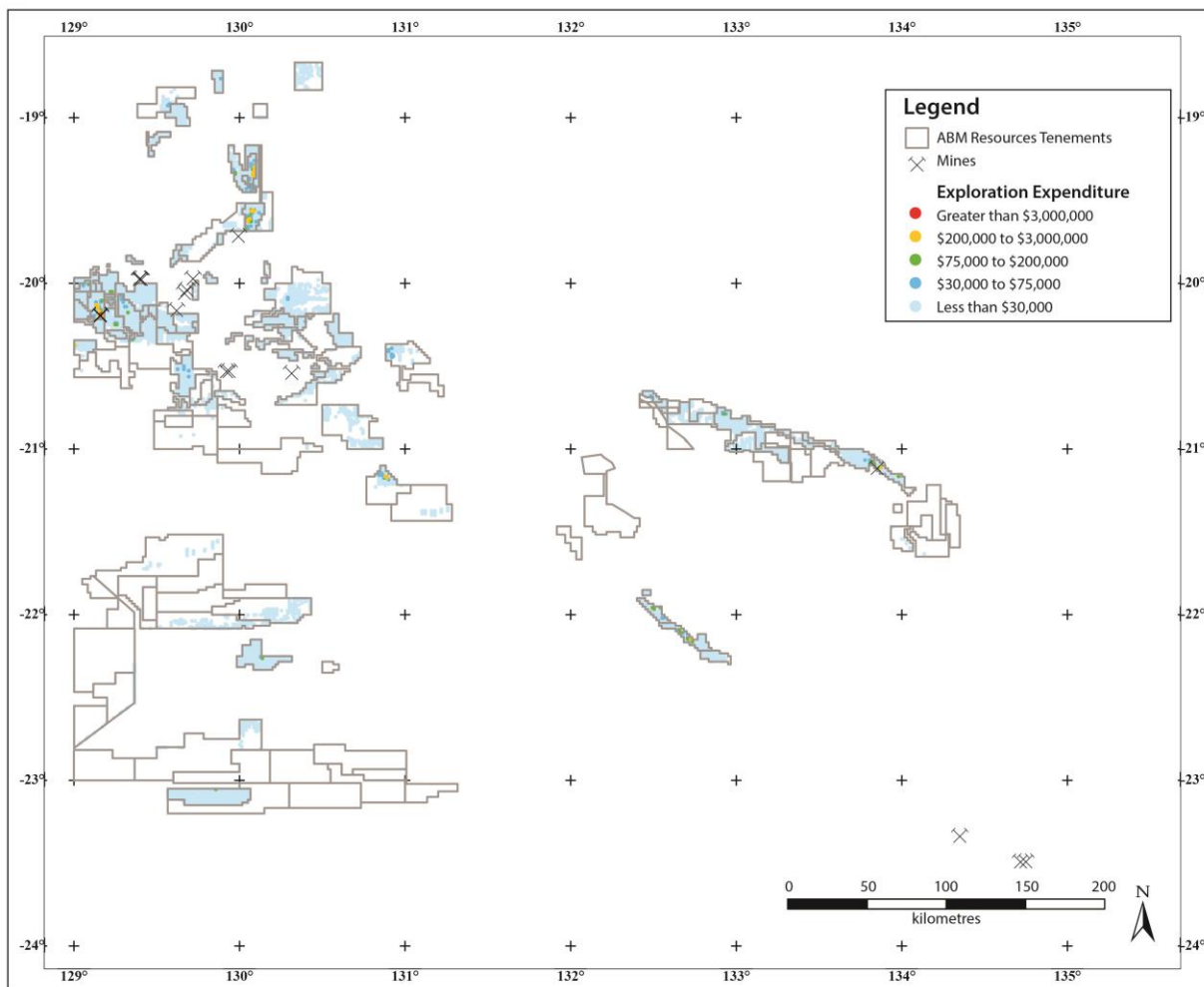
<sup>1</sup> Average of 15 transactions since June 2011 – source Standard Chartered Bank

The industry needs new high quality deposits



# Underexplored by all definitions

## Previous expenditure on drilling and assaying per km<sup>2</sup> in 2016 dollars



Generally after expenditure of \$30k per km<sup>2</sup> the majority of significant shallow deposits are recognised

### Eastern Yilgarn

Average exploration spend is \$72k\* per km<sup>2</sup>

### ABM's Tanami Tenements

Less than 0.5% of area has historic spend of \$30k\* per km<sup>2</sup>

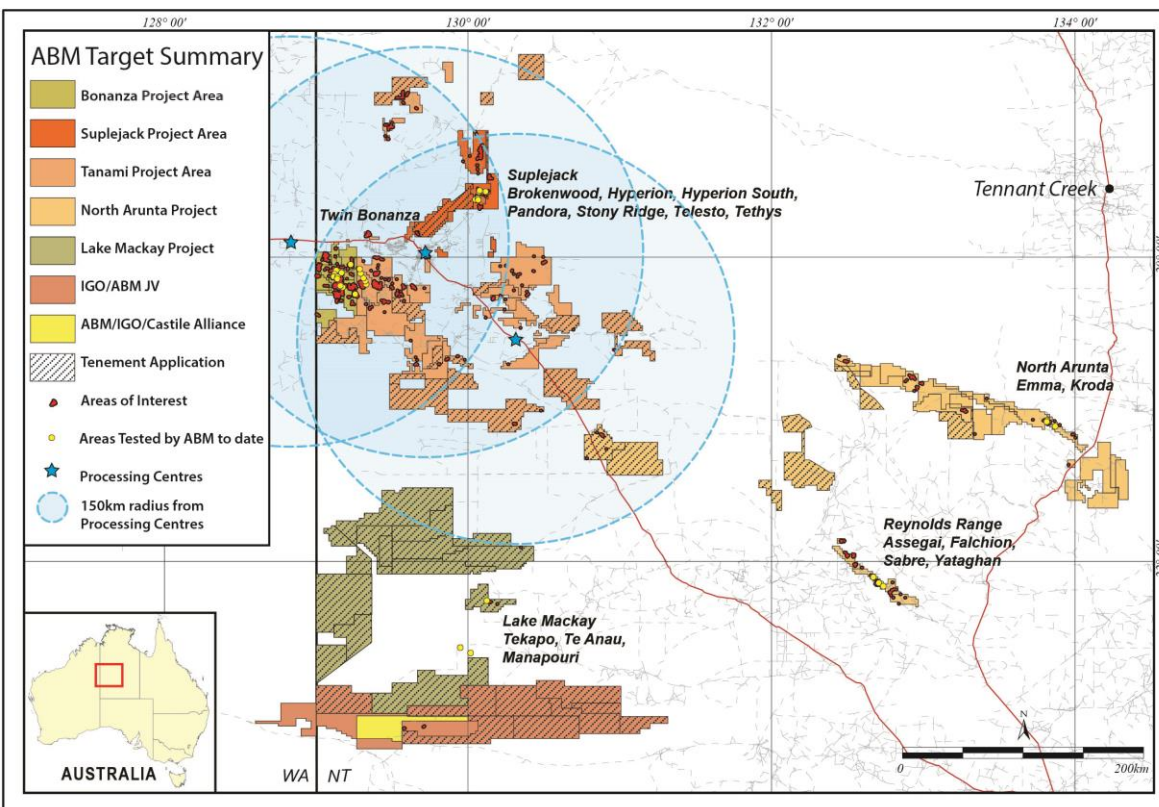
78%<sup>§</sup> of tenement area does not have a single RC or DD hole

\* 2016 dollars calculated from lease expenditure reported within greenstone areas

§78% of ABM Tenements by area



# A Portfolio of Targets

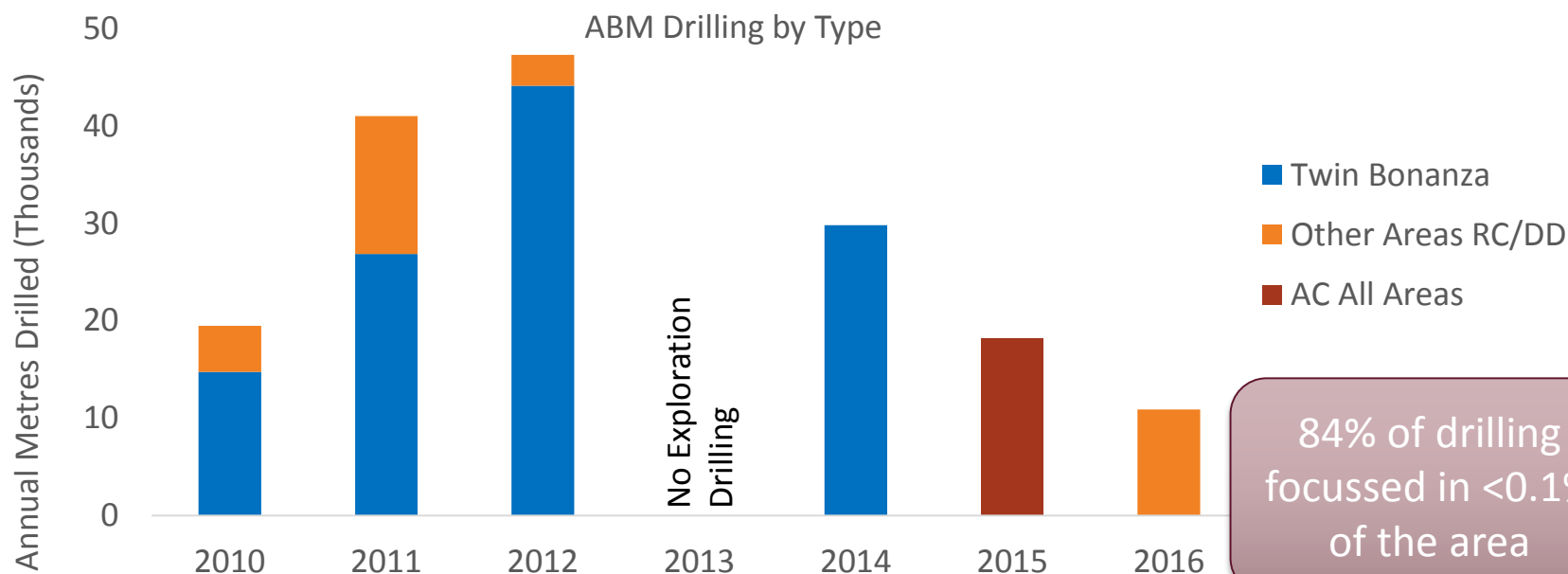


ABM's Tenements and applications as at October 2016

- Since 2009 ABM geologists have generated 306 targets
- Outside of Twin Bonanza, 12 of these have been drill tested
- The focus on mining delayed the discovery of the next Callie(s)
- Partnering can bring forward discovery
- Suplejack and Tanami areas are within 150km of existing processing infrastructure at The Granites, Callie, Central Tanami and Coyote

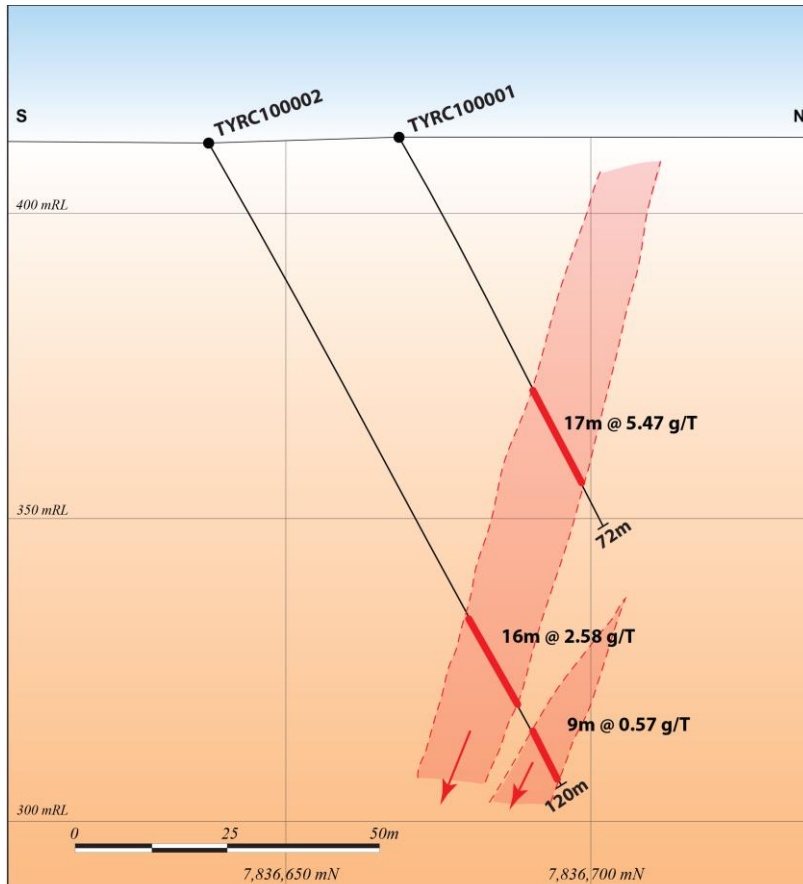
Exploration Potential Remains Untested

# Mining Focussed History



Project	Area (km <sup>2</sup> )	RC/DD Drilling ('000m)	Proportion of Total RC/DD metres
Twin Bonanza		117	73%
Bonanza - other		17	11%
Twin Bonanza Total	13	134	84%
Outside Twin Bonanza	36,100	26	16%

# The Exploration Opportunity



Cross section through the Tethys Prospect

ABM has everything an exploration company needs and the mid-tiers and majors want

- Large contiguous tenure over under-explored gold district
- Located in belts containing major gold deposits e.g. Callie >6.5Moz (Newmont) and Groundrush (Northern Star)
- Portfolio of quality targets and encouraging exploration results
- Supportive shareholders
- Motivated JV partner
- Experienced exploration management



**Mr Tommy McKeith BSc Hons (Geol), GDE (Mining), MBA, Fellow AusIMM**  
**Non-Executive Chairman**

Status: Independent

Mr Tommy McKeith is a resource company executive with 27 years' experience in various exploration, business development, mine geology and executive leadership roles. He has led exploration teams to several significant discoveries and concluded several significant business development transactions. Mr McKeith was formerly Executive Vice President: Growth and International Projects for Gold Fields Ltd, where he was responsible for global exploration and project development. He has also served as CEO of Troy Resources Ltd and held non-executive director roles at Sino Gold Ltd and Avoca Resources. He is currently a non-executive director of Evolution Mining Ltd and principal in various private resource investment companies.



**Mr Matt Briggs BSc Hons (Geology), Member AusIMM**  
**Managing Director**

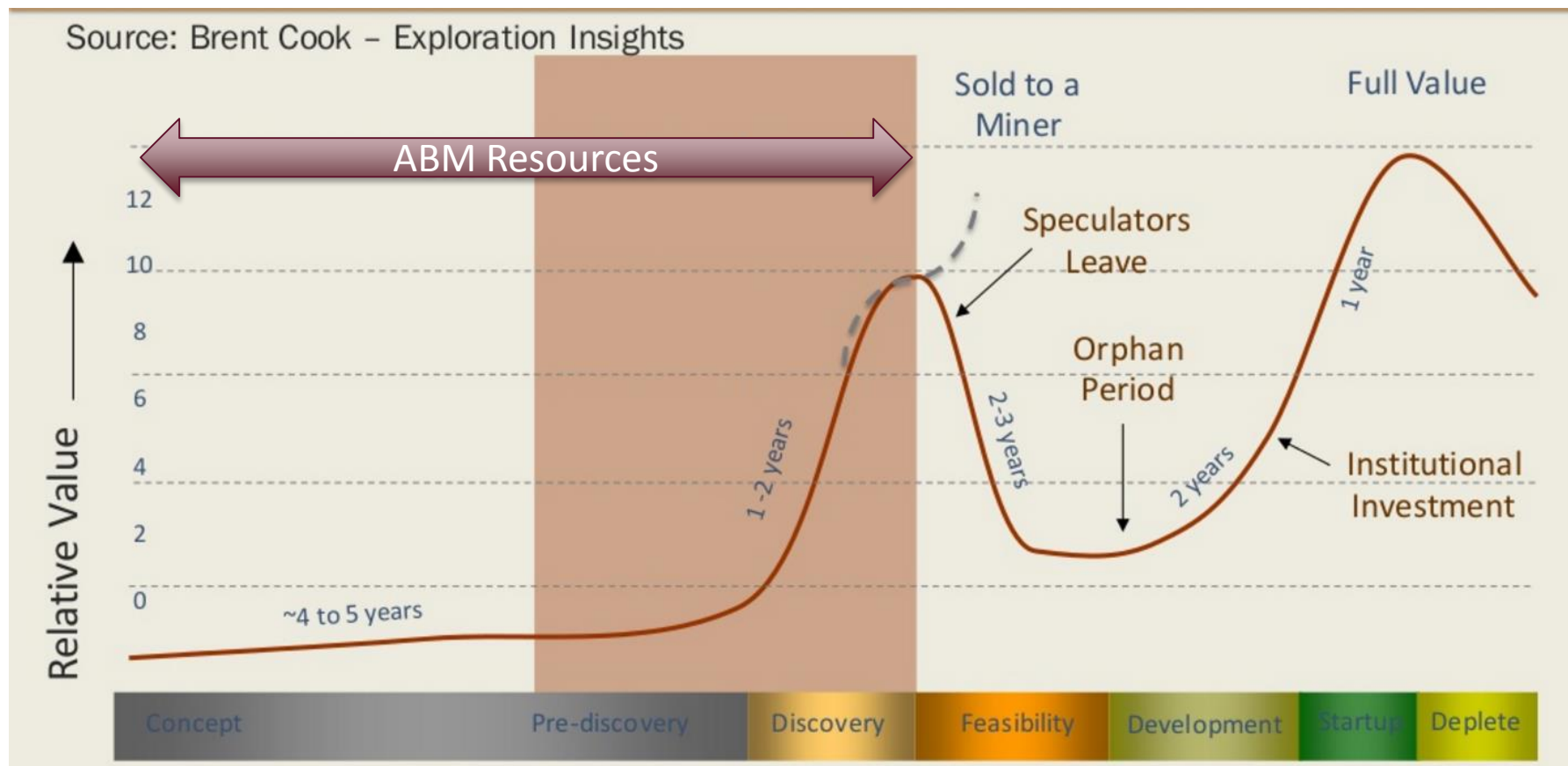
Status: Not Independent

Matt Briggs has 20 years' experience in Australia and internationally in various aspects of mine geology, exploration, project management and strategic leadership in the gold industry. Matt graduated as a geologist from the University of Queensland and worked at a number of mine sites in Western Australia. Since then he has worked internationally on projects in Africa and most recently headed Group Strategic Planning for Gold Fields Limited. Matt has been directly involved or managed teams that have discovered several multi-million ounce gold deposits.

**Successful explorers and know what it takes to make a mine**



# Exploration Strategy



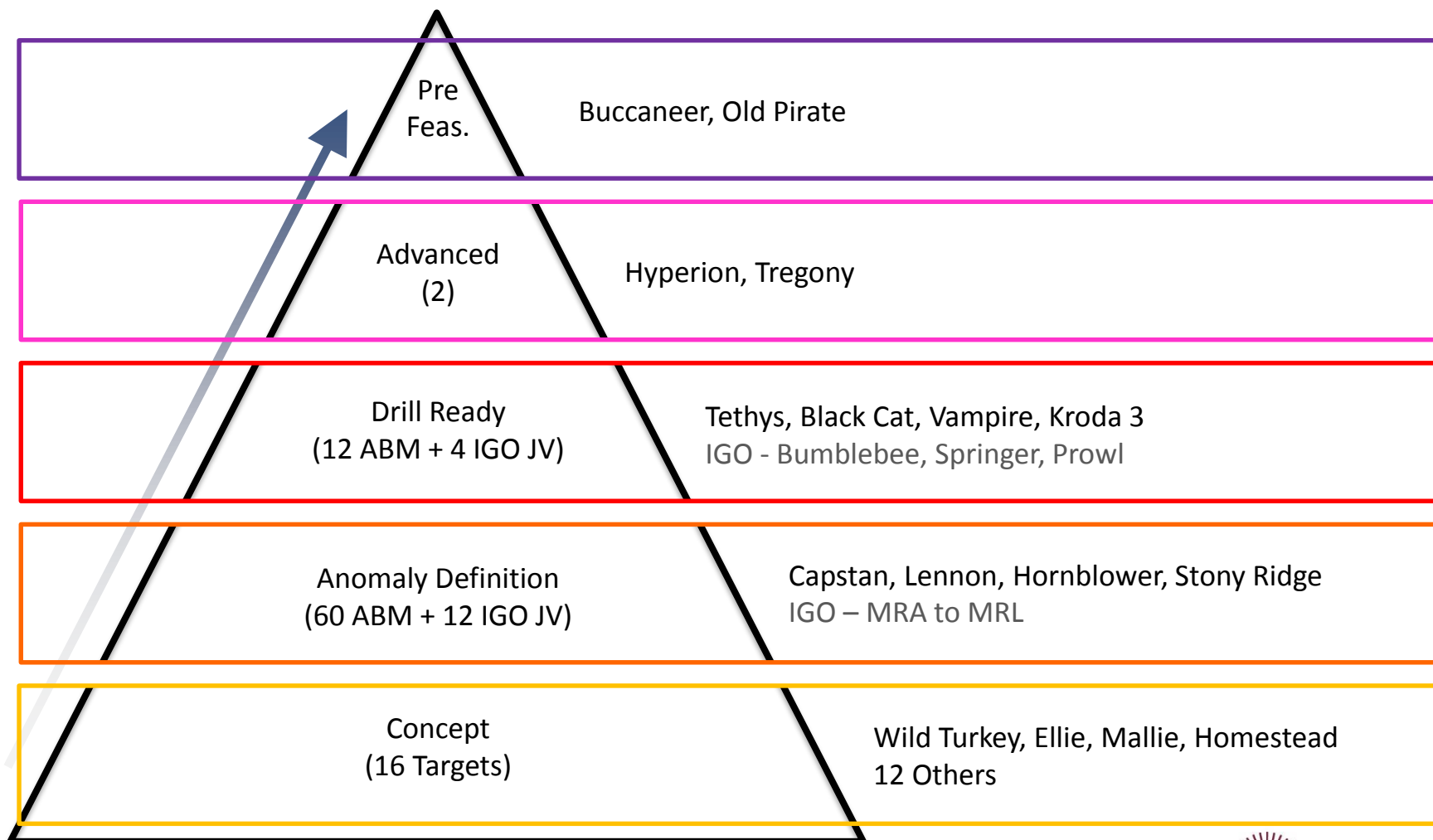
**Discovery to Prefeasibility = Greatest Return to Shareholders**



- Start with industry standard practice
- Systematic work plan prioritising large scale targets (>1Moz)
- Review data critical for predictive targeting
  - Field mapping
  - Geochemistry
  - Alteration mapping
  - Geophysics
  - Structural Interpretation
- Prospectivity analysis to drive data acquisition
- Ranking of Prospects
  - Geological parameters
  - Strength of anomalism
  - Cost to progress
- Success criteria
- Decide funding path
- Drill, Drill, Drill

# Exploration Strategy

## Classify and Rank by Exploration Stage

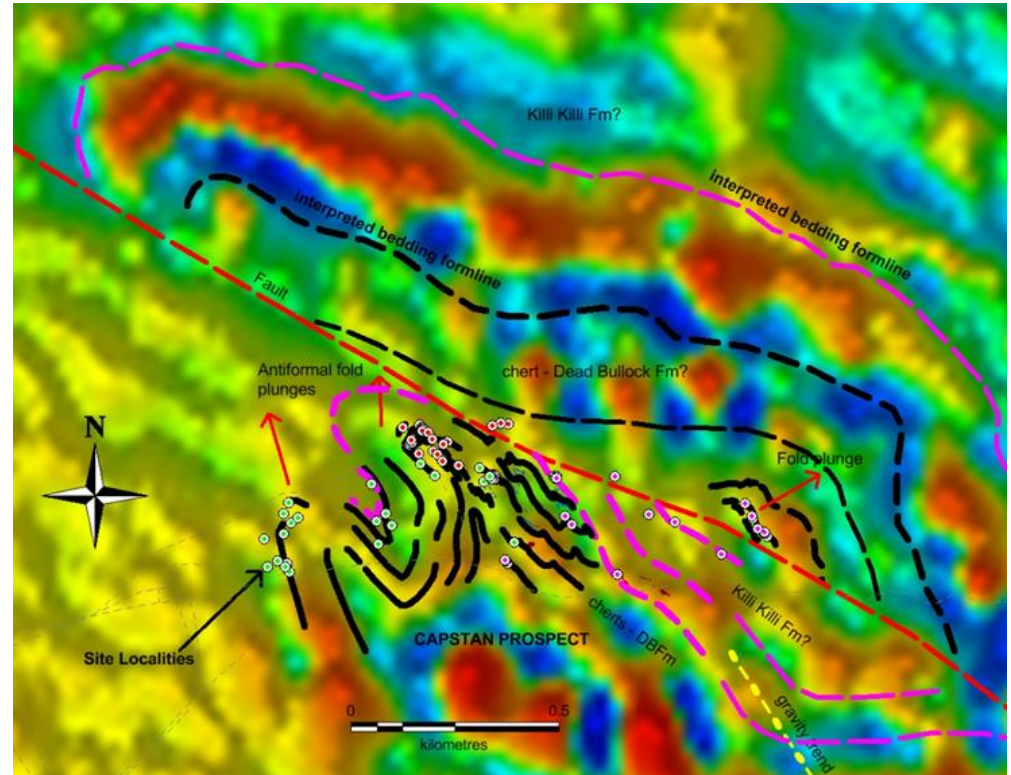


**Identify and prioritise high quality targets**



# Findability Challenges

- Cover (sand/basalt)
- Effectiveness of Geophysics
- Geological understanding of the area
- Logistics and cost of testing
- Complexity of mineralisation
- Time & holding cost



*Interpretation of RTP 1VD magnetics at the Capstan Prospect*



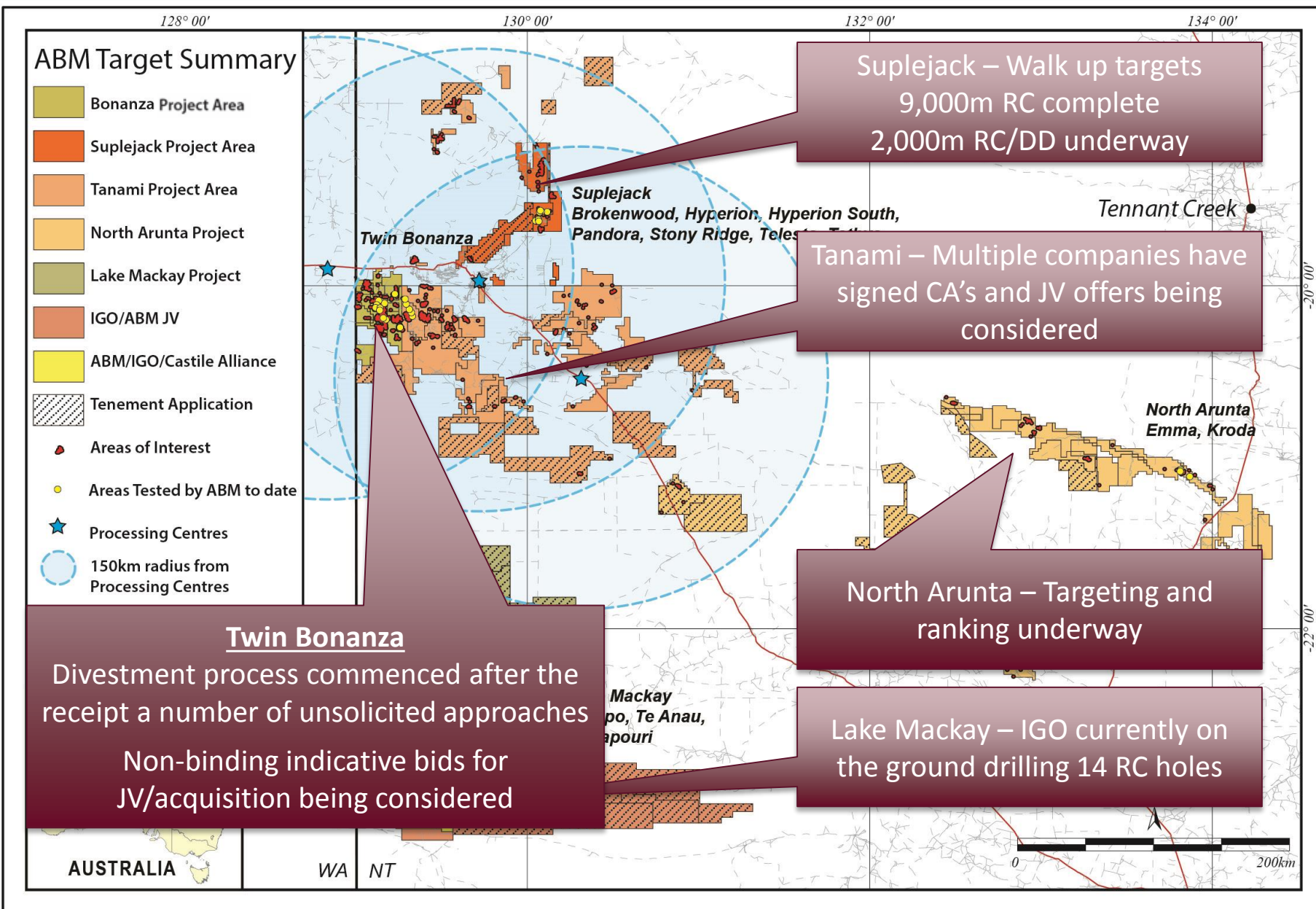
- Scale of tenements and cost is too large to fund independently
  - An increasing proportion of funds are required to maintain holding
- ABM to focus on stand alone (world class) opportunities to deliver value to shareholders
- Partner prospective early stage areas to expedite success (eg Lake Mackay)
- Partner/divest targets that are not of a scale to be standalone deposits (eg Twin Bonanza)
- Partnering brings technical and financial support and accelerates target testing



*Suplejack Prospect – Suess Fault Breccia*

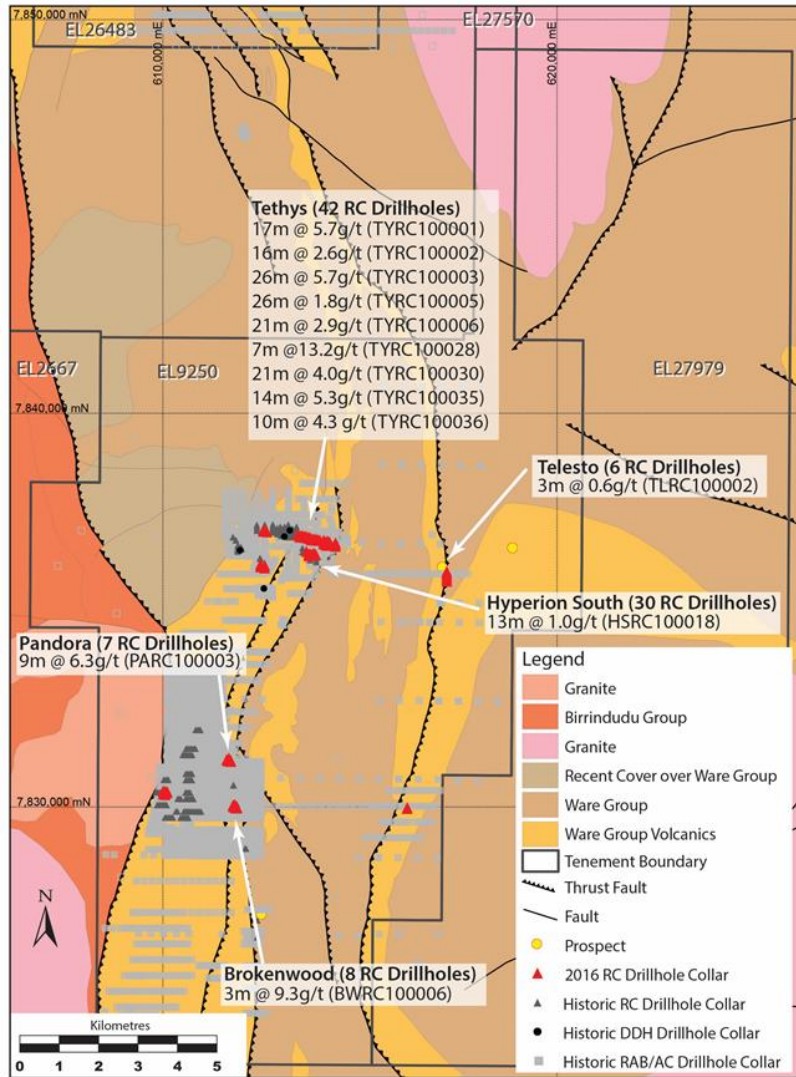
**Partnering is an effective way of expediting discovery**

# Implementing the Strategy





# Suplejack project: an emerging camp-scale target

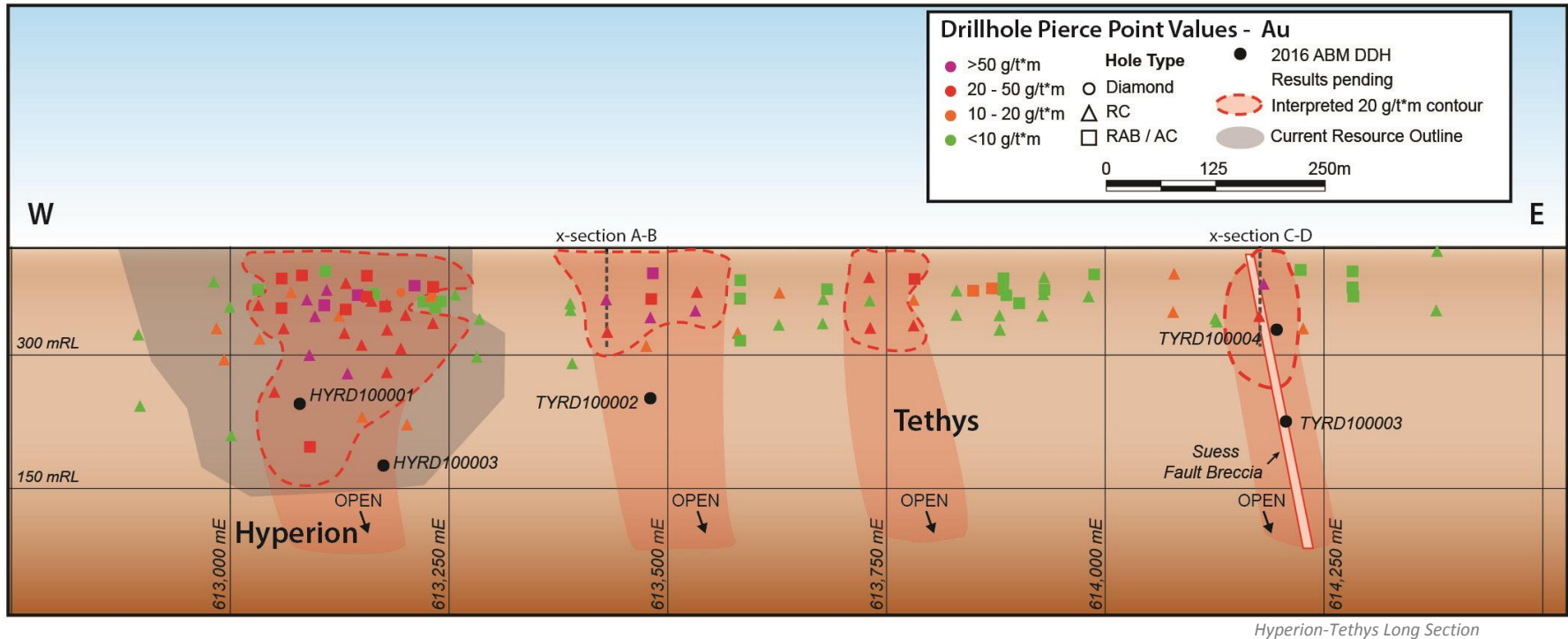


- Over 60 km north trending structural trend
  - Comprising mafics and interbedded sediments
  - Significant gold anomalism located at cross-cutting structures
  - 1.6 Moz Groundrush deposit immediately to the south
- Historic data has highlighted numerous gold targets
  - Airborne geophysics
  - Surface geochemistry
  - Shallow drilling
- Hyperion deposit drill tested by Newmont in 2003
  - Less than 9,000 metre RC drilling to an average depth of ~150 m
  - ABM resource 3.0 Mt at 2.11 g/t for 202,200 oz (c/o 0.8 g/t)<sup>1</sup>.
- ABM completed a ~9,500 metre RC drilling program this season
  - Defined ~1,300 metres E-W mineralised structure
  - Average depth of drilling ~80 metres below surface
  - Significant additional drill intercepts at Pandora (9 m at 6.32 g/t) and Brokenwood (3 m at 9.34 g/t)
- ABM is currently drilling a 2,000 metre diamond drill program
  - New structure identified (Suess Fault)
- Drilling results out this in the December quarter
- Updated Resource in Q1 2017

Hyperion Project - 2016 Selected Drilling Intercept Results

<sup>1</sup> Refer press release 5th February 2013 and 16th April 2012 for details; Re-reported in 2013/14, 2014/15, and 2015/16 annual reports to be compliant with JORC 2012.

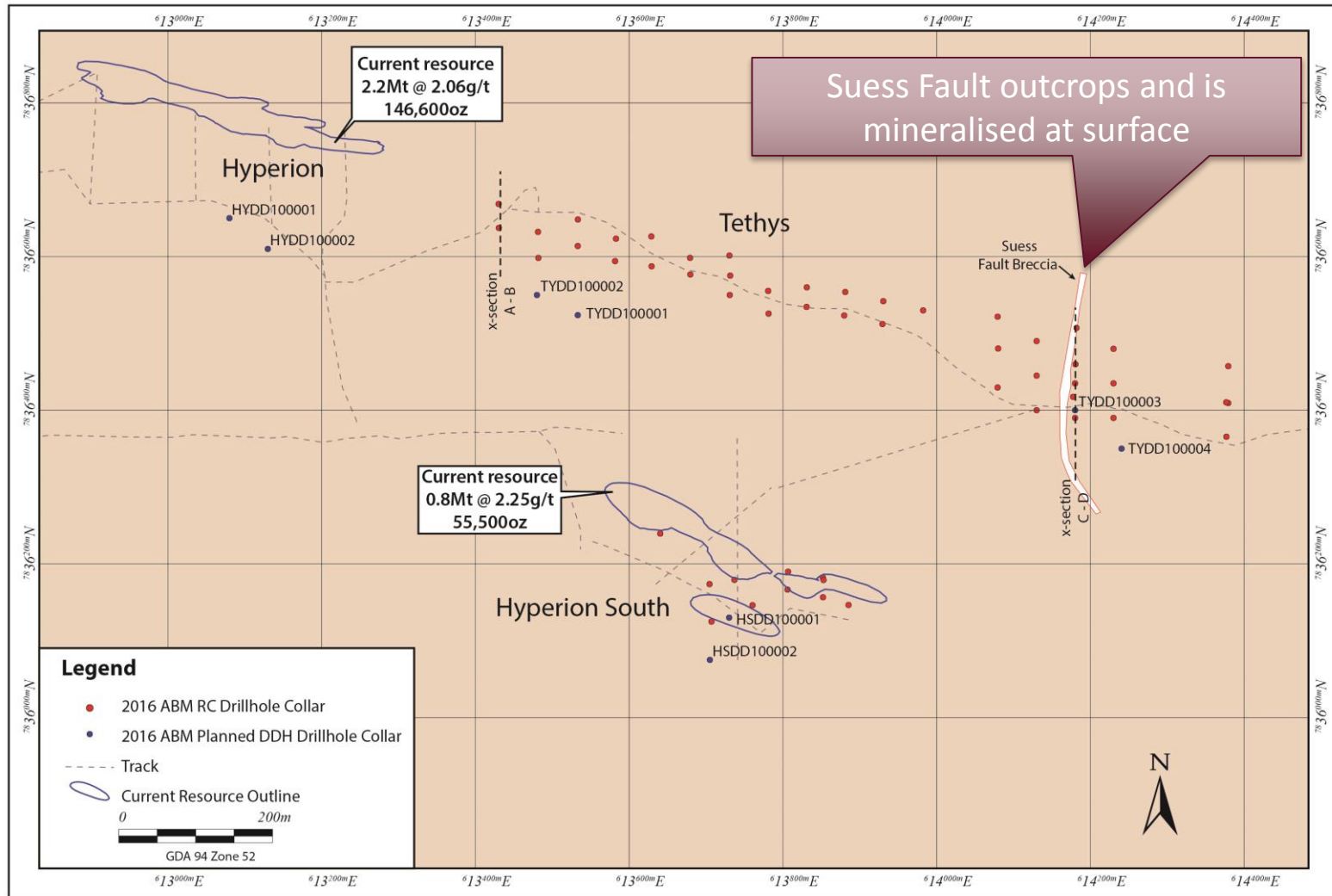
# Suplejack Prospect: extending mineralisation for over 1.3 km



- Significant mineralisation over 1.3 km strike drilled to an average depth of 80 m below surface
  - Defined three additional economic grade shoots to the east of Hyperion
  - Wide intercepts within strong alteration halo (haematite, epidote-chlorite and silicification)
- Mineralisation is open at depth
  - Framework diamond drilling program underway – to confirm model and extend Resources
  - Further infill and extensional drilling to extend current resources will follow



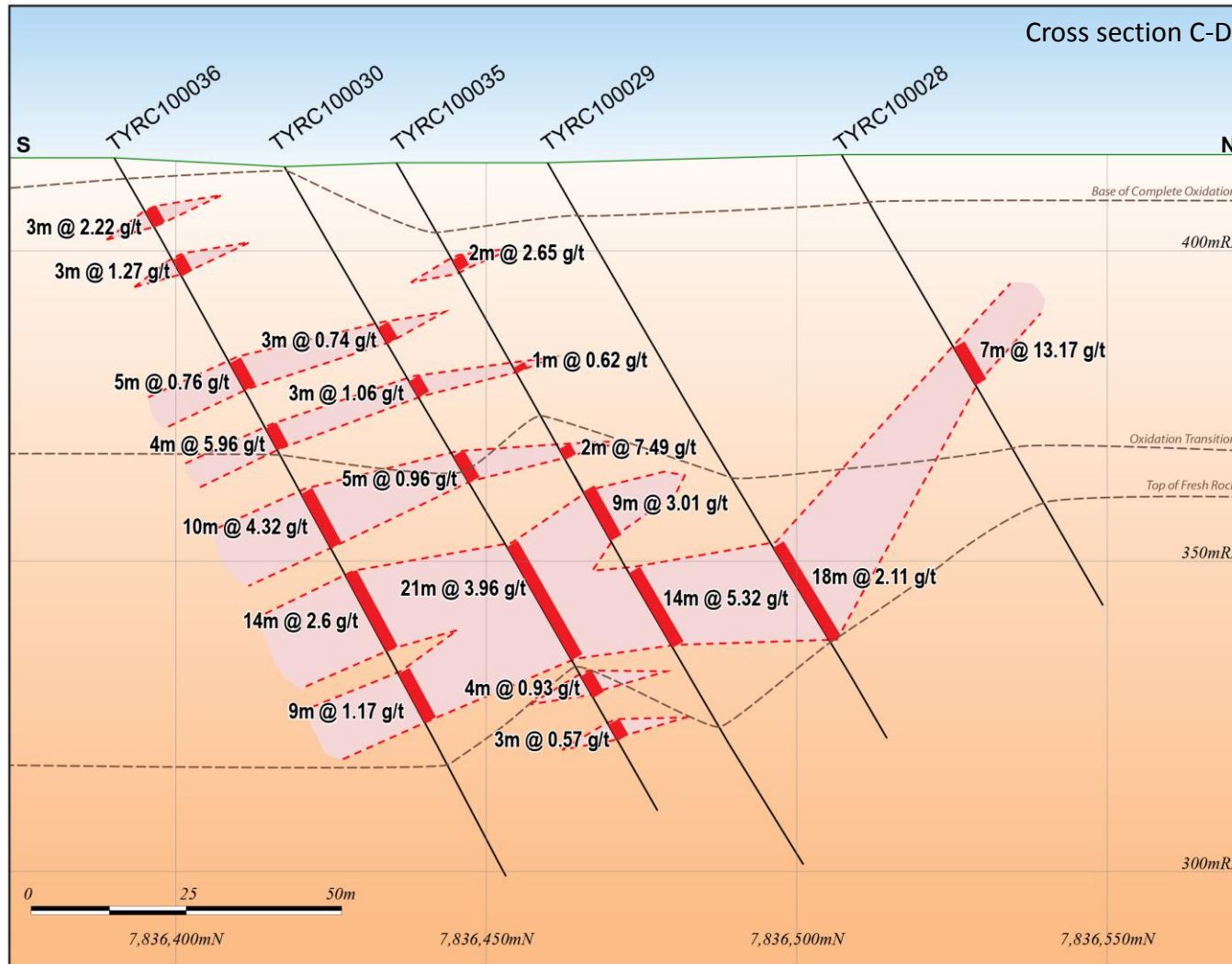
# Suplejack project: Hyperion drilling



Hyperion-Tethys H2 2016 drill collar plan

## Hyperion-Tethys extended to 1.3km strike length

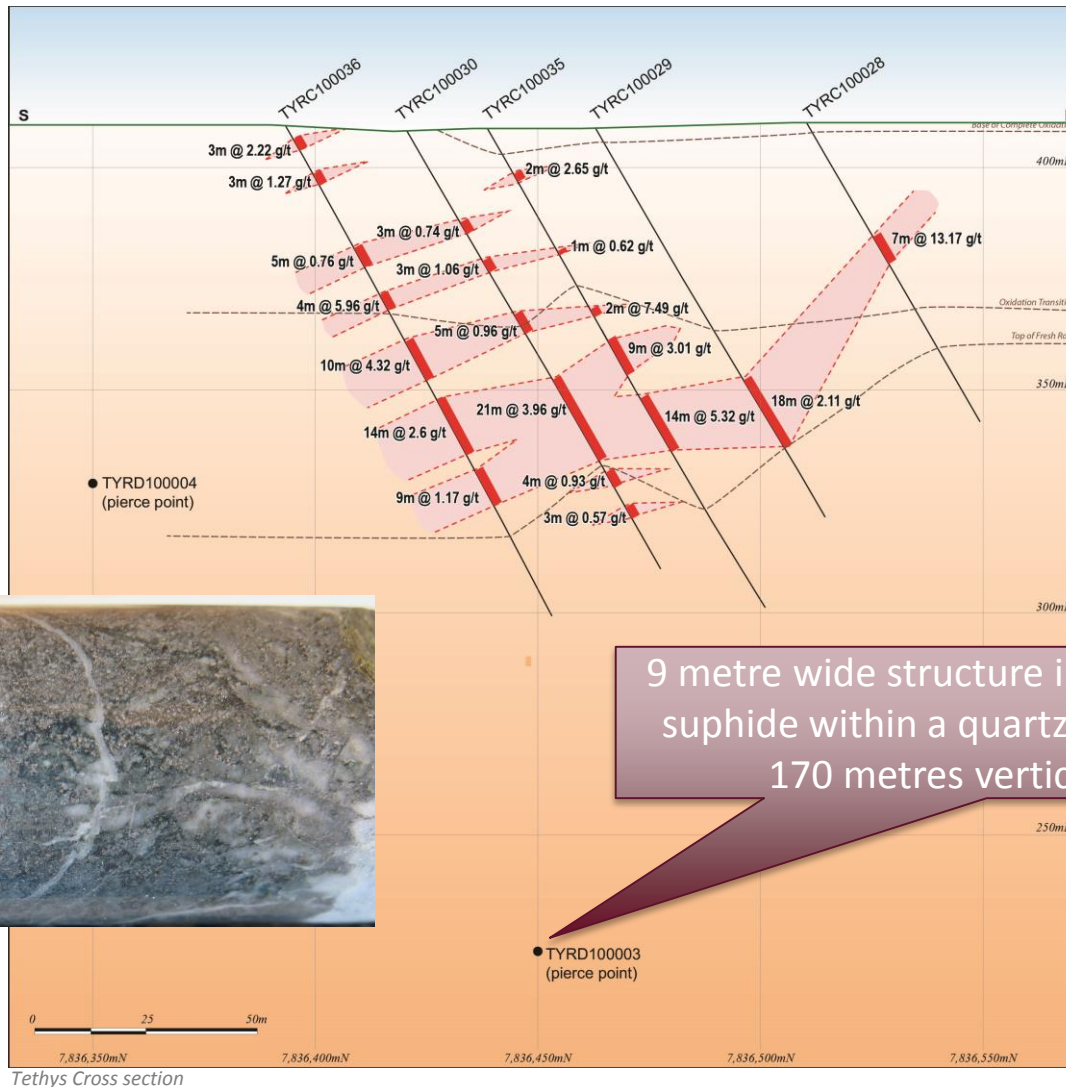
# Before Suess drilling



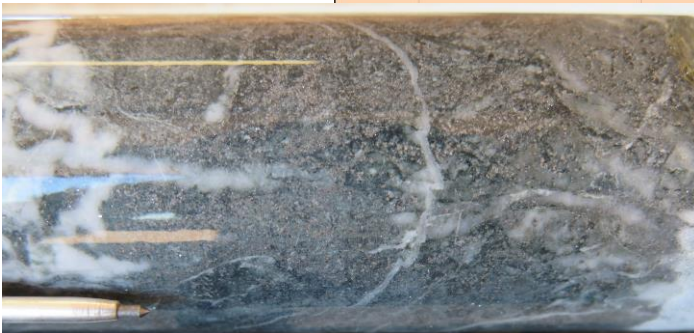
Tethys Cross section

Wide – Good Grade - Shallow

# Suess Extension



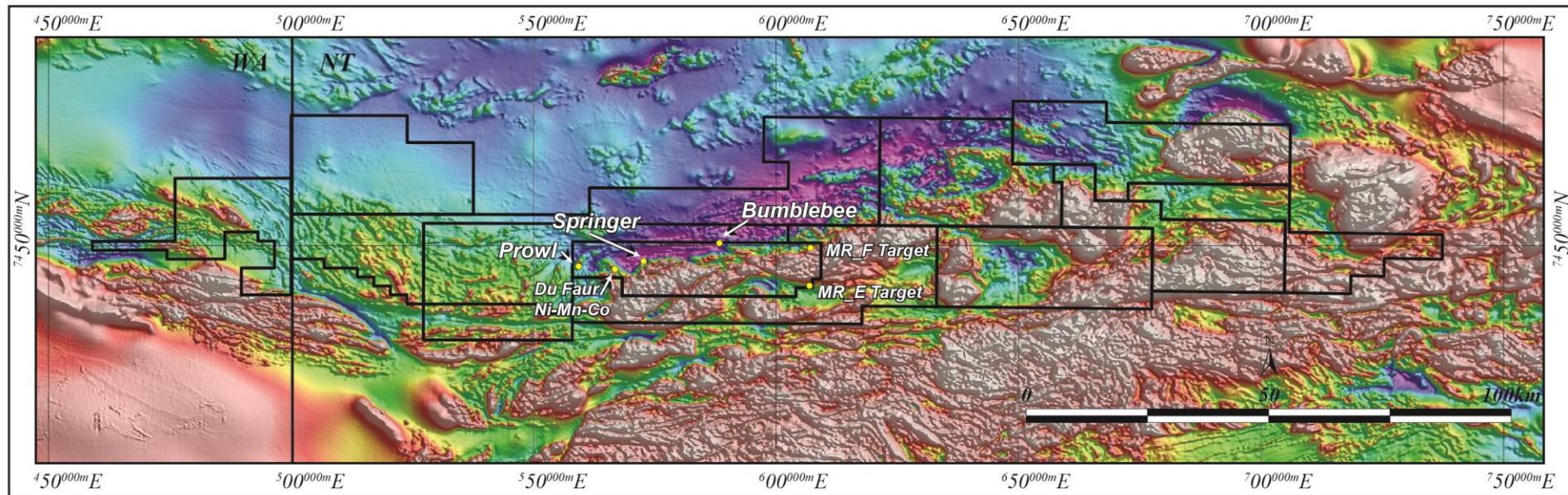
9 metre wide structure intersected with 20-50% sulphide within a quartz breccia approximately 170 metres vertical below surface



Interpretation of the Suess Fault confirmed by diamond core



# Lake Mackay project: gold and base metal exploration

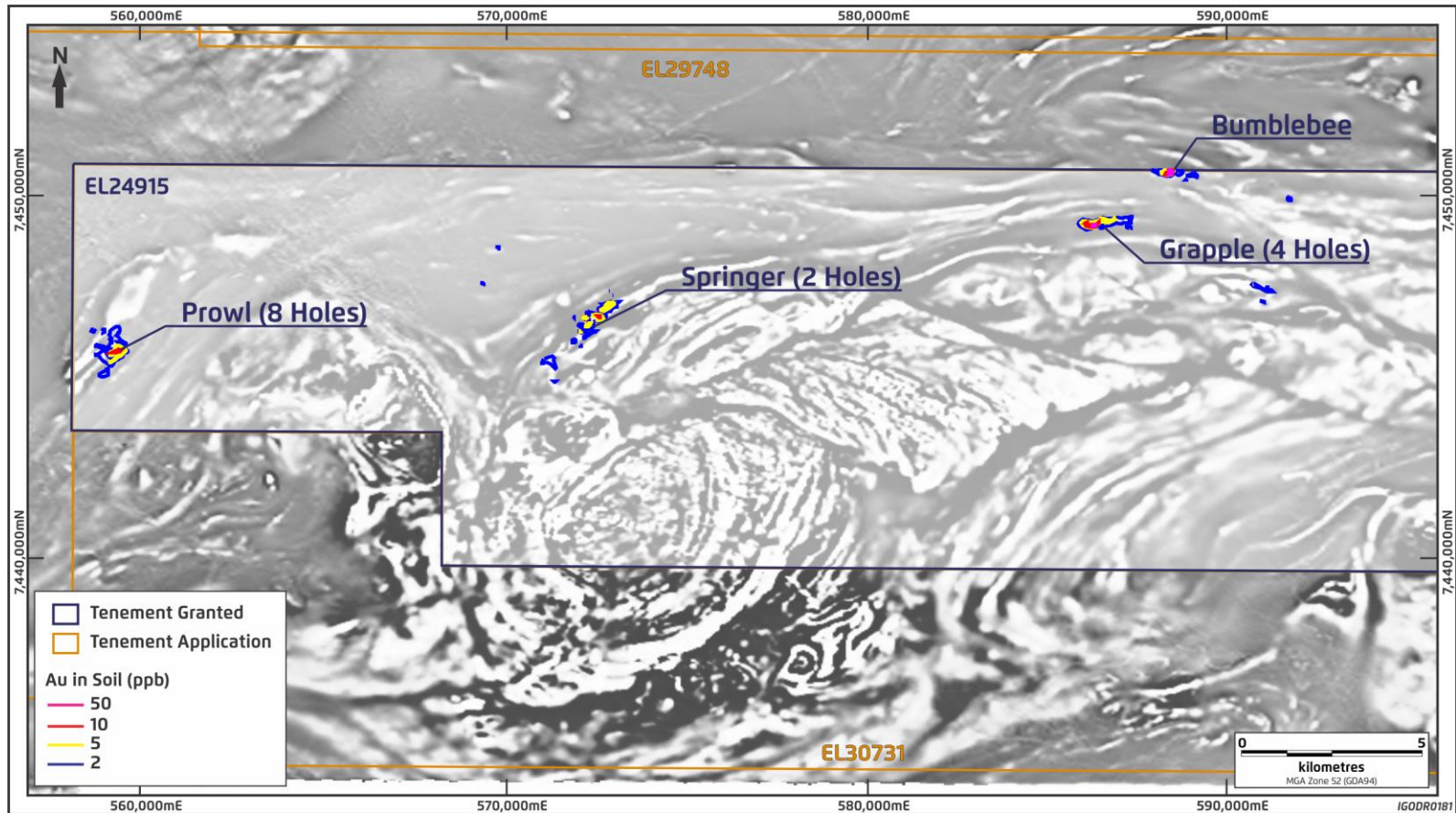


Lake Mackay subset area magnetics and tenement outlines

- Independence Group NL are exploring the Lake Mackay project
- Seen as a belt scale opportunity with the potential to host gold and base metal deposits
- Independence to fund \$6 million by May 2020 to earn 70%
- Completed extensive multi-element soil sampling program
- Ground electromagnetic survey and initial drilling at Bumblebee identified a mineralised portion of a potential VMS system
  - 7 m at 3.3g/t gold, 37.7g/t silver, 3.2% copper, 0.9% lead, 1.3% zinc and 0.08% cobalt
- Based on this initial success Independence undertook a detailed airborne electromagnetic survey over the whole district

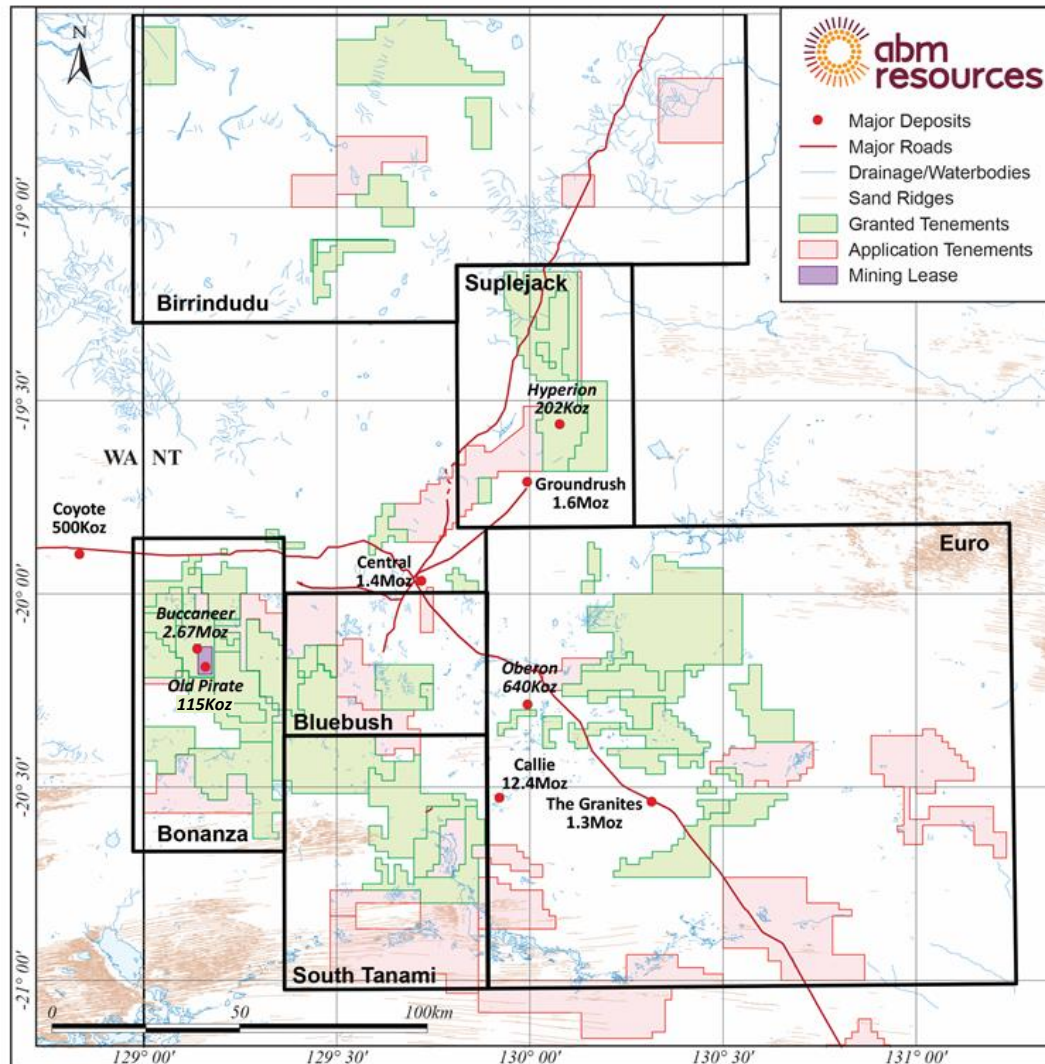


# Lake Mackay project: gold and base metal exploration



Lake Mackay regional magnetics, soil anomalism and prospect locations

- Initial soil, aircore and MLEM “encouraging”
- 14 hole RC program underway testing 3 targets
- Aiming to identify the source of surface anomalism and EM responses
- Results of the RC program are expected in December
- Work to date has commenced testing of only 7% of the total package



Tanami districts and deposit (Resources + production) map

## Suplejack

- Diamond drilling program nearing completion
- Assay results expected in December
- Resource Model update Q1 2017

## Bonanza

- Process to be completed in December

## Rest of Field

- Complete a strategic review of all project areas and targets
- Starting review with Suplejack, Bluebush and Tanami areas
- Generate work programs to progress high rank targets to the next stage
- Compile into revised budget and 3 year plan
- Present to the Board in Q1 2017
- Continue field activities where possible during the wet season
- **Commence drilling as soon after the wet season as possible**

# Corporate Overview



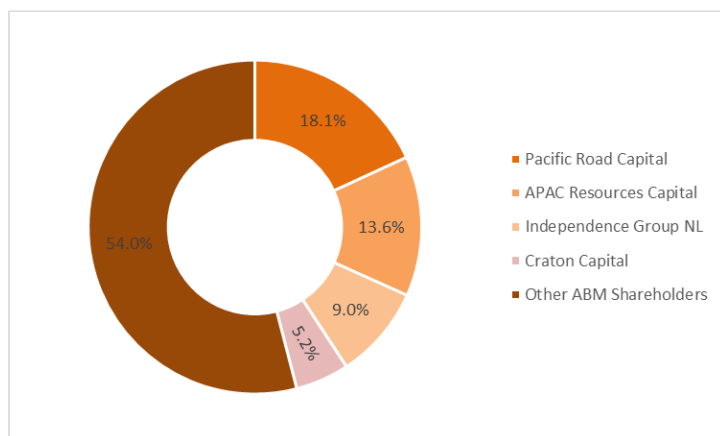
## Capital Structure

Shares on Issue (m)	373.6
Available Cash (A\$m) <sup>1</sup>	6.3
Market Cap (A\$m) <sup>2</sup>	29.1

## Board of Directors

Tommy McKeith	Non-Executive Chairman	Appointed 27/06/16
Matt Briggs	Managing Director	Commenced 3/10/16
Susie Corlett	Non-Executive Director	Appointed 8/3/16
Brett Smith	Non-Executive Director	Appointed 9/5/16

## Shareholding Structure<sup>3</sup>



<sup>1</sup> Available cash excludes A\$4.3m cash reserved for required cash backing of environmental bonds and A\$0.8m R&D tax refund as at 30 September 2016

<sup>2</sup> Based on closing share price of \$0.078 as at 1 November 2016

<sup>3</sup> Substantial shareholders as at 30 September 2016

## Key Management

Matt Briggs	Managing Director
Jutta Zimmermann	CFO and Company Secretary
Alwin van Roij	Senior Exploration Geologist





# Appendices

## Board

<b>Tommy McKeith</b> <b>(Independent Non-Executive Chairman)</b>	<ul style="list-style-type: none"> <li>• Geologist, BSc Hons (Geol), GDE (Mining), MBA, Fellow AusIMM</li> <li>• 27 years' experience in various exploration, business development, mine geology and executive leadership roles</li> <li>• Led exploration teams to several significant discoveries and concluded several significant business development transactions</li> <li>• Former Executive Vice President: Growth and International Projects for Gold Fields Ltd, responsible for global exploration and project development</li> <li>• Was CEO of Troy Resources Ltd and held non-executive director roles at Sino Gold Ltd and Avoca Resources</li> <li>• Currently a non-executive director of Evolution Mining Ltd and principal in various private resource investment companies</li> </ul>
<b>Matt Briggs</b> <b>(Managing Director)</b>	<ul style="list-style-type: none"> <li>• Geologist, BSc Hons (Geology), Member AusIMM</li> <li>• 20 years' experience in Australia and internationally in various aspects of mine geology, exploration, project management and strategic leadership in the gold industry</li> <li>• Worked at a number of mine sites in Western Australia and worked internationally on projects in Africa</li> <li>• Headed Group Strategic Planning for Gold Fields Limited</li> <li>• Was directly involved or managed teams that have discovered several multi-million ounce gold deposits</li> </ul>
<b>Susie Corlett</b> <b>(Non-Executive Director)</b>	<ul style="list-style-type: none"> <li>• Geologist &amp; Finance Professional, BSc Hons (Geology) MAusIMM, GAICD</li> <li>• 23 years experience internationally encompassing exploration, mining, mining finance, and investment roles</li> <li>• Proven expertise in identifying and implementing growth strategies for exploration and mining companies</li> <li>• Geology courier spans exploration, open pit and underground mining of gold and base metals, principally for RGC Limited and Goldfields Limited</li> <li>• Investment Director of Pacific Road Capital Management</li> <li>• Former Director of Mawson West, executive at Standard Bank and Macquarie Bank, and geologist at RGC and Gold Fields</li> </ul>
<b>Brett Smith</b> <b>(Non-Executive Director)</b>	<ul style="list-style-type: none"> <li>• BSc Hons (Chem), MBA, MA</li> <li>• 30 years' international experience in the engineering, project development and organisational change management</li> <li>• Participated in the development and delivery of a number of mining and mineral processing projects including coal, iron ore, base and precious metals</li> <li>• Managed engineering and construction companies in Australia and internationally</li> <li>• Currently Executive Director of Dragon Mining Limited and Deputy Executive Chairman of APAC Resources Limited</li> </ul>

# Hyperion Mineral Resource Estimate

## Hyperion Inferred Resource Estimate at 0.8g/t cut-off

Category	Tonnes	Grade (g/t gold)	Ounces
Hyperion Central	2,209,000	2.06	146,600
Hyperion South	768,000	2.25	55,500
<b>Total</b>	<b>2,977,000</b>	<b>2.11</b>	<b>202,200</b>

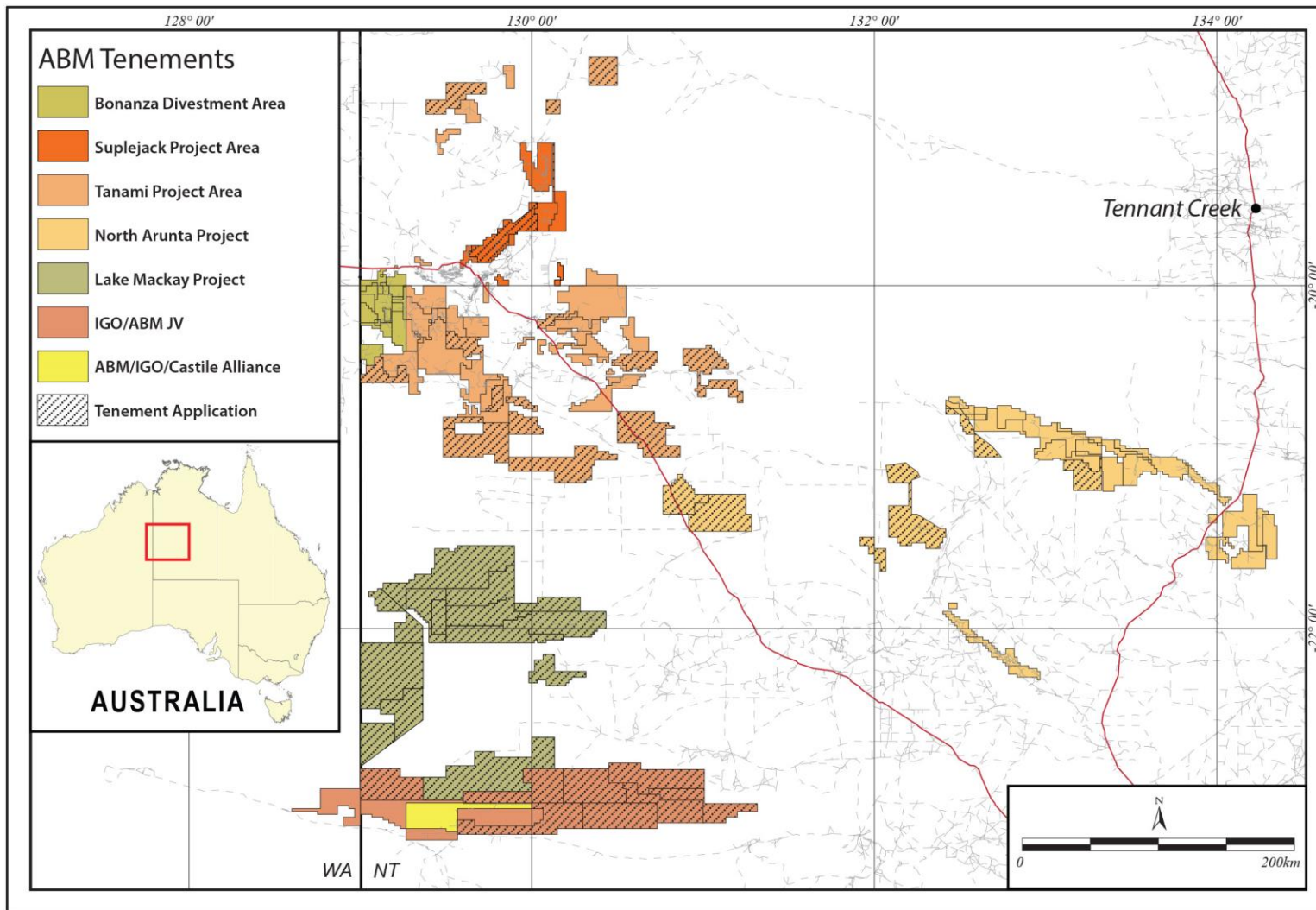
## Hyperion Inferred Resource Estimate at 2.0 g/t cut-off

Category	Tonnes	Grade (g/t gold)	Ounces
Hyperion Central	875,000	3.17	89,100
Hyperion South	272,000	4.08	35,700
<b>Total</b>	<b>1,147,000</b>	<b>3.38</b>	<b>124,800</b>

\*Note - totals may vary due to rounding. Refer press release 5<sup>th</sup> February 2013 and 16<sup>th</sup> April 2012 for details;  
Re-reported in 2013/14, 2014/15 and 2015/16 annual reports to be compliant with JORC 2012.



# Current Tenement Holding



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