

# Tanami Region

## Unlocking the Discovery Potential

AGES Conference

28 March 2017

**Matt Briggs**

Managing Director



ASX : ABU

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



# Important Information & Competent Person



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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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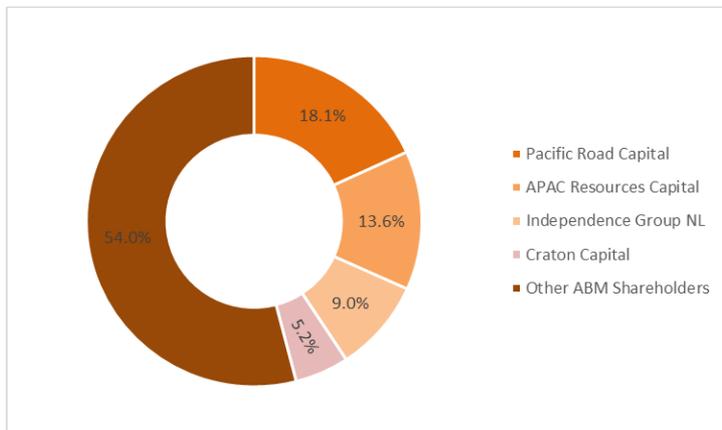
## Capital Structure

Shares on Issue (m)	373.6
Available Cash (A\$m) <sup>1</sup>	7.5
Market Cap (A\$m) <sup>2</sup>	39

## 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>



## Key Management

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

<sup>1</sup> Available cash excludes A\$2.5m cash reserved for required cash backing of environmental bonds as at 31<sup>st</sup> December 2016

<sup>2</sup> Based on closing share price of \$0.105 as at 27th March 2017

<sup>3</sup> Substantial shareholders as at 1<sup>st</sup> April 2017



**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.

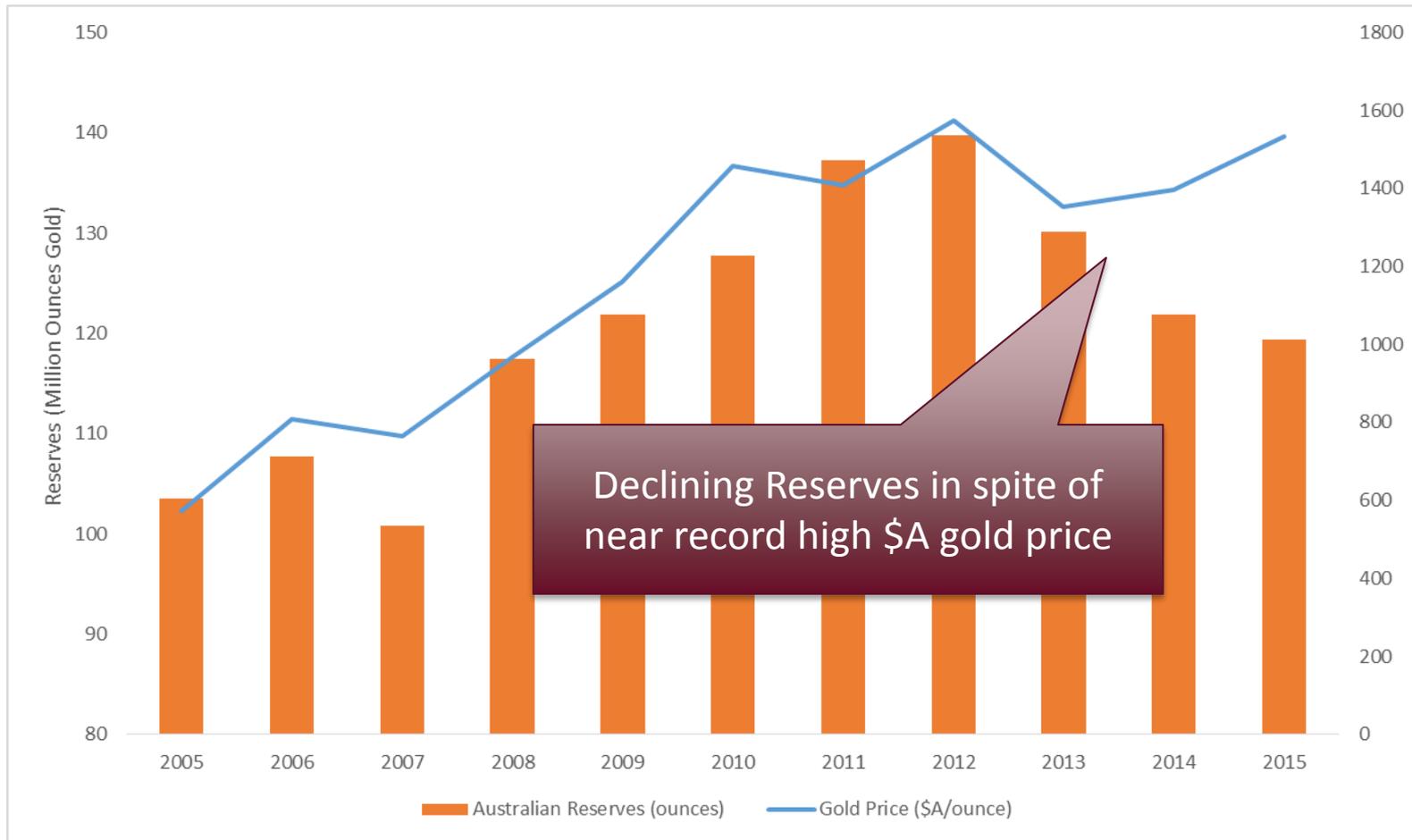


**Mr Matt Briggs BSc Hons (Geology), Member AusIMM**  
**Managing Director**

Status: Not Independent

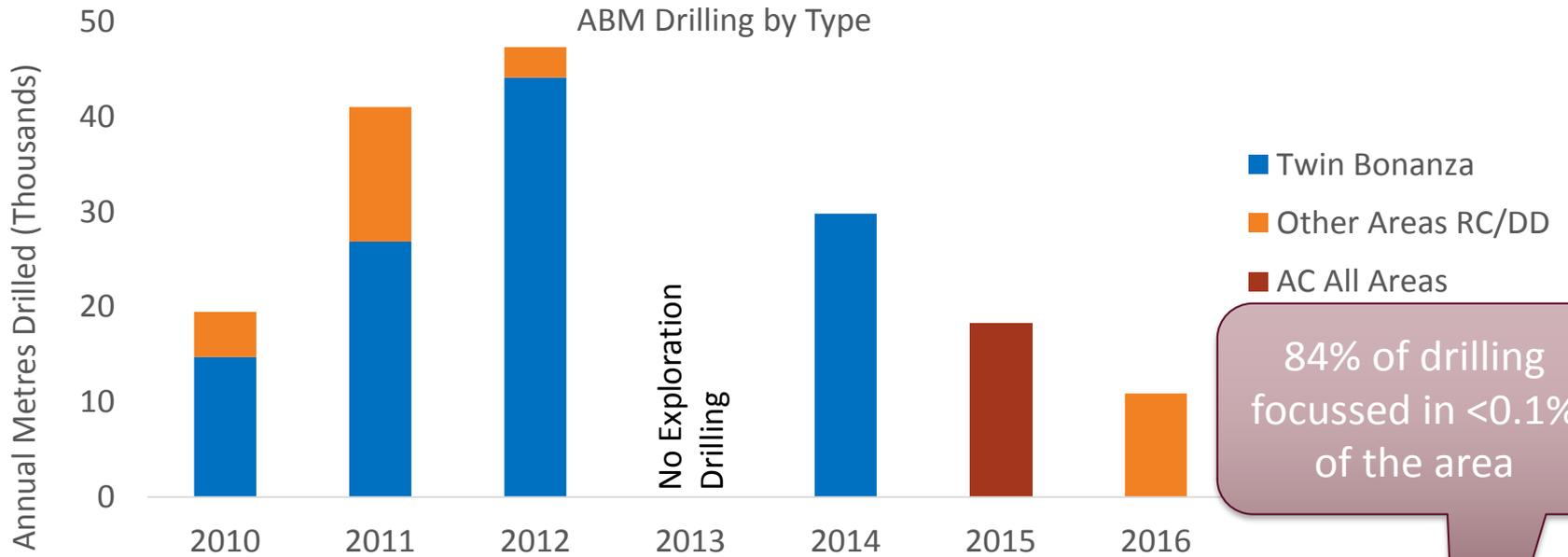
Matt Briggs has 20 years' experience in Australia and internationally in various aspects of mine geology, exploration, project management and strategic leadership in the gold industry. Matt graduated as a geologist from the University of Queensland and worked at a number of mine sites in Western Australia. 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 understand what it takes to make a mine



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

# ABM Past Focus on Known Deposits



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

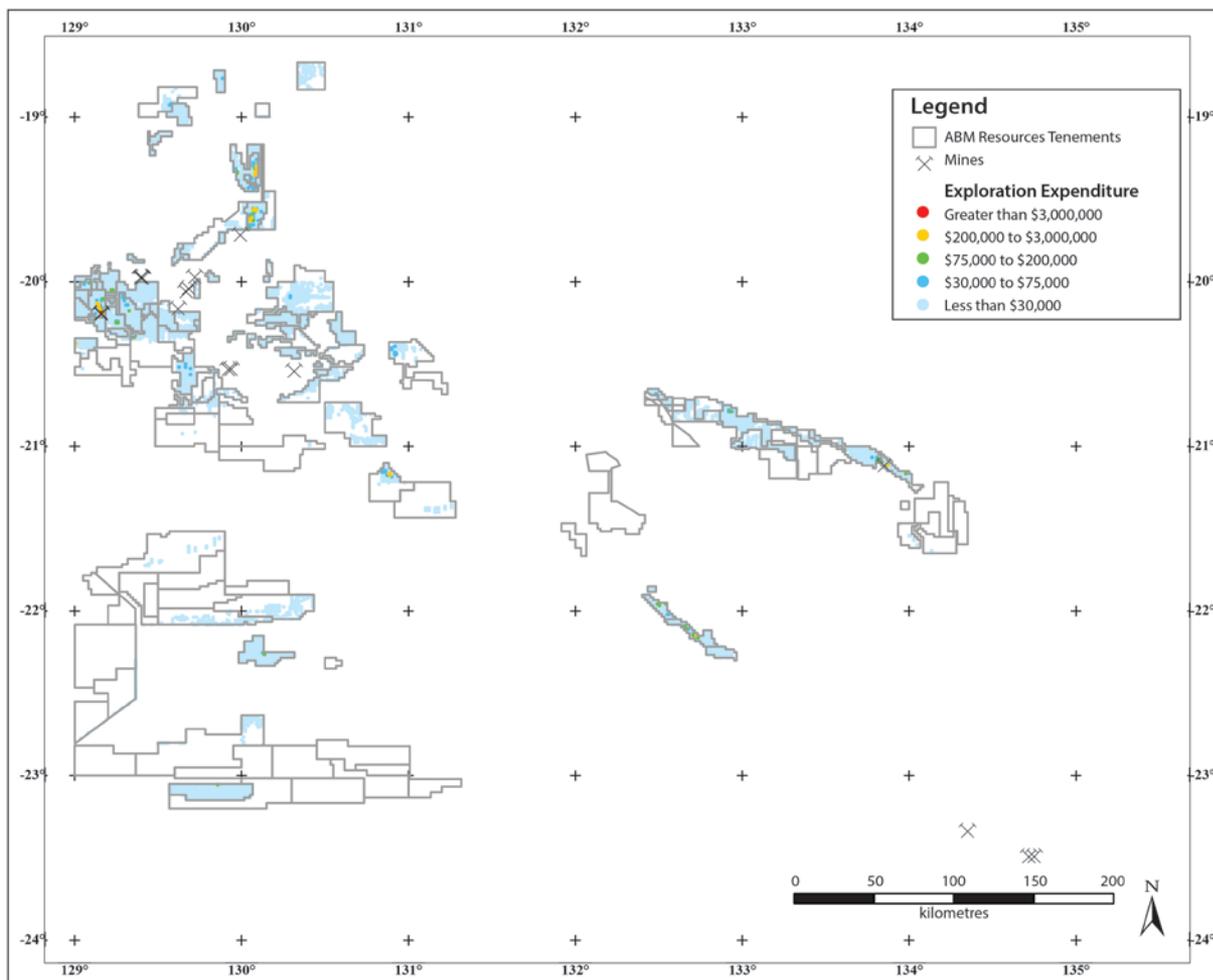
## ABM is well positioned with a clear strategy to unlock the discovery potential

- 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)
  - >1.5 million ounces of Mineral Resources
- 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
  - As at 31 December 2016 ~\$7.5 million cash excluding A\$2.5m cash reserved for required cash backing of environmental bonds
  - 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 early stage target areas and Resource 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

# 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%\*\* of tenement area does not have a single RC or DD hole

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

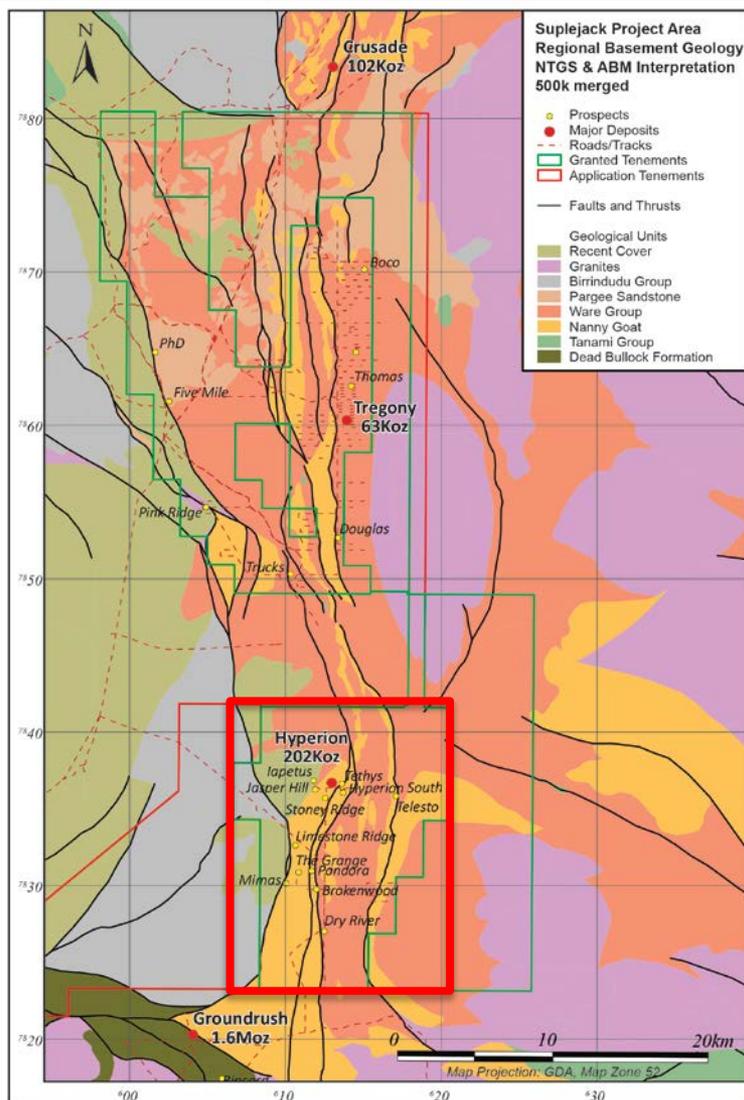
\*\* 78% of ABM Tenements by area

Map current as at 31 December 2016

## Reinvigorating Exploration

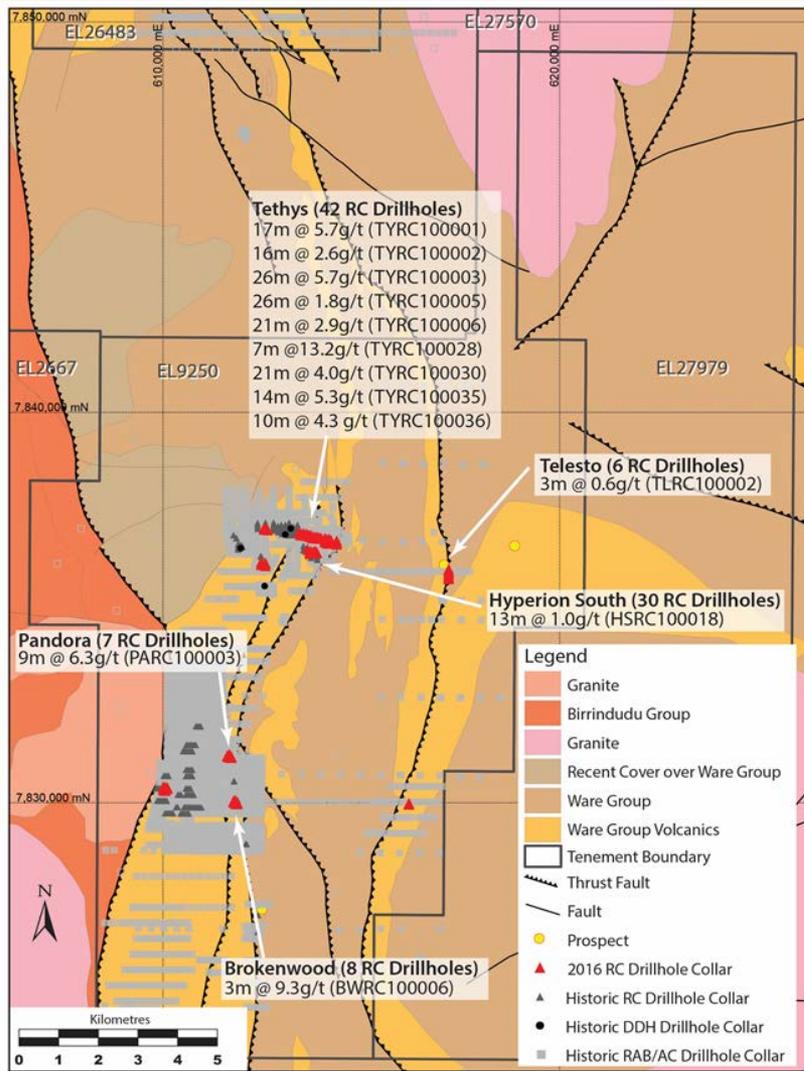
- >400,000 historic assay results entered and continuing
- Field mapping
- 490 rock chip samples collected
- 111 drill holes for 11,353m
- Routine XRF with multi-element calibration
- Start at Suplejack and expand

# Reinvigorating Exploration - Suplejack Project



- Over 60 km north trending structural trend
  - Significant gold anomalism
  - 1.6 Moz Groundrush deposit immediately to the south
- Historic data has highlighted numerous gold targets
  - Airborne geophysics, surface geochemistry, shallow drilling

<sup>1</sup> Refer press release 20 February 2017 for latest JORC 2012 compliant mineral resource report.

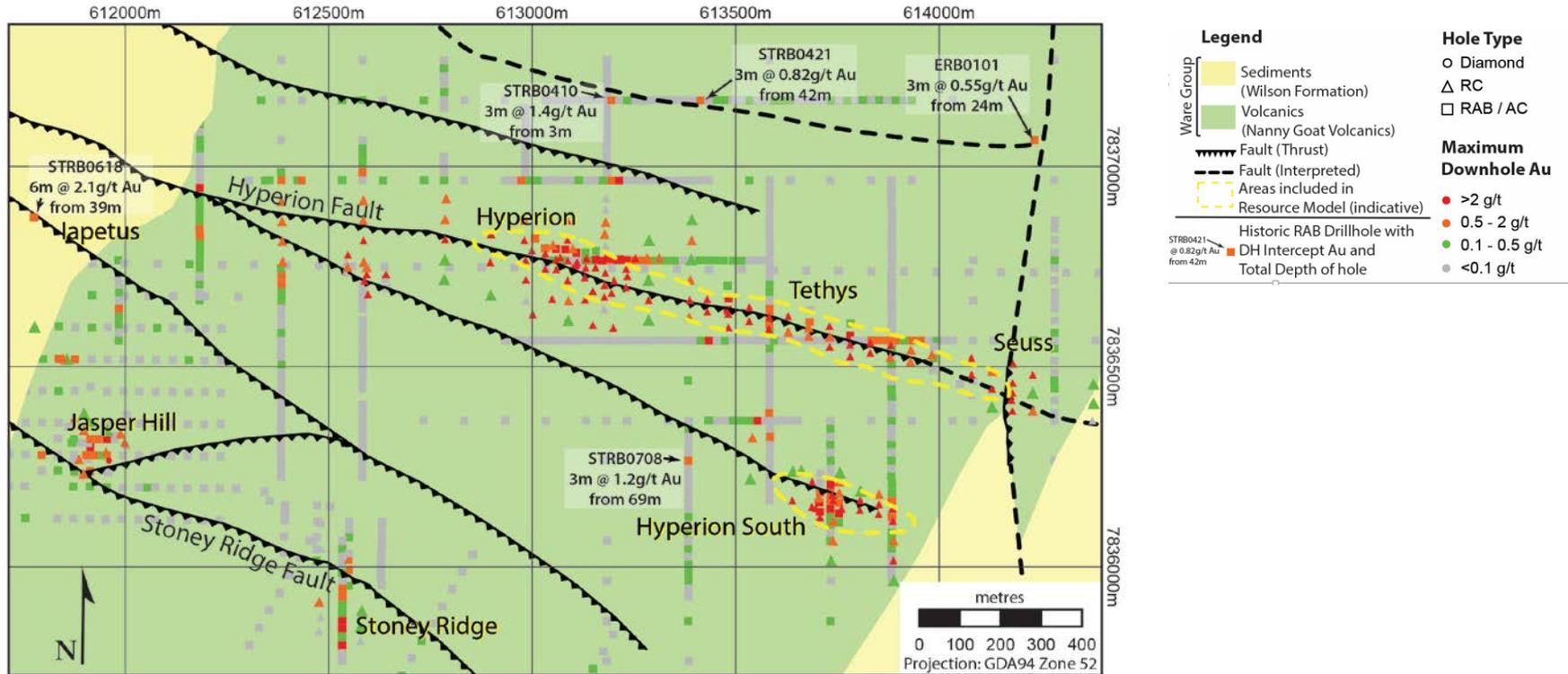


- Over 60 km north trending structural trend
  - Significant gold anomalism
  - 1.6 Moz Groundrush deposit immediately to the south
- Historic data has highlighted numerous gold targets
  - Airborne geophysics, surface geochemistry, shallow drilling
- ABM completed a ~9,500 metre RC and 1,900 metre DD drilling program during the 2016 exploration season
  - ABM Resource 4.5 Mt at 2.14 g/t for 309,900 oz (c/o 0.8 g/t)<sup>1</sup>.
  - First Resources declared on newly discovered Seuss Fault
  - Significant additional drill intercepts at Pandora (9 m at 6.3 g/t) and Brokenwood (3 m at 9.3 g/t)

Hyperion Project - 2016 Selected Drilling Intercept Results

<sup>1</sup> Refer press release 20 February 2017 for latest JORC 2012 compliant mineral resource report.

# Suplejack Prospect: extending mineralisation for over 1.3 km

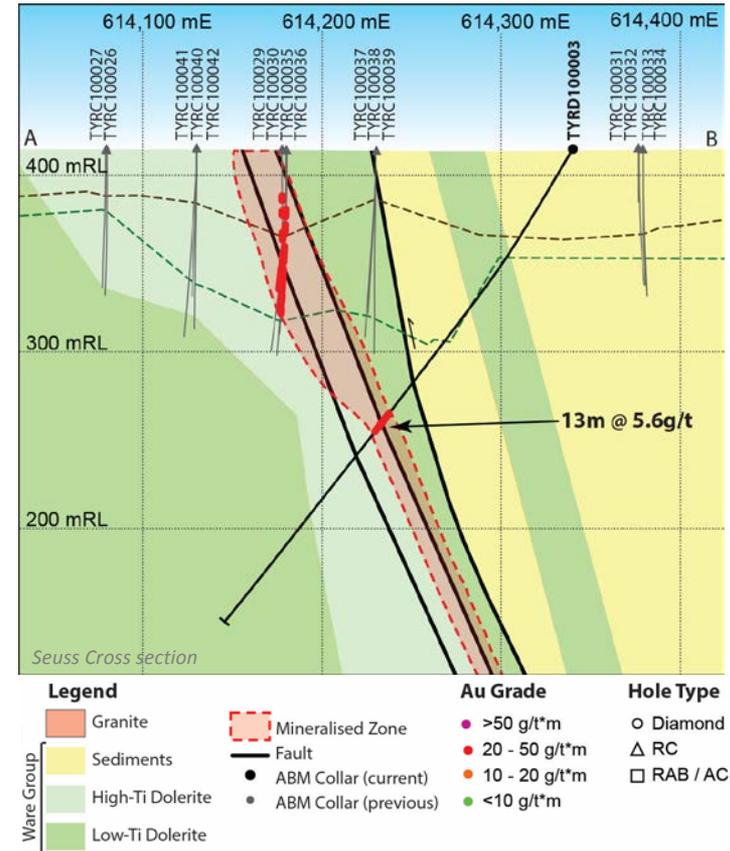


Hyperion-Tethys Prospect collar plan

- Significant mineralisation over 1.3 km strike drilled including 4 shoots
- 40% of Resource in oxide and transitional material
- Multiple parallel structures identified
- Historic soil sampling and shallow drilling not effective above leached profile
- Seuss open along strike including 600 metres to the north towards historic RAB hole



Suplejack Prospect, Seuss Fault Breccia outcrop

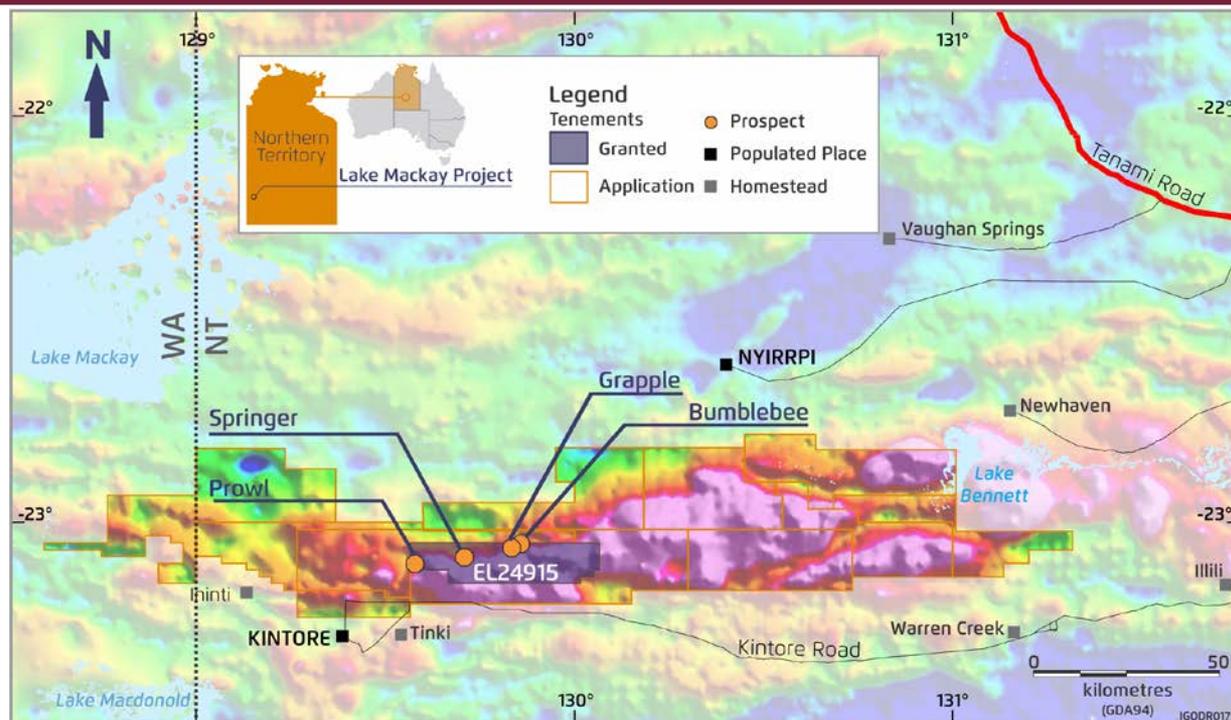


- First dedicated drilling on Seuss commenced in October with result of 13m@ 5.6g/t
- Strong breccia with consistent thickness and grade
- Extends to surface and mapped for 300 metres

Structure open along strike – parallel to stratigraphy

# Lake Mackay Project: gold and base metal exploration

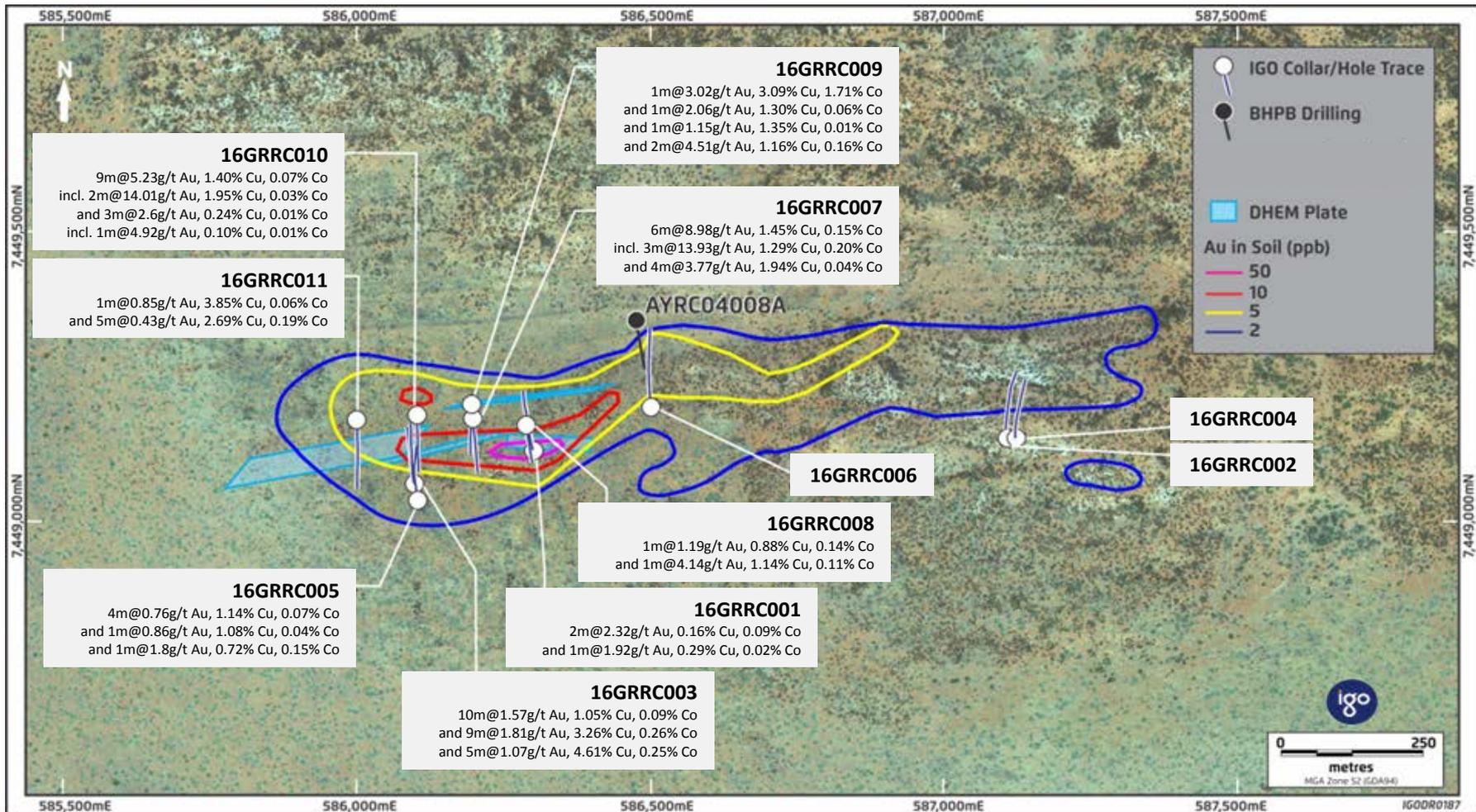
- Independence Group NL (IGO) are exploring the Lake Mackay project
- IGO to fund \$6 million by May 2020 to earn a 70% interest
- Seen as a belt scale opportunity with the potential to host gold and base metal deposits
- Initial success has demonstrated exploration techniques are effective
- Continuing to work systematically through the project area to identify and test the best targets



Lake Mackay Project location plan focused on the Proterozoic Warumpi margin covering 200km strike of prospective geology, centred on a continent-scale geophysical gravity ridge.

- Ground electromagnetic survey and initial drilling identified mineralisation (8/11 holes anomalous at Grapple)
  - **Bumblebee** (15LMAC031): 7 m at 3.3g/t gold, 37.7g/t silver, 3.2% copper, 0.9% lead, 1.3% zinc and 0.08% cobalt
  - **Grapple** (16GRR007): 6m at 8.98 g/t gold, 23.5 g/t silver, 1.45% copper, 0.26% lead, 1.40% zinc and 0.15% cobalt
  - **Grapple** (16GRR010): 9m at 5.23 g/t gold, 12.8 g/t silver, 1.4% copper, 0.23% lead, 0.57% zinc and 0.07% cobalt
- To date IGO have completed an initial screening of only 7% of the project area and have demonstrated the prospectivity of Lake Mackay with high grade results.

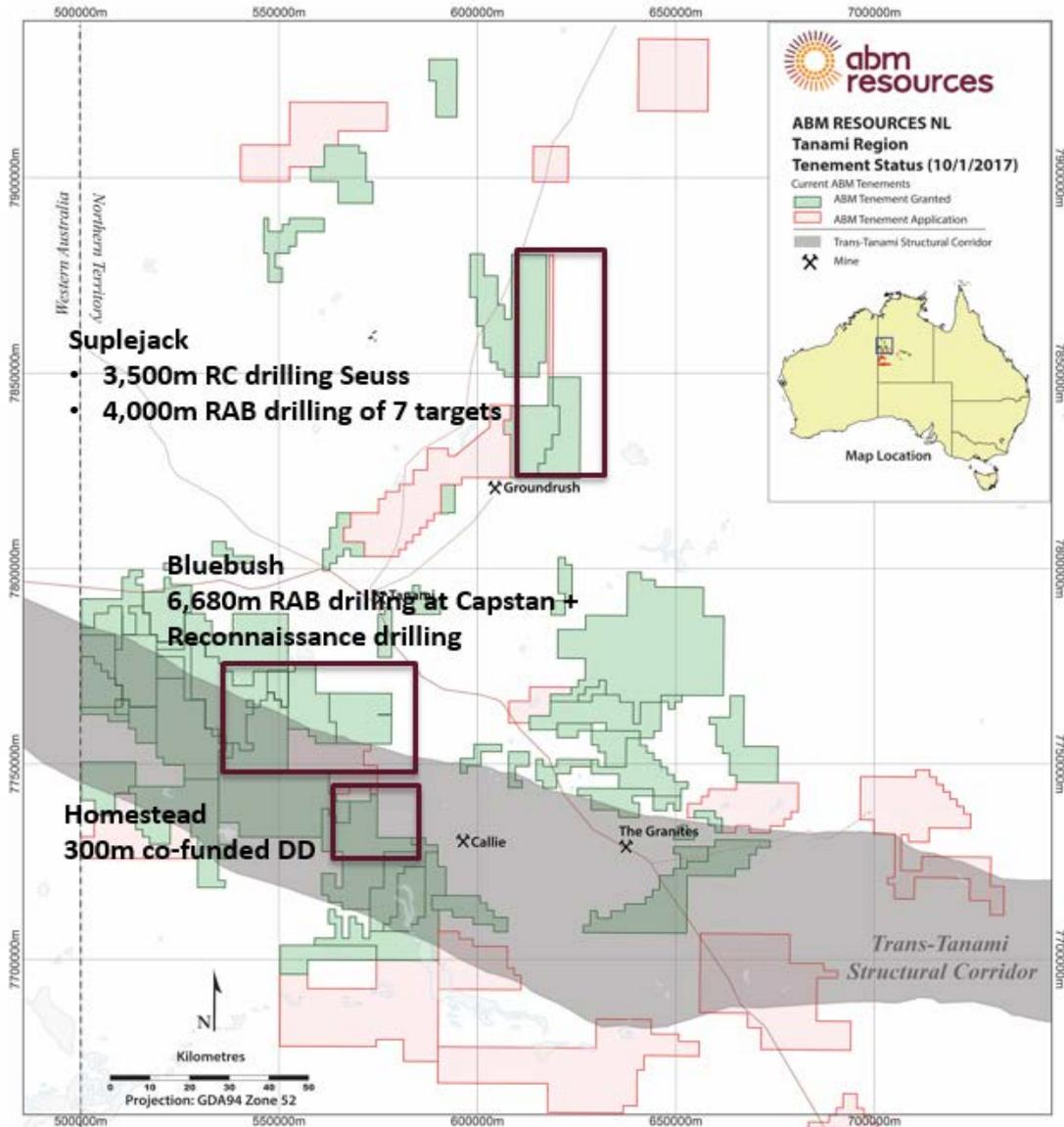
# Grapple Results



Lake Mackay air photo with soil anomalism and MLEM plates. Grapple Prospect showing the location of the eleven drill holes and the main Au and Cu mineralized zones

Demonstrates Lake Mackay is a mineralised province

# 2017 Initial Drilling Targets



## Programs

- Systematic work plan prioritising large scale targets (>1Moz)
- Review data critical for predictive targeting
  - Field mapping
  - Geochemistry (XRF & ICP-MS)
  - Alteration mapping
  - Geophysics
  - Structural Interpretation
- Strategy and work program includes:
  - Large scale conceptual targets
  - Reconnaissance RAB
  - Anomaly definition
  - Advanced targets

## Brokenwood/ Grange/ Pandora

- Targeted RAB drilling to intersect mineralised structures intersecting favourable stratigraphy

## Seuss - North

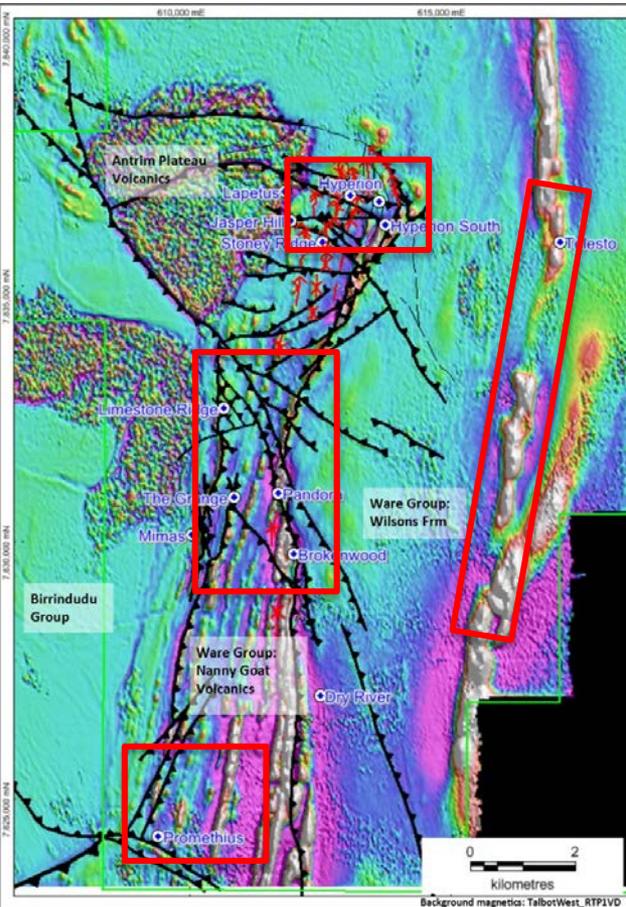
- Recon RAB drilling to confirm bedrock gold along interpreted Seuss structure

## Telesto trend

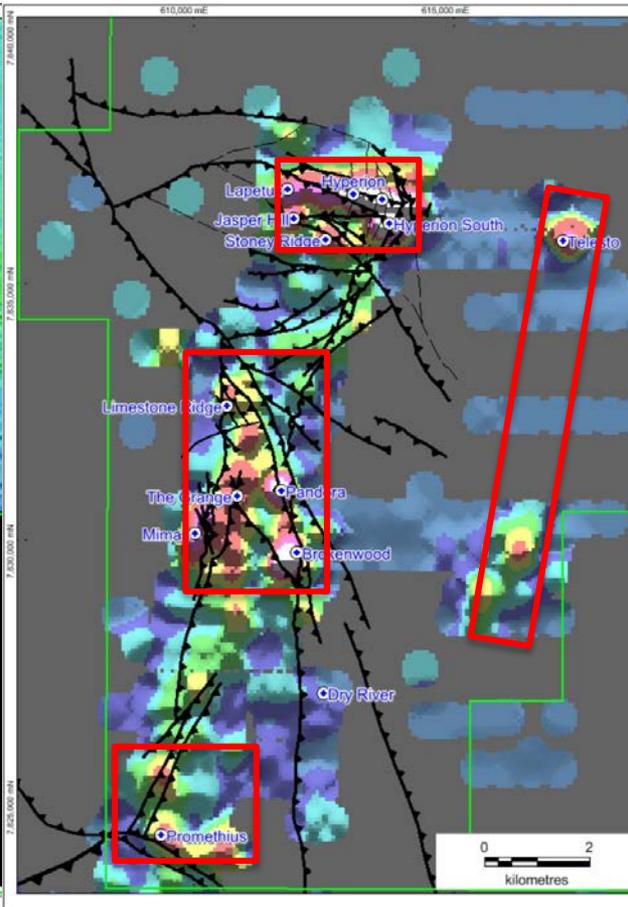
- Recon RAB drilling to confirm bedrock gold

## H1 C2017 Total

- 3,500m RC drilling
- Commencing mid April 17
- 7,200m RAB drilling
- Commencing May 17



Interpreted faults over magnetic



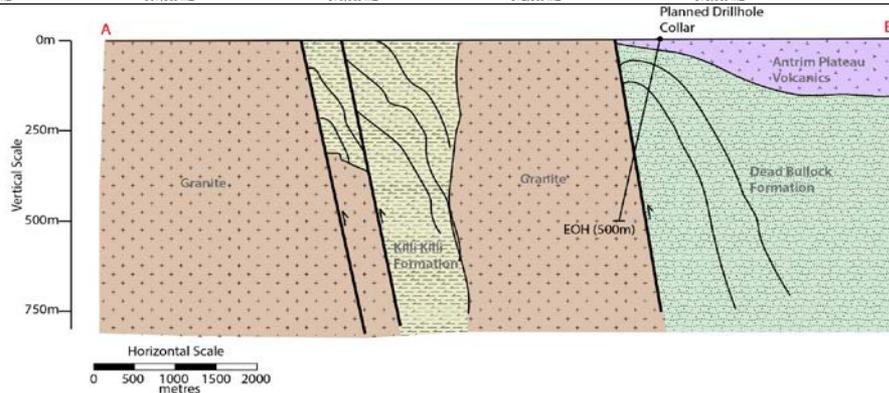
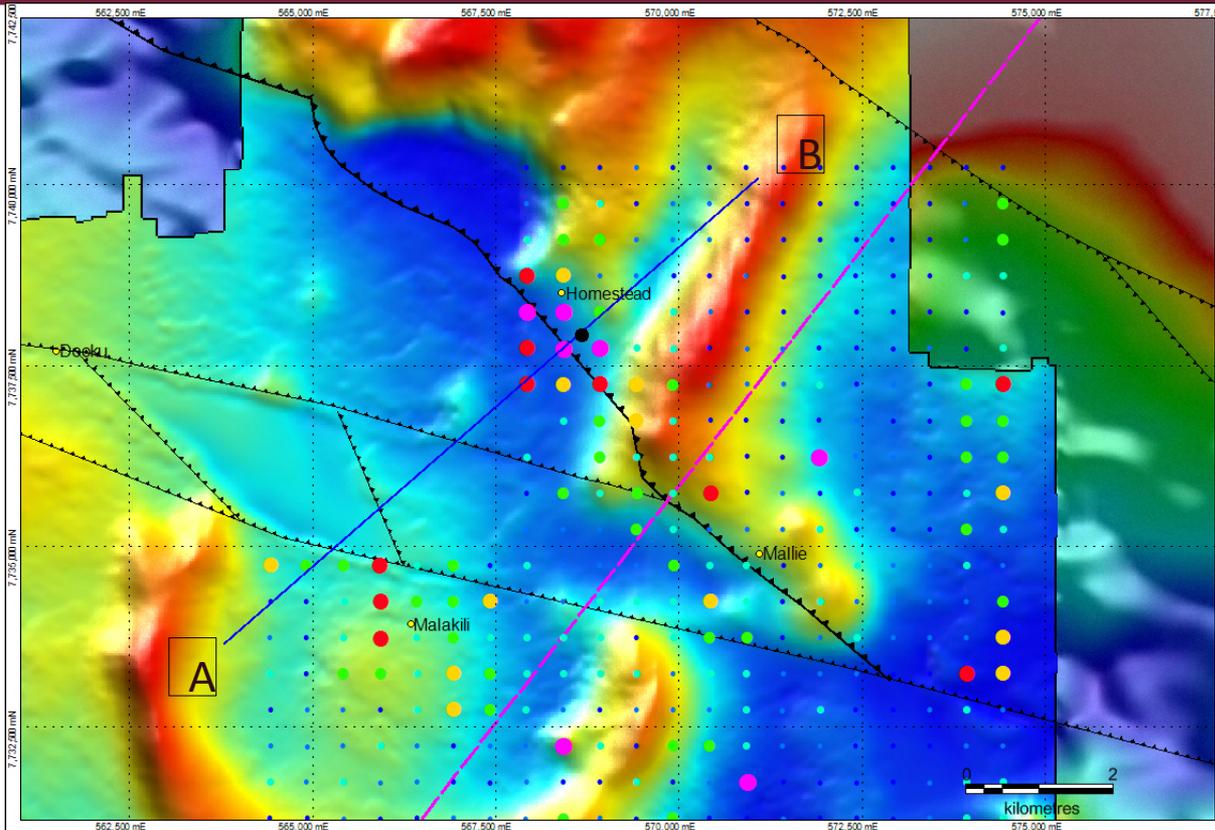
Interpreted faults over gridded max gold

- Callie style target, 25km west of Callie
- Major gravity break (pink) and interpreted Dead Bullock stratigraphy
- Ionic Leach surface anomaly defined
- NTGS co-funding approved

## Homestead Prospect

- Confirm concealed Dead Bullock Formation
- Test for interpreted mineralised structure

- 300m diamond drilling
- Commencing in April



## Traditional Owners and Central Land Council (CLC)

- ABM acknowledges that it operates on land owned by Traditional Owners
- Since the first tenement acquisitions in the Northern Territory in the 2009/2010 financial year ABM has progressed 106 tenement applications to grant and held numerous on-ground meetings with the CLC and Traditional Owners in the process of doing so



*Liaison committee meeting with Traditional Owners at ABM's Twin Bonanza Site in July 2016*

## Suplejack-Project – Mineral Resource Estimate – February 2017

Area	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	Million t	Au g/t	Oz	Million t	Au g/t	Oz	Million t	Au g/t	Oz
	Indicated			Inferred			Total		
<b>Oxide</b>									
Hyperion-Tethys	0.04	1.70	2,300	0.21	3.01	20,500	0.25	2.79	22,800
Seuss				0.17	2.48	13,600	0.17	2.48	13,600
Hyperion South				0.03	1.19	1,300	0.03	1.19	1,300
<b>Total</b>	<b>0.04</b>	<b>1.7</b>	<b>2,300</b>	<b>0.42</b>	<b>2.65</b>	<b>35,400</b>	<b>0.46</b>	<b>2.56</b>	<b>37,700</b>
<b>Transitional</b>									
Hyperion-Tethys	0.30	1.69	16,400	0.78	2.16	54,200	1.08	2.03	70,600
Seuss				0.14	2.78	12,800	0.14	2.78	12,800
Hyperion South				0.09	1.31	3,800	0.09	1.31	3,800
<b>Total</b>	<b>0.30</b>	<b>1.69</b>	<b>16,400</b>	<b>1.00</b>	<b>2.17</b>	<b>70,800</b>	<b>1.32</b>	<b>2.06</b>	<b>87,200</b>
<b>Fresh</b>									
Hyperion-Tethys	0.59	2.72	51,600	1.59	1.69	86,100	2.18	1.97	137,600
Seuss				0.31	3.07	30,900	0.31	3.07	30,900
Hyperion South				0.25	2.07	16,400	0.25	2.07	16,400
<b>Total</b>	<b>0.59</b>	<b>2.72</b>	<b>51,600</b>	<b>2.15</b>	<b>1.93</b>	<b>133,400</b>	<b>2.74</b>	<b>2.10</b>	<b>184,900</b>
<b>Deposit Total</b>									
Hyperion-Tethys	0.93	2.34	70,200	2.58	1.94	160,800	3.51	2.04	231,000
Seuss				0.63	2.85	57,300	0.63	2.85	57,300
Hyperion South				0.37	1.80	21,500	0.37	1.80	21,500
<b>Total</b>	<b>0.93</b>	<b>2.34</b>	<b>70,200</b>	<b>3.58</b>	<b>2.08</b>	<b>239,600</b>	<b>4.51</b>	<b>2.14</b>	<b>309,900</b>

Suplejack Project Area reported above 0.8g/t cut-off and above the 230mRL. Resources may not sum to equal totals due to rounding. Refer to announcement 17 February 2017.