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# Tanami Region - Unlocking the Discovery Potential

RIU Explorers Conference - Fremantle

February 2018

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ASX: ABU

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## COMPETENT PERSONS STATEMENT

The information in this presentation 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.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcement.

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

## *ABM Resources has what an explorer needs and a producer wants*

### Unique Greenfields and Brownfields Exploration Portfolio

- Experienced team are actively hunting for a major discovery in highly prospective Tanami Province
- Massive strategic land holding in proven multi-million ounce district (Callie Mine - Newmont)

### Quality Resources - +1Moz and Growing

- Value underpinned by over 1.0Moz @ 2.1g/t of shallow Resources with growth potential
- Surrounded by Majors – Newmont & Northern Star

### Aggressive Exploration Program

- Aggressive work program planned to screen all priority projects for large deposits
- 6 drilling campaigns planned in 2018 + JV partners activity

### Active JV Partner

- IGO to spend \$6M to earn 70% of Lake Mackay – IGO 9.1% holder of ABM shares
- Gladiator Resources to spend \$6.5M to earn 70% of North Arunta

### Strong Investor Support

- ~\$2.4 million cash at 31 December 2017 (excluding A\$2.3m cash reserved for environmental bonds)
- 46% of the company's shares held by top four long term shareholders

## Successful explorers that understand what it takes to make a mine



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

- Resource company executive with 28 years' experience in various exploration, business development, mine geology and executive leadership roles
- Led exploration teams to several significant discoveries and concluded several significant business development transactions
- Formerly Executive Vice President: Growth and International Projects for Gold Fields Ltd, CEO of Troy Resources Ltd and held non-executive director roles at Sino Gold Ltd and Avoca Resources
- Non-executive director of Evolution Mining Ltd



### Managing Director - Mr Matt Briggs BSc (Geology), Member AusIMM

- 20 years' experience in Australia and internationally in various aspects of mine geology, exploration, project management and strategic leadership in the gold industry
- Recently headed Group Strategic Planning for Gold Fields Limited
- Directly involved or managed teams that have discovered several multi-million ounce gold deposits



### Exploration Manager - Mr Neil Jones MSc (Geology)

- Geologist with 18 years' experience including greenfields and brownfields exploration
- Recent roles as a geologist for Gold Fields, PMI Gold and Troy Resources exploring primarily for gold
- Extensive experience in Paleoproterozoic and Archean terrains around the globe

### Other Key Management

Jutta Zimmermann	CFO and Company Secretary
James Davis	Generative Geologist

### Consultants

Oliver Kreuzer (CGSG)	Generative Geologist
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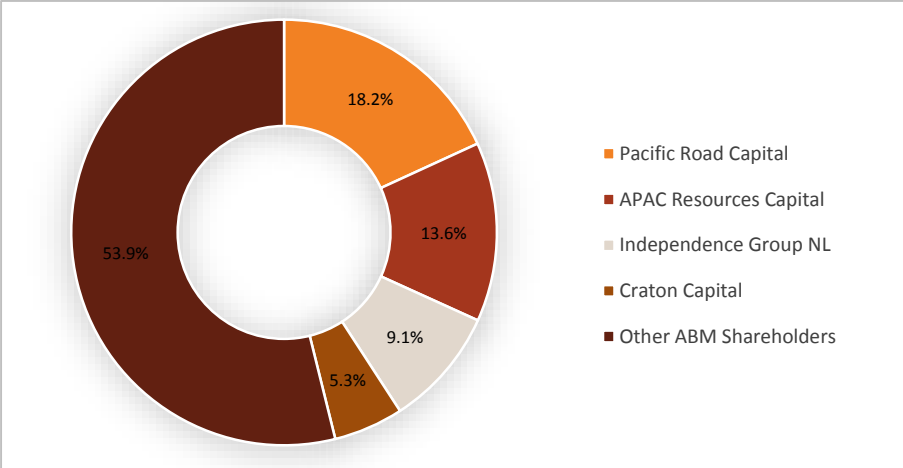
## Capital Structure

Shares on Issue	375.2m
Unlisted options	24m
Net Cash <sup>1</sup>	A\$2.4m
Market Cap <sup>2</sup>	A\$32m

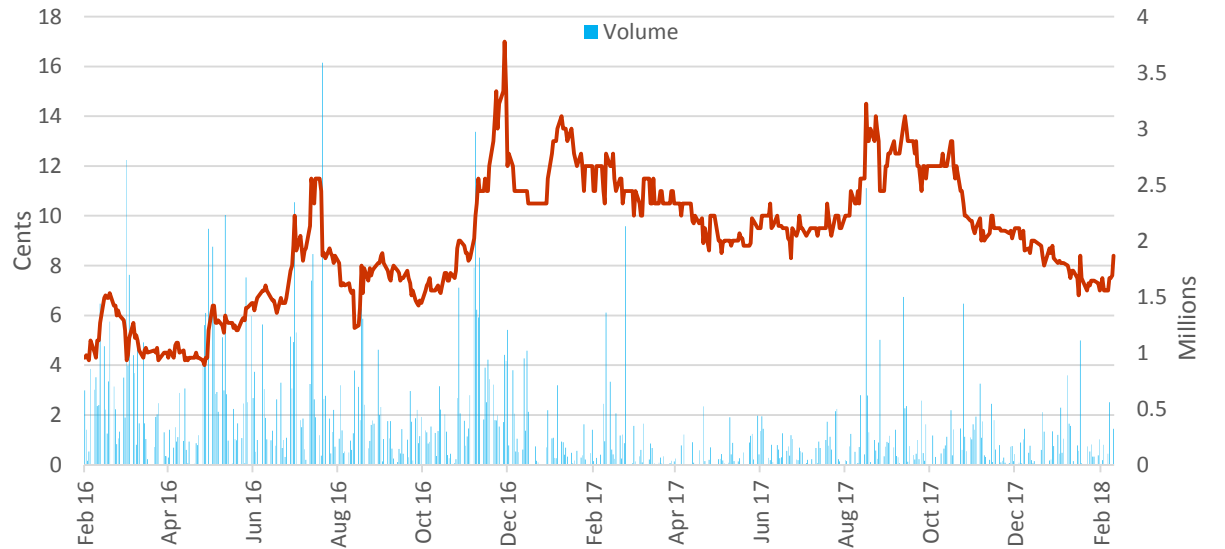
## Board of Directors

Tommy McKeith	Non-Executive Chairman	Appointed 27/06/16
Matt Briggs	Managing Director	Commenced 3/10/16
Brett Smith	Non-Executive Director	Appointed 9/5/16
Mark Faul	Non-Executive Director	Appointed 12/6/17

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



## Historical Share Price



<sup>1</sup> Available cash excludes A\$2.3m cash reserved for required cash backing of environmental bonds as at 31 December 2017

<sup>2</sup> Based on closing share price of \$0.084 as at 16 February 2018

<sup>3</sup> Substantial shareholders as at 31 January 2018

## ABM focus on large stand alone targets – monetise other Resources

### 1. Tanami Ground Package

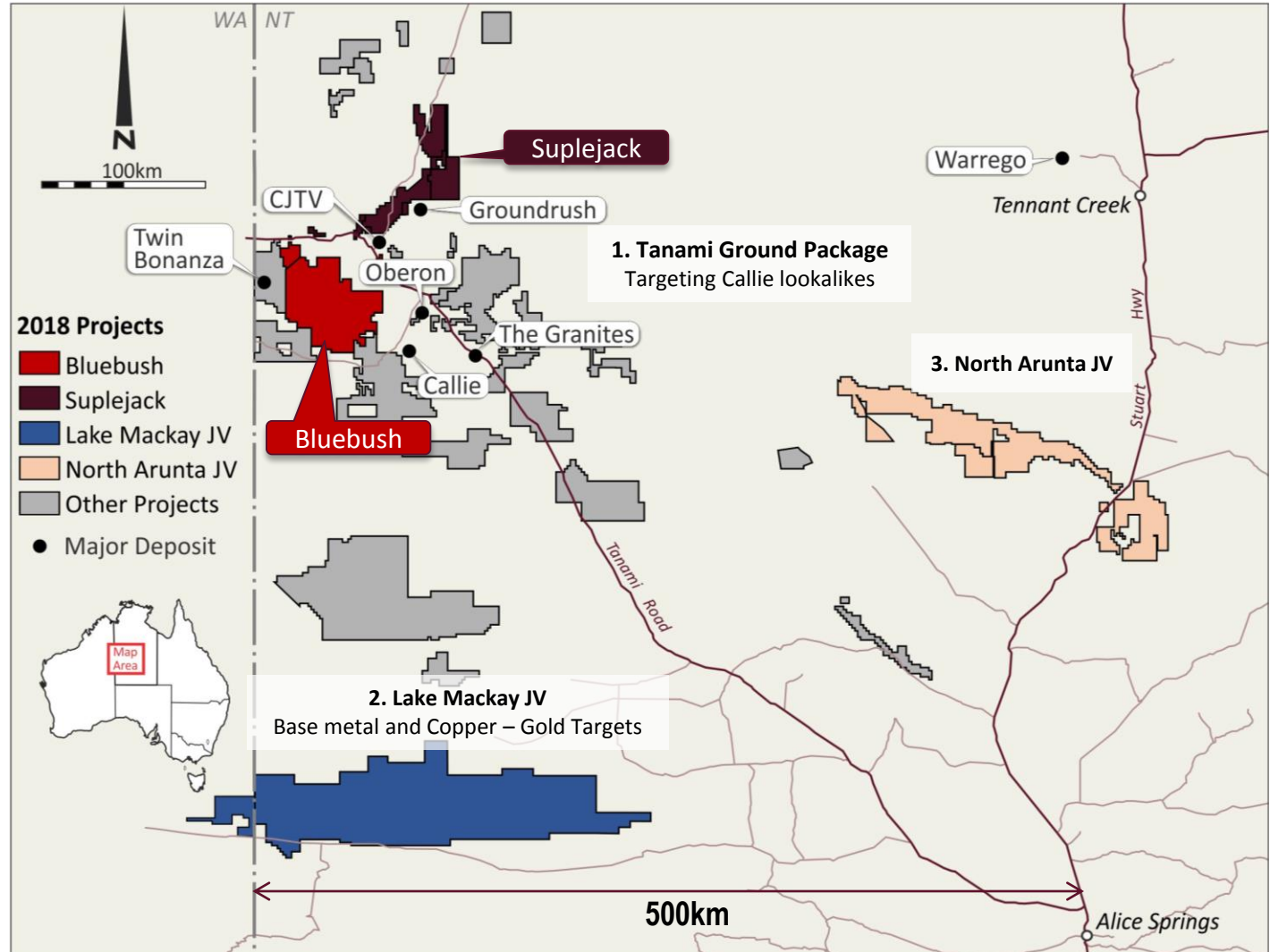
- Same corridors as Callie 13Moz (NEM) and Groundrush 1.7Moz (NST)
- Extensive tenement package
- >1Moz of Resources within 100km of mills
- Low previous exploration intensity
- Large scale anomalies not bedrock tested

### 2. Lake Mackay JV – IGO

- Cu-Au and Orogenic Au potential
- Only 4% of area screened so far
- 2 of 5 targets tested hit mineralisation

### 3. North Arunta & Reynolds Range

- Early stage
- Likely Cu-Au mineralisation
- Exploration agreement signed with Thunderbird Metals (Gladiator Resources) to earn up to a 70% interest in the North Arunta project



# Tanami – The Hunt for the Next Callie

## Home of World Class Deposits

- Callie is a world class gold deposit with 8Moz mined and current mine life of 12 years
- Annual production of 459kozpa and AISC US\$739/oz<sup>1</sup>

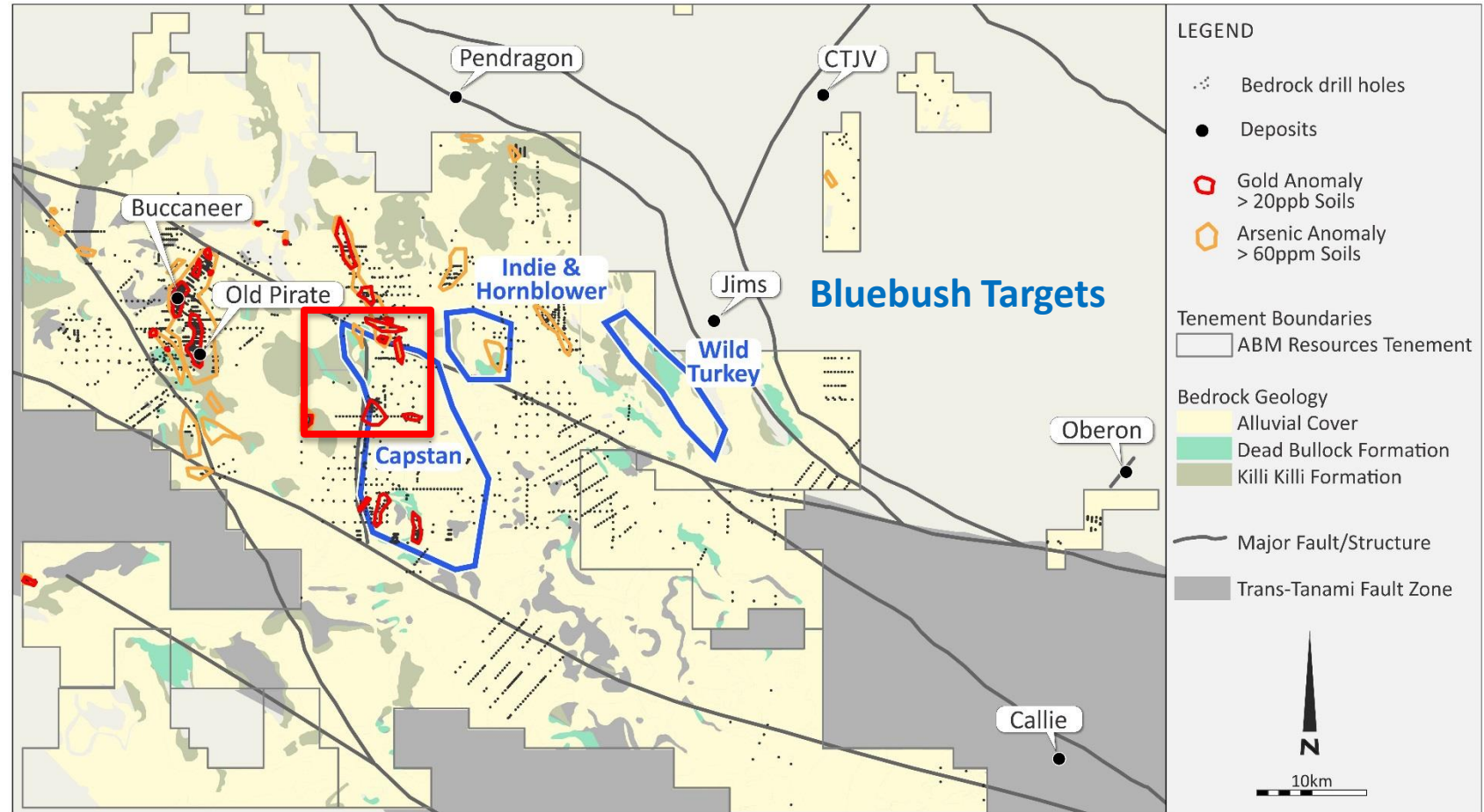
## ABM's Prospective Tenure

- Proximal to regional structures that control the major deposits
- Divested by Newmont in 2010 before they "unlocked" the geology at Callie Mine

## Bedrock testing required to detect Callie style systems

- Shallow cover over 80% of the Tanami
- Previous exploration used soil sampling to screen / prioritise targets – not effective

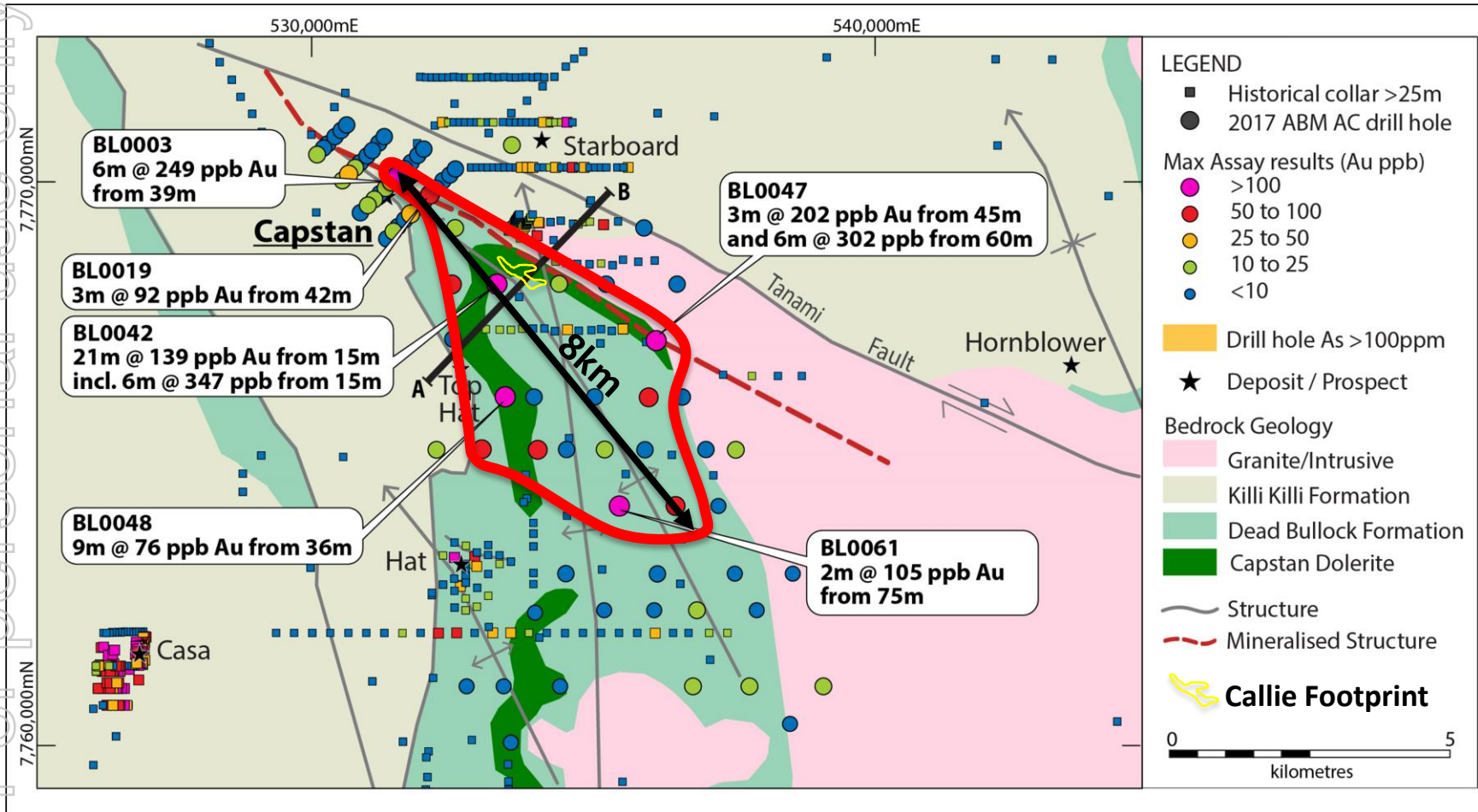
## Limited bedrock testing undertaken historically



Previous exploration has not tested beneath cover

# Strategy Yielding Results – 8km long anomaly

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## Strategy

- Systematic Exploration
- 1km x 1km bedrock drilling + geochem + geophysics
- Discovery through bedrock geochemistry and >50ppb gold anomaly under cover

## Capstan Prospect

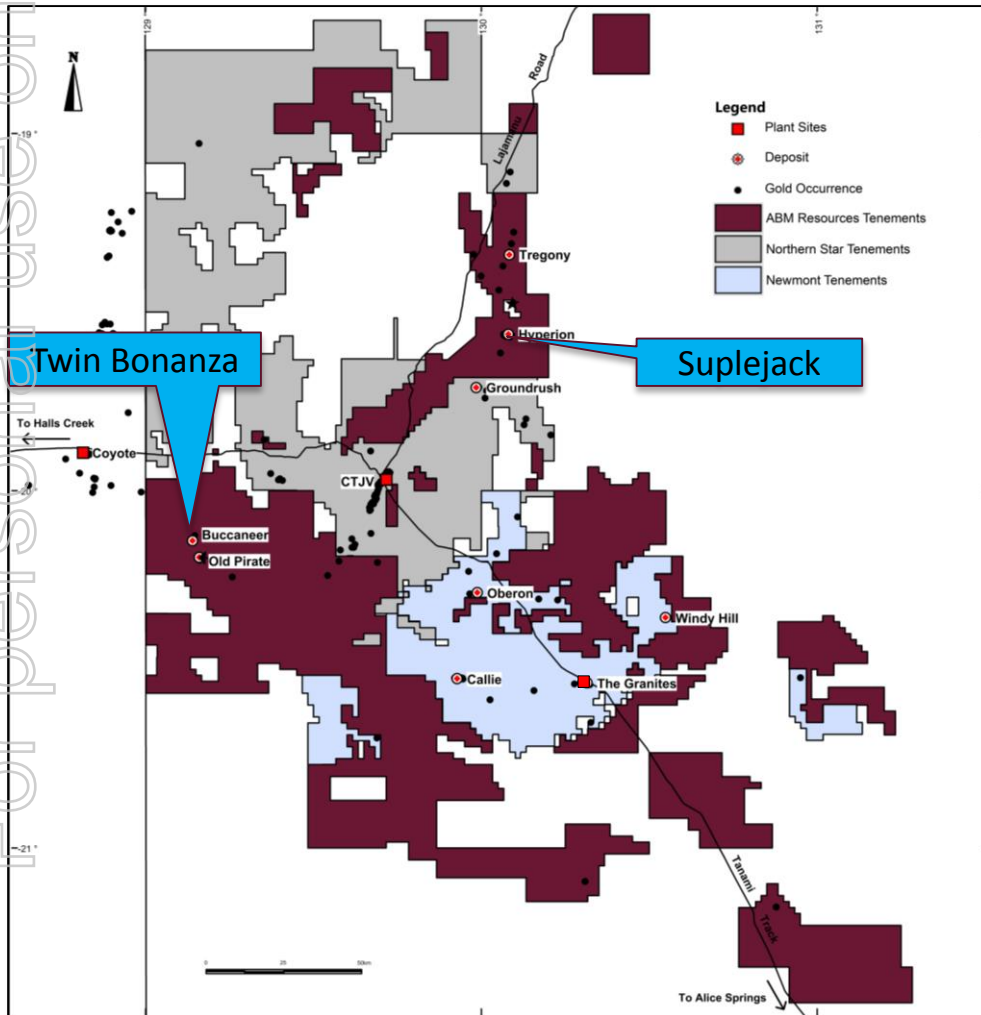
- 8km of bedrock gold anomalism
- Thick intersections
- Same rocks and structural setting as Callie
- **Aggressively drill at the start of 2018**
- **Over 9,500m of aircore planned to start Q1**

8km gold anomaly defined under shallow cover



# +1Moz Au Resource - Just the Beginning

>1 Moz of shallow Resources updated under current management

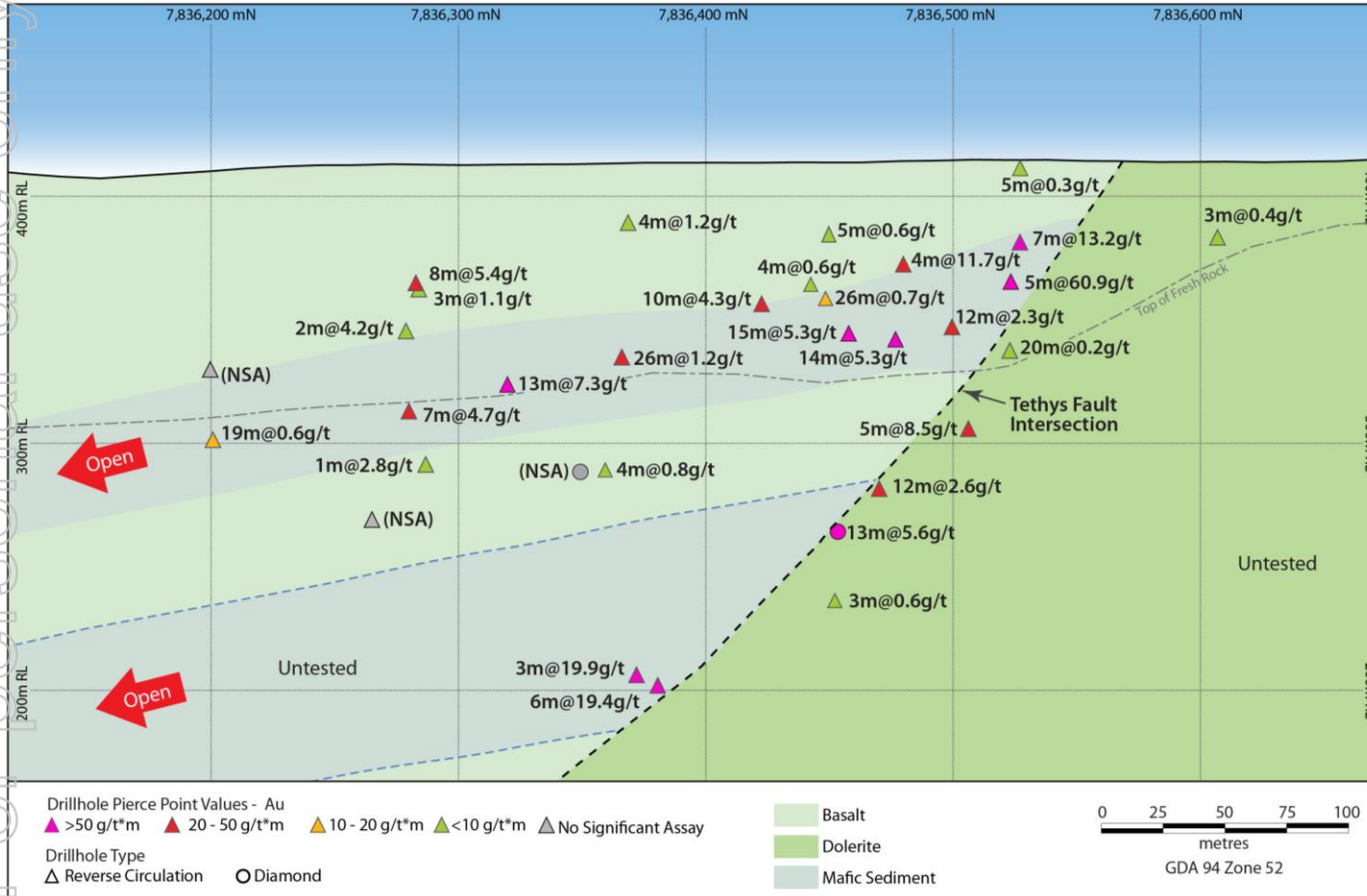


- High quality Resources underpin current value – 15.3Mt @ 2.1g/t for 1Moz gold
- >1Moz of Resources within 60km area
- Strategic Suplejack resource (4.5Mt at 2.1g/t for 310koz of gold ) located only 19km from Groundrush
- Growth potential on all Resources

Area	Cut Off (g/t)	Indicated			Inferred			Total		
		Tonnes (Mt)	Grade (g/t Au)	Ounces (koz Au)	Tonnes (Mt)	Grade (g/t Au)	Ounces (koz Au)	Tonnes (Mt)	Grade (g/t Au)	Ounces (koz Au)
<b>Suplejack Total</b>	<b>0.8</b>	<b>0.93</b>	<b>2.34</b>	<b>70.2</b>	<b>3.58</b>	<b>2.08</b>	<b>239.6</b>	<b>4.51</b>	<b>2.14</b>	<b>309.9</b>
<b>Twin Bonanza Total</b>	<b>1.0</b>	<b>1.2</b>	<b>1.86</b>	<b>72</b>	<b>9.52</b>	<b>2.1</b>	<b>630</b>	<b>10.76</b>	<b>2.0</b>	<b>700</b>
<b>ABM Resources Total</b>	<b>Various</b>	<b>2.1</b>	<b>2.1</b>	<b>142.2</b>	<b>13.1</b>	<b>2.1</b>	<b>869.1</b>	<b>15.27</b>	<b>2.1</b>	<b>1,010</b>

Resources may not sum to equal totals due to rounding. Refer to announcement 1 September 2017.

## Drilling continues to define high grades



- Shallow, oxide and sulphide hosted high grade faults
- Recently extended to >800 metres strike in aircore drilling
- Open along strike and down plunge
- 2017 Results include:
  - SSRC100007 – 6 metres at 19.4g/t gold
  - SSRC100008 – 5 metres at 60.9g/t gold
  - SSRC100019 – 3 metres at 19.9g/t gold
  - SSRC100015 – 8 metres at 5.4g/t gold & 7 metres at 4.7g/t gold
  - SSRC100044 – 2.5 metres at 11.7g/t gold & 4m at 26.6g/t
  - SSRC100047 – 13 metres at 7.3g/t
- 30% of 2017 holes intersected 30 gram metres or more

Repeatable high grades – Underground mining potential

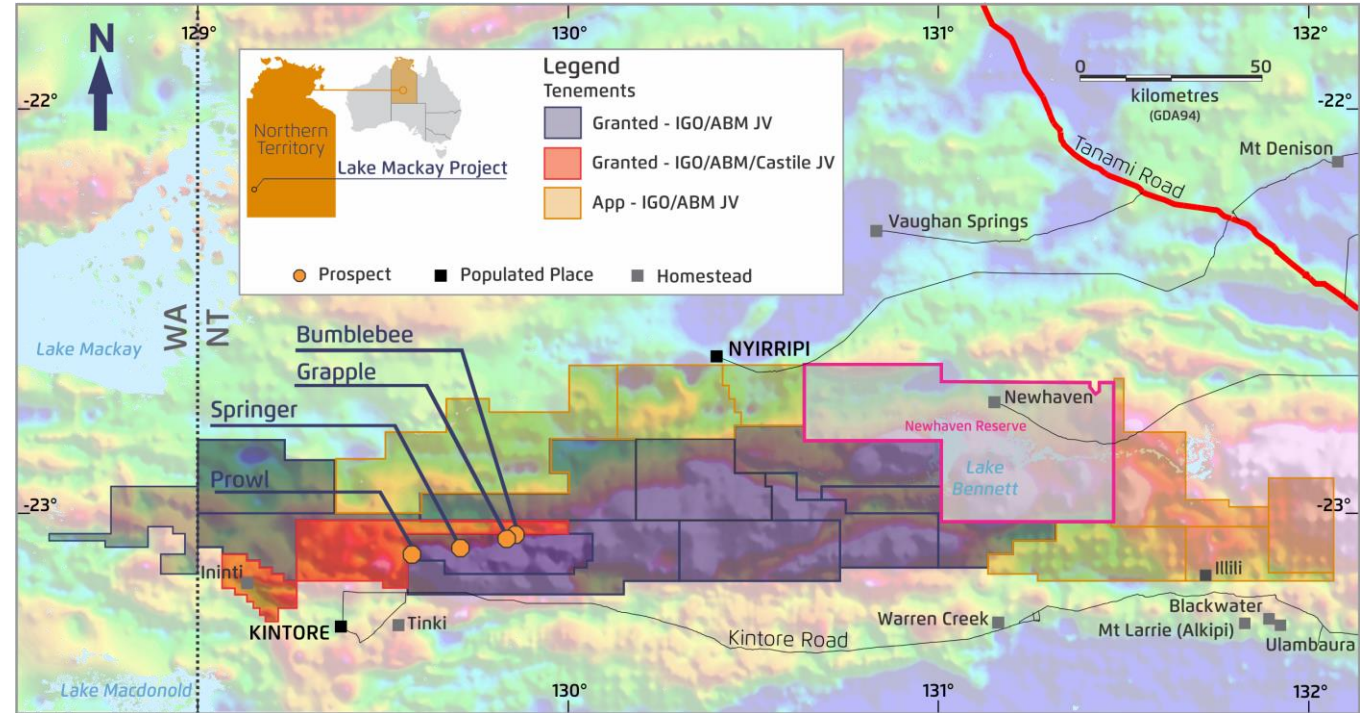
# Lake Mackay Project - Gold and Base Metal Exploration



*Systematic exploration program currently being executed and funded by IGO*

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- A belt scale opportunity with the potential to host gold and base metal deposits
- IGO to fund \$6 million by May 2020 to earn a 70% interest
- To date IGO have completed an initial screening of only 4% of the project area and have demonstrated the prospectivity of Lake Mackay with high grade results



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.

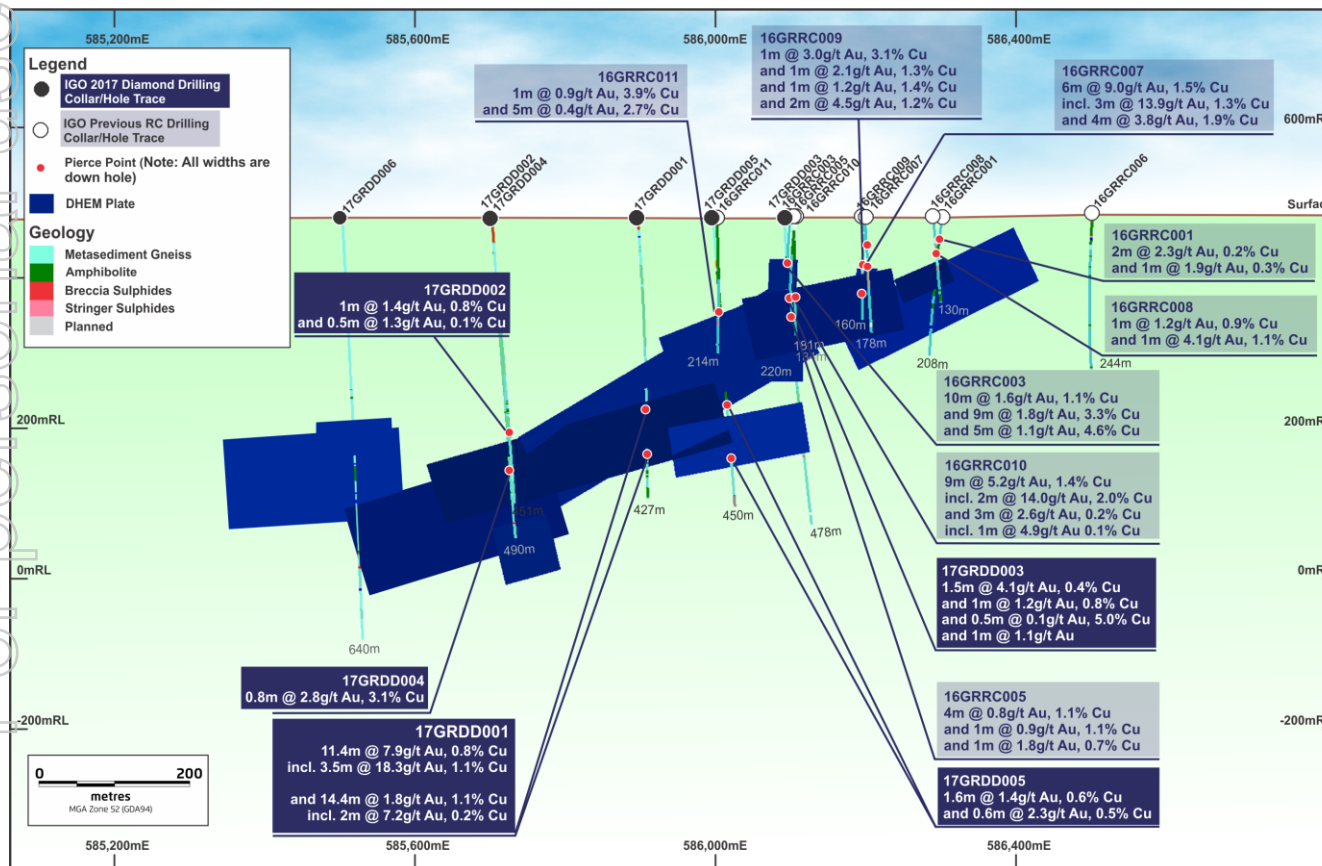
Ground electromagnetic survey and initial drilling identified mineralisation (9/12 holes anomalous at Grapple):

- Bumblebee** (15LMAC031)<sup>1</sup>: 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** (16GRRC007)<sup>2</sup>: 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** (16GRRC010)<sup>2</sup>: 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
- Grapple** (17GRDD001)<sup>2</sup>: 11m at 7.9 g/t gold, 20.7 g/t silver, 0.8% copper, 0.5% lead, 1.1% zinc and 0.1% cobalt

<sup>1</sup>ASX 6 October 2015  
<sup>2</sup>ASX 20 December 2016

## 6 hole diamond drilling program completed<sup>1</sup>

- First diamond hole 17GRDD001 intersected 11.4m @ 7.9 g/t gold, 20.7g/t silver, 0.8% copper, 1.1% zinc, 0.5% lead and 0.1% cobalt
- 6 hole program extended strike length to 800 metres and open to the west

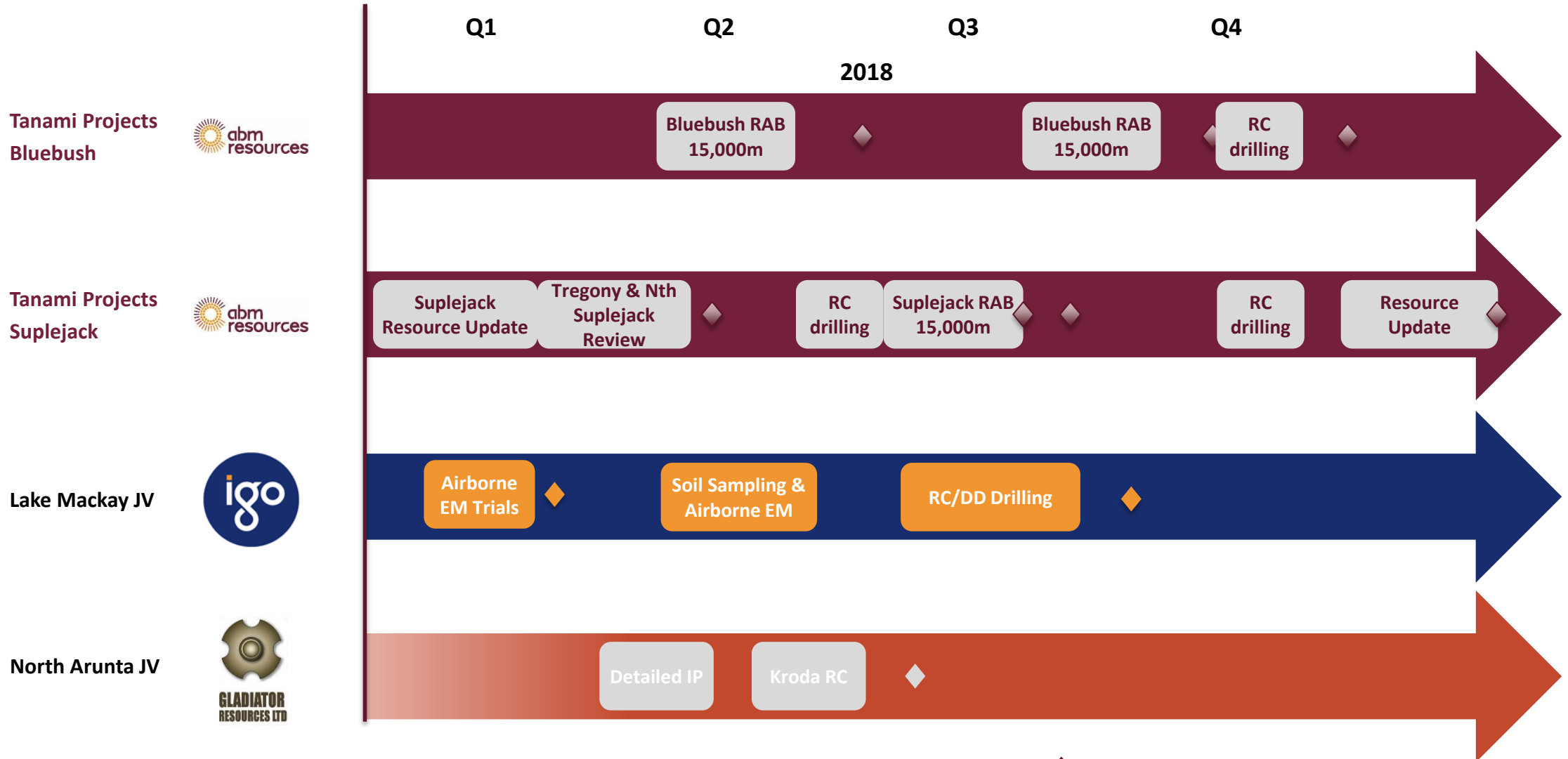


17GRDD005 - pyrrhotite-chalcopyrite breccia

Hole Name	From (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)
<b>17GRDD001</b>	284.9	11.40	7.9	20.7	0.8	1.1	0.5
<b>including</b>	288.8	3.45	18.3	13.1	1.1	0.3	0.2
<b>17GRDD001</b>	348.0	14.40	1.8	6.0	1.1	0.3	0.1
<b>including</b>	348.0	2.00	7.2	1.0	0.2	0.1	0.0

# Future Activities

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◆ Announcement

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

### ✓ Large contiguous tenure over under-explored gold district

- Over 8,000km<sup>2</sup> of granted tenure<sup>§</sup>
- Over 13,000km<sup>2</sup> application tenure<sup>§</sup>
- Located in belts containing major gold deposits e.g. Callie (Newmont) and Groundrush (Northern Star/Tanami Gold)
- >1.0 million ounces of Mineral Resources

### ✓ A team with a demonstrated track record of discovery

- Highly qualified and motivated management and exploration team involved in several major gold discoveries
- Significant experience operating in the Tanami region
- Focus on progressing 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 2017 ~\$2.4 million cash excluding \$2.3 million cash reserved for required cash backing of environmental bonds
- A strong focus on putting \$\$ in the ground
- 46% of the company's shares held by top four long term investors

### ✓ Focus exploration within the Tanami Project

- Extend and delineate mineralisation at the Suplejack project
- Systematically explore and drill test targets at the Tanami project

### ✓ Successful Lake Mackay JV

- Independence Group NL has successfully demonstrated Lake Mackay<sup>1</sup> is an emerging metallogenic province

### ✓ Rationalise portfolio to drive value

- Divest or farm-out the early stage target areas and Resource projects

ABM Resources has what an explorer needs and a producer wants

# Contacts

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ASX:ABU

Managing Director – Matt Briggs

CFO & GM Corporate – Jutta Zimmermann

Chairman – Tommy McKeith

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## *Exploring for >1Moz Callie style deposits in the Tanami*

- Systematic work plan prioritising large scale targets (>1Moz)
- Review geochemistry with gravity and magnetic anomalism critical for predictive targeting
- Field mapping, geochemistry, alteration mapping, geophysics, structural interpretation
- Prospectivity analysis to drive acquisition of new geophysics and focus areas
- Ranking of Prospects
  - Geological parameters
  - Strength of anomalism
- Progress compelling high ranked targets



- Future work programs include:
  - Magnetics and soils over large scale conceptual targets
  - Reconnaissance RAB (1km x 1km AC/RAB)
  - Anomaly definition (infill AC)
  - Advanced targets (RC & DD)

Bluebush to be aggressively drilled in 2018  
Screen all priority project areas in the next 3 years  
145,000m of bedrock AC drilling planned





## Old Pirate Mineral Resource Estimate by Classification (Au > 1g/t)

Old Pirate Resource estimation at 1g/t cut-off			
Category	Tonnes (Mt)	Grade (g/t Au)	Contained Ounces
Indicated	0.04	4.6	6,500
Inferred	0.72	4.7	108,500
<b>Total</b>	<b>0.76</b>	<b>4.7</b>	<b>114,900</b>

*Resources may not sum to equal totals due to rounding. Refer to announcement 19 August 2016.*

## Buccaneer Mineral Resource Estimate by Classification (Au > 1g/t)

Buccaneer Higher Grade Zone Resources at 1g/t cut-off			
Category	Tonnes (Mt)	Grade (g/t Au)	Contained Ounces
Indicated	1.2	1.67	65,000
Inferred	8.8	1.84	521,000
<b>Total</b>	<b>10.0</b>	<b>1.82</b>	<b>586,000</b>

*Resources may not sum to equal totals due to rounding. Refer to announcement 1 September 2017.*

# Appendix C – Suplejack Resource Estimate



## Suplejack Mineral Resource Estimate Feb 17 by Classification and Domain

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.

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