

# Tanami Region - Unlocking the Discovery Potential

**AGM Presentation** 

November 2017

Matt Briggs
Managing Director



## Important Information & Competent Person



#### **IMPORTANT INFORMATION**

This presentation has been prepared by ABM Resources NL ("ABM" or the "Company"). This presentation is for information purposes only and should not be considered as an offer or invitation to subscribe for or purchase any securities in the Company or as an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this presentation.

This presentation contains forecasts and forward looking statements and information which are based on internal business data and information obtained from external sources. Forward looking statements may be identified by the use of words such as "anticipate", "expect", "estimate", "planned", "forecast", "likely", "intend" and other similar expressions. Such forecasts and information are not a guarantee of future performance and involve unknown risks, uncertainties and contingencies which may impact future outcomes on the Company. Actual results and developments will therefore almost certainly differ materially from those expressed or implied. ABM has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this presentation. Accordingly, to the maximum extent permitted by law, ABM makes no representation and gives no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this presentation.

The information in this presentation is given in summary form and does not purport to be all inclusive or contain all information which you may require in order to make an informed assessment of the Company's prospects. Nothing contained in this presentation constitutes investment advice, financial product advice or legal, tax, accounting or other advice, nor does it take into account the financial situation, objectives or needs of any person. ABM is not licensed to provide financial product advice.

You should not act or refrain from acting in reliance on this presentation material. You should conduct your own investigation, perform your own analysis and obtain independent professional advice, in order to satisfy yourself as to the accuracy and completeness of the information, statements and opinions contained in this presentation and in making any investment decision in respect of ABM.

#### **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.

## **Investment Thesis**



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

**Unique Greenfields and Brownfields Exploration Portfolio** 



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

Quality Resources - +1Moz and Growing



- Existing 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
- North Arunta Exploration Agreement executed with Thunderbird Metals

**Strong Investor Support** 



- ~\$3.7 million cash at 30 September 2017 (excluding A\$2.5m cash reserved for environmental bonds)
- 46% of the company's shares held by top four long term shareholders

## Section 1

# Overview

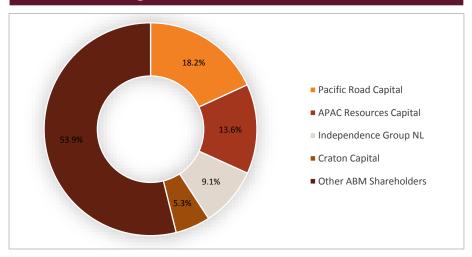
# **Corporate Overview**



Capital Structure	
Shares on Issue	375.2m
Unlisted options	21m
Net Cash <sup>1</sup>	A\$3.7m
Market Cap <sup>2</sup>	A\$35m

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>



<sup>&</sup>lt;sup>1</sup> Available cash excludes A\$2.5m cash reserved for required cash backing of environmental bonds as at 30 September 2017

## **Historical Share Price**



<sup>&</sup>lt;sup>2</sup> Based on closing share price of \$0.094 as at 28 November 2017

<sup>&</sup>lt;sup>3</sup> Substantial shareholders as at 31 October 2017

# A Portfolio of Opportunities



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

### 1. Tanami Ground Package

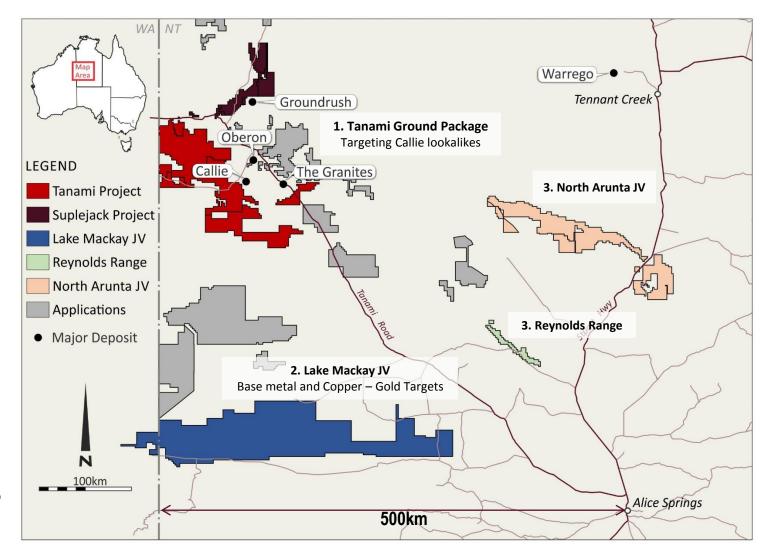
- 6 drill programs in 2018 + geophysics
- Same corridors as Callie 12Moz (NEM) and Groundrush 1.7Moz (NST)
- Extensive tenement package
- >1Moz of Resources within 100km of mills
- Low exploration intensity
- Large scale anomalies not bedrock tested

### 2. Lake Mackay JV - IGO

- Cu-Au and Orogenic Au potential
- Only 4% screened with EM
- 2 of 5 targets tested hit mineralisation

### 3. North Arunta & Reynolds Range

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



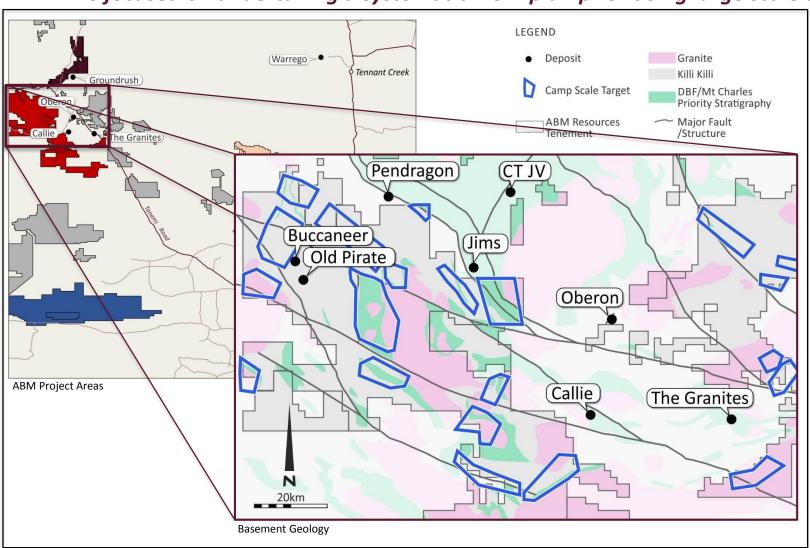
## Section 2

# Tanami

## Tanami – The Hunt for the Next Callie



## ABM is focused on undertaking a systematic work plan prioritising large scale targets (>1Moz)



### **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>
- Discovery through bedrock geochemistry and >50ppb gold anomaly under cover

### **ABM's Prospective Tenure**

- Same structural corridors and rocks as world class Callie
   12Moz (NEM) and Groundrush 1.7Moz (NST)
- Proximal to regional structures that control the major deposits
- Divested by Newmont in 2010 before they "unlocked" the geology at Callie Mine
- Low exploration intensity underexplored
- Large scale anomalies not bedrock tested many with coincident arsenic and/or gold anomalism

<sup>1</sup>NEM 2016 Annual Report

# Limitations of Historical Exploration on the Tanami Project

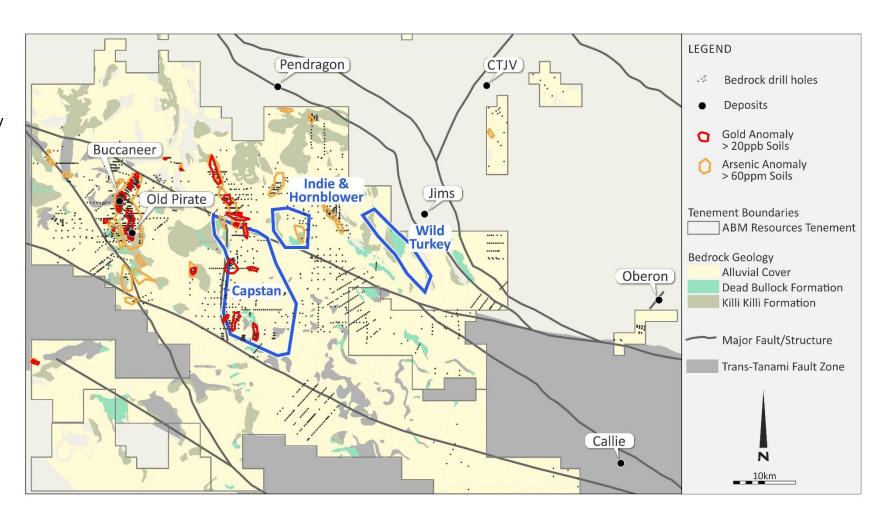


# Bedrock testing required to detect Callie style systems

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

### Limited bedrock testing undertaken historically

- Only tested residual anomalies and direct extensions
- Majority of areas with cover have no bedrock testing
- 78% of tenure does not have a single RC or Diamond hole



# **Exploration Strategy**

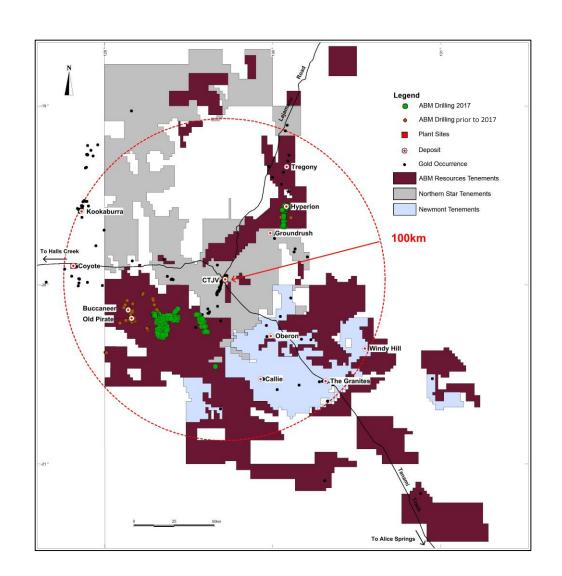


## Exploring for >1Moz Callie style deposits in the Tanami

- 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



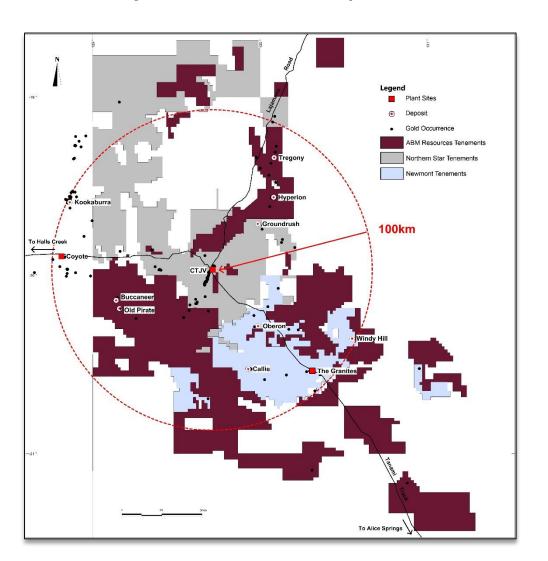
- Future work programs include:
  - Magnetics and soils over large scale conceptual targets
  - Reconnaissance RAB (1km x 1km AC/RAB)
  - Anomaly definition (infill AC)
  - Advanced targets (RC & DD)



# +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 100km of mills
- Strategic Suplejack resource (4.5Mt at 2.1g/t for 310koz of gold ) located only
   19km from Groundrush and 58km from Central Tanami JV Plant (Northern Star)
- Growth potential on all Resources 1,600m RC Program completed at Suplejack
- Negotiations on divestments are continuing

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

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

## Section 3

# 2017 Activities

# South Suplejack Progress



### **2017 Aims**

- Screen for other target positions
- Define shoot controls
- Resource growth



2016 2017 2018

**Diamond Drilling** 

- 7 holes
- 1,906 metres

Suplejack Resource Update

- RC Drilling
   22 holes
- 3,952 metres

**AC Drilling** 

• 179 holes

Geochem study cofunded with the CSIRO and Dept. of Industry

- RC Drilling
   10 holes
- 1,608 metres

Suplejack Resource Update

Lithological control of grade recognised

Seuss

13m @ 5.6g/t Hyperion South 9m @ 5.4g/t Supplejacl

4.5Mt @2.1g/t for 310ko

- Increase of 53%
- First indicated Resource
- First resource on Seuss

Seuss drilled over 300m

5m @ 60.9g/t

6m @ 19.4g/t

3m @ 19.9g/t

8m @ 5.4g/t

7m@ 4.7 g/t

Shoot controls defined ~

Tested 6 target areas 🗸

Seuss structure defined over 800m

Extensions to Hyperion South & Stoney Ridge

Suplejack confirmed to be Mt Charles Fm.

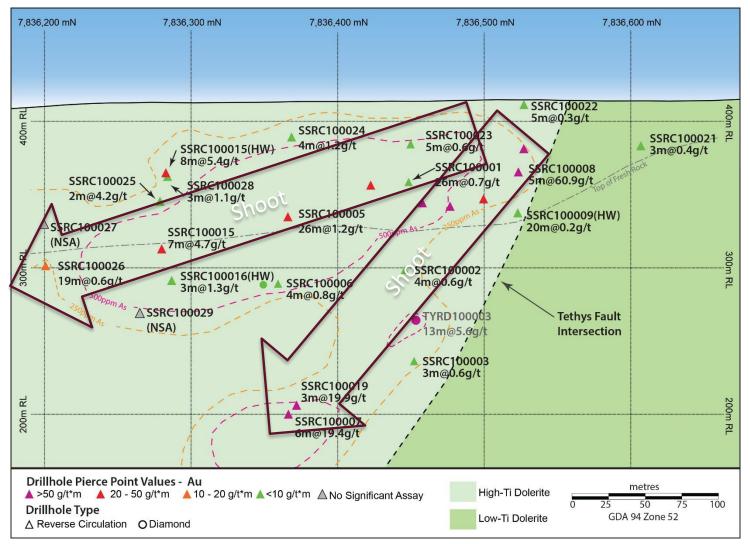


Quartz breccia in RC chips

# Suplejack Project - Seuss High Grade Discovery



### Drilling for strike extensions and additional shoots

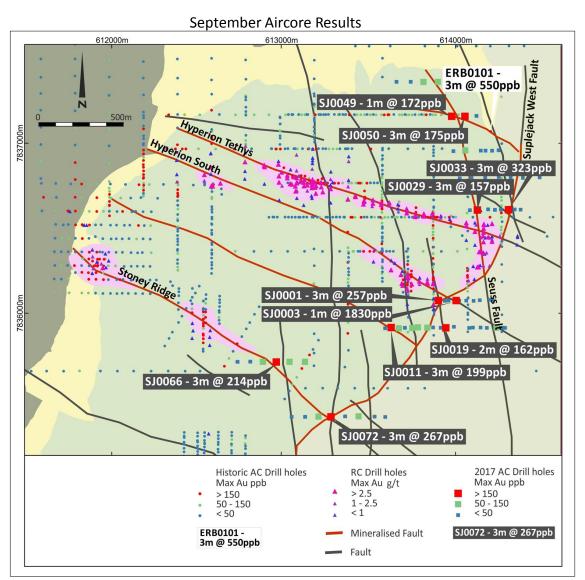


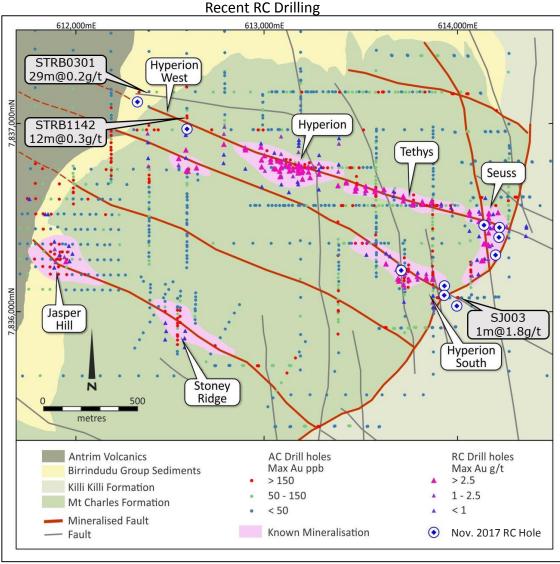
- New structure recognised by combining structure and stratigraphic controls of mineralisation
- Anomalism demonstrates multiple similar targets and extensions
- Shallow, oxide and sulphide hosted high grade faults
- Recently extended to >800 metres strike in aircore drilling
- Open along strike and down plunge
- June 2017 RC drill results<sup>1</sup> suggest underground potential
- Results include:
  - SSRC100008 5 metres at 60.9g/t gold
  - SSRC100007 6 metres at 19.4g/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
  - An additional 1,600m RC drilling program has been completed

<sup>1</sup>ASX 8 June 2017

# Suplejack Resource Extension Targets







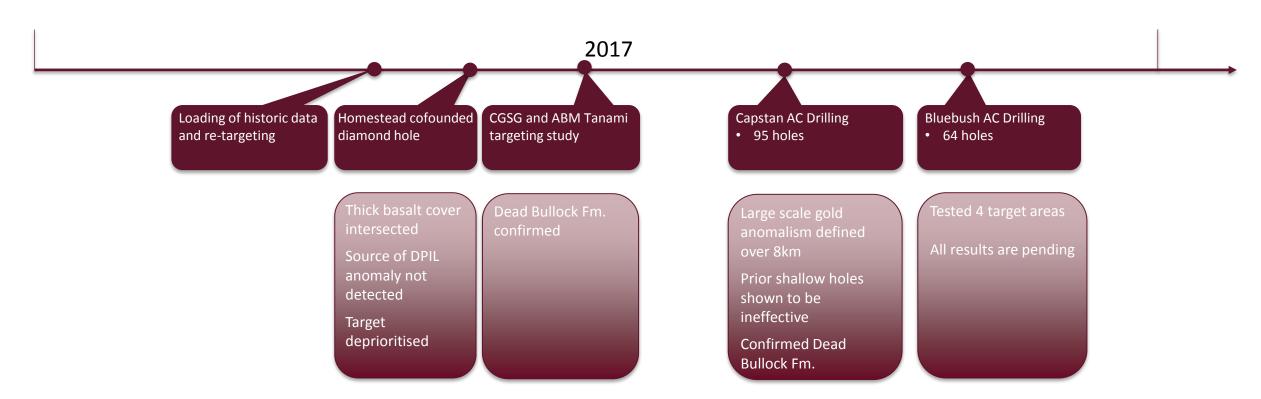
# **Bluebush Progress**



### **2017 Aims**

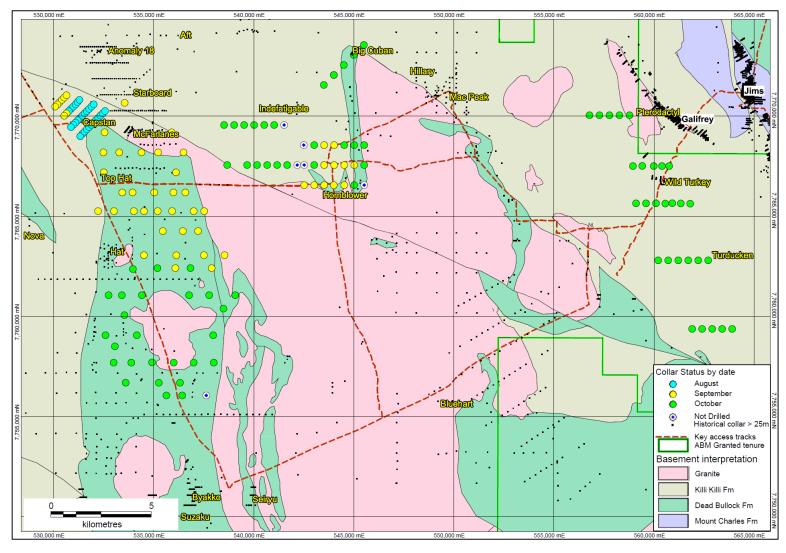
- Test DPG anomaly
- Re-target with updated Database
- Commence systematically screening priority targets





# Bluebush Drilling

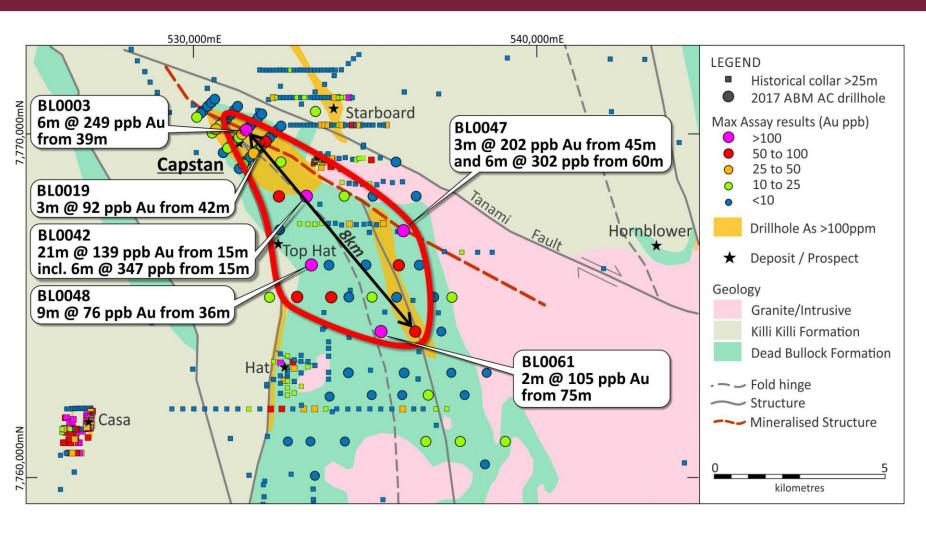




- Folded Dead Bullock Fm. in faulted antiform hinges
- Same rock type and structural setting as the Callie Mine
- 5 Targets tested 159 holes completed late October
- Rapidly screening priority target areas
- Wide spaced and targeted drilling
- Results for Wild Turkey, Big Cuban, Indefatigable & Hornblower expected in Q4

## Strategy Yielding Results at Capstan





### **Capstan Results**

- 8km of bedrock gold anomalism<sup>1</sup>
- Thick intersections
- Same rocks and structural setting as Callie
- Aggressively drill at the start of 2018
- Demonstrates historic post and vacuum drilling is ineffective

## Section 4

# Lake Mackay JV

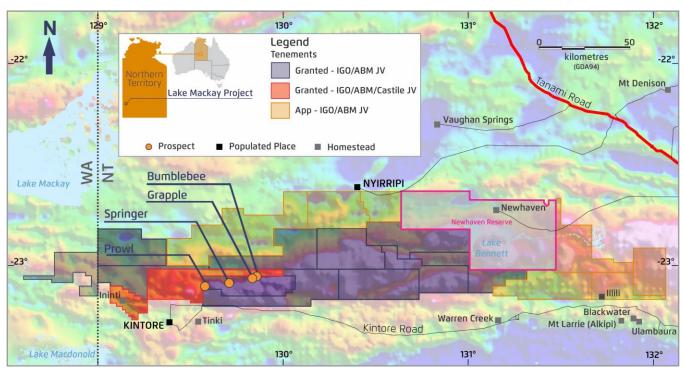
# Lake Mackay Project - Gold and Base Metal Exploration





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

- 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
- Remainder of 2017 activities:
  - Soil sampling
  - Orientation airborne EM



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

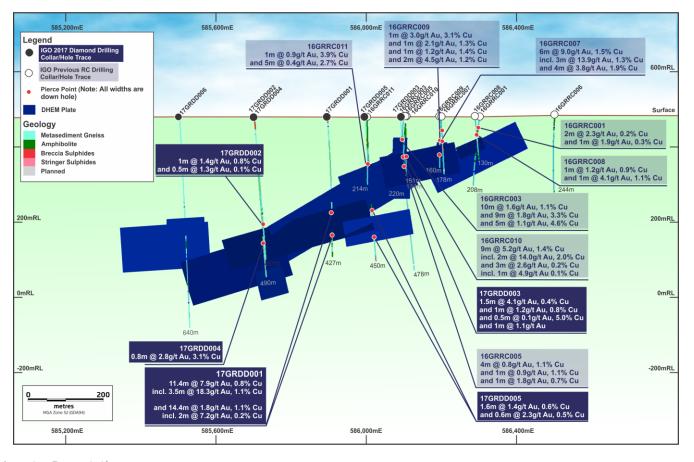
# Grapple Results





## 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

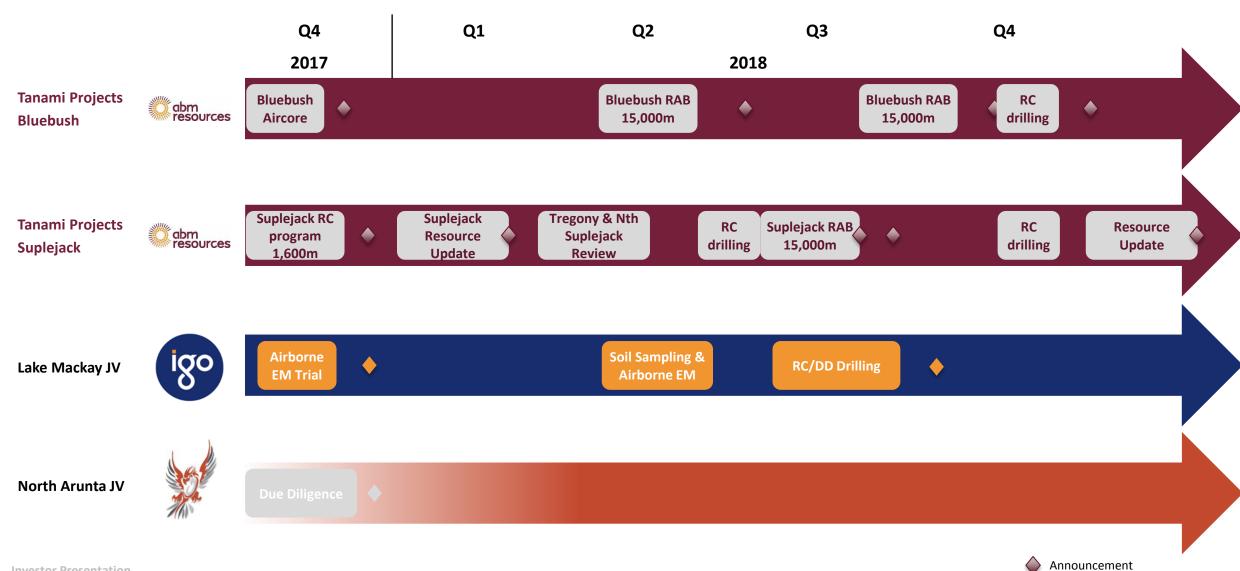
Hole Name	From (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)
17GRDD001	284.9	11.40	7.9	20.7	0.8	1.1	0.5
including	288.8	3.45	18.3	13.1	1.1	0.3	0.2
17GRDD001	348.0	14.40	1.8	6.0	1.1	0.3	0.1
including	348.0	2.00	7.2	1.0	0.2	0.1	0.0

## Section 5

# Forward Program

## **Future Activities**





## Q4 Announcements



- Grapple Diamond drilling results
- Suplejack RC drilling underway
- Capstan Reconnaissance aircore results
- Lake Mackay JV airborne EM trial
- Wild Turkey aircore results
- Indie/Hornblower aircore results
- Suplejack RC Results

# Investment Highlights



## 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 8,000km² of granted tenure§
- 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 30 September 2017 ~\$3.7 million cash excluding A\$2.5m 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

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

<sup>§</sup> ABM managed tenure

## Contacts

# WWW.ABMRESOURCES.COM.AU

admin@abmresources.com.au

Tel +61 8 9423 9777

# **ASX:ABU**

Managing Director – Matt Briggs

CFO & GM Corporate – Jutta Zimmermann

Chairman – Tommy McKeith



## Section 6

# Appendices

## Appendix A - Experienced Management



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



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

- 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 AuslMM

- 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
Alwin van Roij	Senior Exploration Geologist

#### **Consultants**

James Davis	Generative Geologist
Oliver Kreuzer (CGSG)	Generative Geologist

# Appendix B – Old Pirate & Buccaneer Resource Estimate



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					
Total	0.76	4.7	114,900					

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					
Total	10.0	1.82	586,000					

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 E	stimate -	- February 2	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	
				Oxide					
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
Total	0.04	1.7	2,300	0.42	2.65	35,400	0.46	2.56	37,700
			T	ransitional					
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
Total	0.30	1.69	16,400	1.00	2.17	70,800	1.32	2.06	87,200
				Fresh					
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
Total	0.59	2.72	51,600	2.15	1.93	133,400	2.74	2.10	184,900
			De	posit Total					
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
Total	0.93	2.34	70,200	3.58	2.08	239,600	4.51	2.14	309,900

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.

## Focus of Activities for 2018

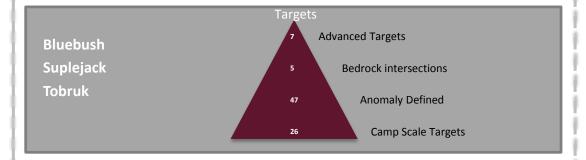


## Multiple Targets to be tested (>1Moz)

## **ABM Core Focus**

### Tanami – Area Of Operational Focus

- Consolidate 1Moz of Suplejack Resources by screening for additional shoots
- · Bedrock test of large scale anomalies
- Regional reconnaissance exploration program targeting Callie scale mineralised systems



**Activity** 

Area

Aim

145,000 metres of RAB/Aircore + Geochemistry
Targeted RC and DD

Tanami Focus

## **Partnered Assets**

### Lake Mackay JV (IGO)

Develop understanding of the emerging mineral province

### **Divest or JV**

Expedite discovery or source external funding

Lake Mackay

Old Pirate
Buccaneer
North Arunta
Reynolds Range

Airborne & Ground EM
Soil Sampling
RC/DD Drilling

Exploration Agreement executed for North Arunta

Targeting additional JV or divestment

**Expedite Discovery or funding**