

Sydney Mining Club - Leading Edge

# DRILLING FOR A TIER 1 GOLD-COPPER DISCOVERY

*Advanced project portfolio - drill ready targets along strike from two of Australia's largest gold - copper mines*

4 March 2021



# Investment Highlights



## EAST LACHLAN – WORLD CLASS GOLD-COPPER PROVINCE

### Two of Australia's largest gold-copper mines

- ✓ >80Moz Gold (Au) and >13Mt Copper (Cu) regional endowment \*
- ✓ **Cadia Valley District** – Au-Cu Porphyry Cluster / Cadia East Mine (Newcrest)
- ✓ **Northparkes District** – Cu-Au Porphyry Cluster / E48 / E26 Mines (CMOC/Sumitomo)
- ✓ **Cowal Gold Mine / Corridor** – Epithermal Au + Porphyry Cluster (Evolution)
- ✓ **Tomingley Gold Mine / Corridor** – Orogenic Au (Alkane)
- ✓ Recent discoveries



## DRILLING ALONG STRIKE FROM AUSTRALIA'S LARGEST GOLD PRODUCER – CADIA EAST

### Drill testing multiple high priority Au-Cu targets at Wellington North Project

- ✓ Priority drill ready target identified at Rose Hill, inc. **71m @ 0.30g/t Au, 0.42% Cu, 57ppm Mo from surface**
  - Equivalent intercept grades to Cadia East mine resource<sup>#</sup>
- ✓ High impact AC/RC drill program commenced at Boda South, Rockleigh, Rose Hill and Lady Ilse targets
- ✓ Wellington North Project essentially surrounds Alkane's ASX:ALK Boda Au-Cu discovery
  - Lady Ilse widespread gold anomalism identified typical of early stage Boda style Au-Cu discovery



## DRILLING ALONG STRIKE FROM NORTHPARKES COPPER-GOLD MINING DISTRICT

### Compelling Northparkes Cu-Au lookalike at Myall Project

- ✓ Drilling down dip from significant existing intercepts, akin to Northparkes Mine Resource grade<sup>+</sup>,
  - **70m @ 0.54% Cu, 0.15g/t Au from 141m and 62m @ 0.27% Cu, 0.13g/t Au from 260m (Kingswood)**
- ✓ Awaiting assays from recently completed drilling at Kingswood and SLR targets
- ✓ Multiple targets point to typical porphyry cluster setting



## OROGENIC GOLD TARGETS ALONG STRIKE FROM TOMINGLEY GOLD MINE AND RECENT DISCOVERIES

### Two priority orogenic gold targets within Parkes Fault Zone

- ✓ Stockmans and MacGregors near surface orogenic gold targets, 20km south from Alkane's ASX:ALK TGP, Roswell, San Antonio, El Paso discoveries
- ✓ Parkes Project exploration program planned for 2<sup>nd</sup> quarter



## AUSTRALIAN GOLD AND COPPER LIMITED ASX:AGC

### MAG major shareholder in high value drill ready central Lachlan portfolio

- ✓ High value - ranked - drill ready exploration targets, Cobar-style gold-polymetallic, Fosterville-style orogenic gold
- ✓ Demerger of Moorefield with high-quality drill ready acquisitions
- ✓ Listed on ASX 20 January 2021

\* Total metal endowment (Phillips 2017) # Cadia East - 2900Mt @ 0.35g/t Au, 0.26% Cu, 64ppm Mo (Total Resource, Newcrest 2020)  
+ Northparkes 605Mt @ 0.55% Cu and 0.19g/t Au (Total Resources, CMOC 2018)



# Corporate Snapshot



## CAPITAL STRUCTURE<sup>1</sup>

Shares on issue <sup>1</sup>	217,085,887
Share price 1 March 2021	\$0.145
Market Capitalisation <sup>1</sup>	\$31.48m
Cash <sup>1,2</sup>	\$6.9m
Options on Issue – unlisted Exercise price \$0.0722 to \$0.5772 expiry Oct 2022 to Feb 2023	49,500,000
Options on Issue – listed MAGOA Exercise price \$0.0722, expiry 30 August 2021	24,231,789

## BOARD OF DIRECTORS AND SENIOR MANAGEMENT

Executive Chairman	David Richardson
Managing Director	Peter Duerden
Non-Executive Director	David Berrie
Company Secretary	Andrea Betti
Exploration Manager	Steven Oxenburgh



## MAGMATIC SHAREHOLDING BLOCKS\*



<sup>1</sup> assumes completion of capital raising – refer to ASX MAG 3 March 2021

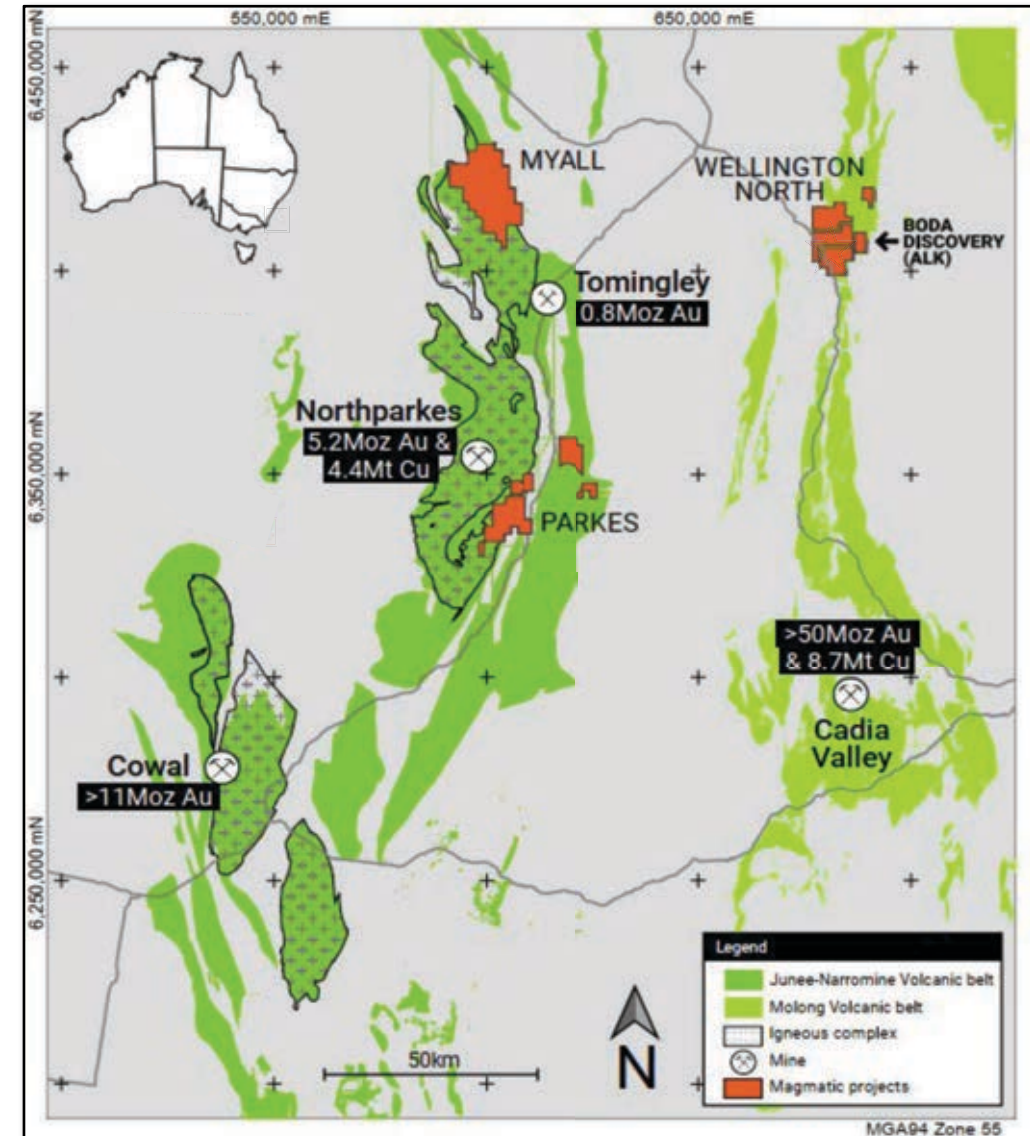
<sup>2</sup> Cash at Bank at 26 Feb 2021

# East Lachlan - A World Class Gold-Copper Province

Home to Australia's largest gold producer



- **World class gold-copper terrain, range of mineralisation styles**
- **>80Moz Gold (Au) and >13Mt Copper (Cu) regional endowment**
- **Major gold-copper mines:**
  - **Cadia East Gold-Copper Mine** (Newcrest):
    - World's largest alkalic gold/copper porphyry complex
    - Australia's top gold producer (Newcrest 2020)
  - **Northparkes Copper-Gold Mine** (China Moly/Sumitomo)
  - **Cowal Gold Mine** (Evolution)
  - **Tomingley Gold Mine** (Alkane)
- **Major discoveries:**
  - **McPhillamys Advanced Gold Development** (2.3Moz, ASX:RRL)
  - **Tomingley Discoveries** – Roswell (662koz, ALK ASX 4 November 2020, San Antonio (406koz, ALK ASX 16 February 2021)



\* Total metal endowment from Phillips 2017, CMOC 2018, Evolution 2019, Newcrest 2019

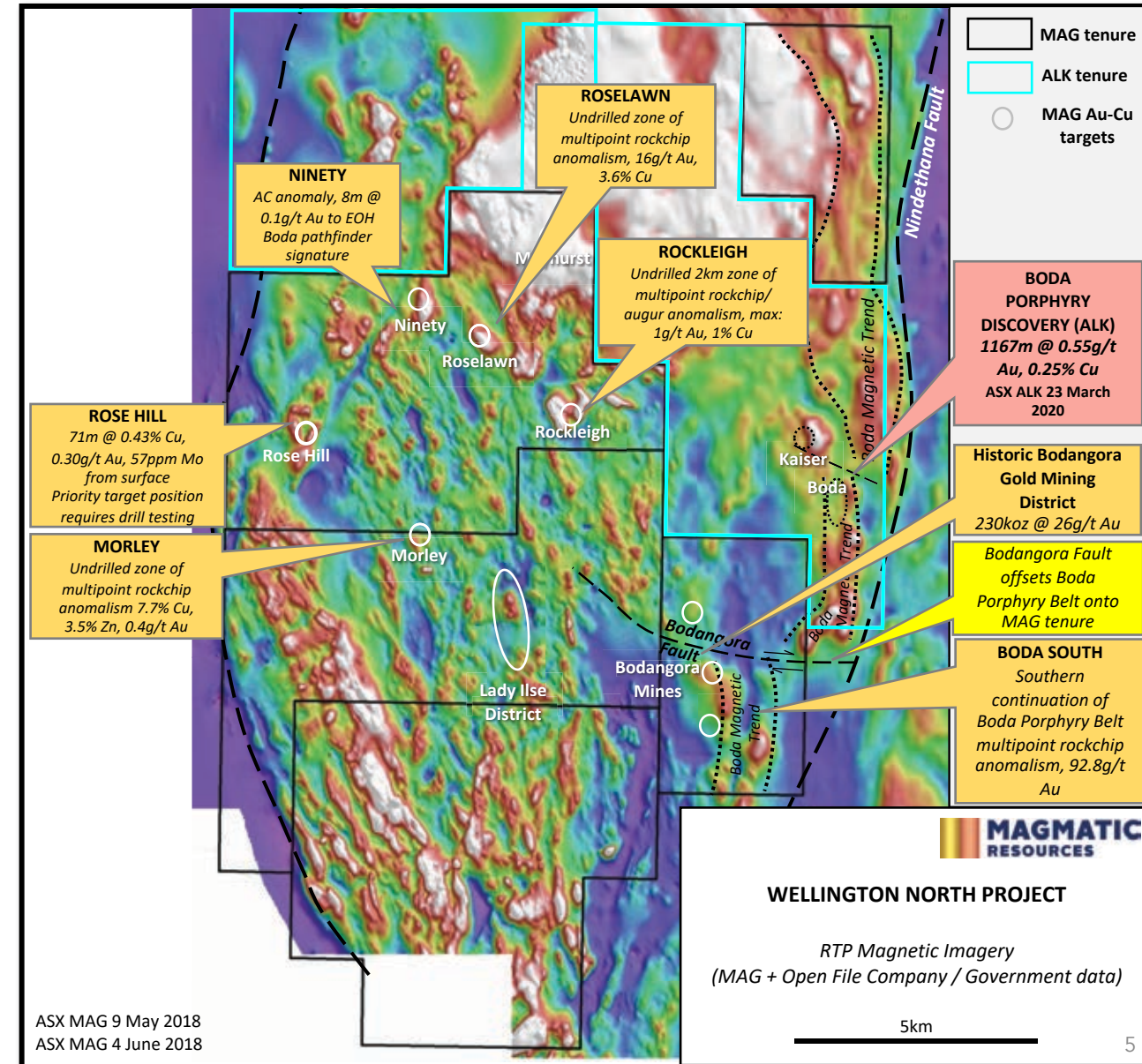


# Wellington North Gold-Copper Project

Advanced target portfolio surrounding major East Lachlan porphyry discovery



- Along strike from Australia's largest gold producer – Cadia East ASX:NCM
- Dominant position surrounding Boda discovery (ASX:ALK) - Boda indicates surface expression - gold-rich porphyry ± epithermal signature (ASX ALK 15 August 2017)
- Multiple advanced gold-copper targets:
  - ✓ **Rose Hill** - Au-Cu porphyry, interpreted priority target position remains to be tested inc. 71m @ 0.43% Cu, 0.30g/t Au, 57ppm Mo from surface (ASX MAG 17 May 2017)
  - ✓ **Boda South** - Au-Cu porphyry, along strike extensions of Boda Porphyry Belt, 230koz @ 26g/t Au, multipoint rockchip anomalism, inc. 92.8g/t Au (ASX MAG 17 May 2017, 9 May 2018)
  - ✓ **Lady Ilse** – widespread Au-Cu porphyry anomalism, under shallow (5-15m) cover
  - ✓ **Rockleigh** - open multipoint gold anomalism defined in augur, rockchips
  - ✓ **Morley** - Undrilled zone of multipoint rockchip anomalism 7.7% Cu, 3.5% Zn, 0.4g/t Au (ASX MAG 4 June 2018)
  - ✓ **Ninety, Mayhurst East and multiple other ranked gold – copper porphyry targets**



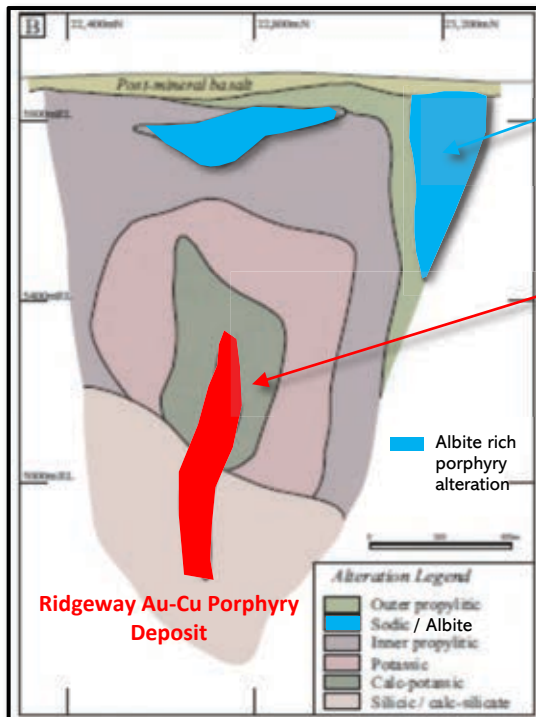
# Wellington North Gold-Copper Project

Drilling the priority target position at Rose Hill



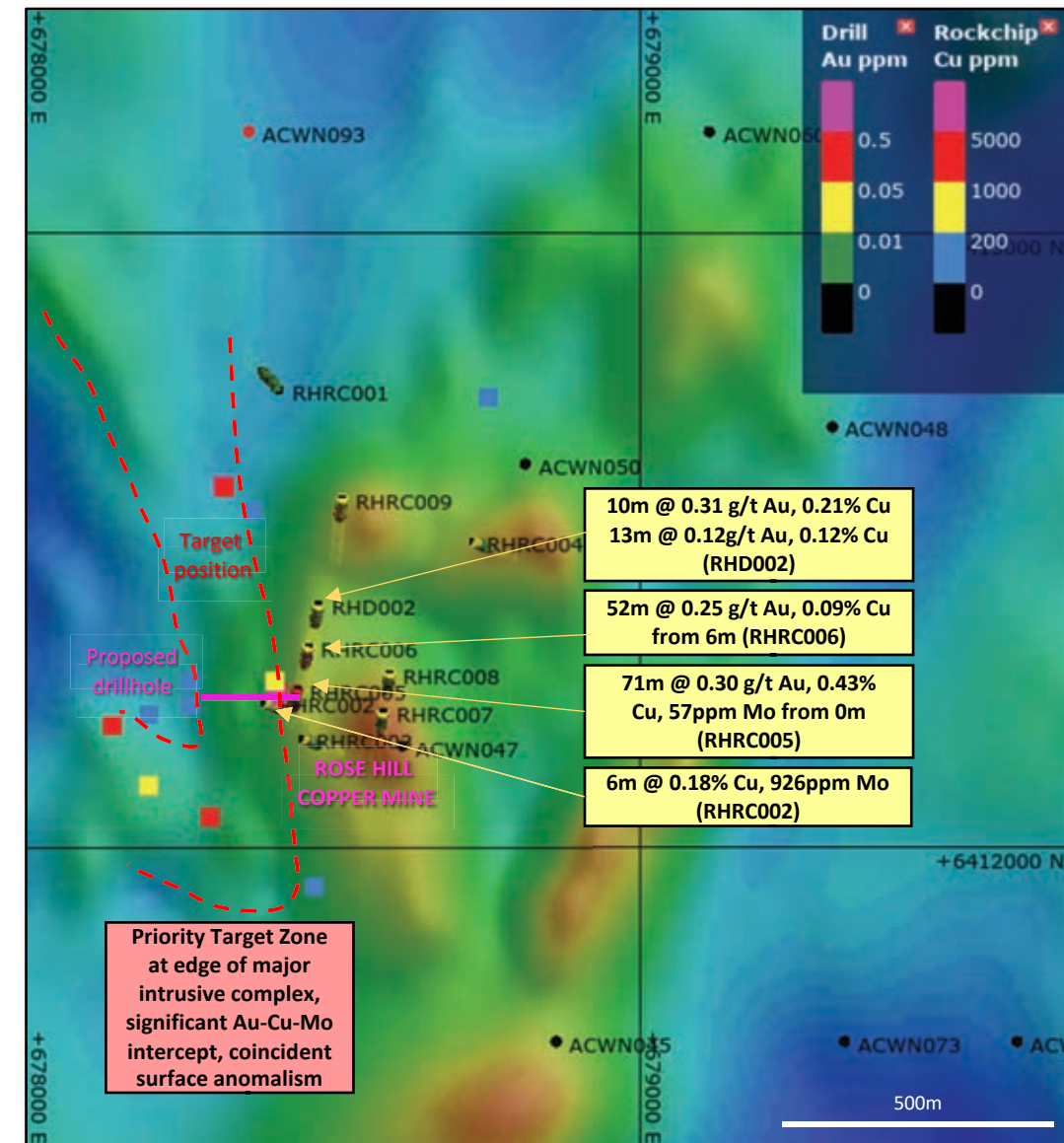
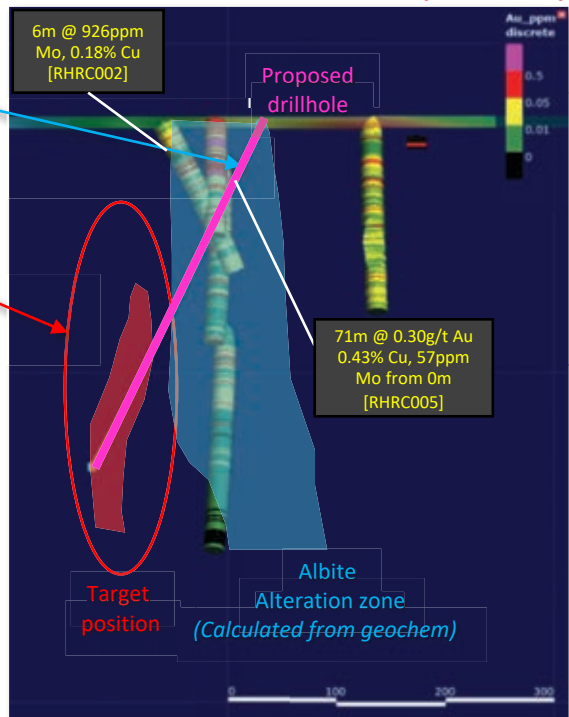
- Along strike from Australia's largest gold producer - Cadia East - 2900Mt @ 0.35g/t Au, 0.26% Cu, 64ppm Mo (Total Resource, Newcrest 2020)
  - ✓ **PRIORITY TARGET POSITION REMAINS UNTESTED** - western margin of strongly magnetic monzonite intrusive complex
  - ✓ **EXISTING SIGNIFICANT MINERALISATION** - 71m @ 0.30g/t Au, 0.42% Cu, 57ppm Mo from 0m (RHRC005)\*
  - ✓ **STRONG ALBITE PORPHYRY ALTERATION** - sodic alteration, typically present in upper levels/shoulders of East Lachlan gold-copper porphyry systems
  - ✓ **COINCIDENT SURFACE ANOMALISM** - multipoint rockchips > 0.1% Cu, AC Au anomalism

## RIDGEWAY PORPHYRY DEPOSIT, CADIA (ASX:NCM)



Adapted from  
Wilson 2003

## ROSE HILL PORPHYRY TARGET (ASX:MAG)



\* ASX MAG 17 May 2017

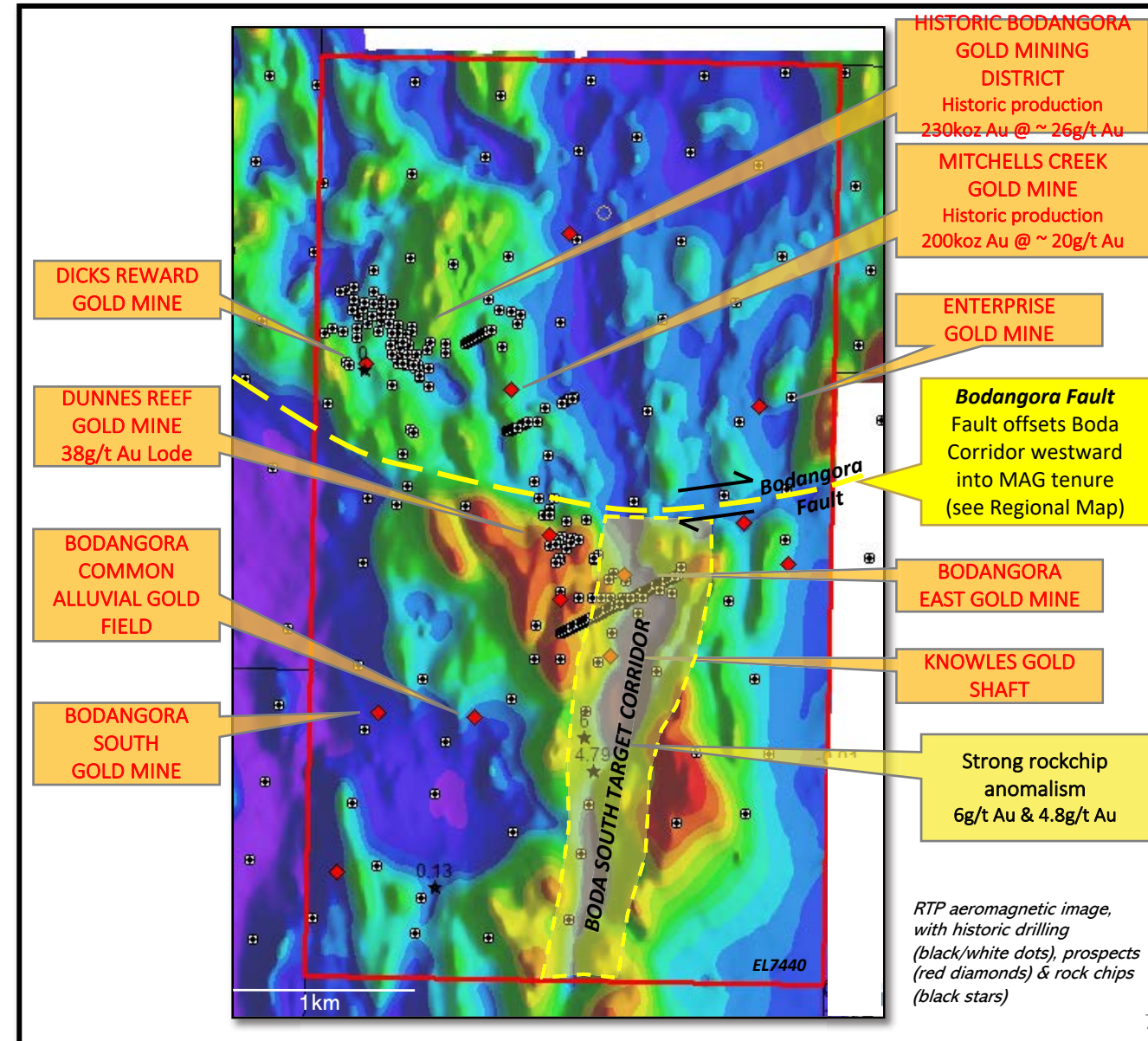
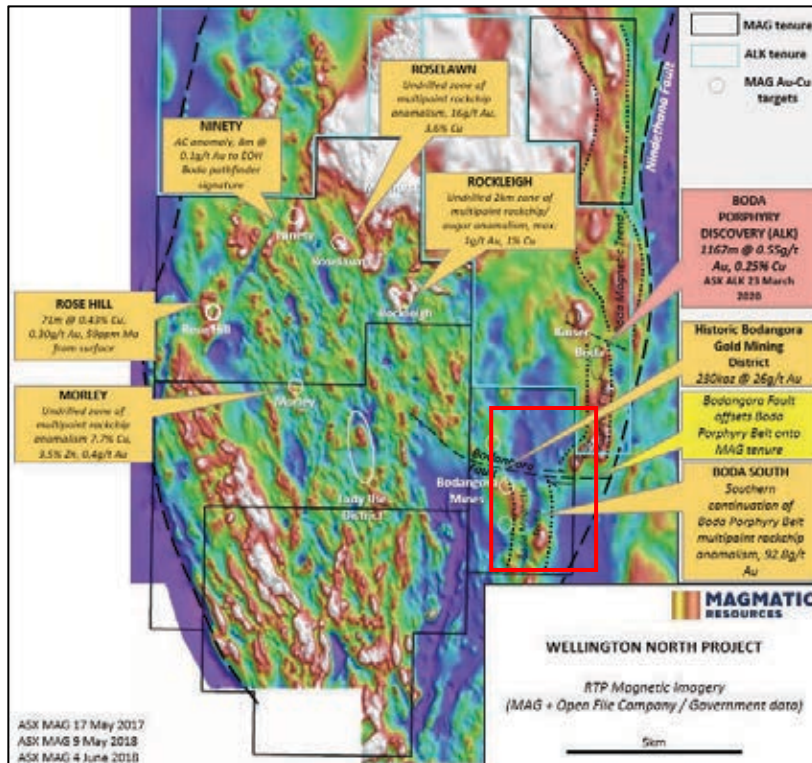


# Wellington North Gold-Copper Project

Imminent drilling along strike from Boda Discovery



- ~3km strike extension of prospective Boda Corridor (Boda South)
- Bodangora Fault displaces Boda Corridor westward onto MAG tenure
- Numerous historic gold mines/workings + strongly anomalous rockchips (6g/t, 4.8g/t Au) coincident with target area (ASX MAG 4 June 2017)
- Multipoint rockchip anomalism, inc. 92.8g/t Au at Bodangora (ASX MAG 9 May 2018). Historical mining 230koz Au @ 26g/t (ASX MAG 4 June 2017)





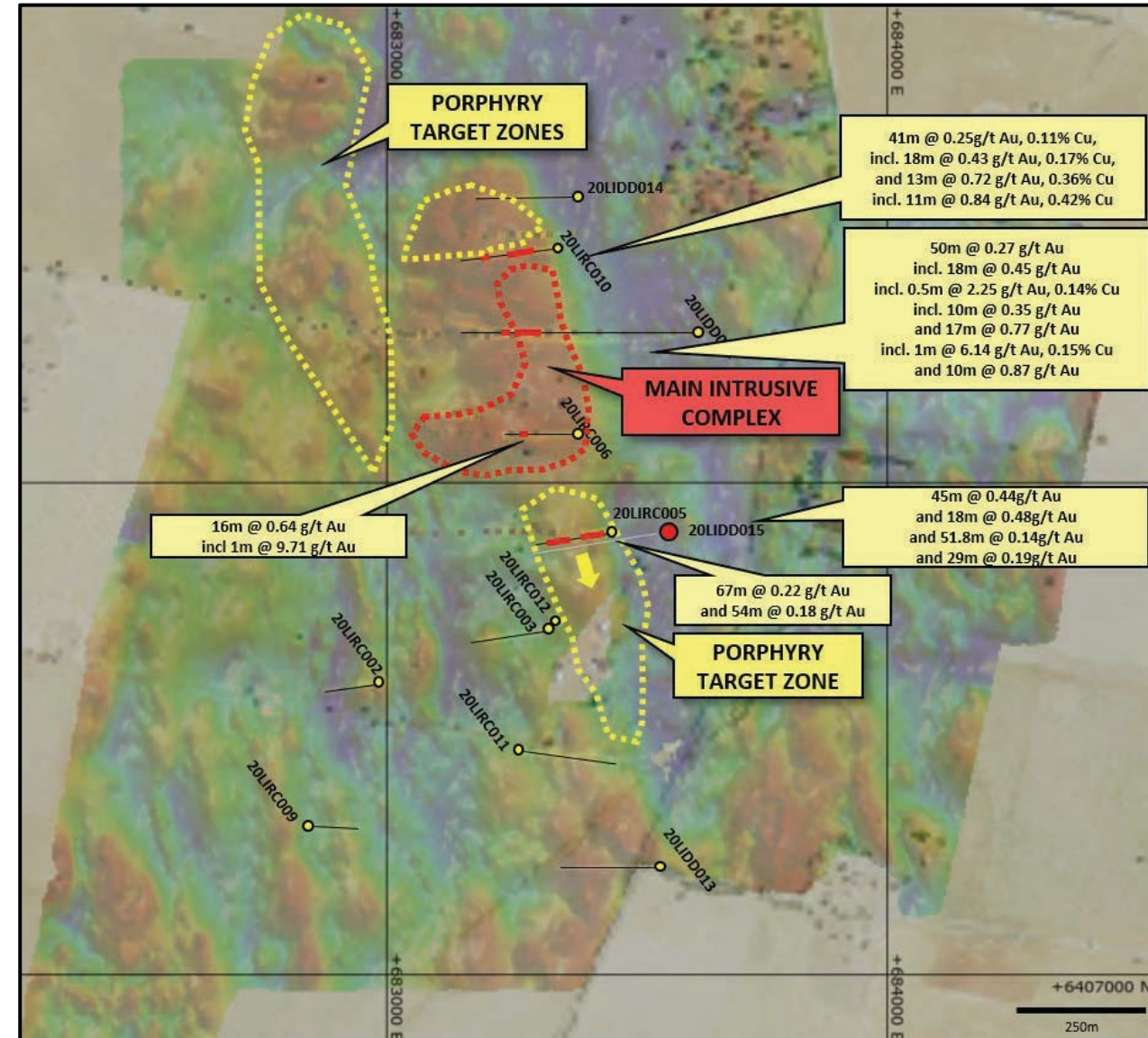
# Wellington North Gold-Copper Project

Defining large gold-copper system at Lady Ilse



- Identifying Boda-style Porphyry - Epithermal alteration - exploration signature (ref. ASX ALK 15 August 2017)
- Lady Ilse target:** pyrite-rich alteration zone - assess fertility of pyrite zone (RC drilling + porphyry pathfinder anomalism)

<b>20LIDD001</b>	<b>50m @ 0.27g/t Au, 0.04% Cu from 691m</b>
incl.	18m @ 0.45g/t Au, 0.08% Cu from 691m
and	<b>10m @ 0.87g/t Au, 0.06% Cu from 593m</b>
and	<b>17m @ 0.77g/t Au, 0.04% Cu from 803m</b>
incl.	1m @ 6.14g/t Au, 0.15% Cu from 819m
and	4m @ 1.11g/t Au from 948m
<b>20LIRC010</b>	<b>13m @ 0.72g/t Au, 0.36% Cu from 184m</b>
and	<b>41m @ 0.25g/t Au, 0.11% Cu from 103m</b>
<b>20LIRC005</b>	<b>67m @ 0.22g/t Au from 170m</b>
and	<b>54m @ 0.18g/t Au from 23m</b>
and	<b>23m @ 0.27g/t Au from 249m</b>
<b>20LIRC006</b>	<b>16m @ 0.64g/t Au from 166m</b>
incl.	1m @ 9.71g/t Au from 171m
<b>20LIDD015</b>	<b>45m @ 0.44g/t Au from 452m</b>
and	<b>18m @ 0.48g/t Au from 357m</b>
and	<b>51.8m @ 0.14g/t Au from 295.2m</b>





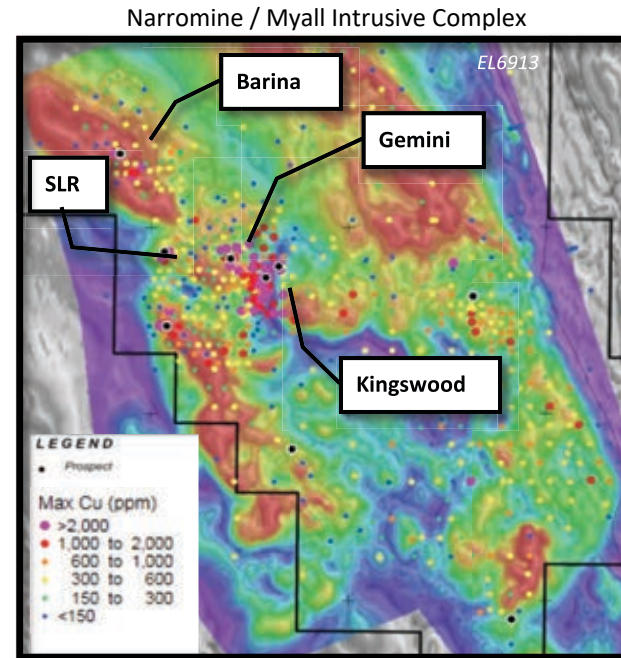
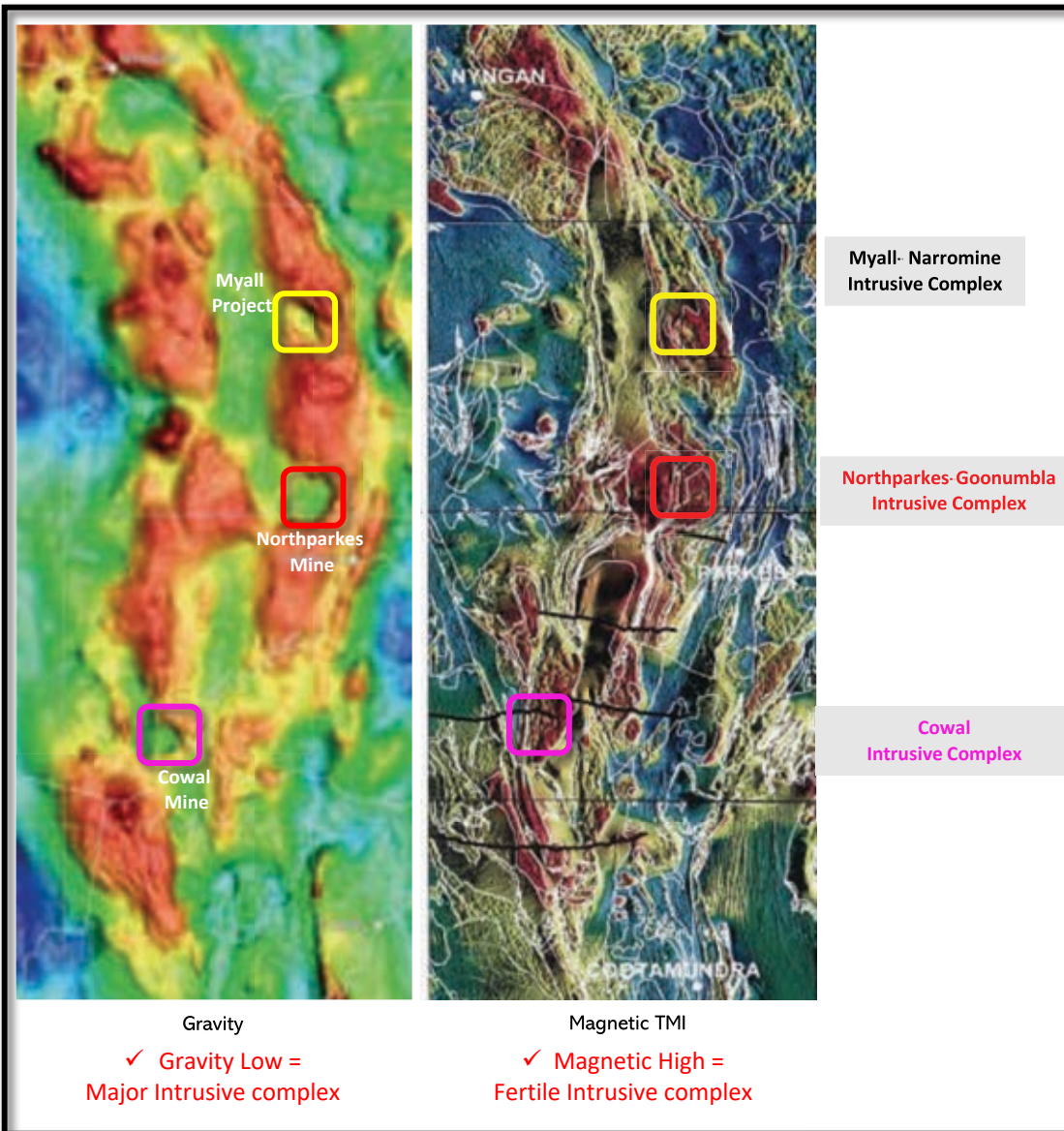
# Myall Copper-Gold Project

Northparkes copper-gold porphyry district lookalike



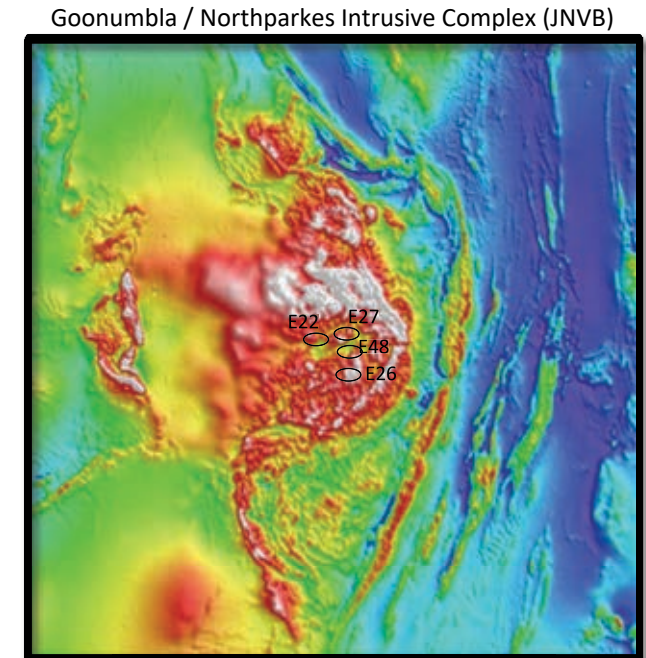
## NORTHPARKES COPPER-GOLD PORPHYRY DISTRICT LOOKALIKE

- 250km<sup>2</sup> project with multiple advanced targets
- Awaiting assays from recent drilling at Kingswood and SLR targets
- Myall-Narromine Intrusive complex, similar age, composition and dimensions to Northparkes Intrusive Complex, ~50km north of Northparkes Cu-Au mine
- Myall District has Northparkes gravity - magnetic signature – significant Cu-Au mineralisation
  - 70m @ 0.54% Cu, 0.15g/t Au from 141m and 62m @ 0.27% Cu, 0.13g/t Au from 260m



Bouguer Gravity RTP Mag

5 km



Bouguer Gravity RTP Mag

5 km

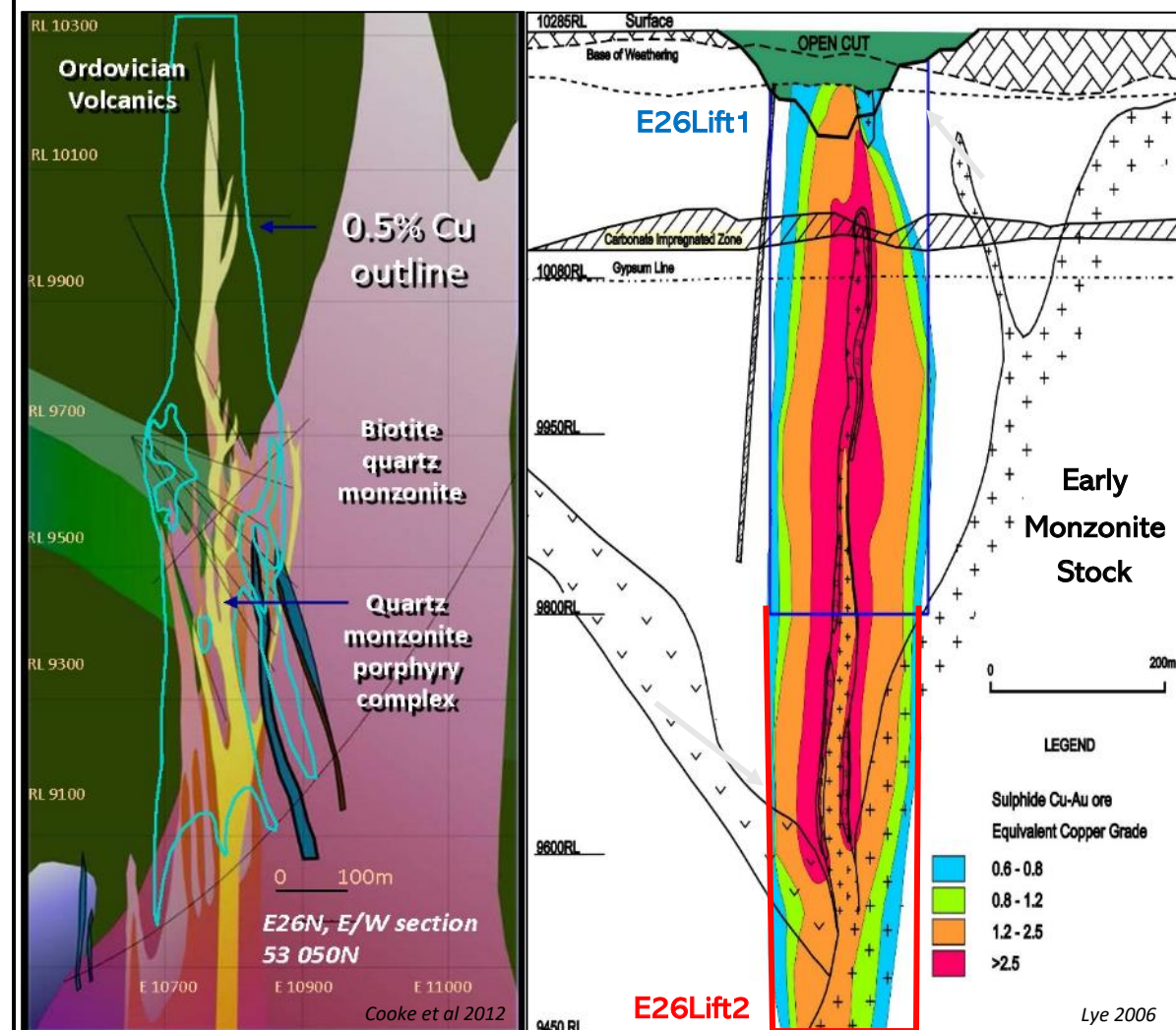


# Myall Copper-Gold Project

High impact drilling into Northparkes E26 Porphyry lookalike target



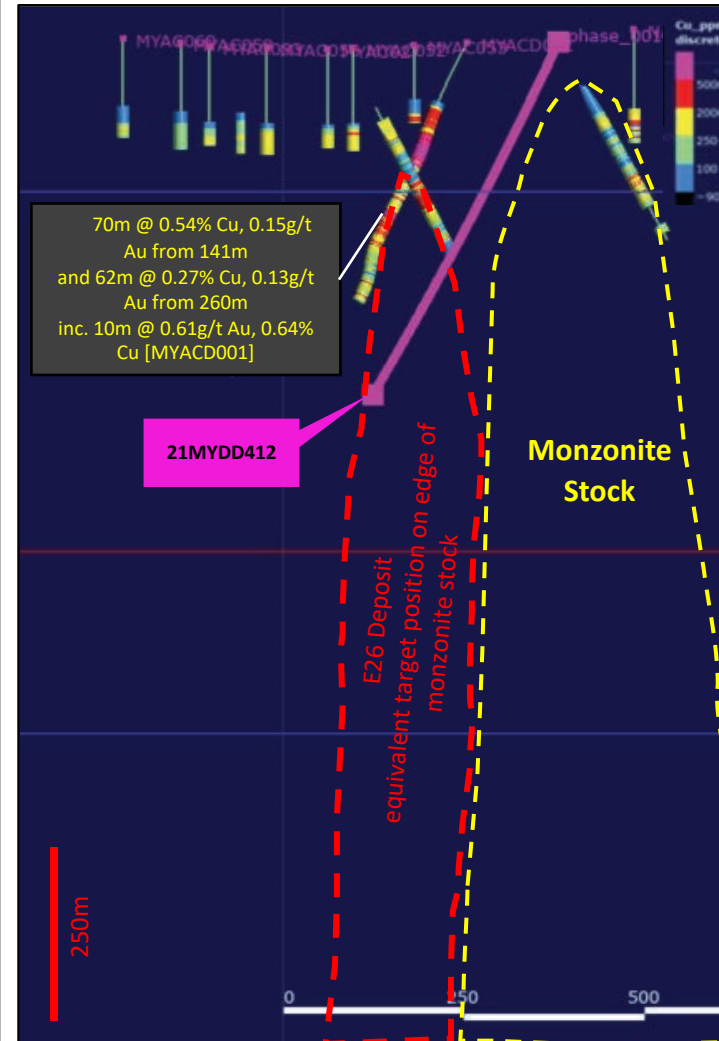
## NORTH PARKES / E26 PORPHYRY DEPOSIT



Deposit at edge of  
Monzonite stock

Deposit at edge of  
Monzonite stock

## KINGSWOOD PORPHYRY TARGET (MAG)



Target at edge of  
Monzonite stock

## RECOGNISING THE TOP OF A NORTH PARKES PORPHYRY TARGET

- Kingswood target = E26 lookalike
- Porphyry mineralisation at margin of early monzonite stock
- 70m @ 0.54% Cu, 0.15g/t Au from 141m
- and 62m @ 0.27% Cu, 0.13g/t Au from 260m
  - inc. 10m @ 0.61g/t Au, 0.64% Cu [MYACD001]
  - (ASX MAG 4 June 2017)
- Northparkes 605Mt @ 0.55% Cu and 0.19g/t Au (Total Resources, CMOC 2018)



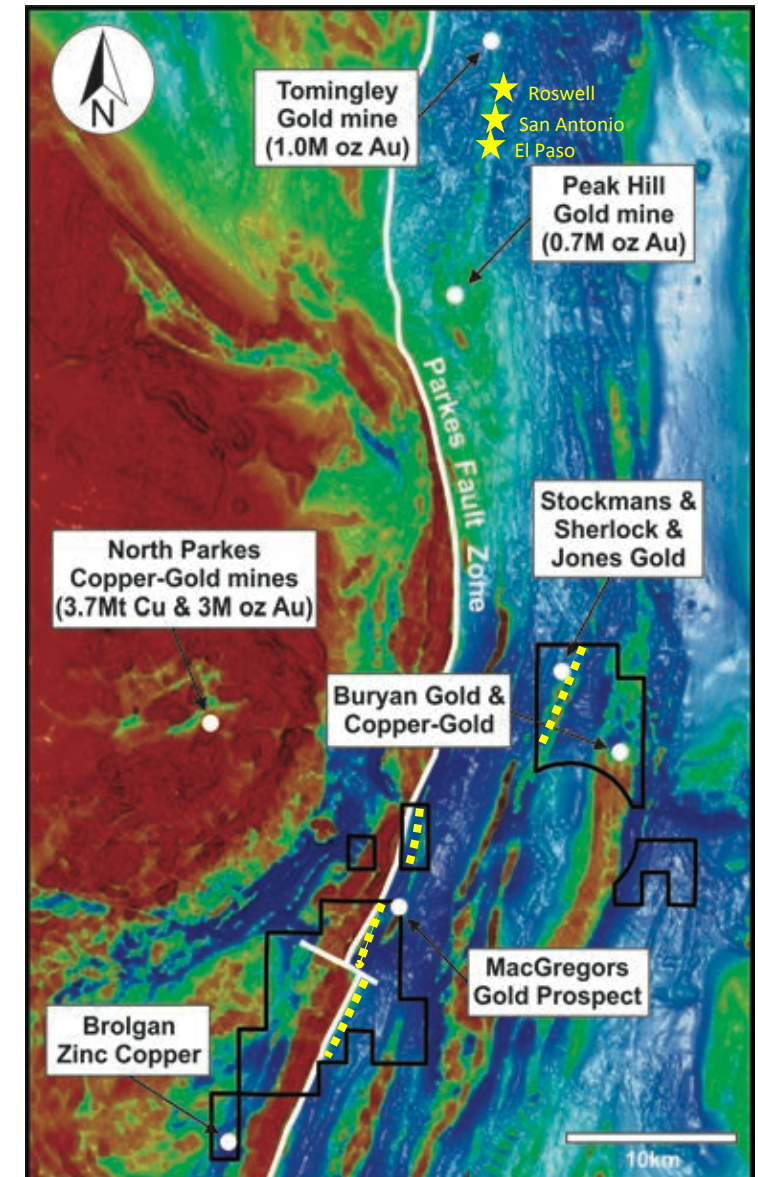


# Parkes Gold Project

Tomingley South discoveries highlight underexplored orogenic gold district



- Magmatic holds strategic position in emerging orogenic gold discovery hotspot, Parkes Fault Zone
- Along strike from Tomingley Gold Operations / Tomingley South Discoveries (ASX:ALK)
  - Roswell - 662koz, (ALK ASX 4 November 2020)
  - San Antonio - 453koz, (ALK ASX 20 April 2020)
- MacGregors-Secrets, Stockmans targets gold intersections equivalent to early-stage exploration results at Tomingley
  - **~20km Orogenic Gold Trend**
- MacGregors/MacGregors South:
  - **19m at 0.8 g/t Au, incl. 10m at 1.25 g/t Au** (from 146m) (MAG Prospectus ASX: 17/5/2017)
  - **30m at 0.57 g/t Au, incl. 15m at 0.74 g/t Au** (from 108m) (MAG Prospectus ASX: 17/5/2017)
- Stockmans:
  - **22m at 0.79g/t Au** (from 45m in S1), incl. 14m at 1.01 g/t Au (from 47m) (MAG Prospectus ASX: 17/5/2017)
  - **12m at 1.42g/t Au** (from 7m in S2), incl. 6m at 2.44g/t Au (from 9m) (MAG Prospectus ASX: 17/5/2017)



# Central Lachlan demerger and Au-Cu-Zn-Pb acquisitions

High Value – Focussed – Drill Ready Portfolio



AGC<sup>▲</sup>

## Cargelligo Project

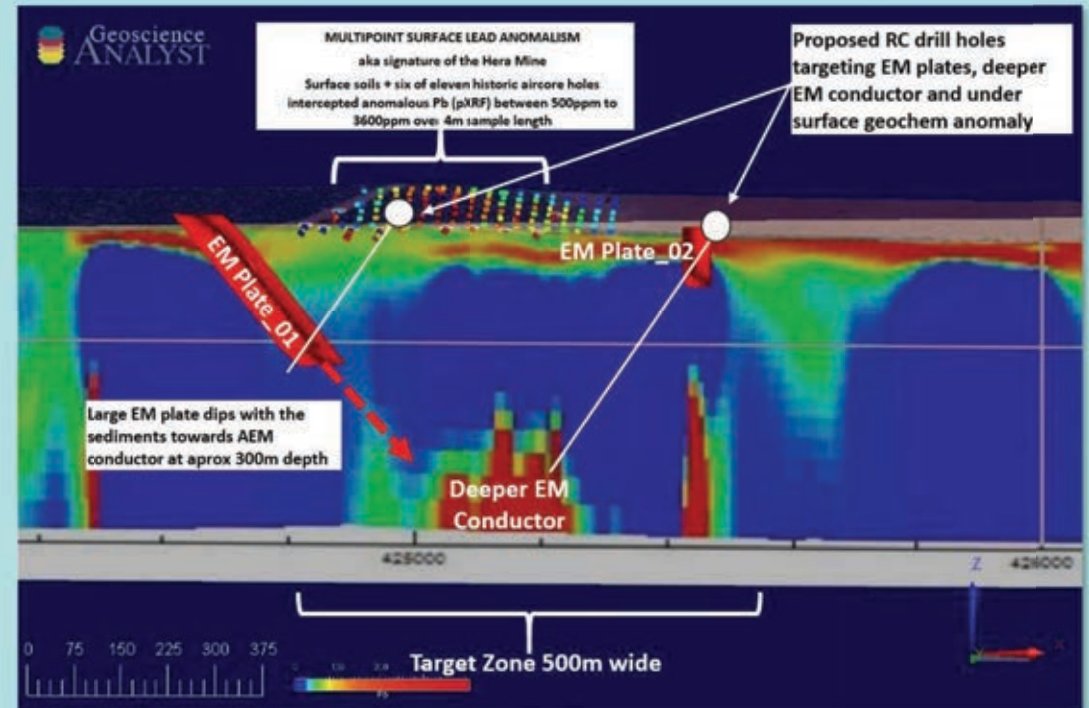
Strong discovery potential, Achilles 3, drilling underway

### ACHILLES 3 TARGET

- Cobar-style gold-polymetallic targets<sup>1</sup>
- Multi-datasets all point to shallow mineralised body with evidence for deeper continuation
- Coincident EM plate, aircore and soil geochem, & 2019 government flown aerial EM conductor = great drill targets
- Hera Mine was discovered by lead geochem and then drilling an EM plate
- Maiden drilling underway<sup>2</sup>



Ground truthing near EM plate\_01 supports evidence that sandstones/siltstones are strongly sheared, altered and east dipping, coincident with the geometry of EM plate\_01



<sup>1</sup>Refer ASX AGC IPO Prospectus 18th November 2020 p100-117

<sup>2</sup>Refer ASX AGC Release 15<sup>th</sup> February 2021

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ASX AGC 20 January 2021

ASX AGC 3 March 2021

<https://www.austgoldcopper.com.au/>



# MAG Investment Proposition

High impact drilling focused along strike from Australia's largest gold producer



## GOLD-COPPER

- High impact drilling in Boda District along strike from Australia's largest gold producer - Cadia East Mine, Newcrest 2020
- Drilling Rose Hill, Boda South, Rockleigh

## COPPER-GOLD

- Drilling results pending from Kingswood, SLR (Myall)

## OROGENIC GOLD

- Drilling planned along strike from ALK Tomingley South discoveries (Parkes)



		EXPLORATION ACTIVITY					
	MAJOR WORK PROGRAMS	JAN	FEB	MAR	APR	MAY	JUNE
WELLINGTON NORTH	Core drilling (Rose Hill)						
	AC/RC Drilling (Boda South)						
	AC/RC Drilling (Rockleigh)						
	AC/RC Drilling (Rose Hill)						
	AC/RC Drilling (Lady Ilse)						
	AC\RC Drilling (Well)						
MYALL	Drilling (Kingswood)						
	Drilling (SLR)						
PARKES	AC\RC Drilling (Parkes)						
	AC\RC Drilling (Parkes)						

Estimates of times and figures are indicative only and are subject to change

# References



CMOC 2018., China Molybdenum Company Limited, 2018 Annual Report, <http://www.cmocinternational.com/>

Cayley, R., 2017, Mineral Systems Analysis in the Tasmanides – Looking North from the South through ‘Lachlan Orogen’ coloured glasses, AIG Bulletin 67

Cooke, D., Wilson, Masterman, Zukowski, Green, Holliday., 2012, Porphyry, epithermal and skarn deposits of the Macquarie Arc, NSW, Ore Deposit Models and Exploration Strategies, Course, University of Tasmania

Evolution., 2018, <https://evolutionmining.com.au/reservesresources/>

Fox, N., Cooke, D., Harris, A., Collett, D., Eastwood, G., 2015, Porphyry Au-Cu mineralisation controlled by reactivation of an arc-transverse volcanosedimentary subbasin, Geology, Geological Society of America

Harris, Percival, I., Cooke, D., Tosdal, R., Fox, N., Allen, C., Tedder, I., McMillan, C., Dunham, P., Collett, D., 2014, Marine Volcanosedimentary Basins Hosting Porphyry Au-Cu Deposits, Cadia Valley, New South Wales, Australia, Economic Geology, v. 109

Holliday, J.R., Cooke, D., 2007, Advances in Geological Models and Exploration Methods, Ore Deposits and Exploration Technology, Fifth International Conference on Mineral Exploration

Newcrest., 2010, Architectural controls on Palaeozoic porphyry Au-Cu mineralisation in the Cadia Valley, NSW, Mines and Wines Conference 2010

Newcrest., 2013, Geology and development of the Cadia East Au-Cu porphyry deposit, Australia, PDAC

Newcrest., 2019, Newcrest Investor and Analyst Presentation, ASX Announcement, 18 November 2019

Newcrest., 2020, Newcrest’s Exploration Edge, AME Roundup, 20 January 2020

Newcrest., 2020, Cadia Operations NI 43-1010 Technical Report, 30 June 2020

Phillips, G N (Ed), 2017. Australian Ore Deposits (The Australasian Institute of Mining and Metallurgy: Melbourne) (Phillips 2017)<sup>1</sup>

Wilson, A.J., Cooke, D.R., Stein, H.J., Fanning, C.M., Holliday, J.R., and Tedder, I.J., 2007a, U-Pb and Re-Os geochronologic evidence for two alkalic porphyry ore-forming events in the Cadia district, New South Wales, Australia: Economic Geology, v. 102, p. 3–26.

## MAG ASX ANNOUNCEMENTS

ASX MAG 11 May 2020 Aeromagnetic data highlights the potential of Boda North and Boda South

ASX MAG 12 May 2020 Operational Update

ASX MAG 1 June 2020 Boda North IP

ASX MAG 3 June 2020 Drilling Results

ASX MAG 18 June 2020 Drilling Commences

ASX MAG 22 June 2020 Operational Update

ASX MAG 17 July 2020 Drilling Commences at Boda North

ASX MAG 10 September 2020 Lady Ilse RC drilling results

ASX MAG 18 September 2020 Magmatic to demerge Moorefield Project and IPO with Central Lachlan Acquisitions

ASX MAG 19 October 2020 Drilling commences at Lady Ilse

ASX MAG 4 November 2020 Demerger of Moorefield Project and IPO Update

ASX MAG 7 December 2020 Copper Porphyry Drill Target

ASX MAG 24 December 2020 Exploration Update

ASX MAG 12 January 2021 Drilling Commences Copper Target

ASX MAG 10 February 2021 Drilling Completed Copper Myall

ASX MAG 11 February 2021 Rose Hill

ASX MAG 25 February 2021 Drilling commences at Wellington North



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Assumptions have been made regarding, among other things: the Company's ability to carry on its future exploration, development and production activities, the timely receipt of required approvals, the price of gold, copper and base metals, the ability of the Company to operate in a safe, efficient and effective manner and the ability of the Company to obtain financing as and when required and on reasonable terms. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

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Exploration results detailed in this presentation have previously been reported to the ASX or in the independent geologist report contained in the Prospectus lodged on 18 May 2017. References to metal endowments are current to January 2017. Endowment = current resource plus production. Coordinate system on maps is MGA94 Zone 55 unless otherwise stated.

## **COMPETENT PERSONS STATEMENT**

The information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Peter Duerden who is a Registered Professional Geoscientist (RPGeo) and member of the Australian Institute of Geoscientists. Mr Duerden is a full-time employee of, and has associated shareholdings in, Magmatic Resources Limited, 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 of Exploration Results, Mineral Resources and Ore Reserves". Mr Duerden consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

Additionally, Mr Duerden confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this report.

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