**Noosa Mining Unearthed** 

# DRILLING BENEATH 230koz HISTORIC GOLD FIELD

East Lachlan – Home to Australia's largest gold producer and recent major discoveries

10 November 2021





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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 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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## **Investment Highlights**





### EAST LACHLAN - WORLD CLASS GOLD-COPPER PROVINCE

### Australia's largest gold producer #

- >80Moz Gold and >13Mt Copper regional endowment \*
- Cadia Valley Mines Au-Cu Porphyry Cluster / Cadia East Mine (Newcrest)
- Northparkes Mines Cu-Au Porphyry Cluster (CMOC/Sumitomo)
- Cowal Gold Mine / Corridor Epithermal Au + Porphyry Cluster (Evolution)



### MULTIPLE DRILL READY DISCOVERY OPPORTUNITIES ACROSS THREE ADVANCED GOLD-COPPER PROJECTS

### Strategic position near Cadia Valley, Northparkes and Boda Discovery

- Wellington North Project Epithermal-Porphyry, Epithermal Lode Gold
- Wyall Project Porphyry-Epithermal Copper-Gold
- Parkes Project Orogenic Gold



### WELLINGTON NORTH - EPITHERMAL/PORPHYRY, HIGH-GRADE GOLD

#### Multiple advanced drill-ready targets

- Essentially surrounding Alkane's Boda Au-Cu discovery (ASX:ALK)
  - Cluster of targets within 10km of Boda
- **ⓒ** Lady Ilse, Boda-equivalent early-stage exploration results
  - ► 45m @ 0.44g/t Au, 41m @ 0.25g/t Au, 0.11% Cu
- **⊗** Bodangora Gold Field recorded historic production **230,000 oz @ 26g/t Au**



### **MYALL - PORPHYRY/EPITHERMAL COPPER-GOLD**

### **Northparkes Mining District lookalike**

- Orilling downdip from significant existing intercepts, akin to Northparkes Mine grades
  - > 70m @ 0.54% Cu, 0.15g/t Au from 141m and 62m @ 0.27% Cu, 0.13g/t Au from 260m (Kingswood)
  - 381.9m @ 0.20% Cu, 8.25ppm Mo from 150m to EOH (Kingswood)
- Multiple targets point to typical porphyry cluster setting



#### **PARKES - OROGENIC GOLD**

### Multiple drill targets along strike from Tomingley Gold Mine

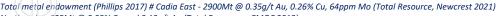
- Parkes Fault Zone Gold Discovery Hotspot
- Stockmans and MacGregors near surface orogenic gold targets, 25km south from TGP, Roswell, San Antonio discoveries (ASX:ALK)
  - > 16m @ 1.22g/t Au from 13m (MacGregors)
  - > 12m @ 1.42g/t Au from 7m (Stockmans)



### DRILLING UNDERWAY BENEATH 230koz HISTORIC GOLDFIELD

### Bodangora Gold Field - multiple historic mines with significant recorded production

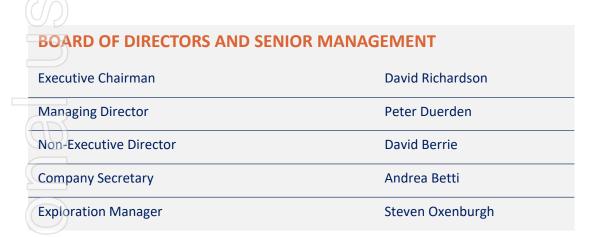
- High-grade epithermal lodes indicated by underground channel sampling/rockchips, 92.8g/t Au, 67.8g/t Au
- Significant recorded historic production 230,000 oz @ 26g/t Au
- Mine extension down dip/plunge, along strike drill targets

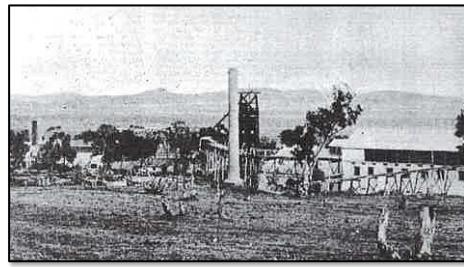


# **Corporate Snapshot**



	CAPITAL STRUCTURE	
	Shares on issue	254,486,798
	Share price 9 November 2021	\$0.10
	Market Capitalisation	\$25.45m
	Cash <sup>1</sup>	\$7.69m
	Options on Issue — unlisted  Exercise price \$0.0722 to \$0.5772 expiry Oct 2022 to May 2024	40,250,000





Mitchells Creek Mine, Bodangora Gold Field, 1904, Town and Country Journal, State Library of NSW

### MAGMATIC SHAREHOLDING BLOCKS

Directors 26.06%

Gold Fields 7.54%

HNW/Family offices/Retail +24%

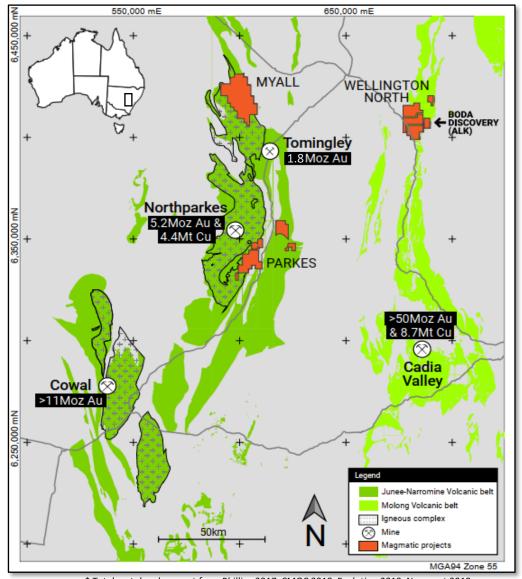
<sup>1</sup> Cash at Bank at 30 September 2021

## **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:
  - Boda Epithermal-Porphyry Discovery 1167m @ 0.55g/t Au, 0.25% Cu (ASX ALK 23 March 2020, 15 August 2017)
  - McPhillamys Advanced Gold Development (2.3Moz, ASX:RRL)
  - Tomingley South Roswell (662koz, ASX ALK 4 November 2020, San Antonio (406koz, ASX ALK 16 February 2021)

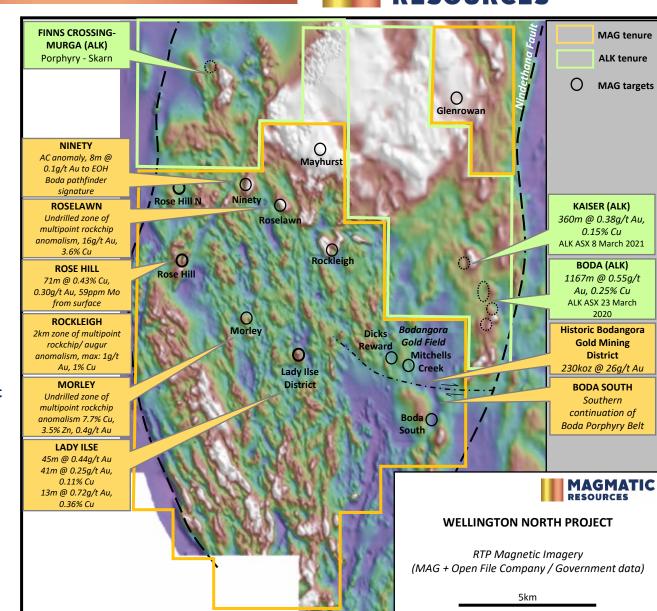


# Wellington North Project (Gold-Copper)

Advanced target portfolio surrounding major discovery

MAGMATIC RESOURCES

- North of Australia's largest gold producer Cadia East ASX:NCM
- Dominant position surrounding Boda discovery (ASX:ALK) Boda indicates
   surface expression gold-rich epithermal porphyry signature (ASX ALK 15
   August 2017), significantly upgrading MAG target portfolio
- Multiple advanced gold-copper targets:
  - Bodangora Gold Field along strike extensions of Boda Porphyry Belt, significant historical production from multiple mines, 230koz @ 26g/t Au, underground channel/ rockchip anomalism, inc. 92.8g/t Au, 67.8g/t Au (ASX MAG 17 May 2017, 9 May 2018)
  - Lady Ilse widespread Au-Cu anomalism epithermal-porphyry, under shallow (5-15m) cover, inc. 45m @ 0.44g/t Au (ASX MAG 24 December 2020), 41m @ 0.25g/t Au, 0.11% Cu, 13m @ 0.72g/t Au, 0.36% Cu (ASX MAG 10 September 2020),
  - Rockleigh open multipoint gold anomalism defined in augur, rockchips, AC
    - Rose Hill Rose Hill North Intrusion-hosted Cu-Au porphyry, inc. 71m @ 0.43% Cu, 0.30g/t Au, 57ppm Mo from surface (ASX MAG 17 May 2017), 63m @ 0.15% Cu, 0.06g/t Au, 75ppm Mo (ASX MAG 10 June 2021)
    - Ninety, Mayhurst East, Morley and multiple other ranked gold copper targets

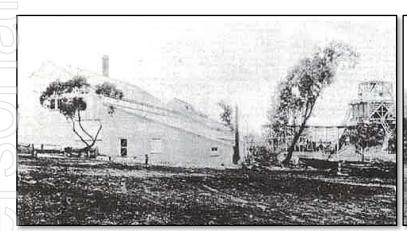


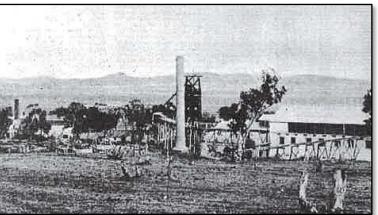
### **Bodangora Gold Field**

Targeting high-grade gold along strike from Boda Gold-Copper Discovery (ASX:ALK)

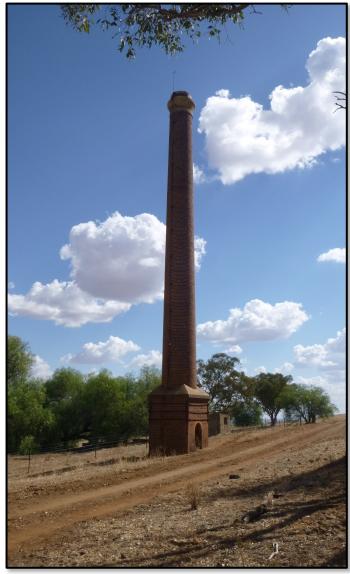
#### BODANGORA GOLD FIELD – HISTORIC HIGH-GRADE PRODUCTION

- ✓ SIGNIFICANT HISTORIC PRODUCTION FROM MULTIPLE GOLD MINES MacGregor, 1840s (Matson, 1975), operating between 1869 and 1917 with recorded production of approximately 230,000 oz Au at 26g/t Au (ASX MAG 17 May 2017), rockchips to 92.8g/t Au (ASX MAG 9 May 2018)
- LOCATED ~3KM ALONG STRIKE FROM BODA GOLD-COPPER DISCOVERY (ASX:ALK) hosted within late Ordovician Boda equivalent stratigraphy, in southerly along strike extension of Boda Porphyry Belt (ASX MAG 11 May 2020)
- HIGH-GRADE GOLD POTENTIAL INDICATED BY UNDERGROUND CHANNEL SAMPLING OF UNMINED MATERIAL included 0.63m @ 31.3g/t Au, 0.50m @ 52.8g/t Au, 0.50m @ 44.4g/t Au, 0.35m @ 67.8g/t Au at Dicks Reward Mine (ASX MAG 18 August 2020)
- HIGH GRADE LODES HAVE EPITHERMAL AFFINITIES laminated quartz-pyrite ± galena ± chalcopyrite ± bornite ± tetrahedrite ± telluride veins, epithermal lode association (Matson, 1975)
- ✓ HIGH RESOLUTION GROUND MAGNETICS COMPLETED TO DEFINE LODE REPETITIONS / EXTENSIONS Dicks Reward and
  Mitchells Creek Mine extensions
- ✓ DRILLING UNDERWAY TARGETING NEAR MINE EXTENSIONS —Dicks Reward and Mitchells Creek Mine extensions







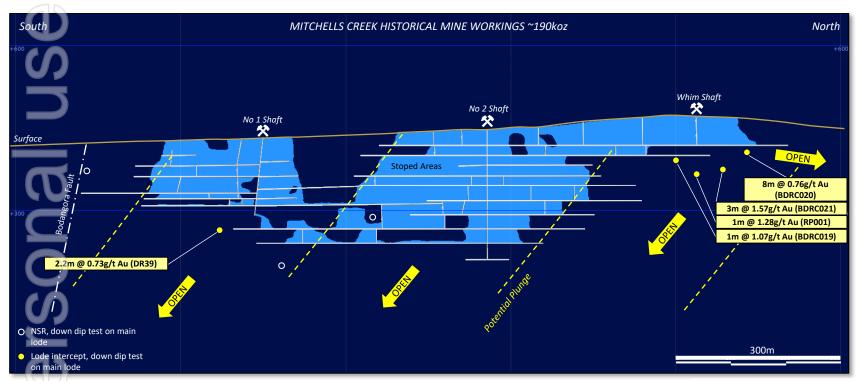


\* Cluff Minerals Australia Pty Ltd, 1989, GS1989/347, https://search.geoscience.nsw.gov.au/report/R00004433 # Cooper GS2011/1465, https://search.geoscience.nsw.gov.au/report/R00049562

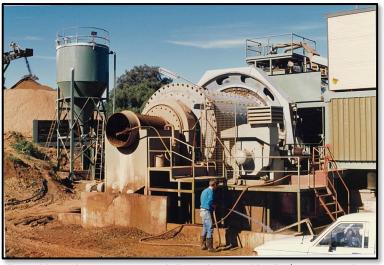
### **Bodangora Gold Field**

Mitchells Creek - targeting high grade gold - mine extensions

- ✓ SIGNIFICANT HISTORIC GOLD PRODUCTION operating between 1869 and 1917 with recorded production of approximately 230,000 oz Au at 26g/t Au (ASX MAG 17 May 2017)
- **HIGH GRADE LODES HAVE EPITHERMAL AFFINITIES** laminated quartz-pyrite ± galena ± chalcopyrite ± bornite ± tetrahedrite ± telluride veins, epithermal association (Matson, 1975)
- ✓ MAIN LODE POSSIBLY THICKENING TOWARDS NORTH
- ✓ MINING EXTENDED TO ~300M DEPTH SHALLOW BY MODERN STANDARDS
- ✓ DRILLING UNDERWAY TESTING DOWN DIP DOWN PLUNGE ALONG STRIKE MINE EXTENSIONS







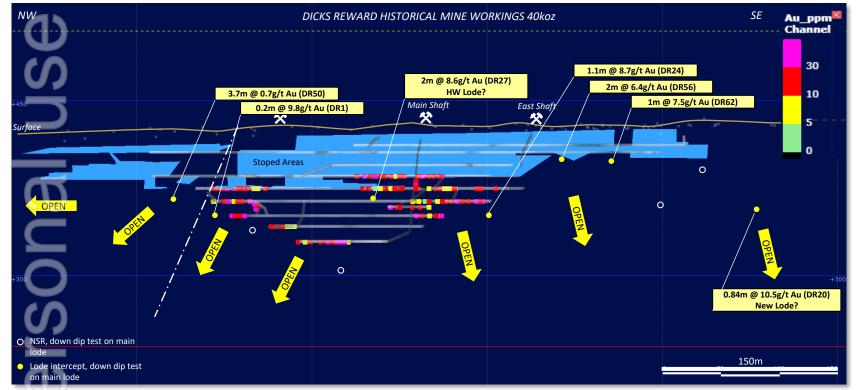
Milling gold at Bodangora in 1985 Mitchells Creek Mine Gold Mill, c/o Rangott Exploration

### **Bodangora Gold Field**

Dicks Reward - targeting high grade gold - mine extensions



- ✓ HIGH-GRADE GOLD POTENTIAL INDICATED BY UNDERGROUND CHANNEL SAMPLING OF UNMINED MATERIAL inc. 0.63m @ 31.3g/t Au, 0.50m @ 52.8g/t Au, 0.50m @ 44.4g/t Au, 0.35m @ 67.8g/t Au at Dicks Reward Mine (ASX MAG 18 August 2020)
- **HIGH GRADE LODES HAVE EPITHERMAL AFFINITIES** laminated quartz-pyrite ± galena ± chalcopyrite ± bornite ± tetrahedrite ± telluride veins, epithermal association (Matson, 1975)
- ✓ POTENTIAL HANGING WALL LODE poorly tested hanging wall position, inc. 2m @ 8.6g/t Au (DR27)
- ✓ MINING EXTENDED TO ~150M DEPTH SHALLOW BY MODERN STANDARDS
- ✓ DRILLING UNDERWAY TESTING DOWN DIP DOWN PLUNGE ALONG STRIKE MINE EXTENSIONS



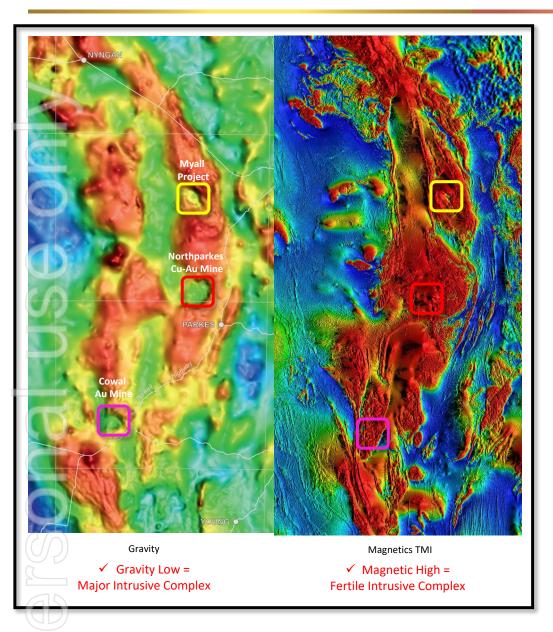


Dicks Reward mineralisation, 92.8g/t Au, ASX MAG 9 May 2018

## **Myall Copper-Gold Project**

Northparkes copper-gold district lookalike

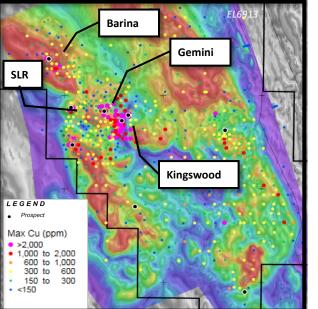




#### NORTHPARKES COPPER-GOLD DISTRICT LOOKALIKE

- 250km<sup>2</sup> with multiple advanced 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 (MYACD001, ASX MAG 4 June 2017), equivalent grades to Northparkes Mine Resources<sup>+</sup>
  - 381.9m @ 0.20% Cu, 8.25ppm Mo from 150m to EOH (21MYDD412)

Narromine / Myall Intrusive Complex



Bouguer RTP Mag Gravity

5 km

E22 E27 CERE C EZ6

Goonumbla / Northparkes Intrusive Complex (JNVB)

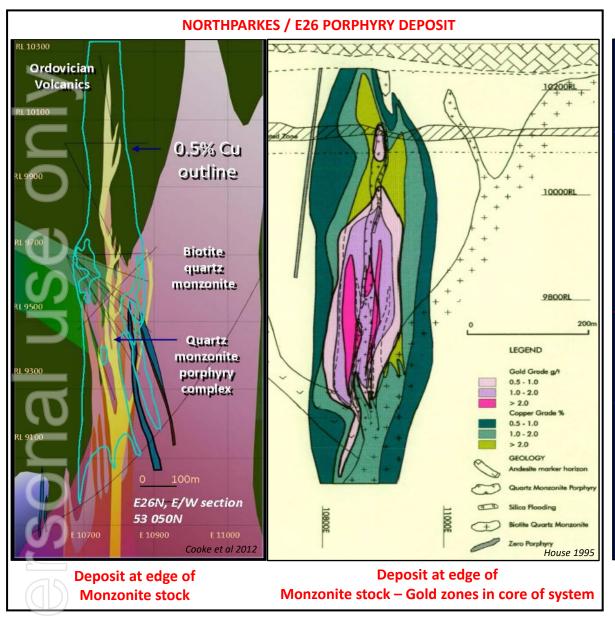
Bouguer RTP Mag Gravity

5 km

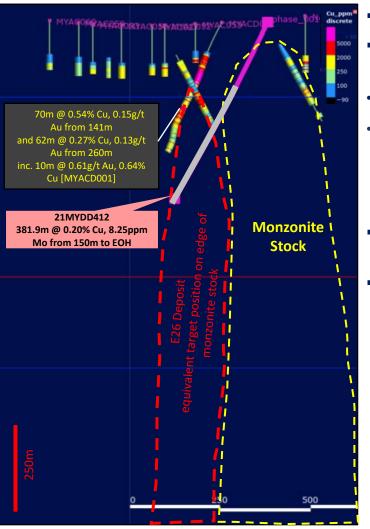
## **Myall Project (Copper-Gold)**

Kingswood – Northparkes copper-gold porphyry lookalike





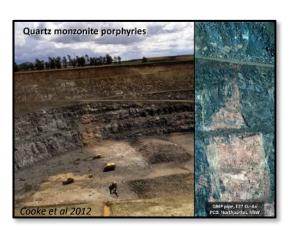
#### KINGSWOOD PORPHYRY TARGET (MAG)



Target at edge of Monzonite stock

#### **GOLD ZONES LOCATED IN CORE OF SYSTEM**

- Kingswood = E26 lookalike target
- 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 17 May 2017
- Northparkes 605Mt @ 0.55% Cu and 0.19g/t Au (Total Resources, CMOC 2018)
- Broad copper anomalism gold restricted to core of system

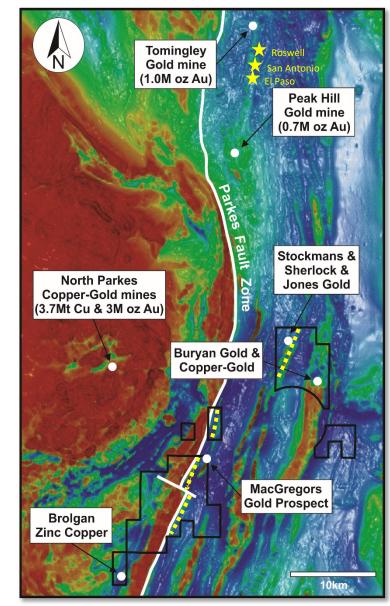


# **Parkes Project (Gold)**

Orogenic Gold Targets along strike from Tomingley Gold Operations

MAGMATIC RESOURCES

- Major 20km orogenic gold trend
- 25km along strike from Tomingley Gold Operations (TGO) / Tomingley South
   Discoveries (ASX:ALK)
  - ➤ TGO + Discoveries 1.83Moz (ASX ALK 18 August 2020)
- Existing gold intersections equivalent to early-stage Tomingley exploration results:
  - > 16m at 1.22 g/t Au from 13m (MM33) McGregors (ASX MAG 17 May 2017)
  - ➤ 18m at 0.72 g/t Au from 33m (MM33) McGregors (ASX MAG 17 May 2017)
  - **26m at 0.55 g/t Au** from 34m (MM32) McGregors (ASX MAG 17 May 2017)
  - 22m at 0.79g/t Au from 45m (S1) Stockmans (ASX MAG 17 May 2017)
  - > 12m at 1.42g/t Au from 7m (S2) Stockmans (ASX MAG 17 May 2017)





HIGH RESOLUTION GROUND MAGNETIC SURVEYING UNDERWAY

### **MAG Investment Proposition**

Testing multiple targets near major East Lachlan producers



#### WELLINGTON NORTH - GOLD-COPPER

- High impact drilling in Boda District north of Australia's largest gold producer Cadia East Mine (ASX:NCM)
- Drilling high-grade gold targets, downdip from Bodangora Gold Field (230,000 oz Au at 26g/t Au, ASX MAG 17 May 2017)

#### MYALL - COPPER-GOLD

Drilling porphyry copper target downdip from 381.9m @ 0.20% Cu, 8.25ppm Mo from 150m to EOH (21MYDD412)

### **PARKES - GOLD**

High resolution magnetics informing follow-up drilling activity, along strike from TGO and Tomingley South discoveries (ASX:ALK)

		DRILLING ACTIVITY					
	MAJOR WORK PROGRAMS	NOV	DEC	JAN	FEB	MAR	APR
WELLINGTON NORTH	Res. Extension DD (Bodangora Gold Field)						
WELLIN	AC Drilling (Bodangora - Ninety – Ladyl)						
ALL	DD Drilling (Kingswood)						
λM	DD Drilling (Myall)						
KES	AC/RC Drilling (Stockmans)						
PAR	AC/RC Drilling (MacGregors)						
PARKES MYALL	(Kingswood)  DD Drilling (Myall)  AC/RC Drilling (Stockmans)  AC/RC Drilling (MacGregors)						

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





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

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#### **MAG ASX ANNOUNCEMENTS**

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

 ${\it ASX\,MAG\,18\,September\,2020\,Magmatic\,to\,demerge\,Moorefield\,Project\,and\,IPO\,with\,Central\,Lachlan\,Acquisitions}$ 

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

ASX MAG 29 March 2021 Wide Copper Zone at Kingswood

ASX MAG 31 March 2021 Rose Hill Drilling Commences

ASX MAG 19 April 2021 Bornite Chalcopyrite Chalcocite intersected Rose Hill

ASX MAG 10 June 2021 Drilling commencing at Wellington North

ASX MAG 16 June 2021 Drilling commences at Lady Ilse gold-copper targets

ASX MAG 18 August 2021 Bodangora Gold Field

ASX MAG 31 August 2021 Exploration Update