# **ASX ANNOUNCEMENT**



31 MARCH 2021

### DRILLING COMMENCES AT ROSE HILL GOLD-COPPER TARGET

- Rose Hill drill target supported by existing intercepts, surface rockchip anomalism and alteration vectoring
- Significant existing gold-copper-molybdenum intercepts include 71m @ 0.30g/t Au, 0.42% Cu,
   57ppm Mo from 0m (RHRC005) of equivalent grade to the Cadia East Mine Resource<sup>1</sup>

Magmatic Resources ('MAG', the 'Company') is pleased to provide an update on exploration activity at its 100% owned Wellington North Project, located north of Australia's largest gold producer at Cadia East (ASX:NCM, Newcrest 2020) and effectively surrounding Alkane's recent Boda gold-copper porphyry discovery (ASX:ALK).

#### Initial diamond drilling of priority target position

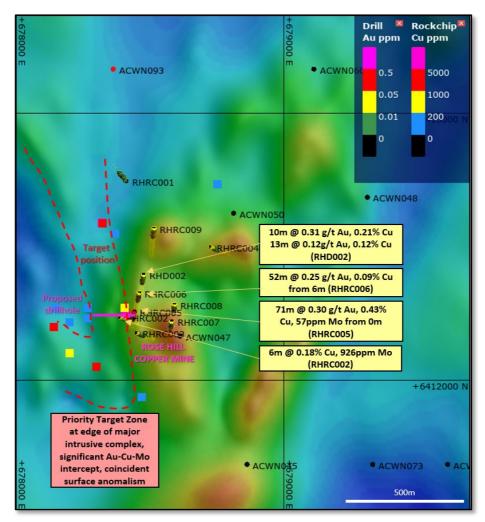
The Rose Hill target represents an advanced discovery opportunity within the Wellington North target portfolio. The target is characterized by significant existing gold-copper-molybdenum intercepts (**71m** @ **0.30g/t Au**, **0.42% Cu**, **57ppm Mo from 0m**, RHRC005, ASX MAG 17 May 2017) of equivalent grade to the Cadia East Mine Resource<sup>1</sup>.

Further enhancing the prospectivity of Rose Hill is the identification of a priority target zone, located west of previous drilling, supported by rockchip copper-gold anomalism and favorable alteration vectors in a Boda equivalent intrusive setting. The initial diamond hole will test beneath existing drill intercepts and the adjacent priority target position (Figures 2).



Figure 1: Photo of rig setup at Rose Hill, Wellington North Project

<sup>&</sup>lt;sup>1</sup> Newcrest Mining Cadia East Mine Resource (2900MT @ 0.35g/t Au, 0.26% Cu, 64ppm Mo, Newcrest 2020)



**Figure 2:** Rose Hill district RTP aeromagnetic imagery, drilling coverage and priority porphyry target position supported by anomalous rockchip surface geochemistry at the western margin of strongly magnetic intrusive complex

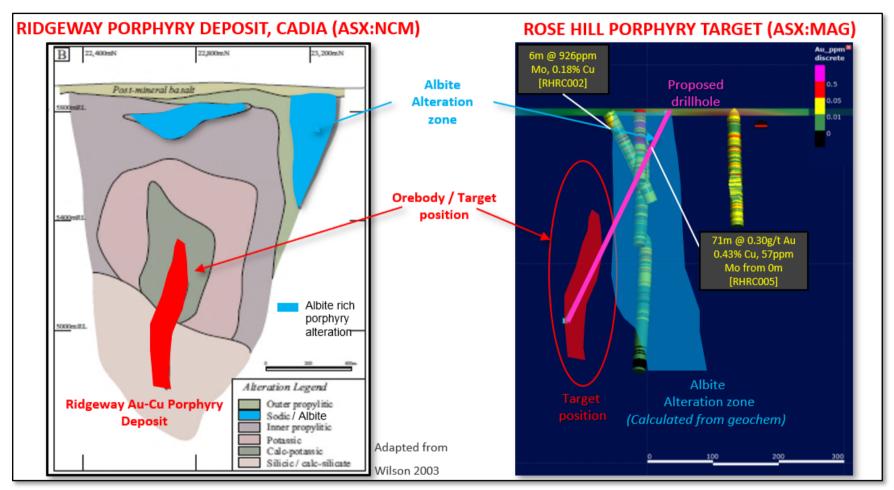


Figure 3: Schematic comparison between Rose Hill gold-copper porphyry target and a Cadia style gold-copper porphyry deposit alteration zonation

#### **Rose Hill Gold-Copper Porphyry Target**

The Rose Hill target represents an advanced discovery opportunity within Magmatic's Wellington North target portfolio.

Geological interpretation of the Rose Hill area has involved the use of alteration mapping techniques, utilising near total digest multielement assays to map alteration patterns within the porphyry system. The results have identified a strong zone of albite-rich (sodic) porphyry alteration coincident with an existing significant gold-copper-molybdenum porphyry drill intercept (71m @ 0.30g/t Au, 0.42% Cu, 57ppm Mo from 0m, RHRC005, ASX MAG 17 May 2017). Strong albite alteration is typically present in the upper levels and as shoulder features within East Lachlan gold-copper porphyry systems, with its position at Rose Hill supporting the priority drill target west of previous drilling (Figure 2).

Features highlighting the prospectivity of the Rose Hill priority target include:

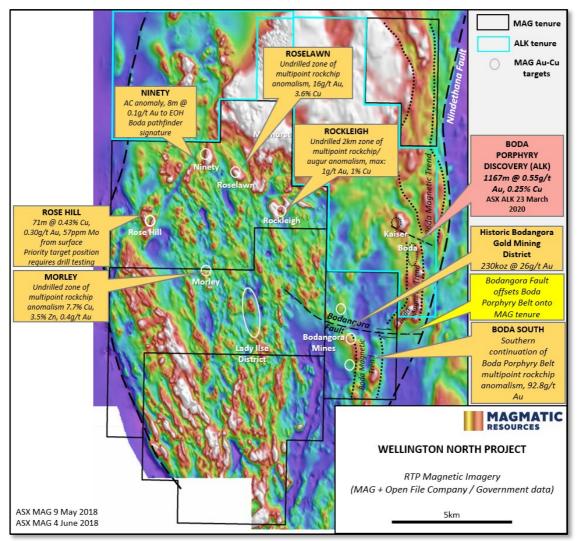
- Adjacent to existing significant gold-copper drill intercept (71m @ 0.30g/t Au, 0.42% Cu, 57ppm Mo from 0m, RHRC005, ASX MAG 17 May 2017)
- Existing gold-copper-molybdenum intercept grade consistent with Cadia East Mine resource grade<sup>1</sup>, Newcrest 2020)
- Adjacent to peripheral albite rich (sodic) porphyry alteration, typically present in the upper levels/shoulders of East Lachlan gold-copper porphyry systems
- Copper gold surface rockchip anomalism
- Margin of strongly magnetite altered (magnetic) monzonitic intrusive complex, similar to the relationship evident at Alkane's nearby Boda Discovery (ASX ALK 9 September 2019)

## **Wellington North Project (Gold-Copper)**

Magmatic's 100%-owned Wellington North Project covers the northern extension of the Molong Volcanic Belt, located ~100km north from Newcrest Mining's world-class Cadia Valley porphyry gold-copper deposits and effectively surrounding Alkane's recent Boda porphyry discovery (ASX ALK 9 September 2019).

The Wellington North Project comprises three exploration licences, covering 177km<sup>2</sup> and is considered highly prospective for gold-copper porphyry, gold epithermal and lode style gold mineralisation.

The recent Boda gold-copper porphyry discovery by Alkane Resources Ltd (ASX ALK 9 September 2019) has highlighted the value of Magmatic's surrounding tenure position in the northern Molong Belt. The Boda discovery has highlighted the surface signature of porphyry mineralisation in the area, as described in ASX ALK 15 August 2017, and has significantly upgraded Magmatic's target portfolio for Boda-style gold-copper porphyry mineralisation (Lady Ilse District, Boda North, Boda South, Rose Hill, Ninety, Rockleigh, Mayhurst and Mayhurst East).



**Figure 4:** Aeromagnetic imagery, RTP (Magmatic and Open File Company/Government) showing northern Molong Belt porphyry target portfolio, Wellington North Project, highlighting Boda Au-Cu Porphyry Discovery (ASX:ALK), extensions to the Boda Porphyry Belt

#### References

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Newcrest 2020, Cadia Operations NI 43-101 Technical Report, 30 June 2020, https://www.newcrest.com/sites/default/files/2020-10/Technical%20Report%20on%20Cadia%20 Operations %20as%20of%2030%20June%202020\_0.pdf

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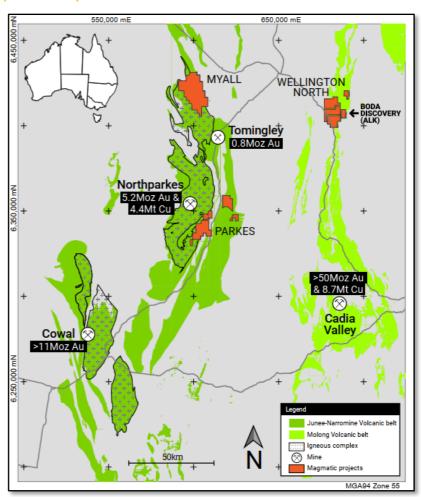
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#### **About Magmatic Resources (ASX:MAG)**

MAG) is a New South Walesfocused gold and copper explorer that listed on the ASX in May 2017. In 2014, Magmatic completed the acquisition of an advanced goldcopper target portfolio in the East Lachlan from Gold Fields Limited. Gold Fields had completed a major phase of target generation across four main projects (Wellington North, Parkes, Myall, Moorefield), identifying over 60 targets.

Magmatic Resources Ltd (ASX:

The East Lachlan has an endowment of more than 80 million ounces of gold and 13 million tonnes of copper (Phillips 2017). It is most famous for Newcrest Mining's world class gold-copper porphyry cluster at Cadia Valley District, where



MAG East Lachlan Project Location Map (Resources from Phillips 2017)

currently the Cadia East Mine represents Australia's largest gold mine and one of the world's most profitable gold producers (Newcrest 2019). In addition, the Northparkes copper-gold porphyry cluster (China Molybdenum/Sumitomo, CMOC 2019) and Cowal Epithermal Deposit (Evolution Mining, Evolution 2018) represent other significant long-life mining operations.

The recent Boda porphyry discovery by Alkane Resources Ltd (ASX ALK 9 September 2019) has highlighted the value of Magmatic's dominant surrounding tenure position in the northern Molong Belt, in what is emerging as a significant gold porphyry discovery hotspot. The Boda discovery has highlighted the surface signature of porphyry mineralisation in the area and has significantly upgraded Magmatic's target portfolio for Boda-style and Cadia East-style porphyry gold-copper mineralisation.

The Company also holds a strategic position in the Parkes Fault Zone (Parkes Project), immediately south from Alkane's Tomingley Gold Operations and recent Roswell and San Antonio discoveries.

The company holds a major shareholding in ASX listed central Lachlan focused explorer Australian Gold and Copper Limited (ASX:AGC).

#### Authorised for release by the board of directors of Magmatic Resources Limited

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#### **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.

#### **Previously Reported Information**

The information in this report that references previously reported exploration results is extracted from the Company's ASX market announcements released on the date noted in the body of the text where that reference appears. The previous market announcements are available to view on the Company's website or on the ASX website (www.asx.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. 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 announcements.

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