# **ASX ANNOUNCEMENT**



**7 DECEMBER 2020** 

# DRILLHOLE TO TEST COPPER - GOLD PORPHYRY OPPORTUNITY AT KINGSWOOD

- Priority discovery opportunity identified at Kingswood, downdip from known copper-gold porphyry mineralisation
- Kingswood target shows the dimensions, alteration, host rocks and intrusive setting consistent with the Northparkes E26 Porphyry Mine with known copper-gold porphyry mineralisation open at depth
- Magmatic is fast-tracking a priority drillhole scheduled for early January 2021
- Drilling activity also scheduled at Wellington North in January 2021

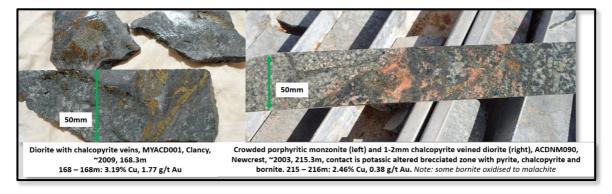
Magmatic Resources ('MAG' or 'The Company') is pleased to provide an update on exploration activity at its 100% owned Myall Project, including the identification and planned fast-tracked drilling of a priority copper-gold porphyry target at Kingswood.

### Kingswood – interpreted top of a Northparkes style copper-gold porphyry system

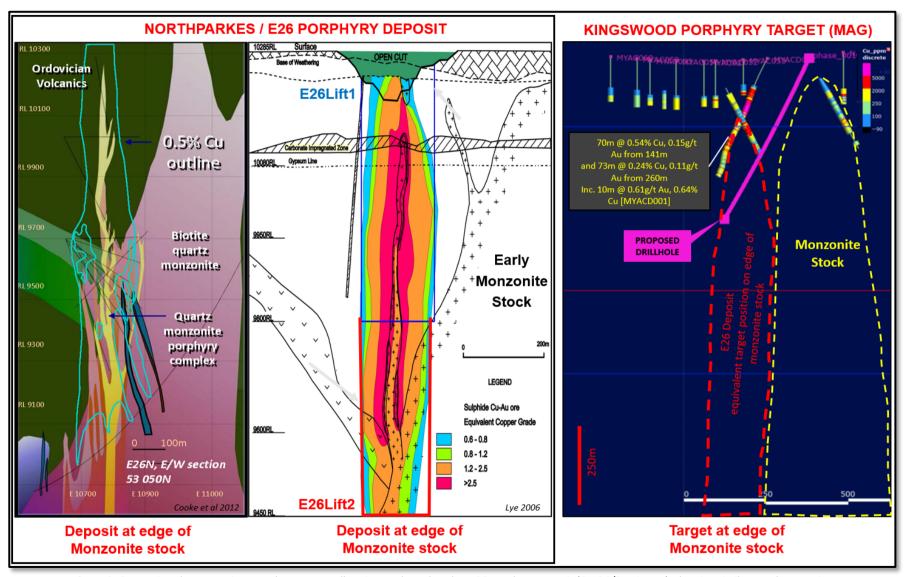
Leveraging the ongoing encouraging work conducted by Magmatic's exploration team (MAG ASX 31 January 2019), recent 3D modelling and comparisons with the Northparkes Porphyry Mining District highlight a priority copper-gold porphyry discovery opportunity at the Kingswood target.

Review of the Myall datasets indicates that the Kingswood target shows the dimensions, alteration, host rocks and intrusive margin setting consistent with the Northparkes E26 Porphyry Mine (China Molybdenum/Sumitomo) with an existing open zone of mineralisation providing a compelling drill target (Figure 2).

The company is fast-tracking a ~450m diamond drillhole, commencing in early January 2020, designed to test the Northparkes porphyry lookalike target and downdip from significant existing mineralisation, including 70m @ 0.54% Cu, 0.15g/t Au from 141m (ASX MAG 24 March 2017) (Figure 2). The existing mineralisation is associated with strongly developed potassic porphyry alteration and interpreted to represent the top of a Northparkes E26 style copper-gold porphyry system (Figure 2).



**Figure 1:** Photos showing known mineralisation at the Kingswood Target (MAG ASX 31 January 2019), representing the top of an interpreted Northparkes style/E26 porphyry system with mineralisation open at depth



**Figure 2:** Comparison between Kingswood Target, Myall Project and Northparkes E26 Porphyry Deposit (CMOC/Sumitomo), showing similar porphyry setting at margin of massive monzonite complex (Northparkes, E26 -Cooke et al 2012, Lye 2006), 150m section window

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

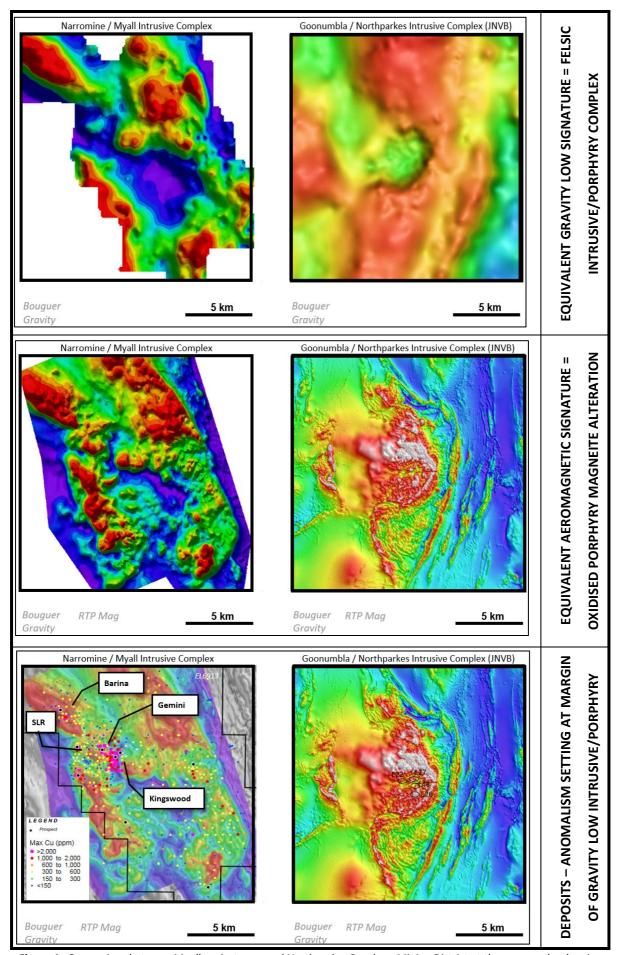
Magmatic's 100%-owned Myall Project (EL6913) covers 244km<sup>2</sup> of the northern portion of the Junee-Narromine Belt, within the East Lachlan.

The area is considered strongly prospective for Northparkes style copper-gold porphyry and epithermal gold mineralisation.

Ongoing exploration activity indicates strong geological, geochemical and geophysical similarities between the Myall District and Northparkes Porphyry Mining District, located 60km south (MAG ASX 31 January 2019) (Figures 3, 4).

#### **MYALL DISTRICT** NORTHPARKES PORPHYRY DISTRICT VS MYALL EL6913 NORTHPARKES 595,000 597,000 mt **Greater Kingsy** and Walshe, 1995 and Owens 500ppm Cu 를 6,420,000 mN et al, 2017) 1000ppm Cu **GRP314** 6,418,000 mN 1000ppm Cu Heithersay and Walshe Kingsv deposit outlines Early to late mineralisation Monzonite Owens et al. ore outlines quartz monzonite porphyries (0.5% Cu) – below Altona (Owens et al. only) 6,416,000 mN Fault, projected to surface 1km

**Figure 3:** Comparison between Myall project area and Northparkes Porphyry Mining District at the same scale, showing copper anomalism at 500ppm Cu and 1000ppm Cu (MAG ASX 31 January 2019), Northparkes from Heithersay and Walshe, (1995), Phillips, G N (2017)



**Figure 4:** Comparison between Myall project area and Northparkes Porphyry Mining District at the same scale, showing aeromagnetic, gravity imagery (Geological Survey of NSW)

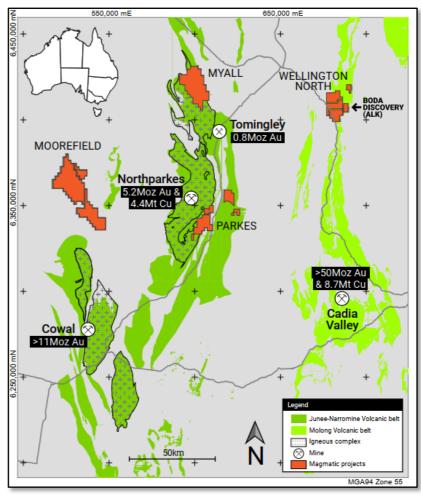
# **About Magmatic Resources (ASX:MAG)**

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 gold-

Magmatic Resources Ltd (ASX:

In 2014, Magmatic completed the acquisition of an advanced gold-copper 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.

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, wher



MAG Project Location Map

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.

#### References

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# 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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