



ASX Market Announcements

## GEOPHYSICAL GRAVITY SURVEYS COMMENCED COPPER HILL PROJECT EL6391 NSW

Golden Cross Resources Ltd (“GCR”) is pleased to advise that the gravity survey crew has mobilised to the Copper Hill project site near Molong NSW and commenced the planned detail gravity surveys over the whole of the tenement covering areas lightly explored previously to delineate subsurface structures, and subsurface intrusive bodies.

This Stage 1 program totals up to 580 stations at 400m intervals (**Figure 2**). The surveys will supplement the data sets of detailed ground magnetics and Induced Polarisation from previous GCR exploration programs, and provide potential precursor data for other new technologies such as Ambient Noise Tomography (ANT), where gravity has been widely used to enhance ANT interpretations.

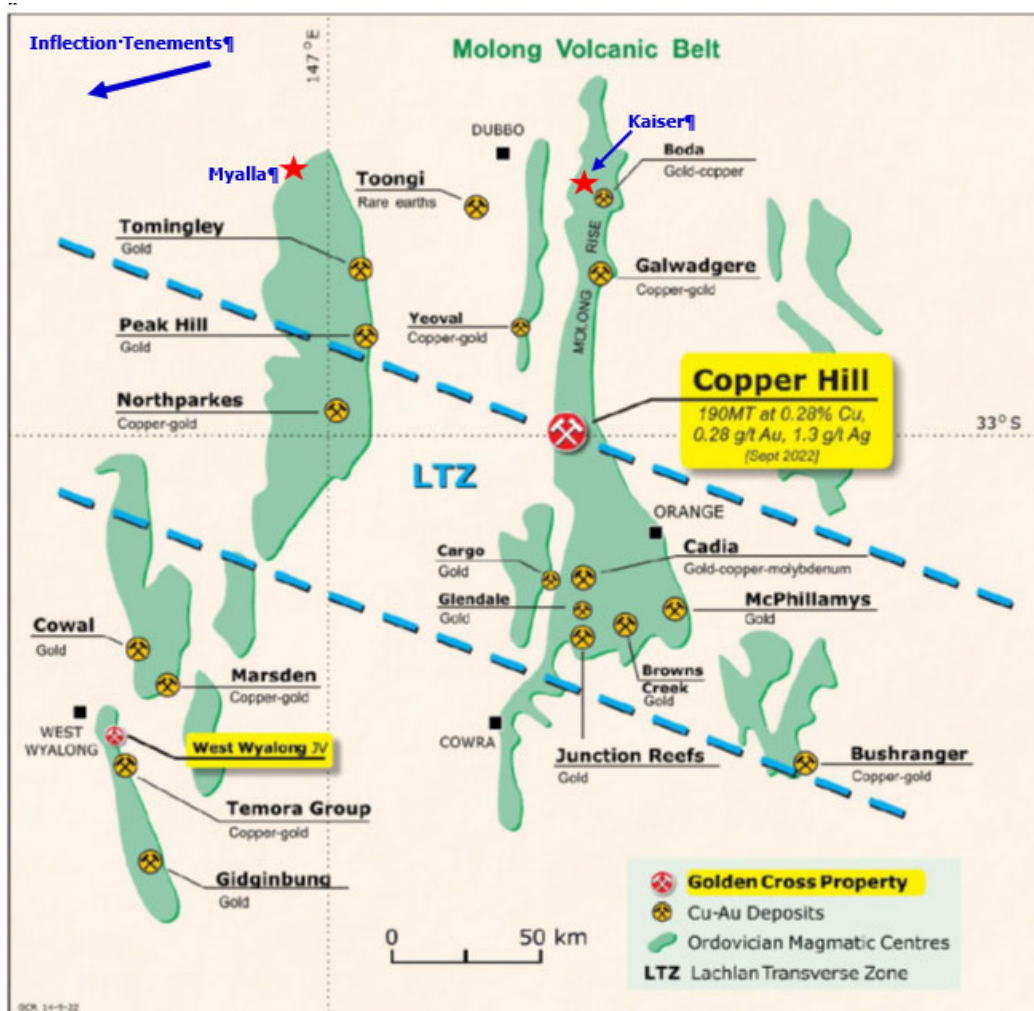
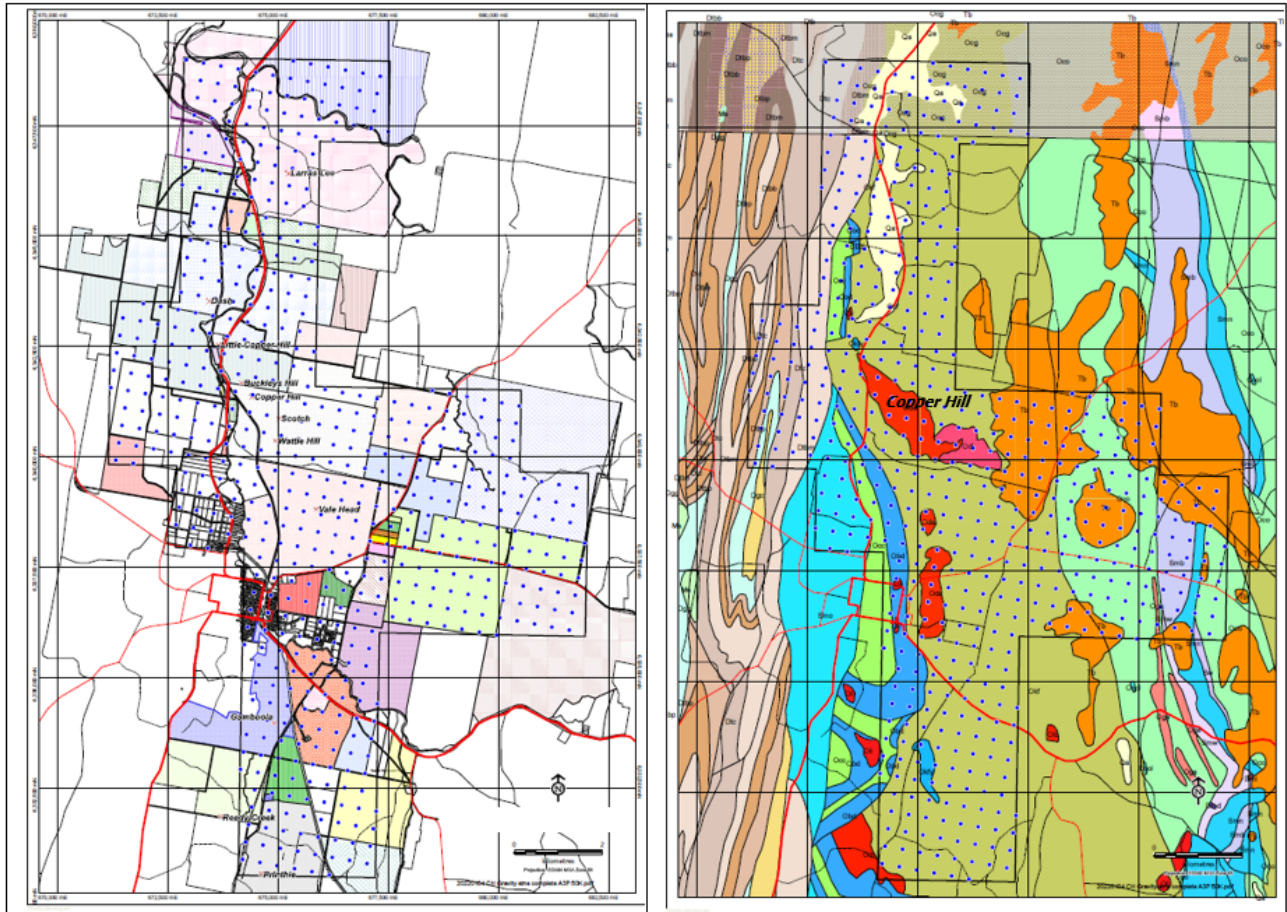


Figure 1: Copper-gold deposits of the Macquarie Arc

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**Figure 2: Stage 1 gravity stations within EL6391**  
 [showing 400 x 400m stations, landholdings and geology  
 Intermediate intrusives in red; Fairbridge Volcanics in olive green]

### About Copper Hill Project

Copper Hill is within the same Ordovician-age Macquarie Arc volcanic belt (the Molong Volcanic Belt – “MVB”) that hosts Cadia-Ridgeway and other significant gold-copper deposits in the Central West Region of NSW (Figure 1).

Copper Hill is approximately 50 kilometres north of Cadia on the northern edge of a structural corridor formed by the interpreted west-northwest (WNW) trending Lachlan Transverse Zone (LTZ). Cadia is one of Australia’s larger producing gold mines and was a significant component of the resource portfolio that led to acquisition of Newcrest Mining Ltd by Newmont in late 2023.

The Boda Prospect and the Kaiser Prospect of Alkane Exploration Limited (ASX:ALK) also in the Molong Volcanic Belt are approximately 60 kilometres north of Copper Hill,

In September 2022, GCR announced an updated Mineral Resource Estimate (“MRE”) which has 31% Measured, 39% Indicated and 30% Inferred material as follows:

**Table 1: 2022 MRE by Classification**  
 (above either 0.2% Cu or 0.2g/t Au Cut-off Grades, within 2022 Pit Shell)

Class	Mt	%Cu	g/t Au	g/t Ag	% S	SG	Mt Cu	Moz Au	Moz Ag
Measured	58	0.32	0.34	1.5	2.3	2.61	0.19	0.65	2.8
Indicated	74	0.27	0.26	1.3	2.5	2.63	0.20	0.62	3.1
Inferred	58	0.23	0.25	1.1	2.5	2.65	0.14	0.45	2.1
<b>Total</b>	<b>190</b>	<b>0.28</b>	<b>0.28</b>	<b>1.3</b>	<b>2.4</b>	<b>2.63</b>	<b>0.52</b>	<b>1.72</b>	<b>7.9</b>

Details from the MRE report were released in a GCR ASX announcement on 6 September 2022. GCR confirms that it is not aware of any new information or data that materially affects the information included in that ASX announcement. GCR confirms that all material assumptions and technical parameters underpinning the MRE in that ASX announcement continue to apply and have not materially changed. The MRE report is based on work compiled by Mr Arnold van der Heyden, a Member and Chartered Professional (Geology) of the Australasian Institute of Mining & Metallurgy (AusIMM) and a director of H&S Consultants Pty Ltd (HSC). GCR confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from the original ASX announcements.

### **Competent Person Statement**

The information in this report that relates to Exploration Results is based on information from previous reports, compiled by Mr Bret Ferris, who is a Member of the Australasian Institute of Geoscientists. (AIG). Mr Ferris is a geological consultant to Golden Cross Resources Ltd, and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity 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 Ferris consents to the inclusion in this report of the matters based on that information in the form and context in which it appears.

### **Forward-Looking Statement**

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could", "plan", "estimate", "expect", "intend", "may", "potential", "should" and similar expressions are forward-looking statements. Although Golden Cross Resources Ltd believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.

Authorised for release by  
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