



401 / 781 Pacific Highway  
CHATSWOOD NSW 2760  
Phone (02) 8379 5705

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ASX Market Announcements

## **COPPER HILL EL6391, NSW SURFACE GEOCHEMISTRY ACTIVITIES**

Golden Cross Resources Ltd ("GCR") advises that current and ongoing review of historical surface sampling data has identified several locations that warrant infill and extension surface soil sampling.

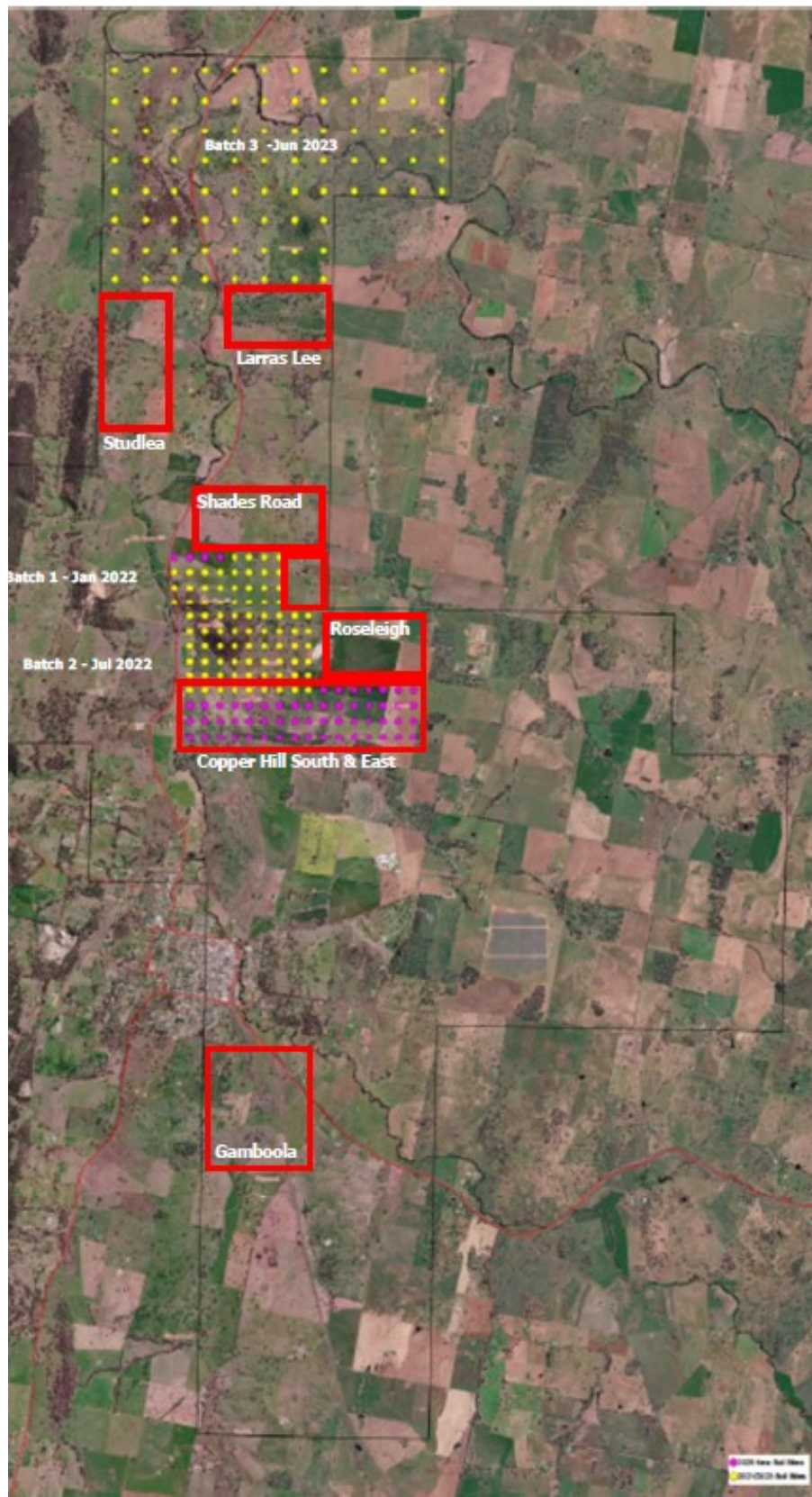
Previous soil sampling surveys have selectively targeted a range of locations in the Copper Hill licence. More recently in 2021-2023 extension and infill soil sampling was undertaken to test previously sampled areas with:-

- Selected and limited elemental suite (excluding gold which was not the focus).
- Older analytical techniques.
- Varying and evolving sample collection techniques.
- Gaps in coverage (e.g. due to access restrictions, agricultural activity etc), or limited area of sampling.

This current review reveals potential for anomaly improvement in the following areas:-

1. Open soil copper zone south and east of Wattle Hill where there have been no gold analyses, or trace elements analyses of significant elements e.g. molybdenum (Mo);
2. Strong north-south unexplained arsenic (As) trend on the western side of "Studlea" property, [with associated high silver (Ag) in rock chips, and a malachite occurrence in outcrop];
3. Low level copper (Cu) zone at Larras Lee open to south [also single point high gold in wide spaced 400m sampling [2023: Batch 3];
4. Unexplained elevated Ag zones south of Molong in historical sampling;
5. Limited sampling over future infrastructure locations [Shades Road, Roseleigh etc]; and
6. Numerous spot highs end of line, and other oddities.

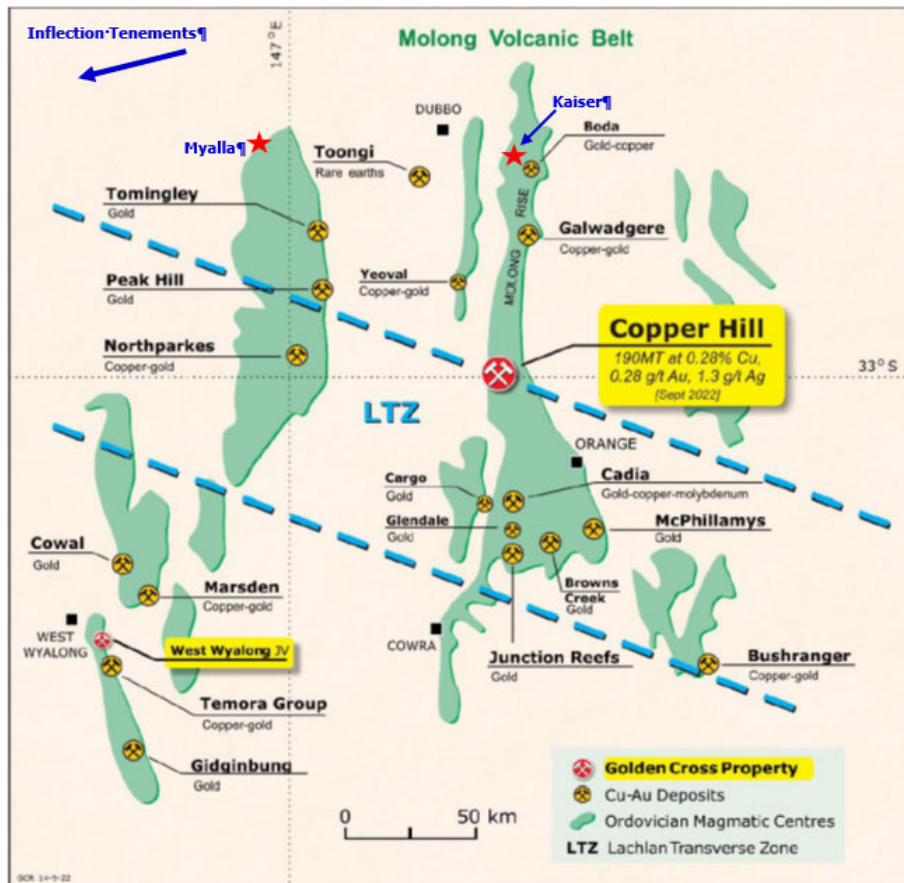
Following the geophysical gravity surveys conducted over the whole of the Copper Hill tenement earlier this month and while awaiting the interpretation results, GCR has commenced the first stages of infill and extension sampling within the Copper Hill south and east areas. (**Figure 1**).



**Figure 1: Infill & extension Geochemical Sites**  
[showing areas for further sampling]

## 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 2).



**Figure 2: Copper-gold deposits of the Macquarie Arc**

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”).

**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>

## References to Previous ASX Releases

5 January 2022: Copper Hill Tenement: Planned Geochemistry Surface Sampling Completed

13 July 2022: Copper Hill: Geochemistry Surface Sampling Update

6 September 2022: Substantial Increase Mineral Resource Estimate – Copper Hill

3 June 2023: Copper Hill: Geochemistry Surface Sampling Update

*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

**Jordan Li**

**Executive Chairman.**

Contact for enquiries:

**Jordan Li**

**Executive Chairman**

Telephone: 61 2 8379 5705 Email: [jordan.li@goldencross.com.au](mailto:jordan.li@goldencross.com.au)