

## Soil-geochemistry program commences - Amoco Gold-Antimony

- A ~3km x ~2km wide systematic soil-geochemistry sampling program aimed at improving drill target confidence is set to commence, with assay results expected in late August.
- A priority area at Amoco has been identified through **rock samples with gold up to 17.9 g/t Au, antimony up to 0.7% Sb, and silver up to 80 g/t Ag**, located on interpreted structural corridors.
- The identification of **gold and antimony mineralisation located on interpreted structures** is highly encouraging, given the known gold-antimony mineralisation controls within the New England Fold Belt.
- Amoco is located ~19km southeast of Larvotto Resources Ltd (ASX:LRV) Hillgrove Antimony-Gold Project and ~14km east of Koonenberry Gold Ltd (ASX:KNB) Enmore Gold Project.
- Applications for maiden drill programs at the Amoco and Mayview Antimony Projects are advancing through the NSW Resources Regulator, with ongoing discussions with landowners to secure access agreements.

**Critical Resources Limited** ('Critical Resources' or the 'Company', ASX:CRR) is pleased to advise shareholders of the commencement of a detailed ~3km x ~2km wide soil geochemistry program at the Amoco Gold-Antimony Project (**Amoco**) (100% CRR) (EL9293) in the Armidale region, NSW - Australia.

**Critical Resources' Chief Executive Officer, Mr. Tim Wither, commented** *'The commencement of the targeted soil-geochemistry program is a step toward our maiden drill program at Amoco, as we progress the approval process with the NSW regulator and respective landholders. The systematic multi-element geochemical survey is being supported by modern geochemical assay techniques, which have led to significant improvements in the detection limits of critical pathfinder elements.'*

*'The ~3km x 2km wide soil-geochemistry sampling program is designed to provide detailed geological data focused on gold, antimony and pathfinder elements across the interpreted structural corridor to assist in determining the mineralised extents across the priority target area at Amoco. Amoco represents a compelling opportunity within the region's historically productive antimony-gold corridor with encouraging initial surface gold and antimony mineralisation.'*

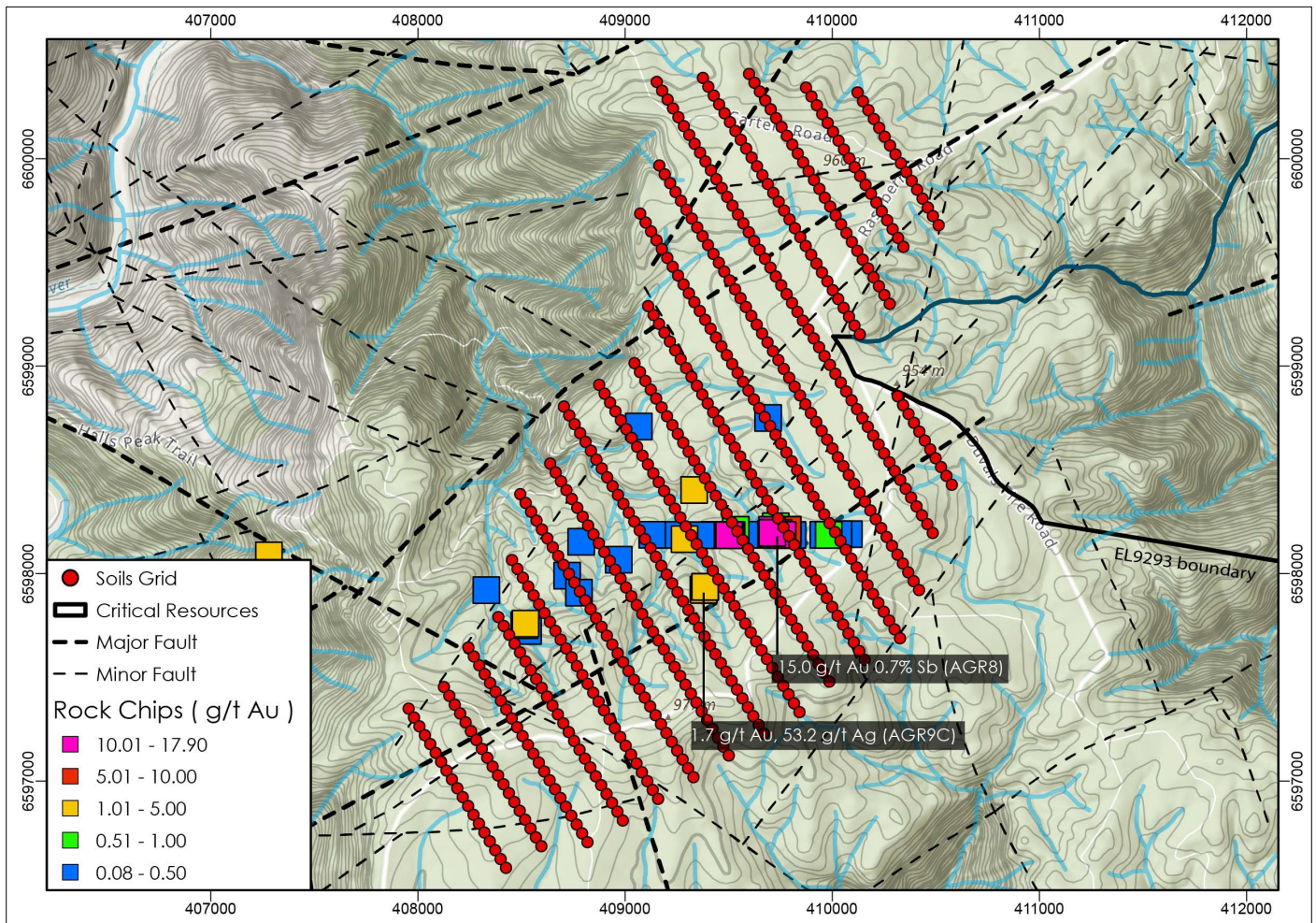
### Amoco Antimony-Gold Project

The Amoco Gold-Antimony Project is located in the fertile New England fold belt ~19km southeast of Larvotto Resources Limited's (ASX:LRV) Hillgrove Antimony-Gold operations and ~14km east of Koonenberry Gold's (ASX:KNB) Enmore Gold Project along regional controlling structural trends (**Figure 2**).

The controlling structures within this gold-antimony rich portion of the New England Fold Belt typically occur along multiple, closely spaced SW-NE faults that extend horizontally for hundreds of metres and vertically for up to several kilometres. Nearby Larvotto Resources Hillgrove Antimony-Gold project underscores the

potential scale of the Amoco project's mineralisation zone. The revised geological model for Amoco reflects an improved understanding and warrants further field work to be completed prior to a maiden drill program.

In May 2025, the Company completed initial field mapping at Amoco along the mineralised trend identified through legacy rock and soil sampling. Field mapping and rock sample assays confirmed mineralisation over a ~1 km east-west length due to the sampling grid orientation. During the field mapping, fifteen rock chip samples were collected, all of which returned anomalous gold results greater than 0.8 g/t Au and up to 15.1 g/t Au and strongly correlated with legacy results that had previously reported **gold mineralisation up to 17.9 g/t Au, antimony up to 0.53% Sb, and silver up to 80 g/t Ag** (ASX:CRR announcement 4 June 2025).

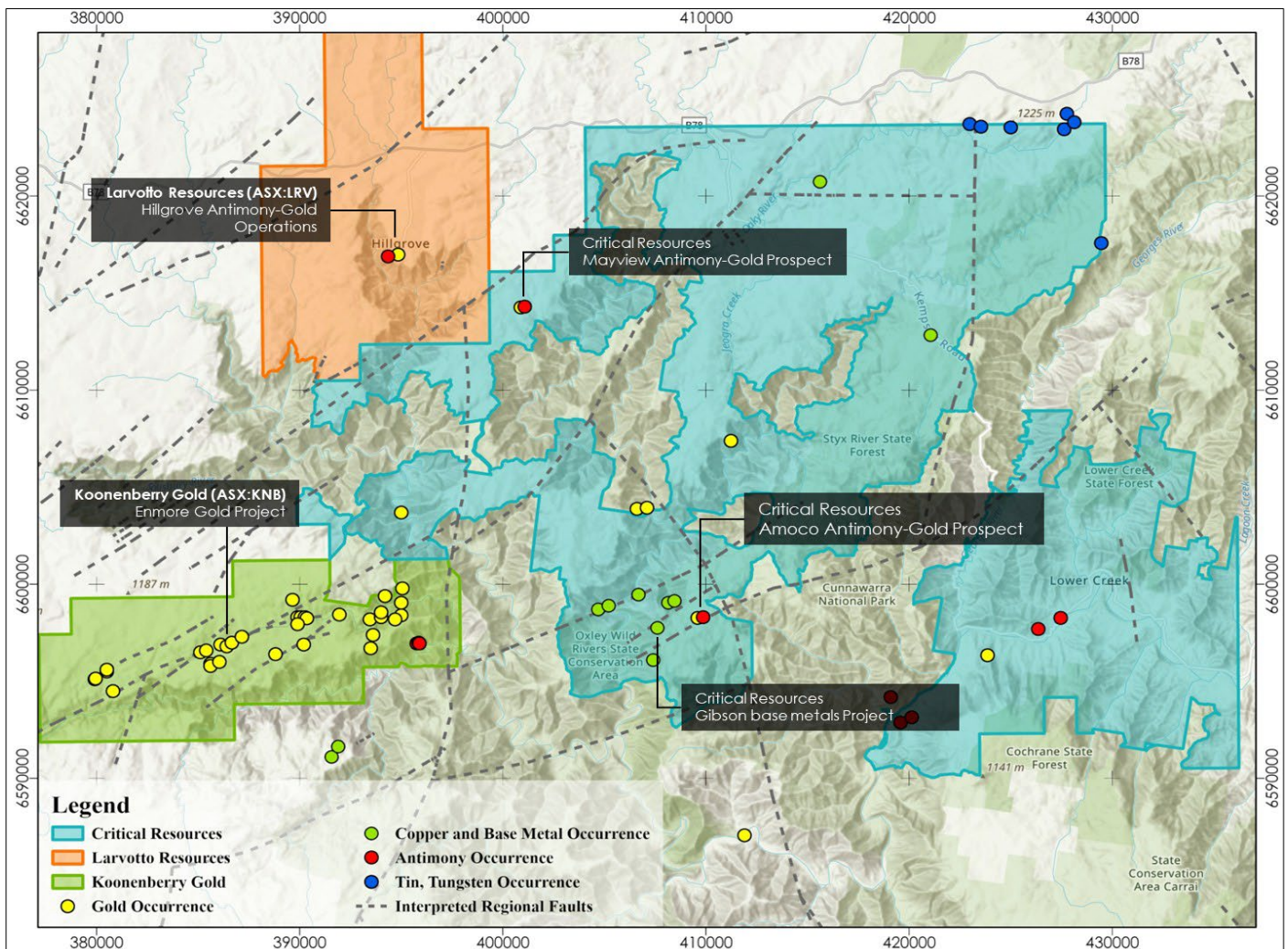


**Figure 1** – Amoco soil-geochemical sampling program with previously reported rock samples (g/t Au) and interpreted major/minor structures from aeromagnetic survey (black dashed).

## Soil-geochemistry sampling program

Following successful field mapping and identification of high-grade gold-antimony mineralisation, a ~3km x ~2km wide detailed soil-geochemistry program targeting key areas along several interpreted structural corridors (**Figure 1**), aimed at enhancing confidence in the definition of drill targets. The soil-geochemical sampling is designed to be completed on a ~200m by ~50m grid (~600 samples), providing resolution across the interpreted structures.





**Figure 2 - Location Plan of Critical Resources - Halls Peak tenure and regionally significant Hillgrove and Enmore with regional structures.**

## Next Steps

- The ~600 sample point soil mapping program is expected to be completed by the end of July, with final assay results anticipated in late August.
- The Company continues to progress the Amoco and Mayview Antimony-Gold Projects' maiden drill programs through the applications for Assessable Prospecting Operations (APO) with the New South Wales (NSW) Resources Regulator.

**This announcement has been approved for release by the Board of Directors of Critical Resources.**

For further information, please visit [www.criticalresources.com](http://www.criticalresources.com) or contact:

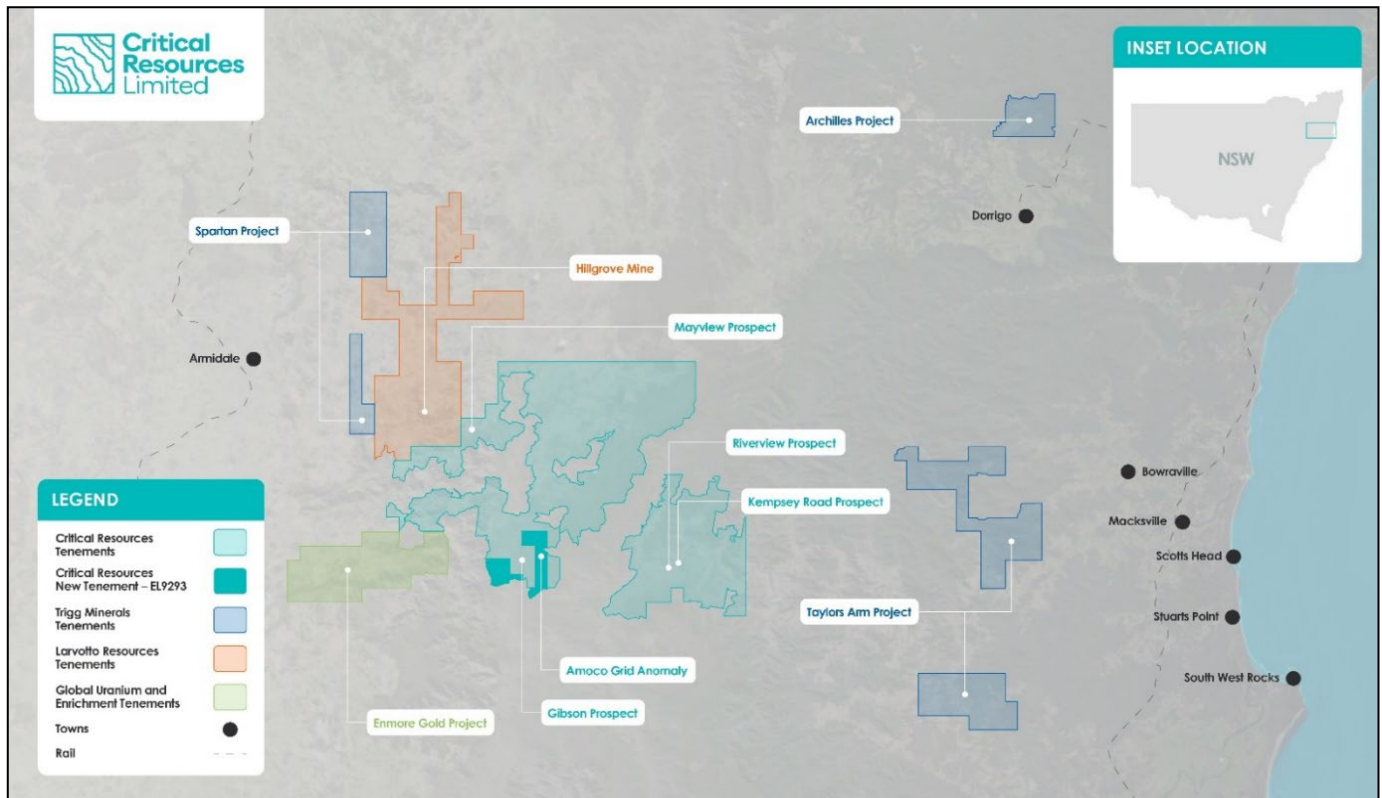
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## ABOUT CRITICAL RESOURCES LIMITED

Critical Resources is an Australian mining company focused on the exploration and development of metals needed for a sustainable future. The Company holds the Mavis Lake Lithium Project, located in Ontario, Canada, with drilling exceeding 45,000 meters. This has defined a maiden inferred resource of 8 million tonnes at 1.07% Li<sub>2</sub>O, with significant potential to expand this resource and identify new discoveries within the surrounding area.

The Company's Hall Peak Base Metals Project is located ~87km south-east of Armidale, New South Wales, Australia. The Company has defined a maiden Inferred Mineral Resource of 884,000t @ 3.7% Zn, 1.5% Pb, 0.4% Cu, 30g/t Ag and 0.1g/t Au. The Hall Peak ~950 km<sup>2</sup> exploration tenure includes two advanced antimony-gold prospects – Mayview and Amoco.



**Figure 3 - Project Location map showing Halls Peak project area proximity to significant Antimony-Gold projects in the Armidale region, NSW, Australia.**

### Halls Peak – Gibson Base Metals Project - Mineral Resource Estimate

Halls Peak Project JORC Classification	Zn Cut-Off grade (%)	Tonnage (Mt)	Zn (%)	Pb (%)	Cu (%)	Ag ppm (g/t)	Au ppm (g/t)
Indicated	-	-	-	-	-	-	-
Inferred	2.0	0.84	3.7	1.5	0.44	30	0.1
<b>Total*</b>	-	<b>0.84</b>	<b>3.7</b>	<b>1.5</b>	<b>0.44</b>	<b>30</b>	<b>0.1</b>

\*Reported at a cut-off grade of 2% Zn for an open pit mining scenario. Estimation for the model is from the generation of a rotated block model, with blocks dipping 55° >330°. Classification is according to the JORC Code Mineral Resource categories. Refer to the ASX:CRR announcement 30 June 2024.

### Mavis Lake Lithium Project - Mineral Resource Estimate

Mavis Lake -Lithium Project JORC Classification	Li <sub>2</sub> O Cut-Off grade (%)	Tonnage (Mt)	Li <sub>2</sub> O (%)
Inferred	0.3	8.0	1.07
<b>Total*</b>		<b>8.0</b>	<b>1.07</b>

\*Reported at a cut-off grade of 0.30% Li<sub>2</sub>O for an open pit mining scenario. Estimation for the model is by inverse distance weighting. Classification is according to the JORC Code Mineral Resource categories. Refer to ASX:CRR announcement 5 May 2023.

## **COMPETENT PERSON STATEMENT**

The information in this ASX Announcement that relates to Exploration Results is based on information compiled by Mr Michael Leu, a Competent Person who is a member of the Australian Institute of Geoscientists (AIG) and the Australian Institute of Mining and Metallurgy (AusIMM) and a consultant of Critical Resources. Mr Leu has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Leu consents to the inclusion in this Announcement of the matters based on his information in the form and context in which it appears.

## **PREVIOUSLY REPORTED INFORMATION**

This document contains information relating to the Mineral Resource estimate for the Mavis Lake Lithium Project, which is extracted from the Company's ASX announcement dated 5 May 2023 and reported in accordance with the 2012 JORC Code and available for viewing at [criticalresources.com.au](http://criticalresources.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 announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply and have not materially changed.

This information in this ASX Announcement that relates to the Halls Peak Mineral Resource Estimate is extracted from the ASX market announcement dated 30 June 2023 and reported in accordance with the 2012 JORC Code and available for viewing at [criticalresources.com.au](http://criticalresources.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in any original announcement and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed.

This announcement contains information on the Halls Peak Project extracted from ASX market announcements dated 22 November 2021, 30 June 2023, 28 August 2024, 12 September 2024 and 3 October 2024, 8 November 2024, 19 November 2024, 4 December 2024, 16 December 2024, 12 February 2025 and 20 March 2025 reported in accordance with the 2012 JORC Code and available for viewing at [www.criticalresources.com.au](http://www.criticalresources.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement.

## **FORWARD LOOKING STATEMENTS**

This announcement may contain certain forward-looking statements and projections. Such forward-looking statements/projections are estimates for discussion purposes only and should not be relied upon. Forward-looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. Critical Resources Limited does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward-looking statements/projections based on new information, future events or otherwise, except to the extent required by applicable laws. While the information contained in this report has been prepared in good faith, neither Critical Resources Limited or any of its directors, officers, agents, employees or advisors give any representation or warranty, express or implied, as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.