

31 October 2024

Field Work Campaigns to Begin at Hillgrove South and Mayview Antimony Prospects

Highlights

- Confirmation of historic antimony from recent desktop studies across the prospects have warranted a full geological mapping and sampling program to delineate drilling targets.
- Field work campaigns to commence across the Hillgrove South and Mayview Antimony-Gold prospects which are part of the broader Halls Peak Project.
- The technical team aims to prioritise identified high potential targets, leveraging the favourable geological, mineralogical, and stratigraphic parameters identified from the desktop works.
- Mayview Stibnite prospect, is situated ~2.7km east of Larvotto Resources Ltd's (ASX:LRV) Hillgrove Antimony-Gold Project.
- The Mayview antimony mineralisation is potentially a continuation of the Hillgrove Antimony-Gold system. It occupies a southeast trending fault or shear zone, similar to many lodes at nearby Hillgrove Mine.
- Elevated antimony values were observed in stream sediment samples just 3 km south of LRV's Hillgrove Gold-Antimony area, in addition, surface rock chip samples and stand out intersections from previous drilling at the Gibsons prospect, reinforcing the potential for widespread mineralisation.
- Experienced geologists Paul Degeling and Michael Leu, both with many years on-the-ground field experience in the Halls Peak-Hillgrove area, to undertake the detailed mapping and sampling survey of the historic antimony workings.

Lithium exploration and project development company Critical Resources Limited **ASX:CRR** ("Critical Resources" or "the Company") is pleased to announce that following on from the recent desktop studies that identified a number of strategic Antimony occurrences, including the Hillgrove South and Mayview prospects, within CRR's Halls Peak Project, the Company is now fast-tracking detailed fieldwork programs across its extensive portfolio to help define and delineate drilling targets.

Given recent discoveries and the global shift in antimony supply dynamics, the Company recently completed a targeted desktop study of available exploration data at the Halls Peak Project ("Project"), located in NSW, Australia.



A review of available exploration data has highlighted key results that further strengthen the potential of the Halls Peak project. Notably, drilling has returned significant antimony intercepts, including 20,400 ppm Sb over 1.15 meters in Hole DDHA6. Open File Records, Mineral Deposit Data Sheets, of the Geological Survey of New South Wales indicate multiple Antimony showings within the Halls Peak Project including the Mayview Homestead Stibnite prospect, grading 1.55% Sb and situated ~2.7km east of Larvotto Resources Ltd's ("LRV") Hillgrove Antimony-Gold Project.

In addition, elevated antimony values were confirmed in surface rock chip samples, with grades up to 1,330 ppm Sb. Stream sediment samples collected just 3 km south of LRV's Hillgrove Gold-Antimony area further reinforce this prospectivity, with Sb concentrations reaching up to 1,520 ppm as shown in the plan map located in Figure 1. The geological setting of Halls Peak mirrors that of the LRV Hillgrove deposit, featuring similar fault-controlled mineralisation systems. These structural complexities and similarities in geology suggest strong potential for an extensive and high-grade antimony system.

The Company has engaged experienced geologists Paul Degeling and Michael Leu, both with many years on-the-ground field experience in the Halls Peak-Hillgrove area, to undertake the detailed mapping and sampling survey of the historic antimony workings.

Figure 1: Regional geology plan map highlighting elevated Sb geochemical anomalies within Critical Resources Halls Peak project claim group.

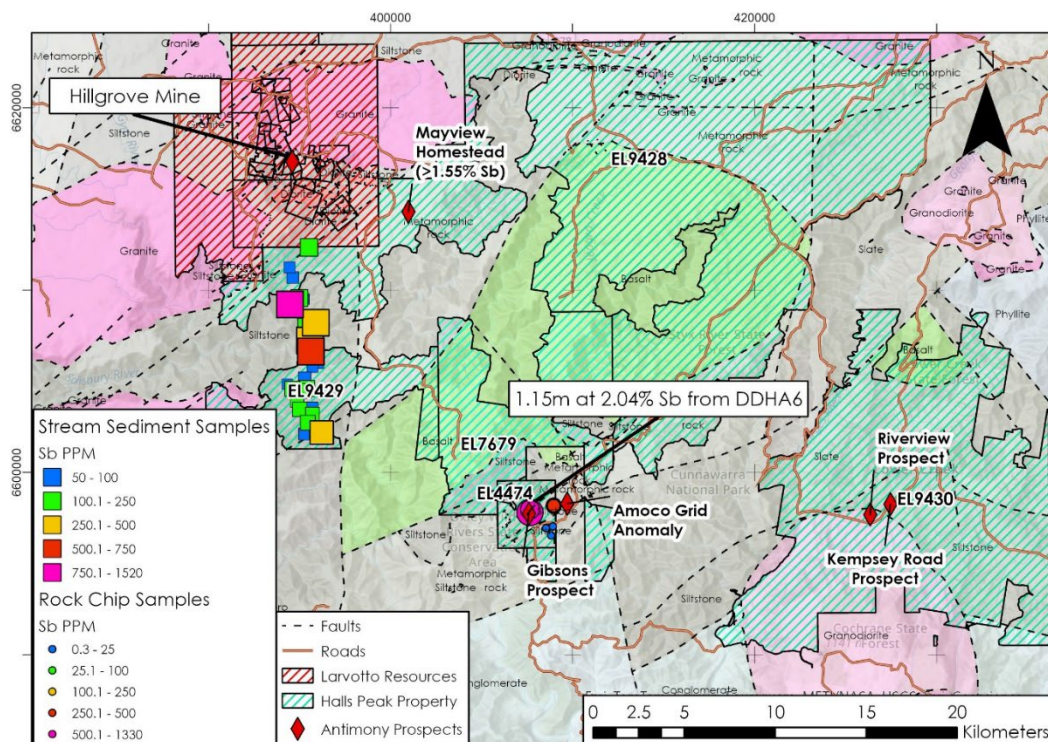
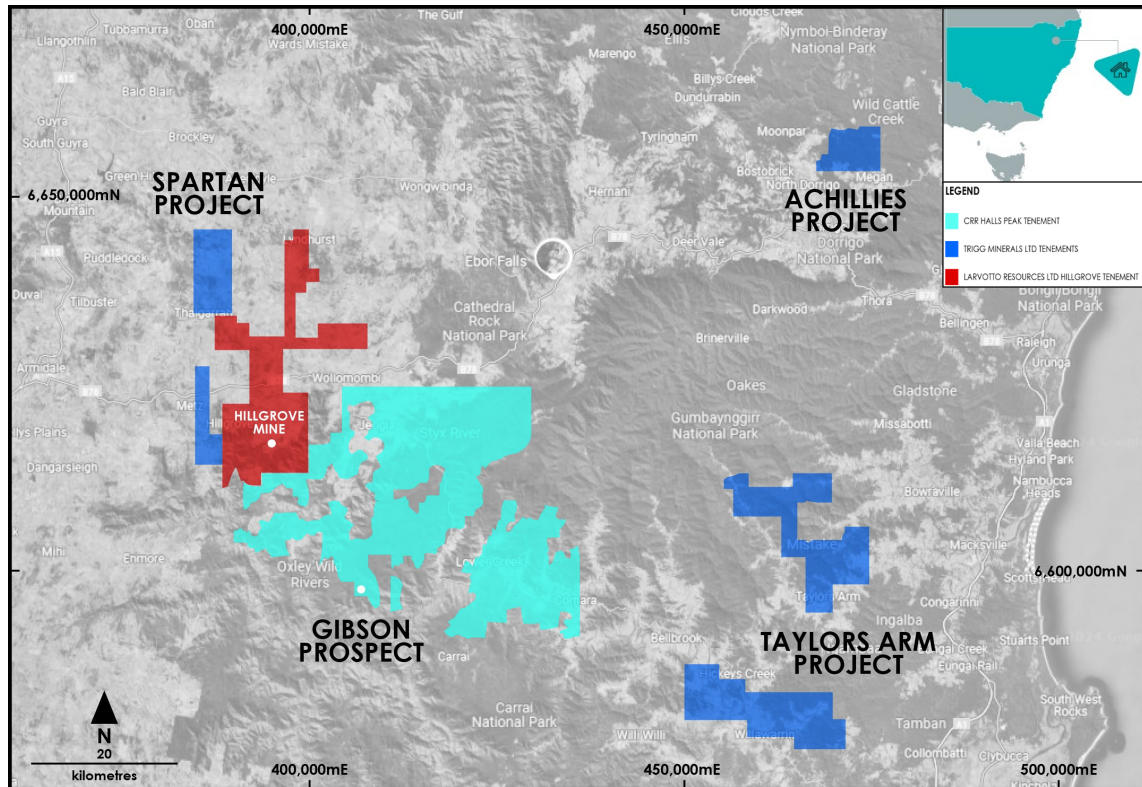


Figure 2: CRR's Project Location map showing proximity to significant Antimony-Gold projects in the region.



Halls Peak Resource Overview

The Company's Hall Peak maiden Inferred Mineral Resource of 884,000t grading 3.7% zinc, 1.5% lead, 0.4% Copper, 30ppm Silver and 0.1ppm Gold has been estimated following numerous drilling campaigns. Modelling has shown that mineralisation is still open along strike to the east/north-east and west/south-west, providing immediate potential to increase the MRE with follow-up drilling.

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

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For further information please contact

E: info@criticalresources.com.au

P: +61 (8) 9389 4499

ABOUT CRITICAL RESOURCES LIMITED

Critical Resources is focused on the exploration, development and delivery of the critical metals required for a decarbonized future, underpinned by a portfolio of lithium projects in Ontario, Canada which are ideally positioned to participate in the rapidly growing North American battery materials supply chain.

The Company's principal focus is on its flagship Mavis Lake Lithium Project in Ontario, Canada, where it has completed over 45,000m of drilling and defined a maiden Inferred Mineral Resource of 8Mt grading 1.07% Li₂O. Recent exploration success has demonstrated substantial potential to expand this resource and make new discoveries in the surrounding area. Critical is progressing a dual-track strategy at Mavis Lake of targeting resource growth in parallel with multiple permitting and project development workstreams.

COMPLIANCE STATEMENT

This announcement contains information regarding the Mavis Lake Mineral Resource Estimate extracted from ASX market announcement dated 5 May 2023 and reported in accordance with the 2012 JORC Code and available for



viewing at 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 relating to the Halls Peak Mineral Resource Estimate extracted from ASX market announcements dated 30 June 2023 reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("2012 JORC Code") and available for viewing at <https://www.criticalresources.com.au/> or <https://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 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 reported in accordance with the 2012 JORC Code and available for viewing at 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.

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