

## Detailed Geophysical Surveys Underway at Fiery Creek Project

### Highlights

- Detailed geophysical survey program commenced at the Fiery Creek Copper Project in the Mt Isa copper belt, Queensland. **Surveys include;**
- **Ground gravity survey at Piper and Fiery Creek prospects** commenced: data to be collected on 400m x 100m spacing from in excess of 3,000 stations; and
- **Induced Polarisation (IP) survey at Piper prospect** to follow completion of gravity survey: across three lines totalling ~3.3km
- Surveys will test areas of known outcropping copper mineralisation and are designed to provide data to **define targets for a maiden drilling program**
- Survey program expected to be completed by mid-October and results will be released once data processing and interpretation are complete.

**Aruma Resources Limited (ASX: AAJ)** ("Aruma" or "the Company") is pleased to announce the commencement of a detailed geophysical survey program at its Fiery Creek Copper Project in the Mt Isa copper belt, in northern Queensland.

The geophysical surveys form part of Aruma's expedited exploration plans at the Fiery Creek Project, and are designed to confirm targets for a maiden drilling program. They follow high-grade results of up to **11.83% copper** and **31.3g/t silver**, plus **antimony results of up to 10,883ppm Sb** from an initial surface sampling program (ASX announcement 10 September 2024).

The geophysical survey program includes a ground gravity survey and induced polarisation (IP) survey. The ground gravity survey is underway and will be followed immediately by the IP survey.

The objective of the geophysical surveys is to deliver drill-ready targets for a maiden drilling program at the Fiery Creek Project, currently planned for early calendar 2025 (subject to results).

Broad scale gravity and magnetic surveys have been conducted at the Fiery Creek area, but the data is of insufficient resolution prospect scale targeting. Aruma's detailed ground-based geophysical surveys will complement the existing geophysical data and provide a better understanding of the structure and alteration systems within the target areas.

### Ground gravity survey

The ground gravity survey is targeting key prospects, where fieldwork to date has identified significant outcropping copper, silver and antimony trends. These include the Piper prospect in the north of the Project and the Fiery Creek prospect in the southern part of the project, plus the wider areas around the two prospects (Figure 1).

#### Aruma Resources Ltd

ACN 141 335 364  
ASX: **AAJ**

#### Issued Capital

222,058,172 Shares  
54,930,003 Listed options  
68,500,000 Unlisted options

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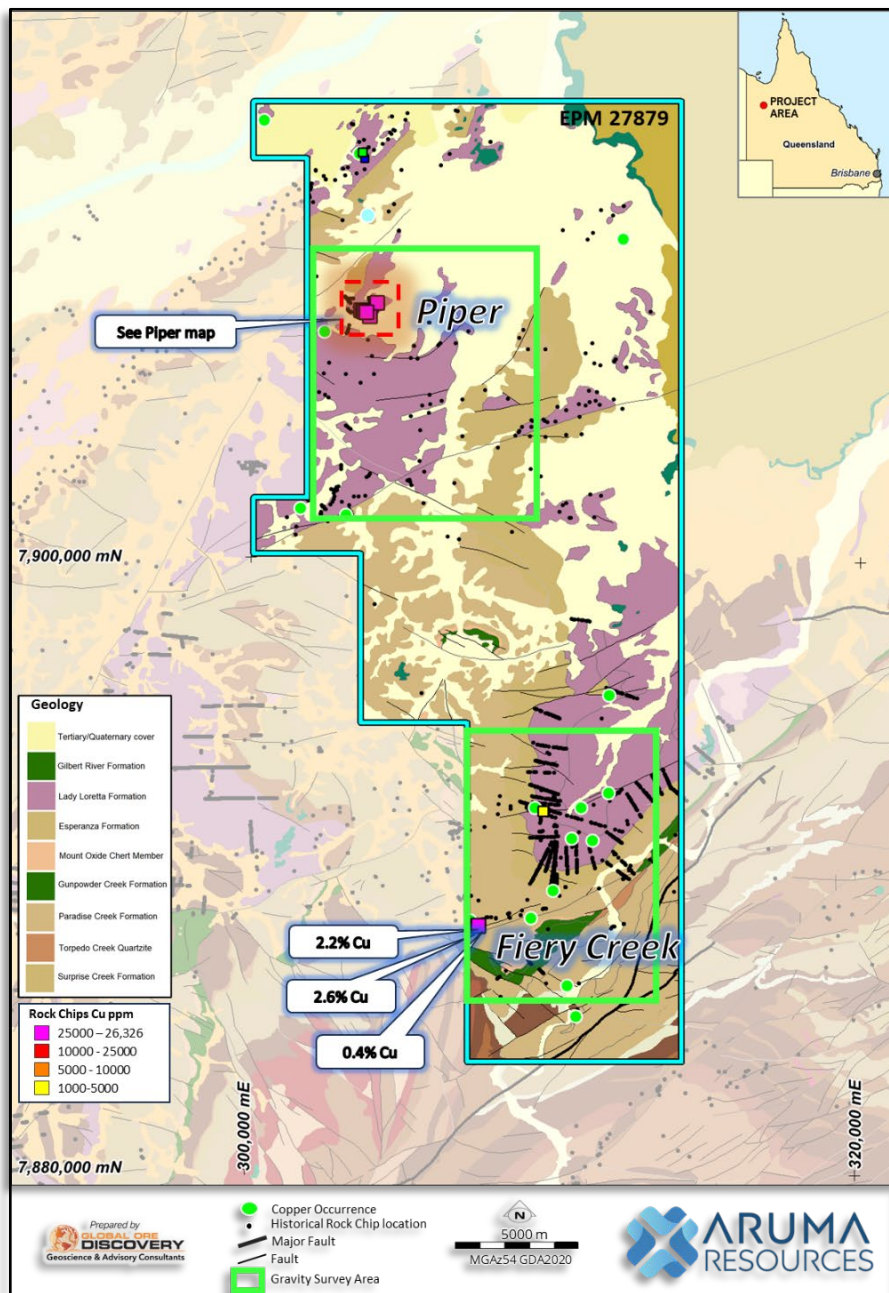
#### Board and Management

JAMES MOSES – Non-Executive Chairman  
GLENN GRAYSON – Managing Director  
BRETT SMITH – Non-Executive Director

Gravity data will be collected from in excess of 3,000 stations, at spacings of approximately 400m by 100m in north-south lines. The configuration of the gravity survey will significantly improve on the resolution of existing geophysical datasets.

**Aruma Resources managing director Glenn Grayson said:**

*“The commencement of the gravity and IP surveys mark an important step forward in our systematic exploration strategy at Fiery Creek. These surveys will help us better understand the subsurface geology and refine our drill targets, bringing us closer to unlocking the Project’s full potential. These exploration methods are considered effective in the exploration of the Mt Isa district. Using them to test the early targets defined at Fiery Creek, in the Piper and Fiery Creek prospects, allows us to not only advance these prospects to drilling, but to also determine if the methods can be applied to the greater project area.”*

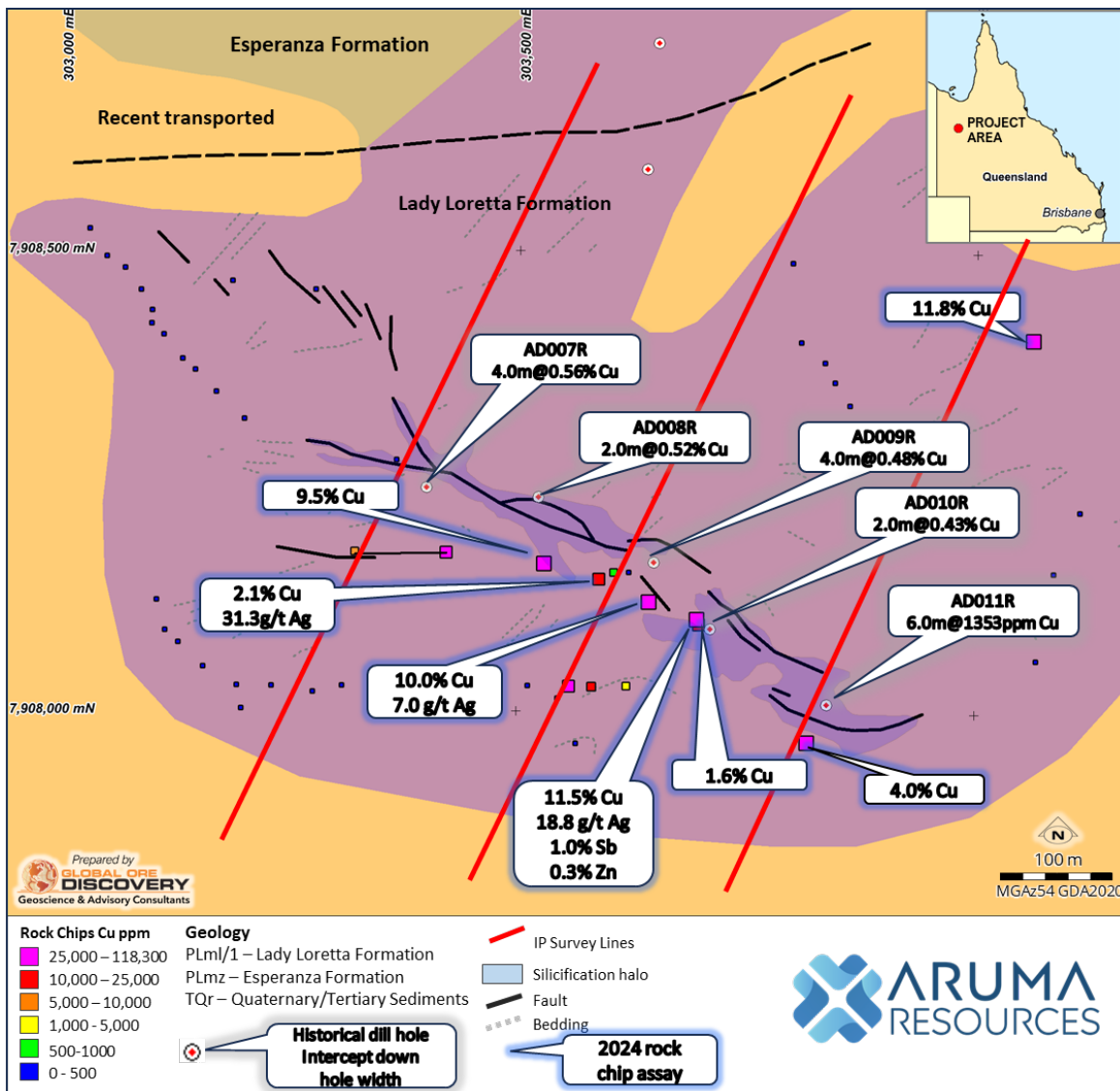


**Figure 1.** Locations of gravity survey. Survey; 400m spaced north-south lines with 100m spaced stations.

## IP survey

The IP survey will employ a static spread array with 50m receiver dipoles and 100m transmitter dipoles across three lines at Piper Prospect totalling approximately 3.3km, using a 0.125 Hz frequency to enhance data resolution and define subsurface chargeability and resistivity targets (Figure 2).

The aim of the survey is to deliver enhanced data that will be used to define targets for the maiden drilling program.



**Figure 2:** Piper prospect map showing the planned IP survey lines.

## Next Steps:

Following the completion of the ground gravity survey and IP survey, the results will be integrated with existing data to refine and finalise drill targets.

The Company will focus on detailed drill planning and coordinating with key stakeholders in preparation for a maiden drilling program. Aruma is committed to ensuring all operational and logistical arrangements are in place to commence drilling in early calendar 2025.

## Fiery Creek Project - Commentary

The Fiery Creek Project is strategically located within the Mt Isa Inlier in northern Queensland, a region which hosts world-class copper deposits. The geology of the Project is known to host deposits in other parts of the Mount Isa inlier, and the structural complexity of the Fiery Creek area is seen as an indicator of the Project's exploration potential.

Aruma's initial sampling at the Project has returned multiple high-grade copper results plus high grade silver, as well as antimony (ASX announcement of 10 September 2024).

In addition, historical exploration has yielded very high-grade copper results in surface rock chip sampling, including; **36% Cu** in sample FCR547 and **36% Cu** (FCR534) by Sumitomo at the Fiery Creek Prospect, and **25.4% Cu** (11502) at the Twilight prospect and **15.2% Cu** (10733) and **7.5% Cu** (10708) at the Hellfire prospect by Anglo American (AAJ): ASX announcement 30 July 2024).

Beyond the Piper and Fiery Creek prospects, the targets of Aruma's initial sampling program, there are elevated copper values and strong copper anomalism across the Project area, which highlights the under explored copper potential of the wider project area.

The southern half of the Fiery Creek Project contains outcropping Proterozoic carbonate sediments that are a common target for Mount Isa-style copper mineralisation.

The northern half of the Project is observed to have significant recent transported (Tertiary) cover, and surface sampling over this transported material (Wondoola beds) has been largely ineffective. There is also a lack of detailed geophysics to use for targeting in the northern part of the Project.

This announcement has been authorised for release by the Board of Aruma Resources Ltd.

**ENDS**

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### About Aruma Resources

Aruma Resources Limited (ASX: AAJ) is an ASX-listed minerals exploration company focused on the exploration and development of a portfolio of prospective projects in high-demand commodities – copper and uranium - in world-class mineral belts, in South Australia and Queensland. It also holds gold, lithium and REE prospective projects in Western Australia.



**Figure 3:** Aruma Resources project portfolio including Wilan IOCG-Uranium Project, South Australia and Fiery Creek and Bortala Copper Projects, Queensland.

### Competent person statement

The information in this release that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Glenn Grayson who is a Member of the Australian Institute of Geoscience (AIG). Mr Grayson is Managing Director and a full-time employee of the Company. Mr Grayson 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 Reserve'. Mr Grayson consents to the inclusion in the release of the matters based on his information in the form and context in which it appears. All exploration results reported have previously been released to ASX and are available to be viewed on the Company website [www.arumaresources.com](http://www.arumaresources.com). The Company confirms it is not aware of any new information that materially affects the information included in the original announcement. 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 announcements.

### Forward Looking Statement

Certain statements contained in this document constitute forward looking statements. Such forward-looking statements are based on a number of estimates and assumptions made by the Company and its consultants in light of experience, current conditions and expectations of future developments which the Company believes are appropriate in the current circumstances. These estimates and assumptions while considered reasonable by the Company are subject to known and unknown risks, uncertainties and other factors which may cause the actual results, achievements and performance of the Company to be



materially different from the future results and achievements expressed or implied by such forward-looking statements. Forward looking statements include, but are not limited to, statements preceded by words such as “planned”, “expected”, “projected”, “estimated”, “may”, “scheduled”, “intends”, “anticipates”, “believes”, “potential”, “could”, “nominal”, “conceptual” and similar expressions. There can be no assurance that Aruma plans to develop exploration projects that will proceed with the current expectations. There can be no assurance that Aruma will be able to conform the presence of Mineral Resources or Ore Reserves, that any mineralisation will prove to be economic and will be successfully developed on any of Aruma’s mineral properties. Investors are cautioned that forward looking information is no guarantee of future performance and accordingly, investors are cautioned not to place undue reliance on these forward-looking statements