

10 July 2023

EARAHEEDY PROJECT EXPLORATION UPDATE

HIGHLIGHTS

- 99 Aircore drill holes for 5,386m completed testing 7 targets
- Granted exploration licence added to the project
- Lodestar's total Earacheedy Basin exploration footprint now 1,420km²
- Extensive geochemical soil sampling programmes comprising 2,200 samples underway

Lodestar Managing Director Ed Turner commented:

"We are very happy to have completed our maiden drilling programme at Earacheedy and eagerly await the assays which we expect to be received in 6-7 weeks. Logging has confirmed the presence of dolerite sills within the sedimentary units. These help confirm our geological model and the potential for VMS style copper-gold mineralisation.

The acquisition of a highly prospective additional tenement is a further testament to our belief that the Earacheedy Basin is an emerging Tier-1 base metal province. Rumble Resources have recently proved the potential of the Earacheedy Basin with their announcement of their maiden resource which comprised 94Mt @ 3.1% Zn+Pb and 4.1 g/t Ag (19 April 2023 (ASX:RTR)).

The Earacheedy will continue to be the primary focus of our exploration efforts alongside our commitment to the Kangaroo Hills JV Project with Future Battery Minerals who have recently made a significant lithium discovery and recently commenced the third phase of exploration drilling."

Lodestar Minerals Limited ("LSR" or "the Company") (ASX:LSR) is pleased to report on the successful completion of our maiden drill programme at the Earacheedy Project (the "Project"). **Seven targets were tested with 99 holes comprising 5,386m** (Figures 1-3). All assays are pending. These targets were defined by both electromagnetic (EM) anomalies and soil geochemistry anomalies using ultrafine (UFF+) multi-element assaying methods developed by the CSIRO who also analysed and interpreted the assay data for LSR.

The drilling intersected dolerite sills within the sedimentary sequence of rocks at several locations within the seven targets. Mafic volcanic rocks can be an important ingredient in VMS style copper-gold mineralised systems as a source of copper, similar to the DeGrussa Copper Deposit which is located in the neighbouring Bryah Basin. Limited historic drilling within Lodestar's tenements has intercepted high grade copper including **2m @ 4.65% Cu and 3m @ 1.97% Cu** at the **Main Gossan Prospect** (see ASX announcement dated 21 December 2021 (ASX:LSR)).

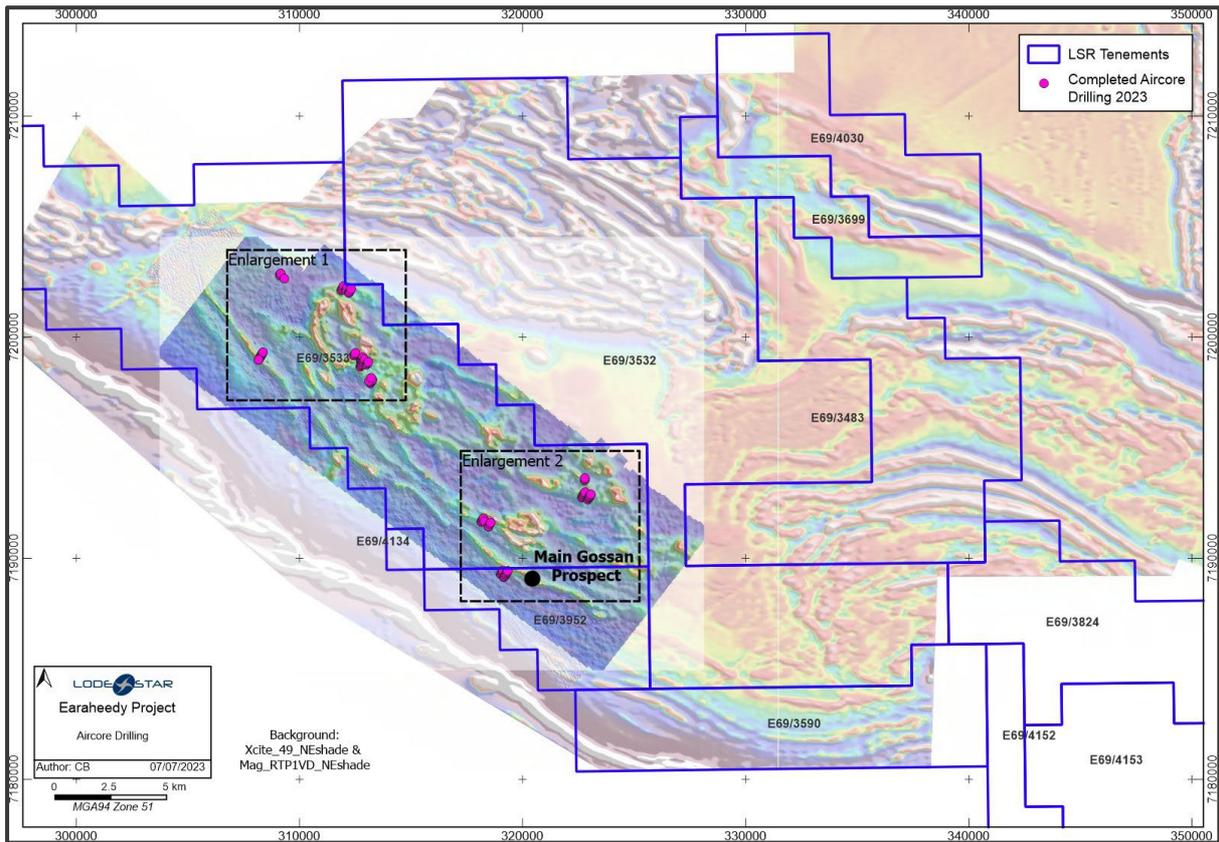


Figure 1: Drill hole location plan on aeromagnetics background.

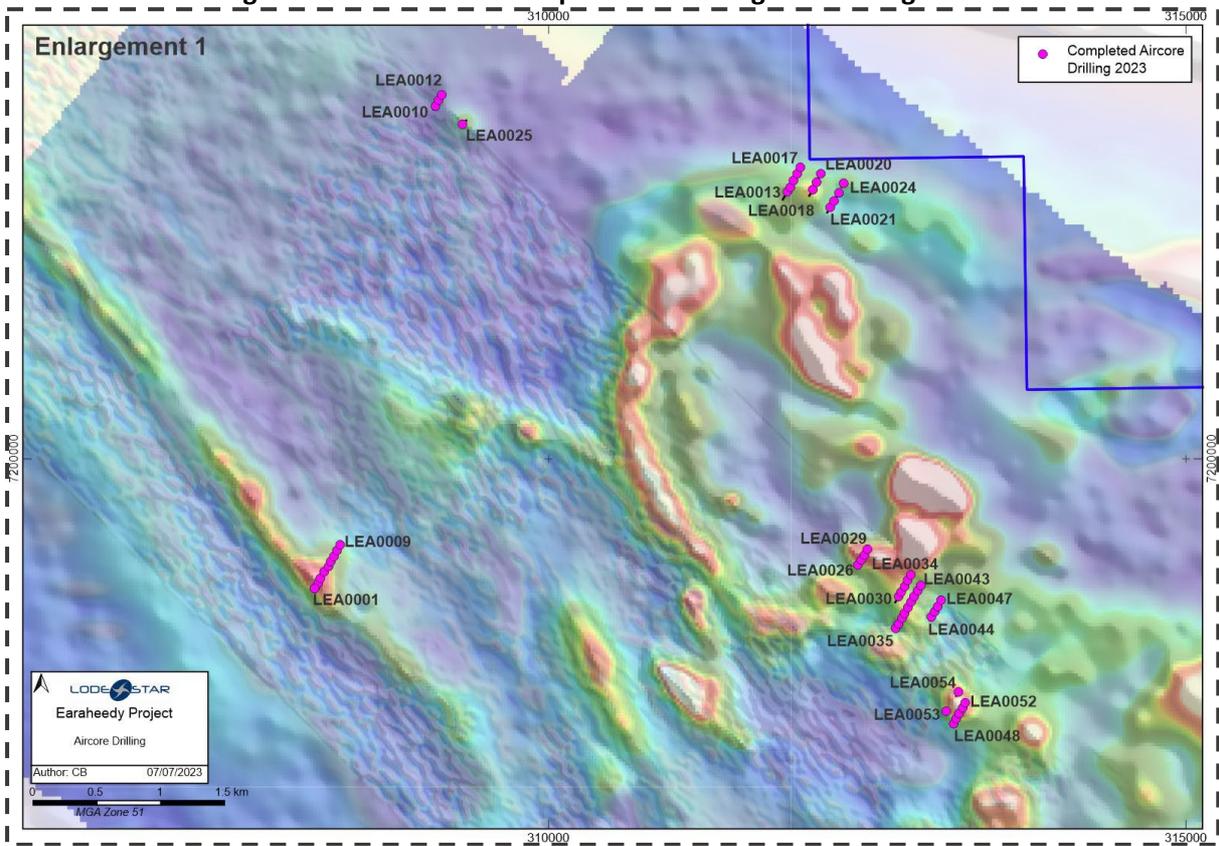


Figure 2: Northern Area of the Aircore drilling (Enlargement 1)

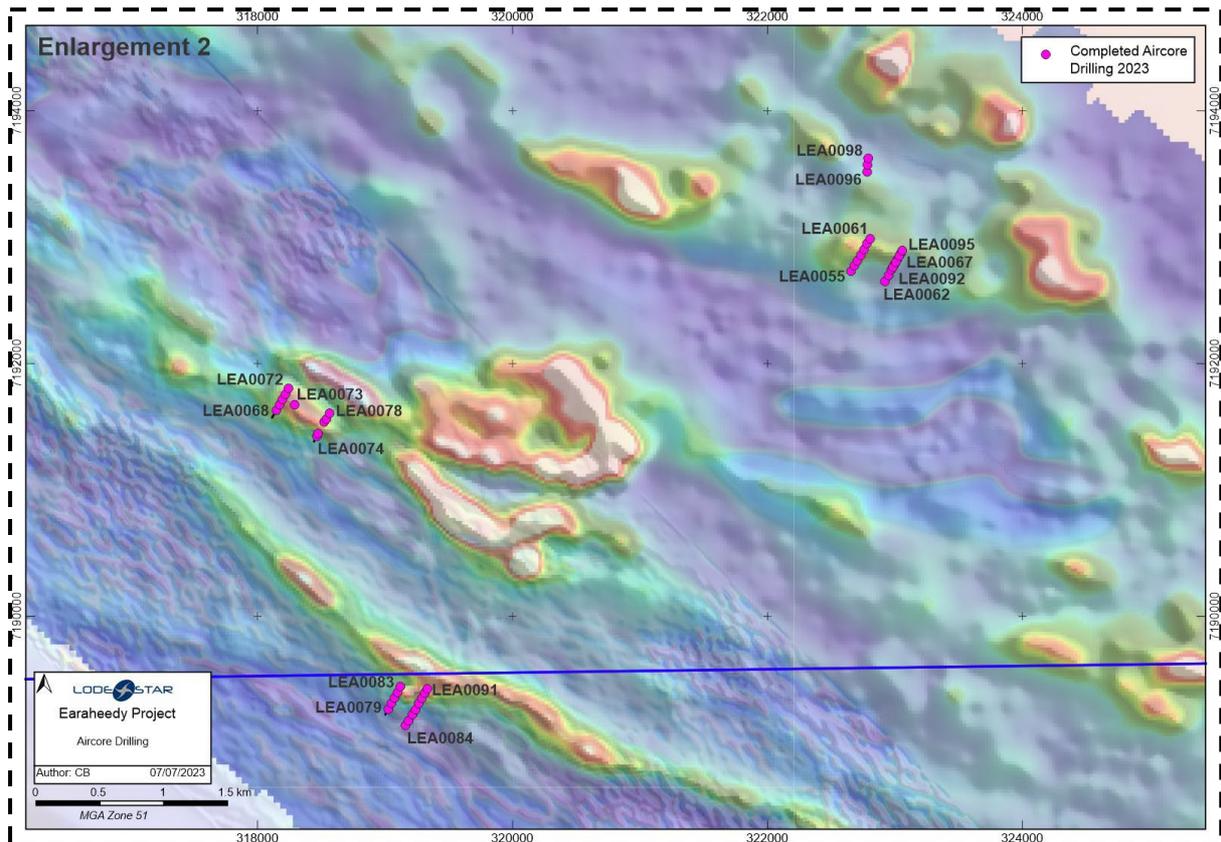


Figure 3: Southern Area of the Aircore drilling (Enlargement 2)

LSR has agreed to purchase an additional Exploration Licence (E69/3824) which is 76km² in area and contiguous to the main block of tenements at Earahedy. It includes a further 15km of strike length of the unconformity between the Frere Formation and the underlying Yelma Formation. Interpretation of the magnetic data suggests this unconformity is a folded repetition of the same contact within Lodestar’s E69/4153 tenement immediately to the south thus enhancing the prospective target areas within the combined tenements (Figure 4).

The new tenement, which was granted on 1 September 2021, has undergone very limited historic exploration for base metals and gold. Lodestar is planning first pass soil geochemical sampling and geological mapping programmes for the September quarter.

In addition, several other soil sampling programmes totalling 2,200 samples have commenced over multiple areas that have never been previously tested. This sampling will be completed in July and assays expected in September.

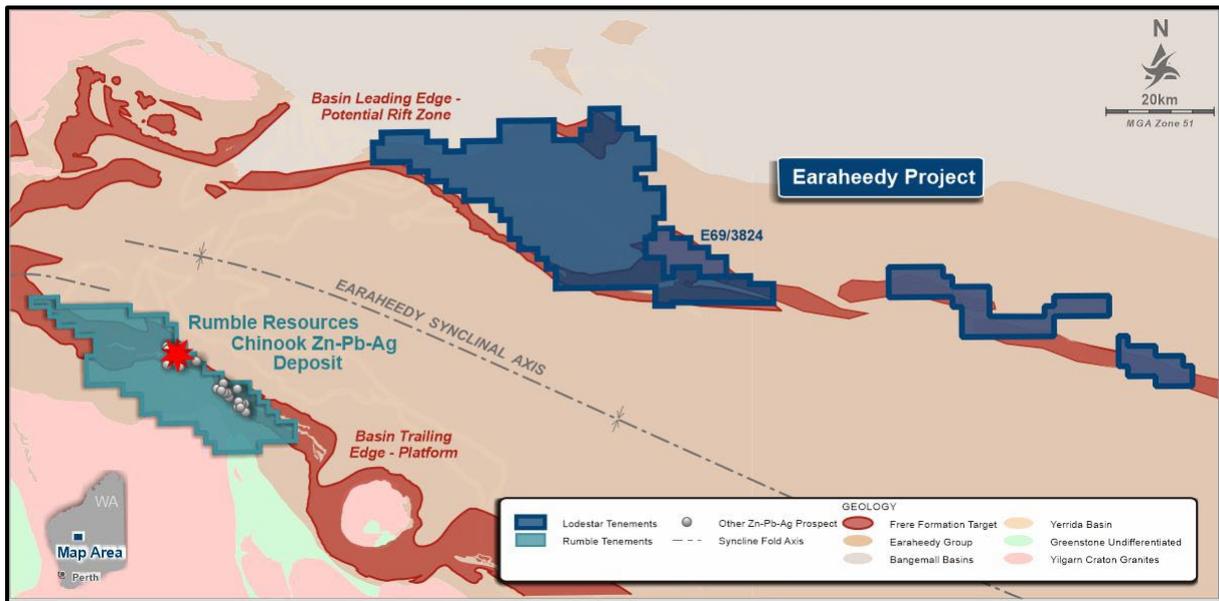


Figure 4: Earraheedy Project location with new tenement E69/3824

The Project now totals 1,420km² along the under-explored Earraheedy basin NE margin. The Earraheedy Basin is an emerging metallogenic terrane with Tier 1 base metal potential. It includes Zn-Pb-Ag targets with a similar geological setting as Rumble Resources Chinook Discovery which is located on the unconformity between the Frere Formation and the underlying Yelma Formation. Rumble recently announced a maiden Mineral Resource Estimate (MRE) of **94Mt @ 3.1% Zn+Pb and 4.1 g/t Ag** on 19 April 2023 (ASX:RTR). Lodestar now has approximately 100km strike length of the targeted Yelma-Frere unconformity within its tenements (Figure 5).

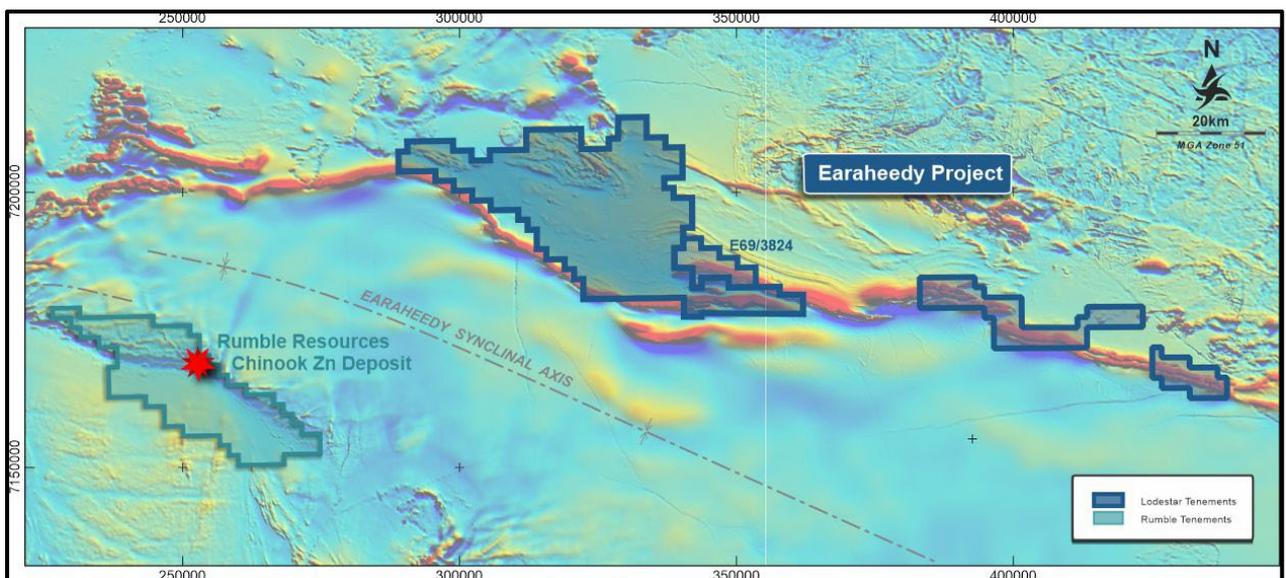


Figure 5: Earraheedy Project tenements on aeromagnetic background

E69/3824 Acquisition Terms

- The Vendor is Recharge Resources Pty Ltd, a wholly owned subsidiary of BPM Minerals Ltd.
- Lodestar will be the 100% owner of the project upon completion.
- Acquisition Value:
 - \$25,000 cash.
 - \$75,000 of fully paid ordinary shares in Lodestar Minerals Ltd. at an issue price of \$0.005 (15,000,000 shares). The shares will be issued pursuant to ASX Listing Rule 7.1.
 - 1% Net Smelter Royalty (NSR) on all minerals.
 - Payable within 5 business days of execution of sale agreement.
- Acknowledgement of existing 1% NSR and buy back clause (in case of tenement surrender, relinquishment, or non-renewal) from Binding Heads of Agreement from May 2021 BPM transaction.

This announcement has been authorised by the Board of Directors of the Company.

-ENDS-

Contacts

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Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Ed Turner, Managing Director, who is a Member of the Australasian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Turner consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

This announcement is available to view on the Lodestar website. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market 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 market announcement.