

18 October 2022

## EARAHEEDY – HERITAGE SURVEY UNDERWAY ON PRIORITY FLEM TARGETS

### HIGHLIGHTS

- Heritage survey commences over the MC8 and MC9 FLEM targets
- Drilling companies being shortlisted to commence drilling upon completion of survey and site works
- Highly prospective targets for copper-gold and PGE

Lodestar Minerals Limited (“Lodestar” or “the Company”, ASX:LSR) advises that a heritage clearance survey has commenced on the Company’s Earacheedy base metal project, located on the northern margin of the Earacheedy Basin (see Figure 1). The Proterozoic sedimentary-mafic sequence within the project has the potential to host SEDEX, VMS-style and epigenetic, structurally controlled base metal mineralisation.

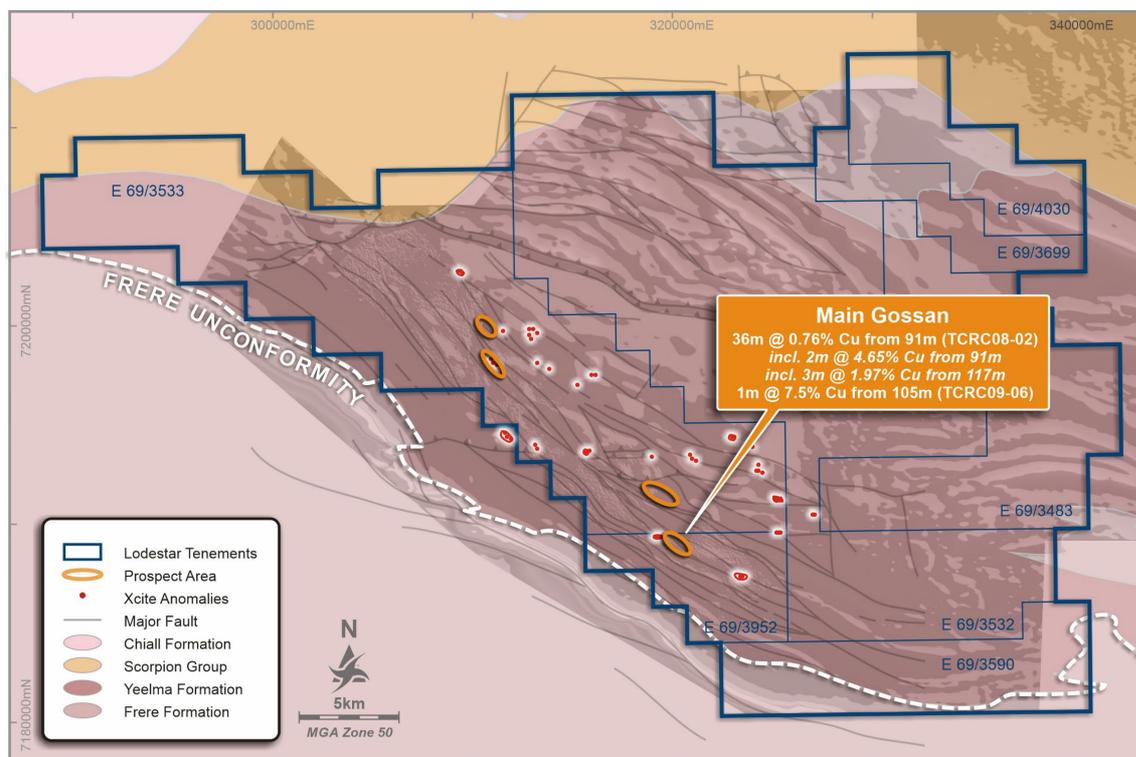


Figure 1 Earacheedy Imbin Project tenements, showing Excite EM conductors and Main Gossan prospect on aeromagnetic image.

The heritage survey is being conducted over the MC8 and MC9 fixed loop electromagnetic (FLEM) conductors by the Traditional Owners working with the Mungarlu Ngurrarankatja Rirraunkaja Aboriginal Corporation. The MC8 and MC9 modelled conductors represent priority drill targets (see Lodestar’s ASX announcements dated 15<sup>th</sup> December 2021 and 28<sup>th</sup> September 2022 and Figure 2) and drilling will be scheduled on receipt of heritage clearance and program of work approval.

Results from the regional UFF+™ geochemical program are awaited and will guide the selection of multiple additional FLEM and drill targets from the 30 conductors identified by the airborne Xcite™ electromagnetic survey.

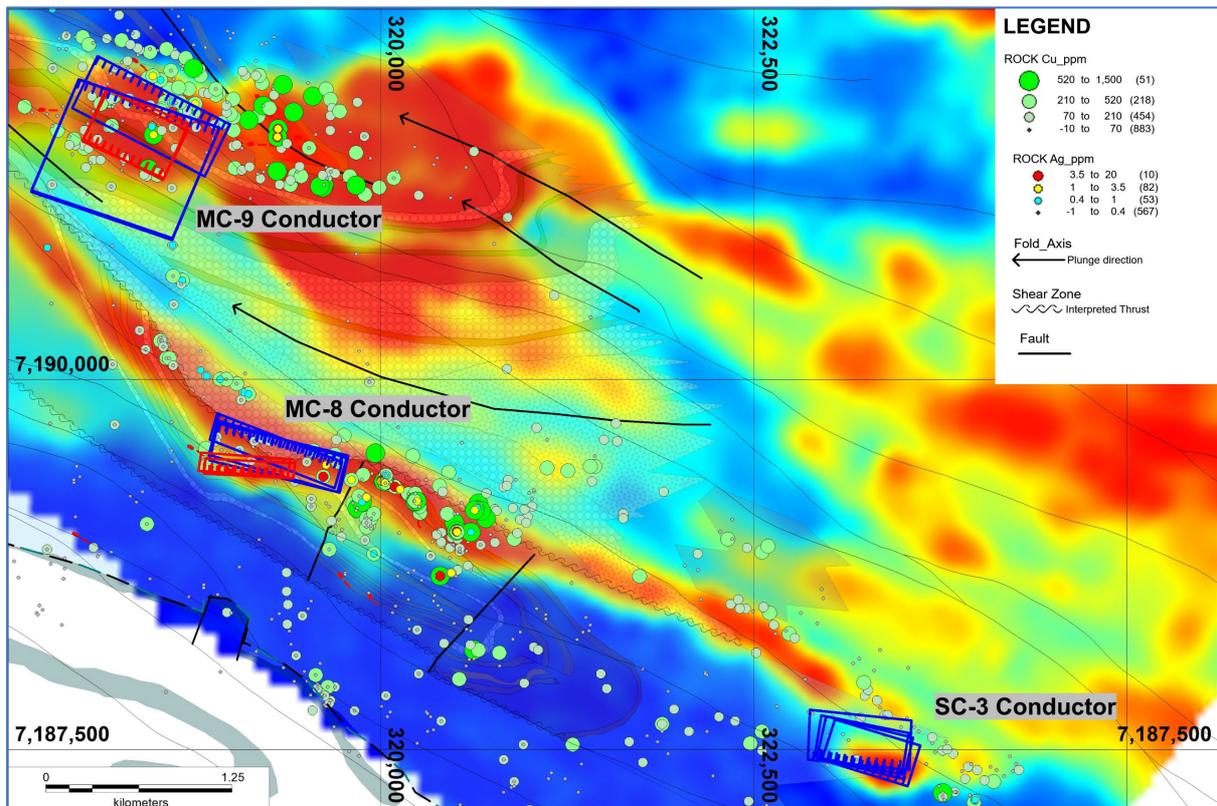


Figure 2 Target FLEM conductors with historic prospects and rock Cu-Ag geochemistry, Background – EM conductivity B-field late-time, SE shade. MGA94 Zone 51.

This announcement has been authorised by the Managing Director, on behalf of the Board of Directors of the Company.

## Contacts

Bill Clayton	Media enquiries
Managing Director <a href="mailto:info@lodestarminerals.com.au">info@lodestarminerals.com.au</a> +61 8 9435 3200	Michael Vaughan, Fivemark Partners <a href="mailto:michael.vaughan@fivemark.com.au">michael.vaughan@fivemark.com.au</a> +61 422 602 720

## About Lodestar

Lodestar Minerals is an active Western Australian gold, base metal and lithium explorer.

Lodestar's projects comprise the advanced Nepean Nickel Project JV, the Ned's Creek JV and the 100% owned Camel Hills, Earraheedy-Imbin, Jubilee Well, Bulong and Coolgardie West projects.

The Earraheedy-Imbin Project is a major strategic land holding in the emerging Earraheedy Province, site of Rumble Resource's recent and potentially world-class Zinc-Lead discoveries. The Imbin Project is located on the northern margin of the prospective basin and is the site of significant historic copper intersections in drilling and approximately 20km of strike of the target Yelma-Frere unconformity.

Lodestar discovered multiple zones of syenite intrusion-related gold mineralisation at the Ned's Creek Project on the Yilgarn craton margin, 150km west of Imbin. Vango Mining Limited is earning a 51% interest in the Ned's Creek JV by contributing \$5M of expenditure over 3 years.

Bulong and Jubilee Well are within highly endowed gold districts; first-pass drill programs have been planned. Coolgardie West, located 12km west of Coolgardie, has potential for greenstone hosted gold, nickel and LCT pegmatite mineralisation with priority lithium and gold drill targets identified by soil geochemistry.

## Competent Person Statement

*The information in this report that relates to Exploration Results is based on information compiled by Bill Clayton, 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 Clayton consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.*

*The information in this announcement that relates to previously released exploration results was disclosed under JORC 2012 in the ASX announcements dated*

- 15<sup>th</sup> December 2021 "Earraheedy Imbin - Exploration Update".
- 28<sup>th</sup> September 2022 "FLEM identifies Earraheedy Drill Targets".

*These announcements are 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.*