

4 July 2022

## Soil Geochemistry Program Underway at Earaaheedy-Imbin

Lodestar Minerals Limited (“**Lodestar**” or “**the Company**”) (ASX:LSR) provides the following update on exploration activity on the Company’s Earaaheedy-Imbin project. The Earaaheedy-Imbin project is located on the northern margin of the Earaaheedy Basin and 70km north east of Rumble Resource’s Chinook Zn-Pb discovery (see Figure 1).

### HIGHLIGHTS

- **An extensive program of soil geochemistry commences over multiple priority EM conductors identified by the Xcite heli-EM survey<sup>1</sup>.**
- **Program of approximately 2,000 samples designed to test 28 conductors representing potential base metal targets within the “Imbin Corridor”, a 20km long zone of Cu-Au anomalism and drill intersections grading up to 7% copper<sup>2</sup>.**
- **Lodestar joins with CSIRO in the NextGen Ultrafine project, bringing CSIRO expertise to bear on the under explored northern margin of the Earaaheedy Basin.**

A wide-ranging program of soil sampling is underway following significant unseasonal rainfall recorded in May. The program represents the next step in confirming high value drill targets expected to be tested in the coming months.

The key objective of the program is to define drill targets using geochemistry to prioritise the most prospective conductors. The ultrafine UFF™ soil sampling method is a comprehensive multi-element method suited to the Earaaheedy-Imbin project where generally thin sand cover has previously impeded effective geochemical sampling.

The program will take up to three weeks to complete with CSIRO applying a sophisticated analysis package to aid interpretation of the data.

---

<sup>1</sup> See Lodestar’s ASX announcement dated 15<sup>th</sup> December 2021.

<sup>2</sup> See Lodestar’s ASX announcements dated 17<sup>th</sup> July 2014 and 2<sup>nd</sup> September 2021.

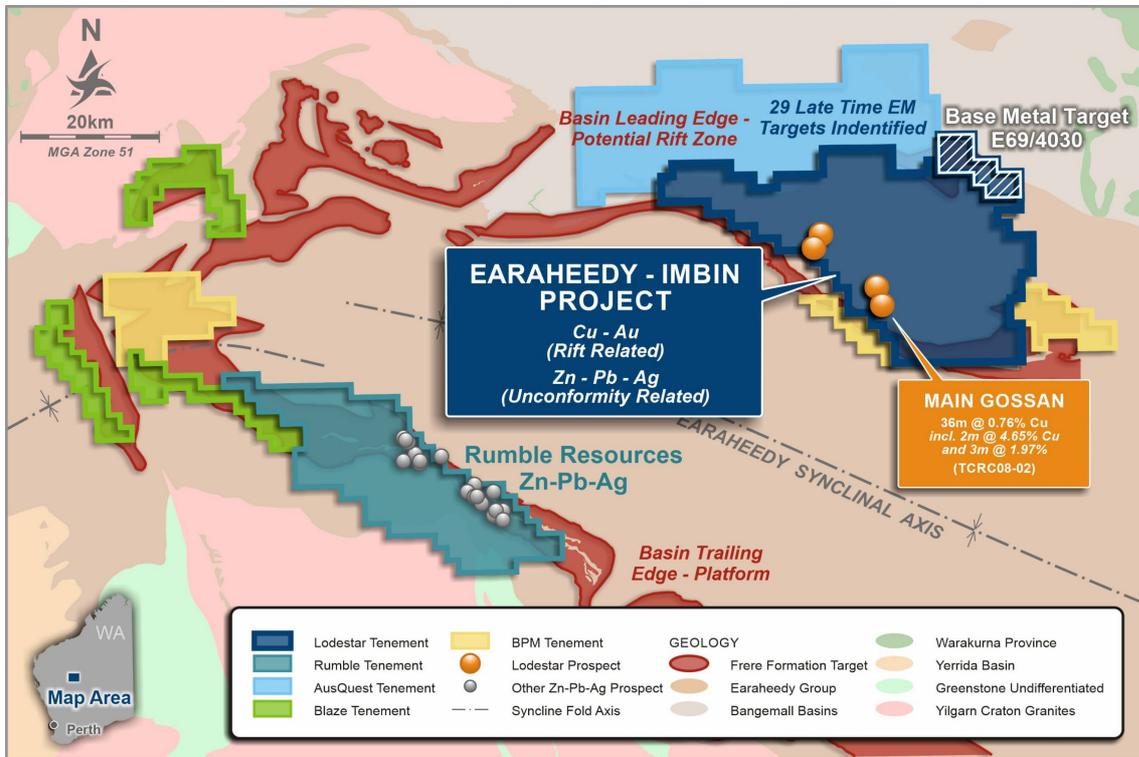


Figure 1 Location Plan, showing historic prospects and Rumble Resource's Zn-Pb discovery.

## 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 and base metal 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 recent acquisitions in 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*

- 17<sup>th</sup> July 2014 "Lodestar Corporate Presentation".
- 2<sup>nd</sup> September 2021 "Multiple Conductor Drill Targets Identified at Earraheedy Imbin Project".
- 15<sup>th</sup> December 2021 "Earraheedy Imbin – Exploration Update".

*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.*