

## PHASE II EXPLORATION COMMENCES AT MONJEBUP TARGETING REE IONIC CLAYS

### HIGHLIGHTS

- Phase II exploration commences with ionic clay sampling at Monjebup's Chillinup prospect within E70/6043
- Programme targeting zones around four (4) anomalous basement rocks with TREO (+Y) greater than 1000ppm, as well as soil sample locations over 1000ppm TREO (+Y)
- A total of ~1,450 samples to be collected upon completion, with grid clay sampling to occur at 50m intervals over 1000m x 1000m grids
- Drill targets to be generated in preparation for upcoming aircore drilling

Red Mountain Mining ("Red Mountain", "The Company") (ASX: RMX) is pleased to announce commencement of detailed grid clay sampling ("Phase II") at its Monjebup Rare Earths project, located in the southwest region of Western Australia.

Phase II sampling is expected to generate REE bearing clay targets around the anomalous orthogneisses with enriched REE. As announced on 15<sup>th</sup> January 2024, initial phase due diligence and infill sampling analytical results revealed source rocks with >1000ppm TREO levels in four (4) specific zones and confirmed anomalous REE within soils in three (3) locations, see circles in Figure 1 below.



Figure 1: Monjebup sampling results with REE source rocks located in four areas. Datum GDA94-50S

The Phase II programme will target specific clays around these hard rock locations with 1000m x 1000m grids and 50m sample spacings leading to 1,482 planned sites. At each site a hand auger will be used to access the clays at depths >0.4m and up to 1kg of clay collected at each site. The four sites are Stockwell Road, Chillinup Road, Dump Road and Dump Road extension, note the later 3 grids overlap, refer to Figure 2.

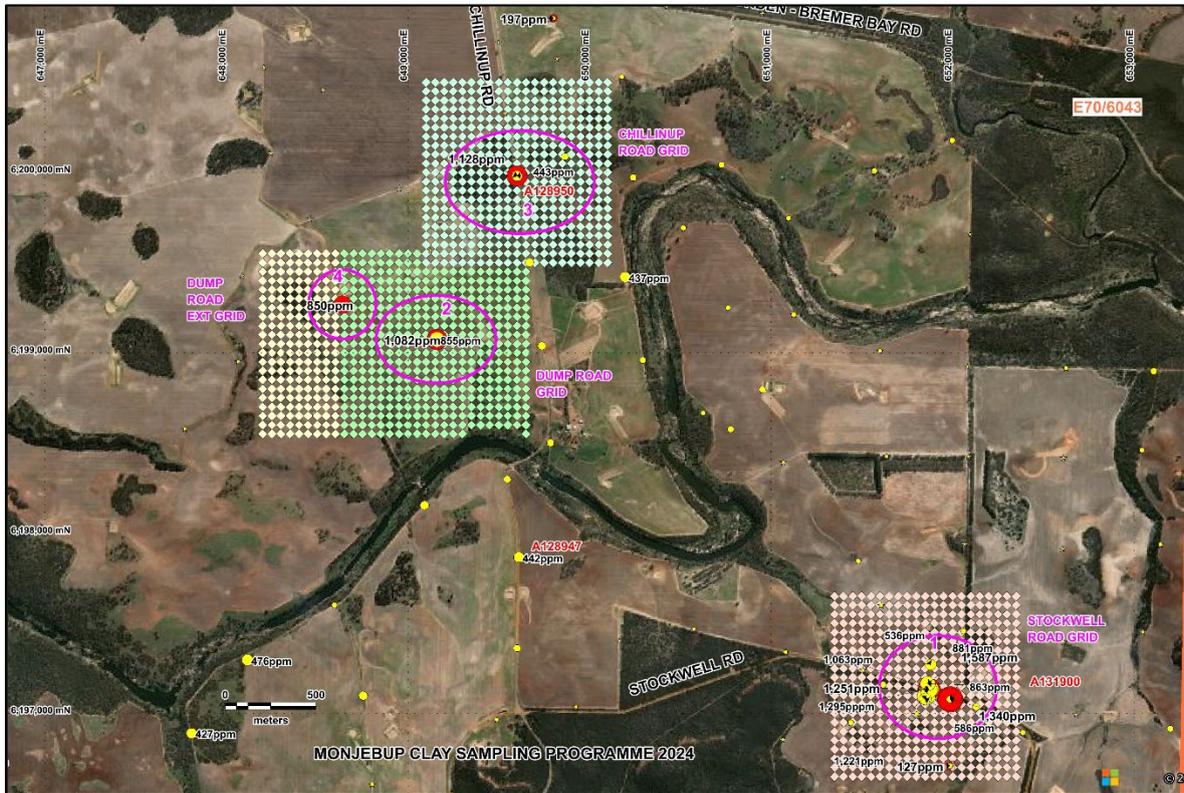


Figure 2: Chillinup clay sampling grid coverage with the first phase TREO sample results by thematic, yellow for soils and red for rock Datum GDA94z50

### Generation of Drill Targets to Follow

It is expected that this grid clay sampling programme will assist in generating targets for aircore drilling follow up. The drill plan will be formulated once the assay results have been received and analysed.

Authorised for and on behalf of the Board,



**Mauro Piccini**  
Company Secretary



## **About Red Mountain Mining**

Red Mountain Mining Limited is an ASX-listed (ASX: RMX) mineral exploration and development company. Red Mountain has a portfolio of critical minerals including lithium, rare earth and gold projects, located in the USA and Australia. The Company's flagship project is based in Nevada USA, prospective for lithium claystone mineralisation. The Company's other projects include the Monjebup Rare Earths Project and the Koonenberry Gold Project.

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The information in this announcement that relates to Exploration Results and other technical information complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). It has been compiled and assessed under the supervision of contract geologist Mark Mitchell. Mr Mitchell is a Member of the Australasian Institute of Geoscientists and 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 JORC Code. Mr Mitchell consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.