

6th July, 2023

ASX: MTM

SOIL SAMPLING PROGRAM UNDERWAY TO EXTEND KNOWN REE MINERALISED AREAS AT EAST LAVERTON

Highlights:

- An expanded geochemical soil sampling program has commenced in the Pt Kidman prospect area at the East Laverton REE project
- The program aims to identify additional surface REE anomalies over the MTM tenement area
- Soil sampling has been effective at identifying zones of clay-hosted REE mineralisation within the weathering profile
- Follow-up aircore drilling proposed to test any new anomalies

MTM Critical Metals Limited (ASX:MTM) (MTM or the **Company**) advises that the Company is extending its geochemical soil sampling program at its Pt Kidman prospect, part of the East Laverton project, located in the northern Eastern Goldfields of Western Australia (Figure 1).

MTM has previously utilised surface geochemical sampling to identify rare earth element (REE) anomalies at Pt Kidman. Subsequent aircore drilling has confirmed that significant zones of shallow, laterally continuous clay-hosted REE mineralisation is associated with these anomalies (see MTM ASX announcements dated 19 August 2022, 17 November 2022 and 15 May 2023).

The soil sampling is proposed to extend the geochemical coverage in the Pt Kidman prospect area, incorporating areas that have limited prior exploration. The Company anticipates that it will identify more REE anomalies and further aircore drilling will be considered to test these areas.

Commenting on the geochemical sampling program, Managing Director Lachlan Reynolds said:

“Soil sampling has proven to be a very effective and rapid way to assess ground for REE anomalies at the Pt Kidman prospect. We expect the survey will generate new targets for drill testing within what we recognise as a district-scale development of clay-hosted REE mineralisation.

Our exploration team has mobilised to Laverton and the sampling work has commenced on the ground. We look forward to providing shareholders with updates as the work progresses and results are received.”

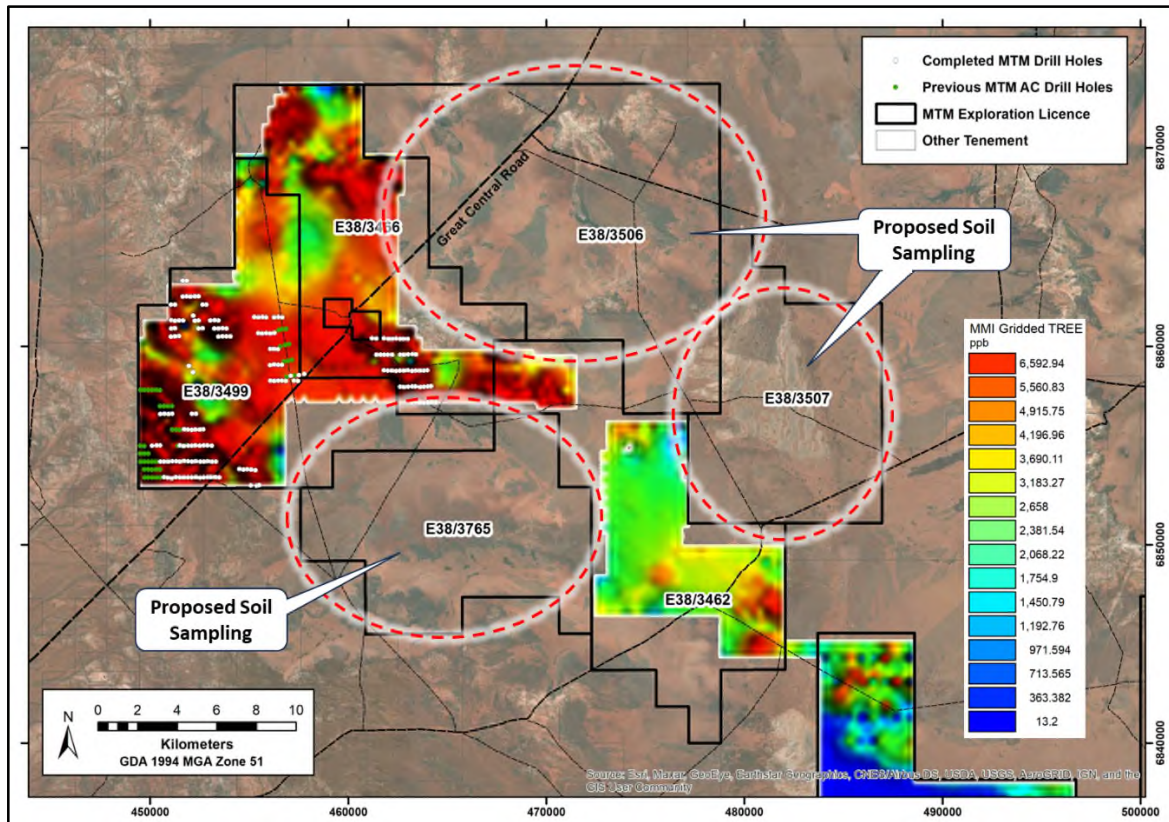


Figure 1: Location map of the East Laverton Project showing district-scale REE geochemical anomalies, the location of MTM drill holes and the areas where further soil sampling is proposed.

A program of approximately 3,250 soil samples is proposed in the current phase of work. The focus of sampling will be across MTM tenements E38/3506, E38/3507 and E38/3765. The sampling program should be completed over the next 4 to 6 weeks.

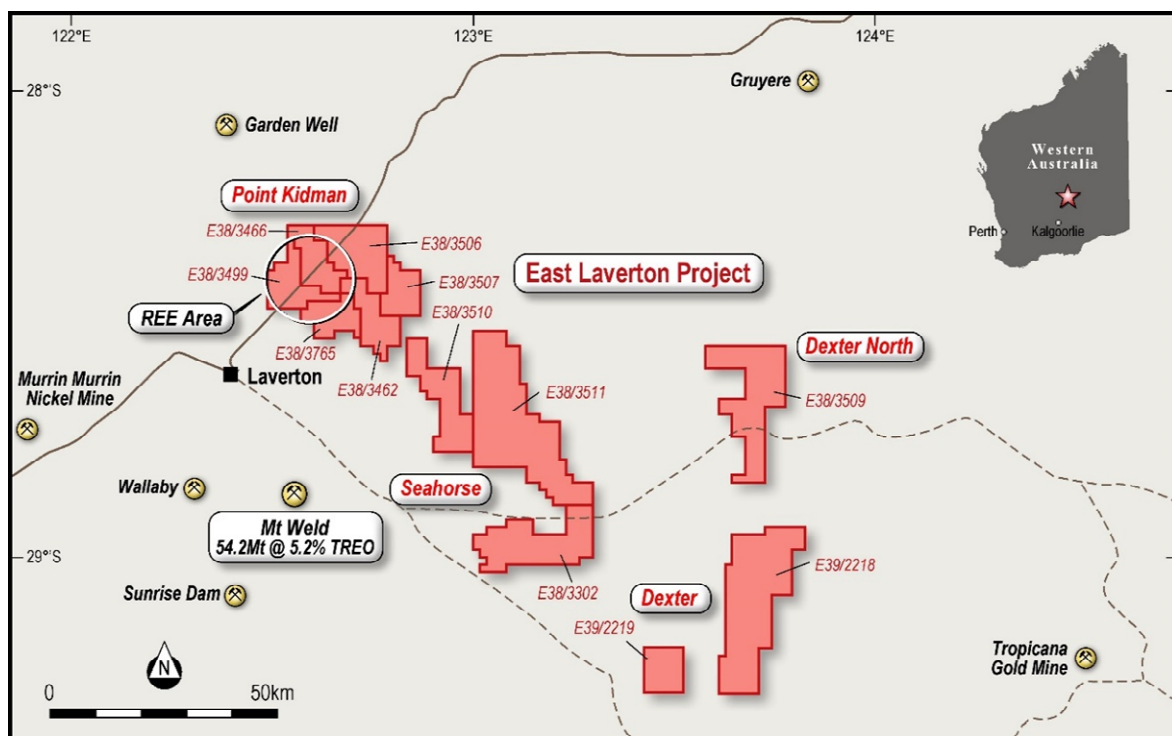


Figure 2: Location map of the East Laverton Project showing the known REE area at the Pt Kidman prospect area.

This announcement has been authorised for release by the Board of Directors.

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About MTM Critical Metals Limited

MTM Critical Metals Limited is an exploration company which is focused on searching for rare earth elements (REE), gold, lithium, nickel, and base metals in the Goldfields and Ravensthorpe districts of Western Australia and in the Abitibi region of the Province of Québec. The Company holds over 4,500km² of tenements in three prolific and highly prospective mineral regions in Western Australia and has an option to acquire, through an earn-in arrangement, a 100% interest in 2,400 ha of exploration rights in Québec, Canada. The East Laverton Projects is made up of a regionally extensive package of underexplored tenements prospective for REE, gold and base metals. The Mt Monger Gold Project comprises an area containing known gold deposits and occurrences in the Mt Monger area, located ~70km SE of Kalgoorlie and immediately adjacent to the Randalls gold mill operated by Silver Lake Resources Limited. The Ravensthorpe Project contains a package of tenements in the southern part of Western Australia between Esperance and Bremer Bay which are prospective for a range of minerals including REE, lithium, nickel and graphite. The Pomme project in Québec is a known carbonatite intrusion that is enriched in REE and niobium and is considered to be an extremely prospective exploration target adjacent to a world class REE resource (Montviel deposit). Priority drilling targets have been identified in all project areas and the Company is well funded to undertake effective exploration programs. The Company has an experienced Board and management team which is focused on discovery to increase value for Shareholders.

Competent Person's Statement

The information in this announcement that relates to Exploration Results is based on and fairly represents information compiled by Mr Lachlan Reynolds. Mr Reynolds is the Managing Director of Mt Monger Resources Limited and is a member of both the Australasian Institute of Mining and Metallurgy and the Australasian Institute of Geoscientists. Mr Reynolds has sufficient experience of relevance to the styles of mineralisation and 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 Reynolds consents to the inclusion in this announcement of the matters based on information in the form and context in which they appear.

Previous Disclosure

The information in this announcement is based on the MTM Critical Metals Limited (formerly Mt Monger Resources Limited) prospectus and the following ASX announcements, which are all available from the MTM Critical Metals Limited website www.mtmcriticalmetals.com.au and the ASX website www.asx.com.au.

- 19 August 2022, "Aircore Drilling Confirms Widespread REE Mineralisation at East Laverton"
- 17 November 2022, "Assays Confirm Rare Earth Element Mineralisation and District-Scale Potential at East Laverton"
- 15 May 2023, "Drilling Confirms Further Rare Earth Element Mineralisation and Increased Potential at East Laverton"

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements and that all material assumptions and technical parameters underpinning the relevant ASX announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original ASX announcements.

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