



## Significant expansion of Vanadium exploration portfolio with 3 new tenement applications surrounding CMG's flagship Lindfield Vanadium Project

### *Key Highlights*

- Critical Minerals Group Limited, through its wholly owned subsidiaries, has lodged three new tenement applications in Queensland.
- The new tenements are located within close proximity to the flagship project, the "Lindfield Project" significantly expanding CMG's footprint within the Julia Creek Toolebuc Formation.
- EPM 28636 application, referred to as "Lindfield North", potentially extends CMG's flagship Lindfield Project along strike with an additional 36 sub blocks.
- CMG's proprietary geological model suggests the areas will be highly prospective for Vanadium Pentoxide within the shallow oxidized zone.
- The new tenement applications add approximately 813km<sup>2</sup> to the existing portfolio in Queensland.

Critical Minerals Group Limited (**ASX:CMG, Critical Minerals Group, CMG** or the **Company**) is pleased to advise that the Company, through its wholly owned subsidiaries, has applied for three new exploration permits for minerals (**EPMs**) in Queensland comprising EPM 28635, EPM 28636 and EPM 28631 which are all located within close proximity, or adjacent to, the Company's flagship project known as the **Lindfield Project** (EPM 27872), located near Julia Creek in Northwest Queensland.

**Commenting on the three new tenement applications, Critical Minerals Group - Managing Director, Scott Dreincourt said:**

*"CMG is committed to expanding its portfolio of critical minerals and has been working hard over the past year to develop a pipeline of exciting additions. It is great to see the hard work paying off and we look forward to getting these tenements granted and working towards further resource expansion in the region."*

Whilst confident, there is no guarantee that the EPMS will be granted to the Company.



If granted, future exploration will aim to define shallow (surface to 30 m deep) Toolebuc Formation shales above the base of weathering. At this depth mining is not prohibitive and there are no oils present which allows for easier processing of the ore.

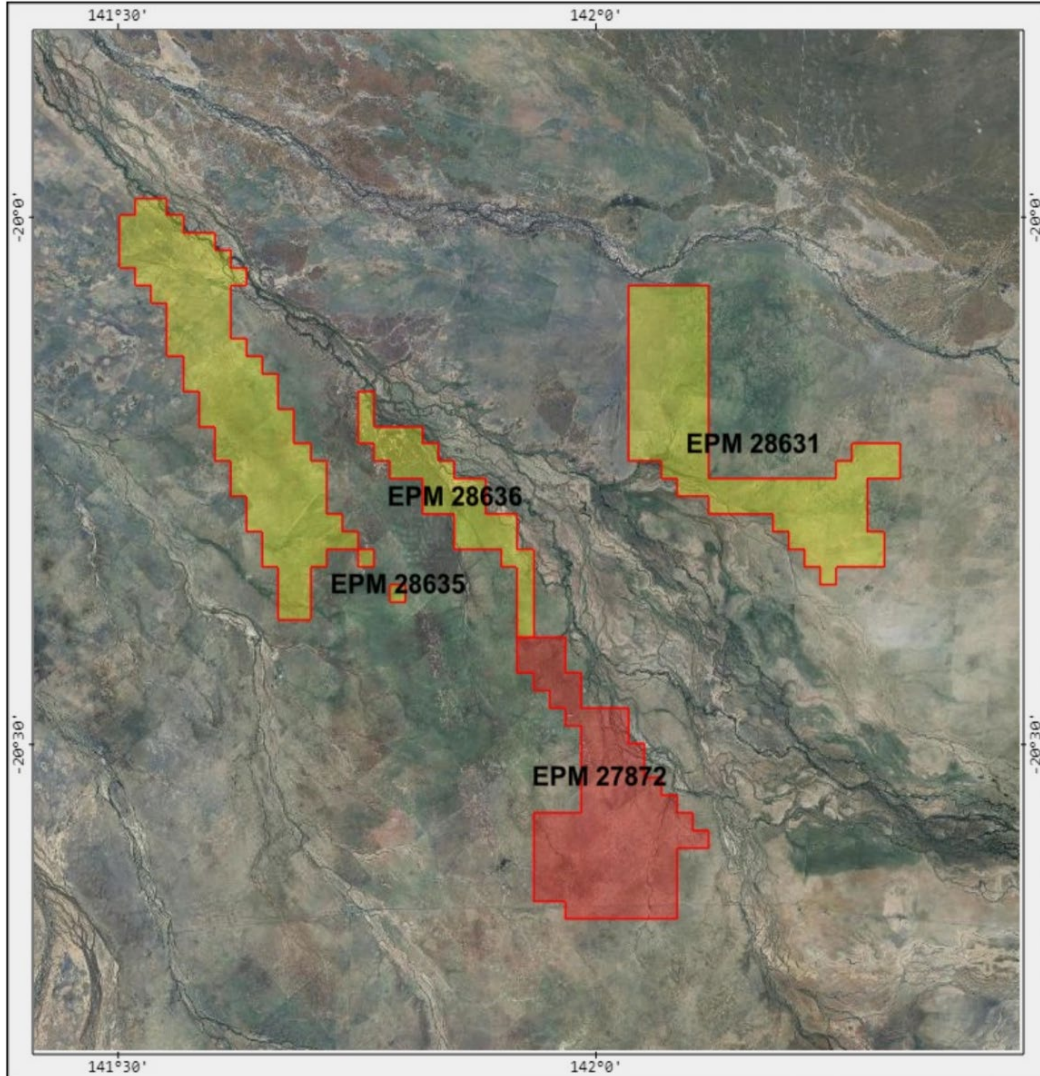
The tenement application areas intend to extend on exploration by previous explorers and known extensions to Vanadium mineralisation in the Company's already defined JORC resource (Inferred 210mt 0.39% V<sub>2</sub>O<sub>5</sub>) of its Lindfield Project (EPM 27872). Historical exploration works show the base of weathering across the Lindfield Project ranges from 14 m to 25 m, with a typical depth of 19 m. Thickness of the seam across the region ranges from approximately 8 to 15m thick.

The new tenement applications are as follows:

Project Name	Tenement	Holder	Area	Location	Target minerals	Interest
<b>Whinmoor</b>	EPM 28631 (application)	CMG 3 Pty Ltd (newly incorporated)	100 sub- blocks	60km North of Julia Creek	Vanadium and High Purity Aluminium	100%
<b>Lara Downs</b>	EPM 28635 (application)	CMG 3 Pty Ltd (newly incorporated)	118 sub- blocks	60km North West of Julia Creek	Vanadium and High Purity Aluminium	100%
<b>Lindfield North</b>	EPM 28636 (application)	Vanteq Minerals Pty Ltd	36 sub- blocks	65km North of Julia Creek	Vanadium and High Purity Aluminium	100%



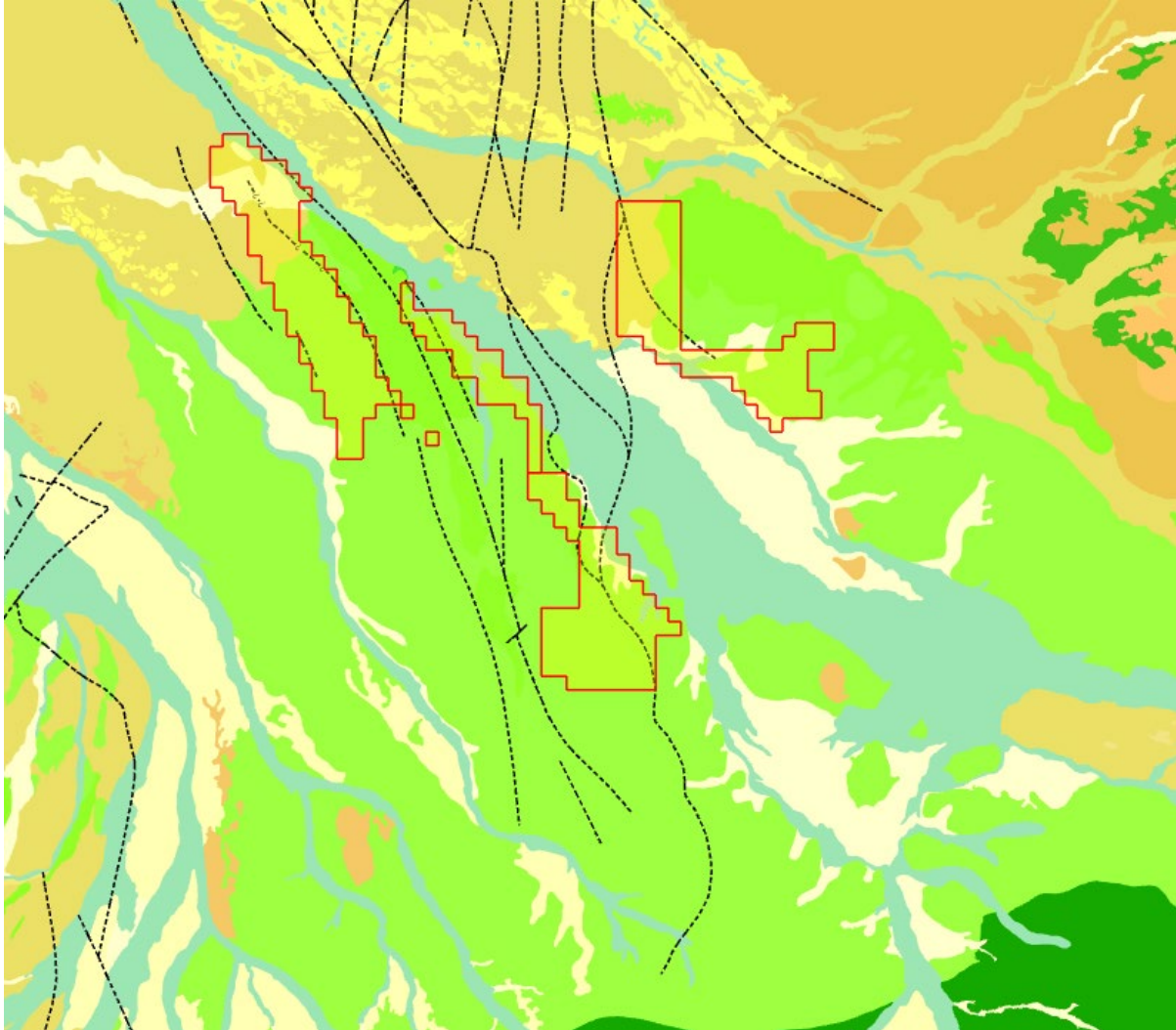
**Figure 1: Regional Tenement Map**



**Source:** Queensland Government, GeoResGlobe, Available at: <https://georesglobe.information.qld.gov.au/>



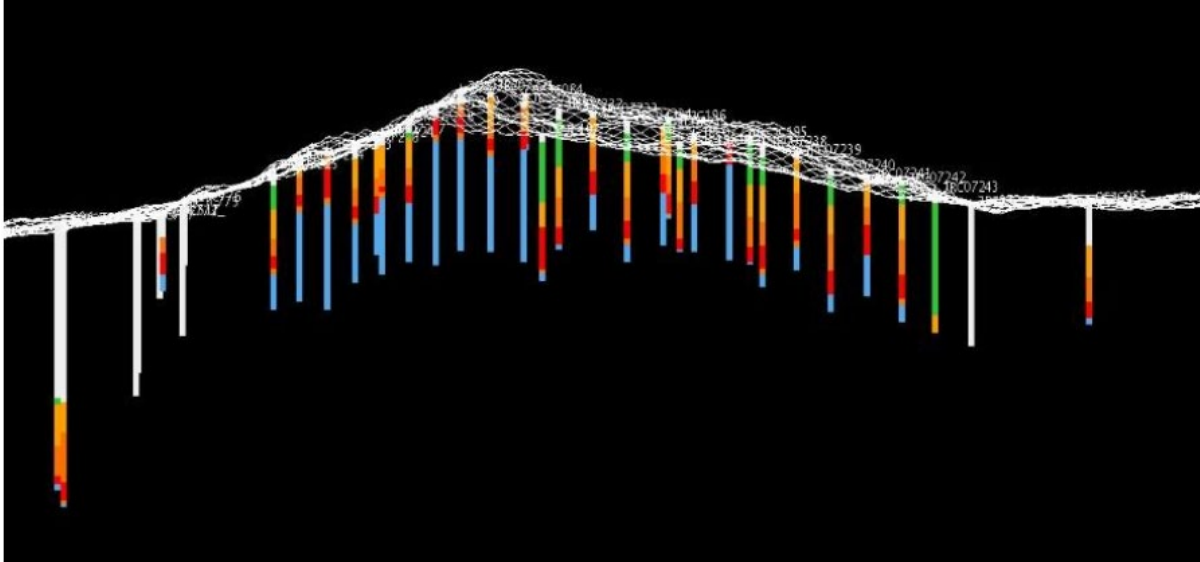
**Figure 2: Regional Geology**



**Source:** Queensland Government, GeoResGlobe, Available at: <https://georesglobe.information.qld.gov.au/>



**Figure 3: Deposit Cross Section (Lindfield North – EPM 28636)**



**Source:** Critical Minerals Group – Application for Exploration Permit for Minerals “Lindfield North”

Green – Mudstone Overburden, Orange and Red – Toolebuc Formation, Blue – Mudstone Floor

The above cross section details the shallow near surface nature of the deposit and extensive historical drilling data in the Company’s geological model.

Should the tenements be successfully granted, the Company has prepared a proposed work program targeting the areas of most significant interest. The program consists of a series of drill programs with the objective of developing a JORC resource within the shallow oxidised zones.

This announcement was approved by the board.

### **For more information:**

**Scott Dreincourt**

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### **Competent Person Statement**

The information above that relates to Exploration Results, Exploration Targets and Mineral Resources is based on, and fairly represents, information compiled by Adrian Buck, a Competent Person, who is a Member of AusIMM. Adrian Buck is the Principle Geologist –



Australia for John T Boyd Company. Adrian Buck has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activities which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the *'Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves'*. Adrian Buck consents to the inclusion of the matters based on their information in the form and context in which it appears.

## **Forward-Looking Statement**

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning planned exploration program and other statements that are not historical facts. When used in this document, the words such as “could”, “plan”, “estimate”, “expect”, “intend”, “may”, “potential”, “should” and similar expressions are forward-looking statements. Although the Company believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.