

Highly Prospective Mt Surprise Lithium Project Now Granted; Fieldwork to Commence

- The recently secured highly prospective Mt Surprise Lithium Project, located 57km northeast of the town of Mt Surprise in Queensland, has been granted by the Queensland Department of Resources.
- Metalicity will imminently commence fieldwork, with further mapping and targeted rock chip and soil sampling designed to target new pegmatites and lithium mineralisation across the extensive land holding.
- Many unspecified dykes have been interpreted by the Geological Survey of Queensland that will be investigated for pegmatites as part of this field program.
- A historic rock chip sample returned **3.55% Lithium**, 125ppm tantalum, 0.25% caesium and 1.26% Rubidium, highlighting the significant potential of the ground.
- Mt Surprise is considered prospective for lithium deposits hosted in pegmatites with various lithium minerals (i.e. both spodumene and lepidolite) and also in volcanic rhyolites (e.g. Rhyolite Ridge).

Metalicity Limited (ASX: MCT) ("MCT" or "Company") is excited to announce that the recently secured Mt Surprise Lithium Project (EPM 26052) in north Queensland, has been granted. The company is currently finalising targeted rock chip and soil sampling programs and will commence field work imminently.

The Project is well located circa 57km northeast of the town of Mt Surprise and is serviced by excellent infrastructure in the area and easy access. The Project has seen minimal exploration work and, in particular, not properly explored for lithium and other valuable associated metals.

Commenting on the grant of tenure, Metalicity CEO, Justin Barton said:

"We are excited to be able to commence field work on grant of this project so quickly after been able to secure this exciting tenure. Previous assays and field work undertaken on the tenure, although only in its infancy, shows very encouraging signs for the prospectivity of this ground with results of up to 3.5% lithium.

Our team are eager to commence follow-up fieldwork, with further mapping and targeted rock chip and soil sampling being finalised."

Follow up fieldwork

The geology of the area is characterised by the Silurian-aged Blackman Gap Complex, a medium to coarse-grained biotite-muscovite granodiorite and granite and pegmatite (Figure 1). The granite is overlain by various Carboniferous-aged volcanics including the Double Barrel andesite and tuff as well as the Gingerella rhyolites and ignimbrites .

Reconnaissance rock sampling was conducted by Monax in 2016 from an area identified as the Gingerella Site, which returned assay results outlined in the summary table below (See MCT announcement 18th August 2022).

Site	Easting	Northing	Li ₂ O (%)	Ta (ppm)	Cs (ppm)	Rb (%)
Gingerella	252747	8039644	3.55	125.5	2560	1.23
MGA94 (Zone 55)						

The sampled outcrop is described as close to a quarry working the Double Barrel andesite but specifically along a red/pink altered contact of the underlying Blackman Granite and/or pegmatite (Figure 1). Lithium minerals were described as lepidolite (lithium mica) however the mineralogy was never been confirmed.

Planned field programs will begin with a thorough field review of the Mt Surprise area including detailed geological mapping and collection of rock chip samples targeting new pegmatites and potential lithium mineralisation across the extensive land holding. Mineralogical analysis of selected rock chip samples from known outcrops will also be undertaken to confirm lepidolite mineralogy and any other potential LCT (Lithium-Caesium-Tantalum) bearing minerals that may be present (e.g. spodumene). It is important to note that many unspecified dykes have been interpreted by the Geological Survey of Queensland (Figure 1) that will be investigated for pegmatites as part of the upcoming field programs. Information collected from the field programs will help direct more targeted exploration campaigns in the near future including assessing the area for appropriate soil geochemistry techniques.



Figure 1. (Left) Sample of red/pink-altered contact with the Blackman Gap granite described as lepidolite
(Right) Sample described as lepidolite-rich pegmatite that assayed 3.55% Li_2O

Metalicity regards the Mt Surprise Project as prospective for lithium mineralisation and that the granites in the area are clearly fertile to produce LCT (Lithium-Caesium-Tantalum) pegmatites. Other lithium deposits styles such as rhyolite hosted deposits are also prospective given the Mt Surprise area contains similar host rocks within a volcanic caldera setting to the Rhyolite Ridge lithium deposit in USA.

This Announcement is approved by the Board of Metalicity Limited.

ENQUIRIES

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Metalicity confirms that the Company is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of “exploration results” that all material assumptions and technical parameters underpinning the “exploration results” in the relevant announcements referenced apply and have not materially changed.

Competent Person Statement

The information in this announcement that relates to previous Exploration Results based on and fairly represents information and supporting documentation prepared by Mr Leo Horn. Mr Horn is a **consultant for Metalicity** and a member of the Australian Institute of Geoscientists. Mr Horn has sufficient experience relevant to the styles of mineralisation and types of deposits that are covered in this announcement and to the activity that they are undertaking to qualify as a Competent Person as defined in the 2012 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code"). Mr Horn consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

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This announcement may contain certain "forward-looking statements" which may not have been based solely on historical facts, but rather may be based on the Company's current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have reasonable basis. However, forward-looking statements:

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(b) involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Such risks include, without limitation, resource risk, metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks in the countries and states in which the Company operates or supplies or sells product to, and governmental regulation and judicial outcomes; and

(c) may include, among other things, statements regarding estimates and assumptions in respect of prices, costs, results and capital expenditure, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions.

The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward-looking statements.

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