



## HERITAGE CLEARANCE RECEIVED AHEAD OF MAIDEN DRILL PROGRAM OVER GRAPHITE EXPLORATION DRILL TARGETS

---

### Highlights

- Landmark heritage survey completed over the McIntosh Graphite Battery Minerals Project, paving the way for a positive and productive relationship moving forward with the Malarngowem PBC.
  - The survey has provided clearance for all planned drilling on high-priority Graphite drill targets within the Company's significant Exploration Target of 67-100mt @ 2-5% TGC\*
  - A ~10,500m Reverse Circulation ("RC") drilling program is proposed to test the Graphite mineralisation at exploration targets which surround the Company's significant 24Mt @ 4.5% TGC resource at McIntosh.
  - GCM Maiden drill program planned to commence in May, with further details to be announced shortly.
- 

**Green Critical Minerals Pty Ltd** ("GCM" or "the Company") which holds earn-in rights for up to 80% of the advanced Ultra High Purity McIntosh Graphite Project (the "Project"; see GCM's announcement on 15 June 2022) is pleased to announce a heritage clearance survey has been completed at McIntosh by the Malarngowem Land Aboriginal Corporation (MAC) and Trace Archeology. The survey covered the high-priority Graphite drill targets that the Company has identified from the EM survey, rock chip sampling and mapping of various outcropping mineralisation.

The completion of the heritage survey provides clearance to commence drilling activities at the Company's significant exploration target of **67-100mt @ 2-5% TGC**.



Table 1 – Exploration Target\* Tonnes and Grades

Prospect	Tonnage Range (Million Tonnes)		Grade Range (% TGC)	
	Minimum	Maximum	Minimum	Maximum
Emperor	2.4	3.6	3.6	5.4
Wahoo	1.2	1.8	3.6	5.4
Barracuda	1.2	1.8	3.6	5.4
Cobia	6.6	9.8	2.8	4.2
Marlin	26.0	39.0	2.4	3.6
Marlin West	5.6	8.4	3.2	4.8
Mahi Mahi	8.4	12.6	2.8	4.2
Threadfin	6.7	10.1	3.2	4.8
Rockcod	4.5	6.8	3.2	4.8
Mackerel	3.1	4.7	2.4	3.6
Trevally	1.5	2.3	2.4	3.6
<b>Total</b>	<b>67.2</b>	<b>100.9</b>	<b>2.0</b>	<b>5.0</b>

\*The tonnes and grades presented are an Exploration Target and are conceptual in nature. There has been insufficient exploration to define a mineral resource and it is uncertain if future exploration will result in a target being delineated as a mineral resource. The Target has not been evaluated for reasonable prospects for future economic extraction. Future drill programs and metallurgical test work are planned for the Project. For the conceptual estimate, the range of elemental TGC is provided by multiplying the mean volume, nominal density, and nominal graphite concentration of the Exploration Target by +/- 20%.

Throughout the survey, GCM established a positive and productive relationship with the local Malarngowem group and its traditional owners (TOs) that attended and participated in the survey. We worked closely with the group's representatives to ensure that our activities did not interfere with or harm any cultural heritage sites or artefacts.



Figure 1 Malarngowem Group representatives on left with GCM staff and Archeologists on right.

GCM has already begun preparations for the drilling program, and we are eager to commence in May 2023. These preparations include logistics and access road improvements to allow equipment easy access to the drill sites.

**GCM CEO, Mark Lynch-Staunton commented** “We recognize the importance of preserving the cultural heritage of Australia’s indigenous people and are committed to working in partnership with them to achieve our exploration goals while respecting their traditions and values. Gaining heritage clearance for our exploration targets is a significant milestone and paves the way for GCM to deliver on the significant resource expansion potential at the McIntosh graphite deposit”.



### **NEXT STEPS**

The following works are underway as a matter of priority to advance the McIntosh Graphite Project:

- Maiden drill program – on track for commencing May 2023
- Preliminary Ore sorting study underway
- Metallurgical testwork campaign to be conducted at SGS Lakefield in Canada.
- Battery Anode qualification testwork commencement
- Downstream Processing Facility Scoping Study including a site selection study
- Delivery of updated McIntosh Upstream Pre-Feasibility study

### **Authorisation**

The provision of this announcement to the ASX has been authorised by the board of directors of Green Critical Minerals Limited.

Green Critical Minerals confirms that it is not aware of any new information or data that materially affects the exploration results contained in this announcement.

### **Forward Looking Statements**

Statements contained in this release, particularly those regarding possible or assumed future performance, costs, dividends, production levels or rates, prices, resources, reserves or potential growth of Green Critical Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.

### **Competent Person Statement**

The information in this report that relates to the exploration activities are based on information compiled by Mr. S Nicholls, who is a Member of the Australian Institute of Geoscientists and full time employee of APEX Geoscience Australia Pty Ltd. Mr Nicholls has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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'.