



GEOPHYSICAL SURVEY PLANNED FOR SALLY DOWNS GRAPHITE PROJECT

Highlights

- UTS Geophysics Pty Ltd has been awarded a helicopter-borne geophysical survey over the Sally Downs Tenement package for the purposes of investigating the mineral potential. The proposed survey is approximately 416 line-kms.
- The survey will be flown at the end of June, with results expected 6-8 weeks after.
- Geological interpretation indicates a potential aggregate strike length of **>30 Km of unexplored graphite horizons within the Sally Downs Project area**. A previous petrographic study of surface graphite schist samples has confirmed the presence of high value coarse (>300µm) flake graphite within the target stratigraphy.
- GCM has executed a term sheet for the option to acquire 100% of the Sally Downs tenement package north and adjacent to the McIntosh Graphite Project*

*See Announcement, GCM: ACQUISITION OF SALLY DOWNS GRAPHITE PROJECT on 07/06/2023

Green Critical Minerals Ltd (“GCM” or “the Company”) which holds earn-in rights for up to 80% of the advanced Ultra High Purity / High Quality McIntosh Graphite Project (see CML’s announcement on 15 June 2022) is pleased to announce a VTEM™ Max survey has been planned over the Sally Downs tenements.

Survey Details

UTS Geophysics Pty Ltd has been awarded a helicopter-borne geophysical survey at Sally Downs for the purposes of targeting graphite mineralisation. The proposed survey is approximately 416 line-kms and is expected to take 1-2 days, due to start at the end of June.

The VTEM™ Max Time Domain EM system has been chosen for its excellent ability to locate discrete conductive anomalies as well as mapping lateral and vertical variations in resistivity. Flight path is shown below in Figure 1.

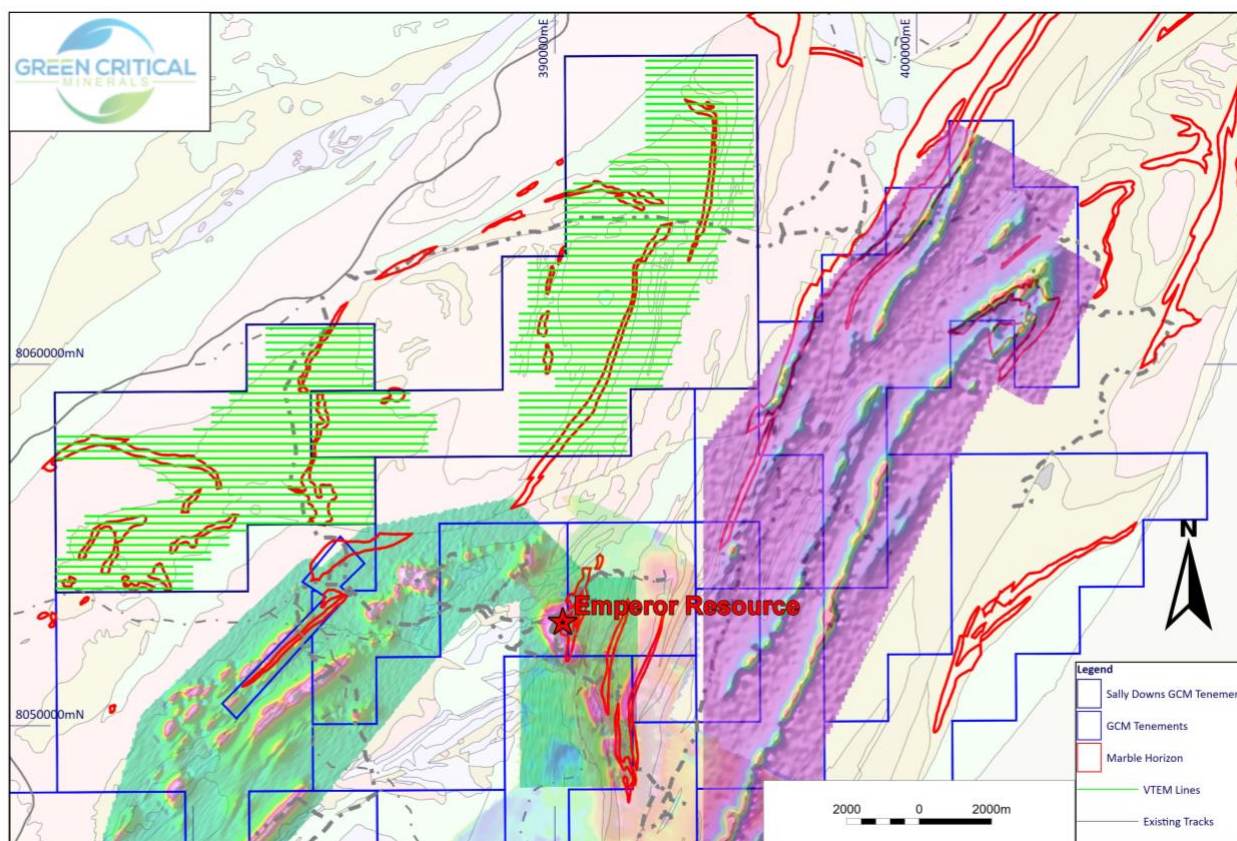


Figure 1 - Map Showing VTEM lines over Sally Downs

Regional mapping by the GSWA of the McIntosh Project at 1: 100 000 scale clearly define the target unit marble horizons which locally have a strong association with graphite mineralisation. As indicated on Figure 1, potentially over **30km of unexplored marble stratigraphy** occur both within E80/4951 and E80/5911 (collectively Sally Downs).

The Sally Downs Project represents a 36 block EL that has received little historic exploration. Previous airborne geophysical surveys include only a coarse grid government aeromagnetic survey conducted in the 1980/90s and a Falcon gravity survey by BHP Ltd in 2010 (now publicly available) that highlighted unexplained anomalies that have never been followed – up. Modern electrical geophysical surveys such as VTEM have not been conducted over the area.



In addition to graphite, Sally Downs is also highly prospective for nickel – copper mineralisation associated with mafic ultramafic layered intrusives and is only 10 km south of the Savannah Ni – Cu – Co mine (Panoramic Resources Ltd).

NEXT STEPS FOR SALLY DOWNS

The Sally Downs tenement package is considered to have similar potential to GCM's McIntosh Project.

The following works are being considered as a matter of priority to advance the Sally Downs due diligence process:

- Rock chip sampling over target stratigraphy - Underway
- EM survey over target stratigraphy – End of June
- Develop Graphite Exploration Target tonnes and grade based on EM anomaly results – 6-8 weeks after completion of EM survey.

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'. Mr. Nicholls consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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.