

Thirty nine targets identified and key tenements granted at Doolgunna Project.

ASX listed exploration company Great Western Exploration Ltd (ASX: GTE) today announced it has been granted additional key tenements at its Doolgunna copper – gold project in Western Australia, and identified 39 priority targets following a VTEM airborne survey.

Field work will start immediately on the new tenements, which cover the area of the VTEM survey and the 30 kilometre by 15 kilometre copper-gold-zinc regional geochemical anomaly located about 140km North-East of Meekatharra in WA. A field crew has been mobilised and soil sampling will commence next week (see figure 1).

In addition to the 39 priority targets, the VTEM survey also identified structural complexities not previously mapped. This is also considered very encouraging as faults provide the plumbing for hydrothermal fluids (see figure 2).

“In addition to being able to widen the scope of our exploration through the granting of the new tenements, the results from the VTEM survey are highly encouraging,” said Great Western Exploration Managing Director, Jordan Lockett.

“Another feature identified from the survey is a large circular magnetic anomaly, which has been interpreted as a large intrusion at considerable depth. The company believes this intrusion may have the potential to provide a heat source and magmatic fluids crucial to the VMS/replacement geological model the company is targeting.”

“We intend to prioritise drill targets using surface and litho geochemistry, followed by ground electromagnetic surveys prior to drill testing. The company is aiming to commence drilling on the project in August subject to approvals and heritage clearances.”

The Doolgunna project now has many positive indicators for Volcanogenic Massive Sulphide (VMS)/replacement style base metal mineralisation, which include:

- A regional copper-gold-zinc geochemical anomaly that is 30km long and 15km wide confirms that a significant amount of metal is being liberated from the target stratigraphy.
- The target stratigraphy comprises of a sequence of felsic hyaloclastite & basaltic andesite lavas interbedded with sulphidic black shales, siltstones, quartz arenite and chert, which is consistent with known VMS deposit models. The identification of the felsic hyaloclastite is important because it indicates volcanic eruptions onto the seafloor at the time of formation and the possibility of bi-modal volcanism or fractionation
- Hydrothermal alteration has been identified within the target stratigraphy and the basalts underlying it, indicating the presence of hot fluids permeating through the rock pile.
- The area is more structurally complex than previously thought with the geophysical survey identifying large breaks within the stratigraphy and a possible large intrusion at depth to

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provide heat and magmatic fluids. In addition field mapping has identified foliations consistent with large N, NW and NE trending faults

- The company has identified 39 priority EM targets that are located on or near these interpreted faults.

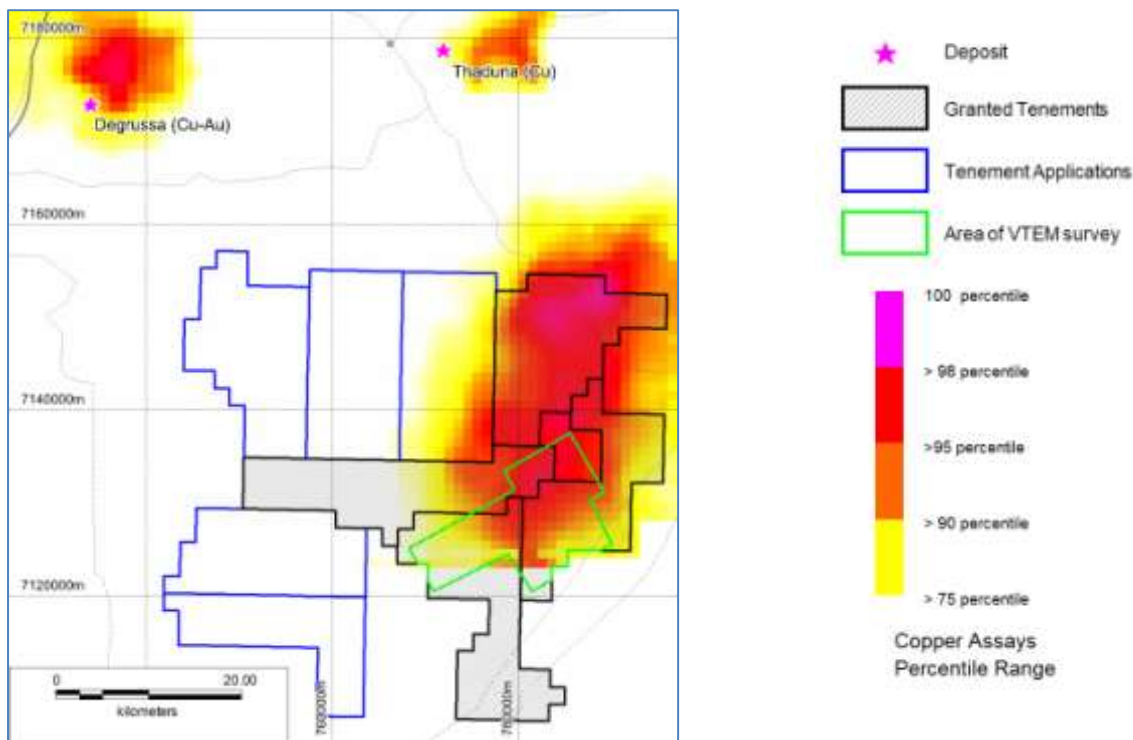


Figure 1: Location of granted tenements in relation to the regional copper geochemical anomaly and VTEM survey

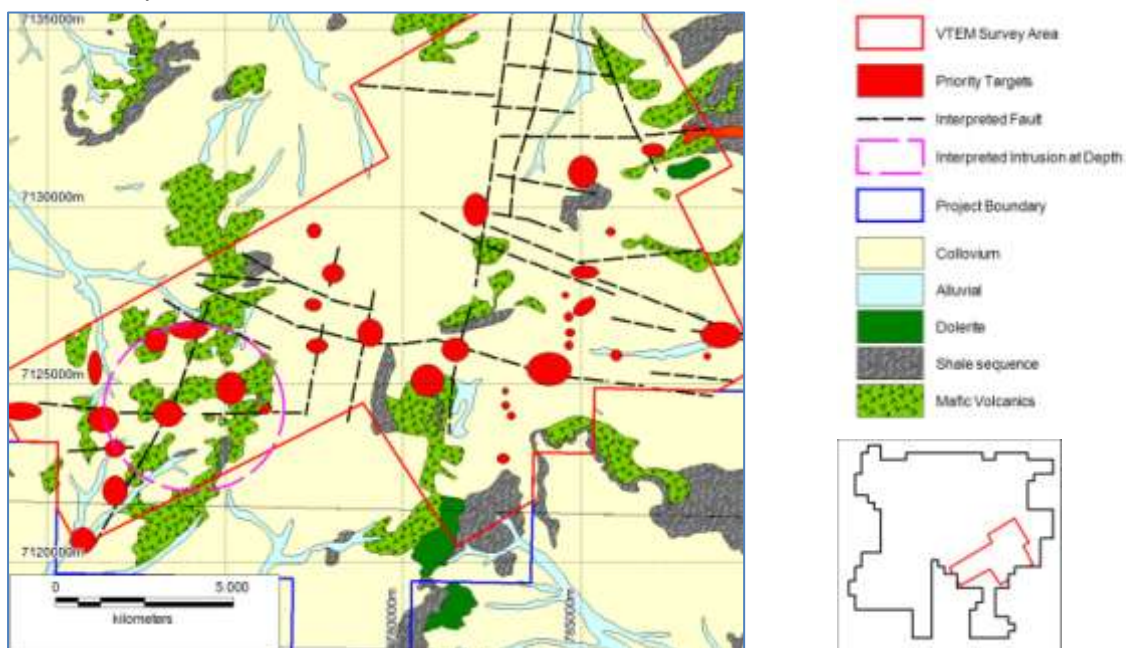


Figure 2: Location of the 39 Priority targets from the VTEM survey

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Jordan Lockett



Managing Director

Competent Person Statement

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Jordan Lockett who is a member of the Australian Institute of Mining and Metallurgy. Mr Lockett 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 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Lockett consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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