



The Manager
ASX Company Announcements
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Lodestar commences VTEM survey over the Peak Hill – Doolgunna Project.

Lodestar Minerals Limited (Lodestar, ASX code: LSR) is pleased to advise that a VTEM airborne electromagnetic (EM) survey has commenced over an area of the Western Block tenements (E52/2403 and E52/2512, Figure 1) within the Company's Peak Hill – Doolgunna Project, located in the North Murchison goldfield. The survey area is located north west of Sandfire Resource's DeGrussa Cu-Au deposit, on the margin of Narracoota Formation (host to the DeGrussa deposit) and is adjacent to the Jenkin Fault zone. A second phase of VTEM is to be flown over Lodestar tenements adjacent to Sipa Resource's (Sipa's) Thaduna Copper Project, (Figure 2) where a number of electrical conductors were recently identified by the VTEM method.

The Western Block VTEM survey is targeting a magnetic complex that is overlain by unresolved gold in soil anomalies and includes evidence of anomalous copper in a fault breccia. The area is transected by a series of north west trending faults and lineaments (identified in aeromagnetic and Landsat imagery) that intersect the Jenkin Fault zone.

The second phase of the VTEM survey will include areas of E52/2456 and E52/2468 that abut the eastern side of Sipa's Thaduna Copper Project (Figure 2), where recent VTEM surveys conducted by Sipa have identified a number of bedrock conductors, with some conductors appearing to continue into Lodestar's tenements. The survey will include the historic McDonald Well prospects and reconnaissance lines of VTEM across the K42 magnetic feature (both located in E52/2456) and Little Well South prospect (located within E52/2468).

The Capricorn Orogen, in the region of Lodestar's tenements, exhibits a range of styles of copper occurrences and deposits, suggestive of a regional copper mineralising event or events. Proximity to basin margins/transcrustal scale faults, such as the Jenkin Fault zone and secondary faults that facilitate movement of metamorphic or mineralising fluids is thought to be important in the development of economic mineralisation.

A handwritten signature in blue ink, appearing to read "Bill Clayton", is positioned above the printed name.

Bill Clayton
Managing Director

The information in this report that relates to Exploration Results is based on information compiled by Bill Clayton, Managing Director and full-time employee of Lodestar Minerals Limited, who is a Member of the Australasian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Clayton consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

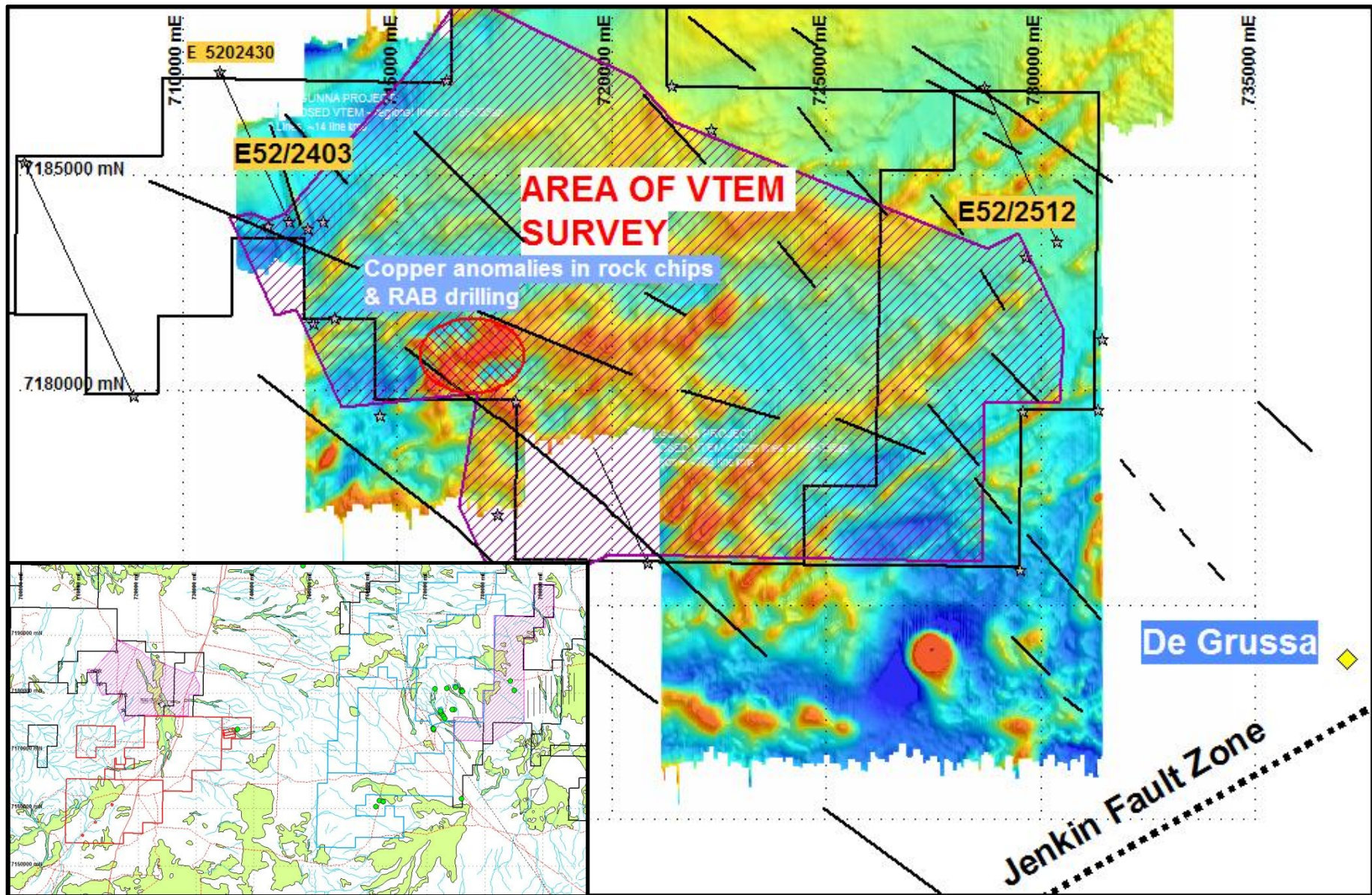


Figure 1 Location of VTEM survey over Western Block tenements, MGA94 Zone50 (inset showing regional tenements (red = Sandfire Resources, blue = Sipa Resources) and area of VTEM surveys)

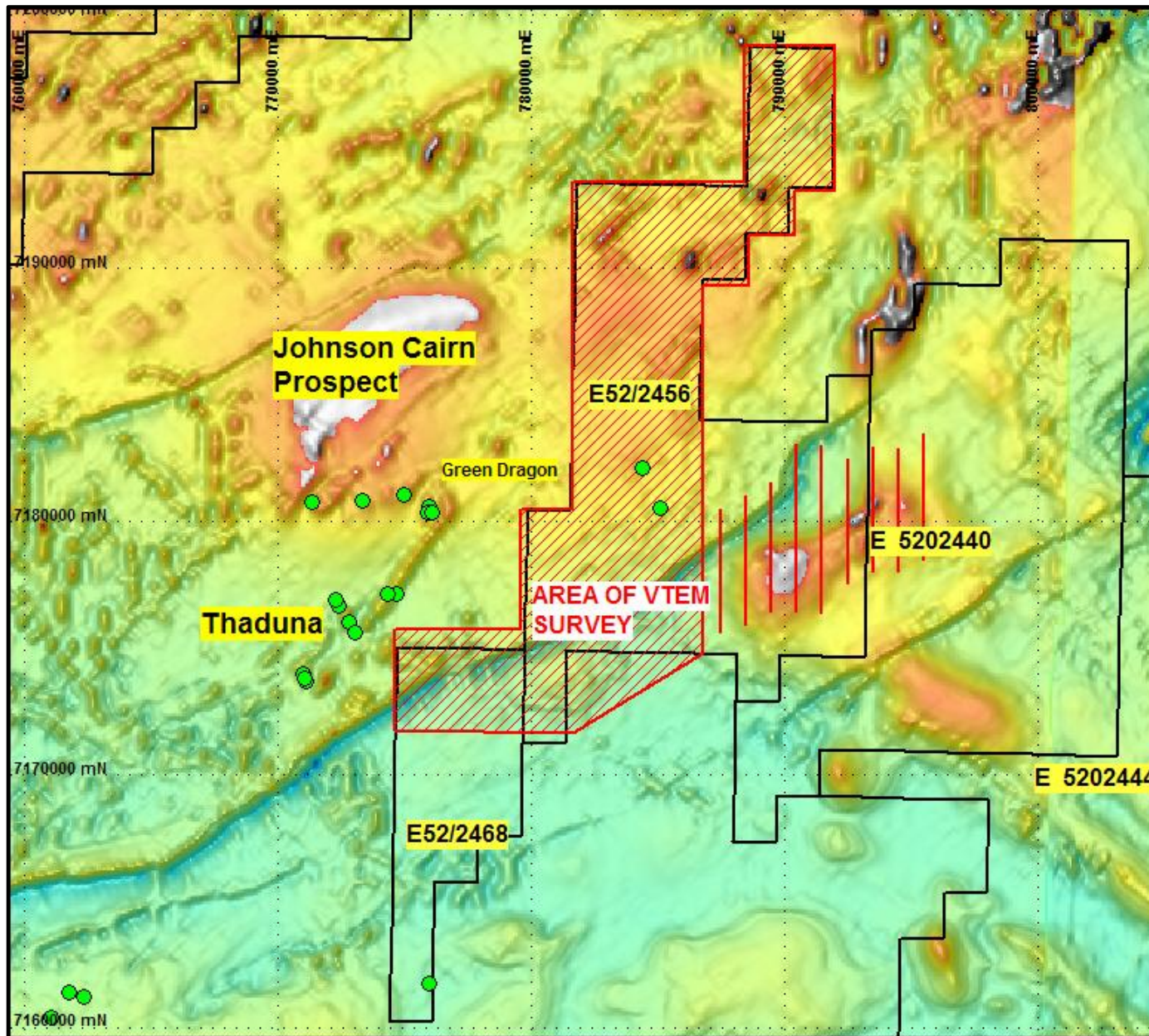


Figure 2 Area of VTEM survey over E52/2456 showing aeromagnetic image and copper deposits/prospects (data copyright Geoscience Australia 2009) MGA94 Zone 50