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ASX LIMITED

Electronic Lodgement

MARYMIA AND NEDS CREEK PROJECTS - GEOPHYSICAL SURVEYS ABOUT TO COMMENCE

HIGHLIGHTS

- A VTEM (airborne electromagnetic) survey covering an area of 269 square kilometres is to commence over the north eastern extension of the Jenkin Fault zone on the Marymia tenements (E52/2492 and E52/2544) where there has been minimal previous exploration for base metals. The area is considered prospective for a range of deposit types including sedimentary/metamorphic Cu, SEDEX Pb-Zn-Ag and magmatic Cu-Ni-PGE.
- A gravity survey is to commence over the McDonald Well prospect (E52/2456 – part of the Neds Creek project area) to test for density contrasts associated with the the down-plunge extension of the conductive shale unit intersected in recent RC drilling. The gravity information will be used in conjunction with the Neds Creek VTEM and geochemical data (currently being collected) to assist in targeting future drilling programs.
- A further 11 holes to test anomalies defined by surface EM surveys have been targeted for drilling at Neds Creek (McDonald Well area). Heritage survey applications have been lodged and access clearing and drilling will commence once heritage clearance has been obtained.

Lodestar Minerals Limited (ASX: LSR, “Lodestar” or the “Company”) advises that two geophysical programs at the Company’s Peak Hill-Doolgunna Project are about to commence.

VTEM Survey

A VTEM survey is expected to commence over the Marymia tenements within the next week. The VTEM method is able to identify electrical conductors, such as massive sulphide mineralization, below the surface and provides rapid assessment of large areas that cannot be explored cost-effectively by surface EM methods.

The survey will test the north eastern extension of the Jenkin Fault over a strike length of 15 kilometres. The survey area is comprised of a sequence of deformed Proterozoic sediments in faulted contact with older granite and greenstone (Figure 1). This area has received minimal previous exploration for base metals and includes the site where a recently collected float sample of siliceous breccia, collected from a watercourse draining the sedimentary sequence, reported 10g/t Ag and 805ppm Pb.

The VTEM survey will be followed by systematic geochemical sampling across the tenements to define and prioritise targets for future drilling.

Gravity Survey

A reconnaissance gravity survey is due to commence over the McDonald Well prospect within the Neds Creek tenements. The survey is intended to provide information on density variations within the down-plunge (south western) area of the carbonaceous shale unit that may indicate concentrations of sulphide mineralization. The carbonaceous shale is a potential host for mineralization in sediment-hosted/metamorphic Cu deposits (e.g. Mt Isa, Nifty) and may be the primary source of remobilized Cu mineralization at the nearby Thaduna deposits, located 5 kilometres west of the tenement.

Exploration Update

Lodestar has accelerated the Neds Creek geochemical sampling program following interruption by recent heavy rainfall, two sampling teams are now in the field to complete the initial program over the McDonald Well area.

Approval for a second RC drilling program at McDonald Well has been received from the Department of Mines and Petroleum. The heritage survey application is awaiting a response from the representatives of the claimant group. We are informed that the availability of Traditional Owners will determine the timing of the survey and we are seeking to proceed with the heritage clearance as soon as practicable.

Yours sincerely,



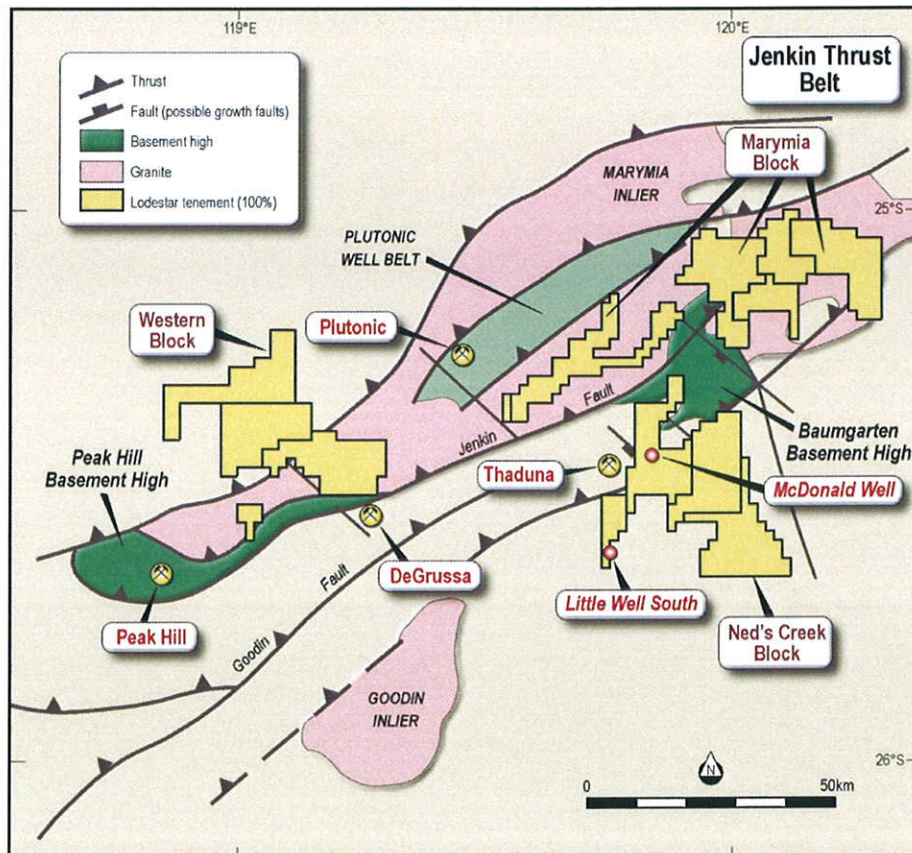
Bill Clayton
Managing Director

The information in this report that relates to Exploration Results is based on information compiled by Bill Clayton, Managing Director, 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.

About Lodestar Minerals:

Lodestar Minerals Limited is a Perth – based explorer with projects in the Kimberley, Peak Hill and Kalgoorlie regions. Lodestar acquired the Peak Hill – Doolgunna project in March 2010. The Peak Hill – Doolgunna project forms the core of Lodestar’s project portfolio and represents a strategic landholding of 2000 square kilometres covering 120 kilometres of the Jenkin Thrust Belt, a regional fault system that is adjacent to the recently discovered DeGrussa Cu-Au deposit. Lodestar is embarking on an aggressive exploration program to assess the excellent potential of the emerging and under - explored north Murchison base metal province.



Location Plan, showing Lodestar’s Marymia & Neds Creek tenements/McDonald Well area

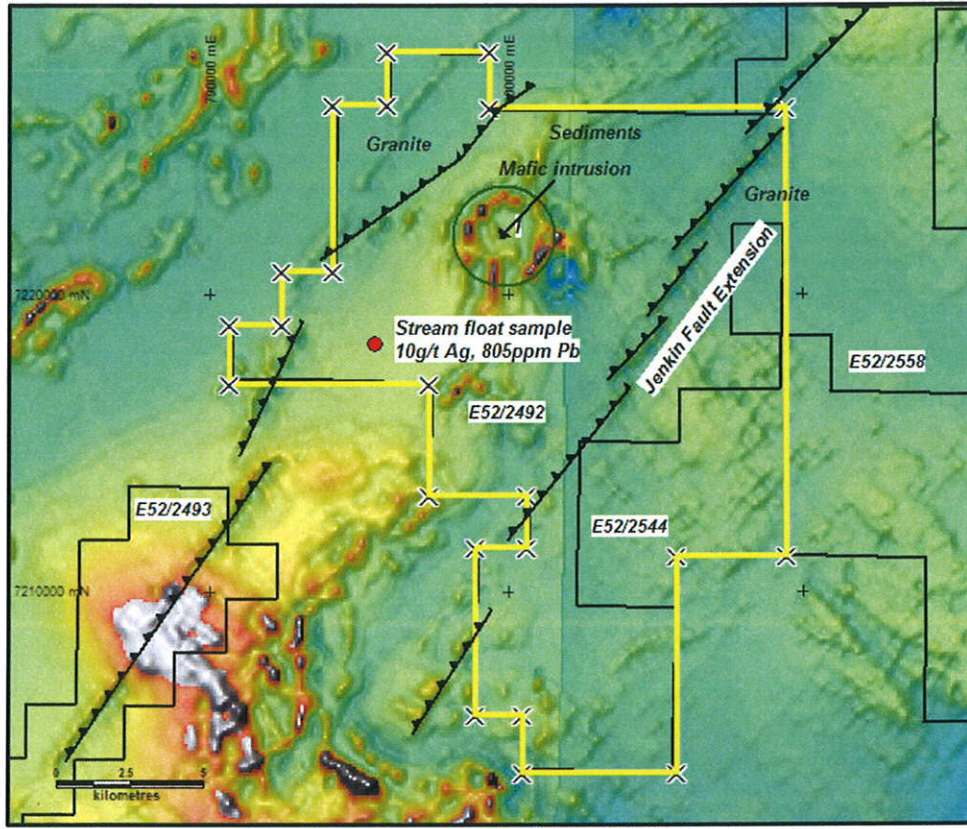


Figure 1 Area of VTEM survey shown in yellow, (aeromagnetic data © Geoscience Australia 2009)