



PROJECTS- AUSTRALIA



ABOUT

PepinNini Minerals Limited is a diversified ASX listed Exploration Company focused on developing and discovering major new mineral deposits. The Company has secured strategically located exploration tenements in the Musgrave Province of South and Western Australia, the Woolgar Goldfield/Georgetown Inlier of North Queensland and the Robinson Range Iron Ore Province of Western Australia. A portfolio of prospective exploration tenements has recently been established in Argentina.

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COMMENCEMENT OF FIELD ACTIVITIES SPINIFEX RANGE WEST MUSGRAVE PROJECT, WA

PepinNini Minerals (ASX: PNN) is pleased to announce the commencement of ground electromagnetic surveying activities at the Spinifex Range Project in the West Musgrave Region of Western Australia (Figure 1). The project is being explored for nickel, copper and Platinum Group Elements (PGEs) under a purchase option agreement with Phosphate Australia Limited the 100% holder of the tenure.

The Spinifex Range Project (E69/2864) is recognized for its potential for Ni-Cu-V-Ti-PGE minerals associated with large mafic intrusions. It covers part of the large Jameson Intrusion and is located within 50 kilometres of the Nebo-Babel and Succoth mineral deposits held by Cassini Resources (ASX:CZI) (Figure 2).

The company has commenced moving loop electromagnetic surveying (MLEM) of three defined target areas identified from the ultra-detailed airborne magnetic survey flown across the project area in December 2014 (Figure 3). Approximately 20 kilometres of survey lines are planned to test a variety of geological targets considered highly prospective for massive nickel-copper sulphide mineralisation. The surveys are designed to detect electrical conductivity anomalies indicative of massive sulphide accumulation within the basement rock. It is hoped that conductivity responses worthy of testing with the company's diamond drill rig are detected and modelled from the survey activities.

PepinNini is also planning to shortly commence sub-surface soil geochemical drilling of both Ni-Cu sulphide and platinum group metal (PGM) targets using the company's vacuum drill rig within the next few weeks.

The option agreement with Phosphate Australia Limited (POZ) involves a two year period whereby the Company can investigate and potentially acquire an 80% share of exploration licenses E69/2864 and E69/3191 which cover an area totalling 785.7km². Should PepinNini choose to complete the purchase an 80%:20% joint venture will be established with POZ to develop the project.

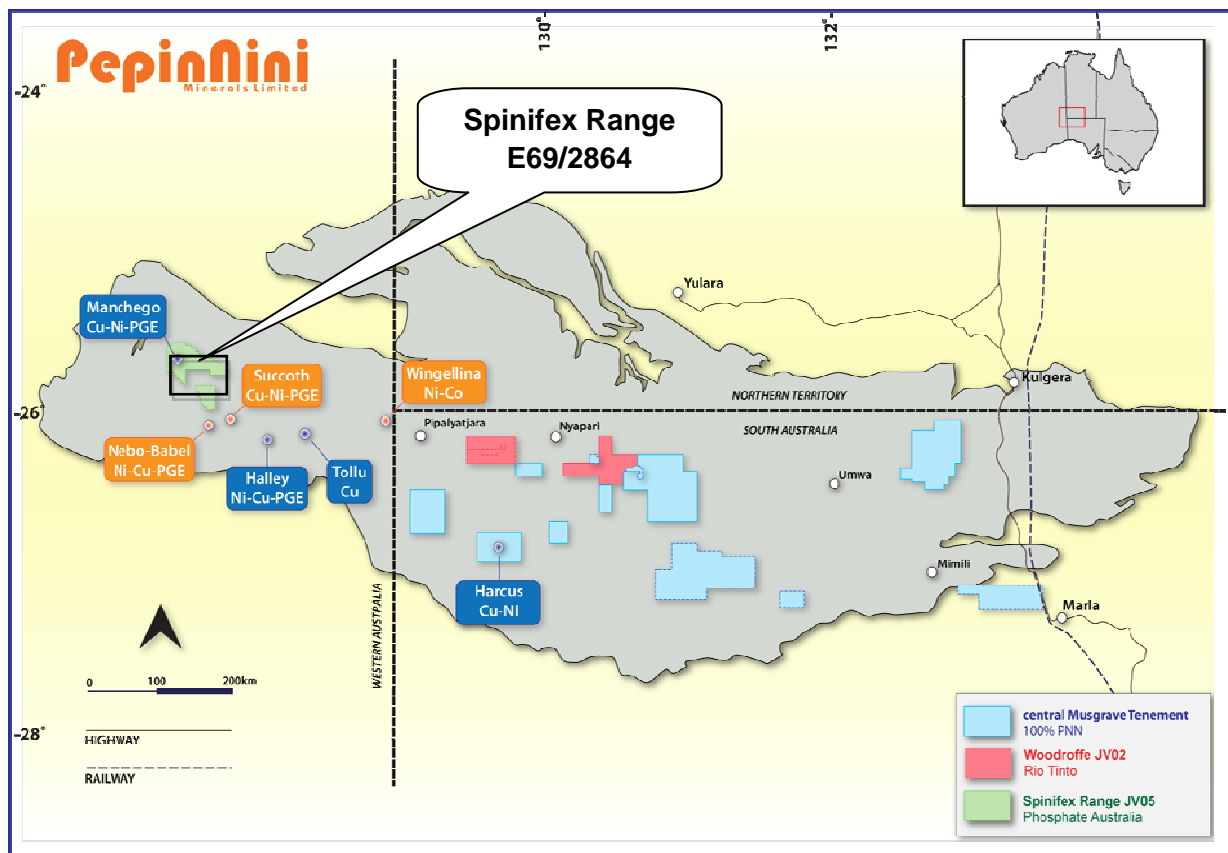


Figure 1: Location of Musgrave Project Tenure

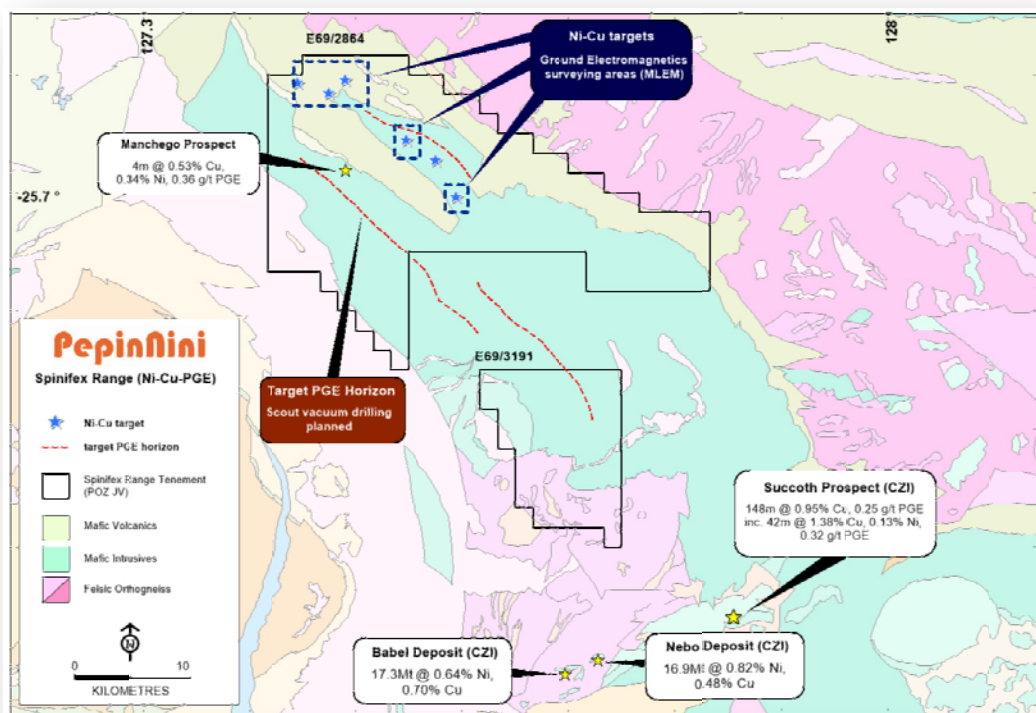


Figure 2: Schematic Regional geology of the Spinifex Range Project (E69/2864)

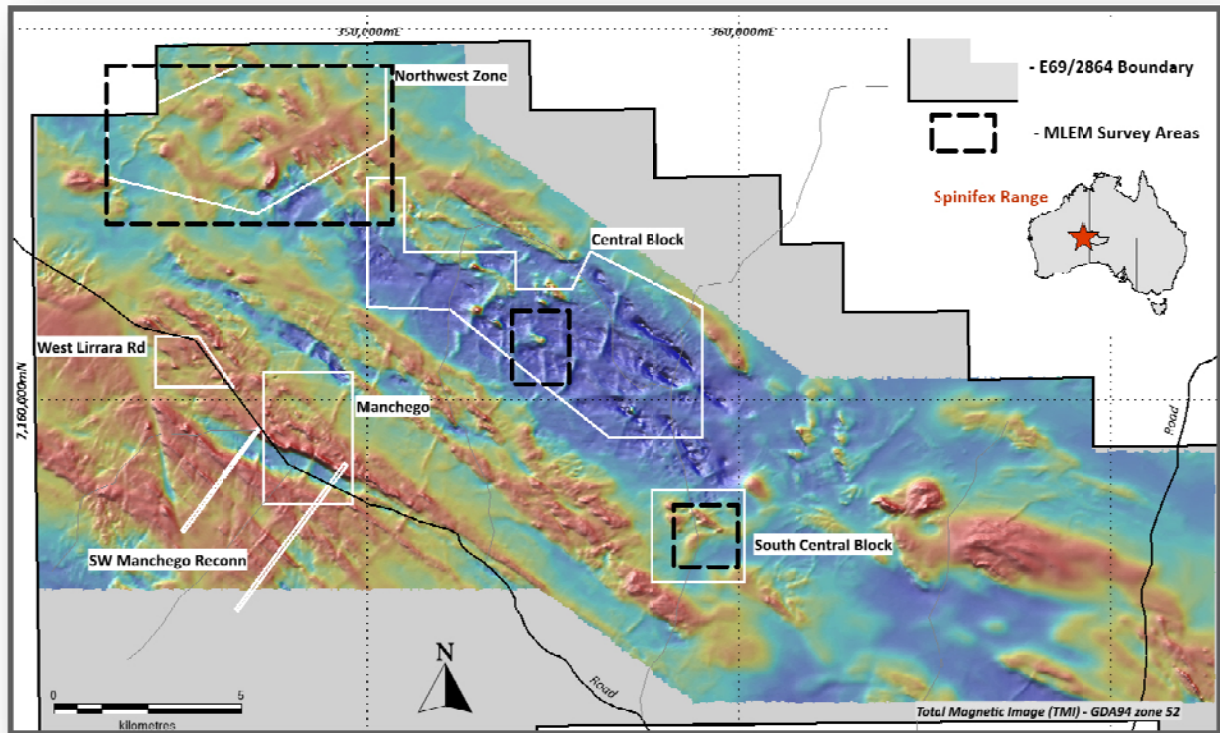


Figure 3: Location of planned electromagnetic survey areas within E69/2864 "Spinifex Range".

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Philip Clifford who is a member of the Australasian Institute of Mining and Metallurgy. Mr Clifford is employed full time by the company as Technical Director and has a minimum of five years relevant experience in the style of mineralisation and type of deposit under consideration and qualifies 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 Clifford consents to the inclusion of the information in this report in the form and context in which it appears.

For further information please contact:

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Note: Additional information on PepinNini Minerals Limited can be found on the website: www.pepinnini.com.au