PepinNini Minerals limited
ABN 55 101 714 989

ASX ANNOUNCEMENT
7th June, 2013

Cooperinna Project - Exploration Update Musgrave Project, SA.

- **Regolith mapping and vacuum soil drilling geochemical results confirm underlying prospective mafic rocks at the Yagen and Alma Prospects.**

PepinNini Minerals is pleased to announce that awaited geochemical results from recent Vacuum Drilling within the Cooperinna Block of EL4587 (100% PepinNini) have been received.

The work contributes to the Company's ongoing search for magmatic Nickel-Copper sulphide deposits across the Musgrave Province of South Australia (*figure 1*).

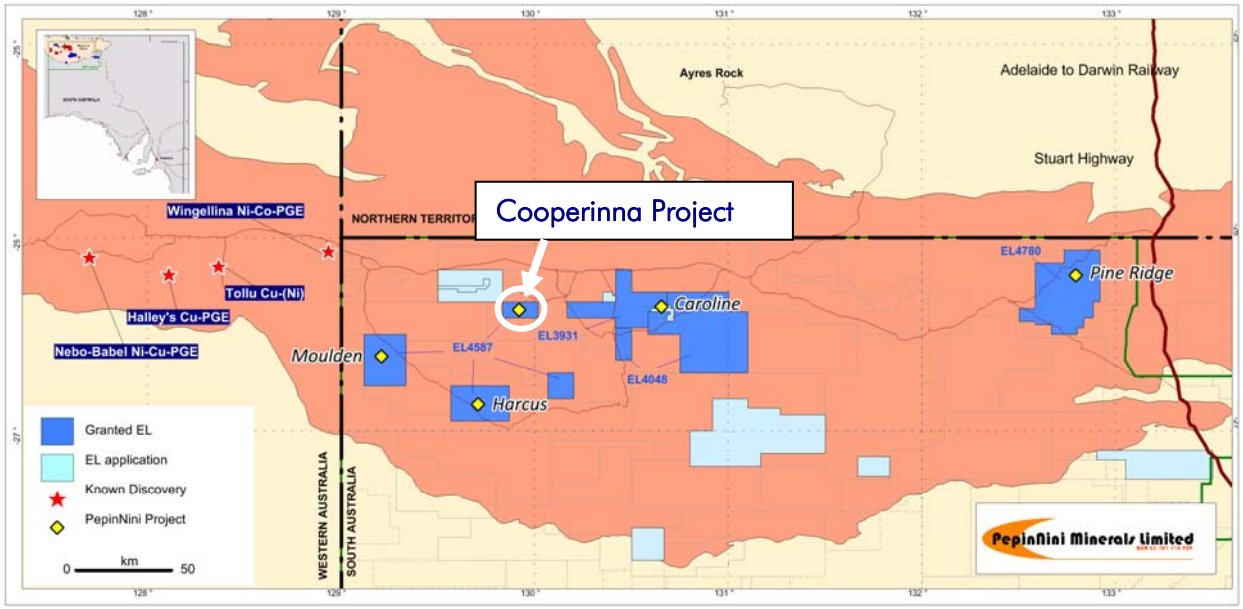

Figure 1: Tenement Location Plan

Infill vacuum soil drilling was undertaken across parts of the Cooperinna Block during the early part of 2013 to regolith map and geochemically assess nickel-copper prospect areas identified from the V-TEM helicopter electromagnetic survey flown in 2012. Vacuum soil drilling is a low impact and cost effective way to penetrate friable cover sediments and extract sediment samples from the weathered bedrock interface for geochemical analysis. The equipment is often capable of penetrating the weathered bedrock sufficiently enough to enable identification of the basement rock type and so it is very useful in sub-surface mapping.

Two hundred and seventy nine (279) samples have been collected from two hundred and twenty five (225) vacuum (soil) holes across the Yagen, Alma, Pegasus, Cactus and Deception

Prospects. The geochemical results from these samples have contributed to the bedrock mapping of prospect areas and have assisted in the recognition of more prospective portions of the interpreted mafic intrusion.

Analytical results have returned values of up to; 480ppm nickel, 320ppm copper, 280ppm cobalt, 780ppm chrome, 12.1ppb platinum, 21ppb palladium, and 161ppb gold.

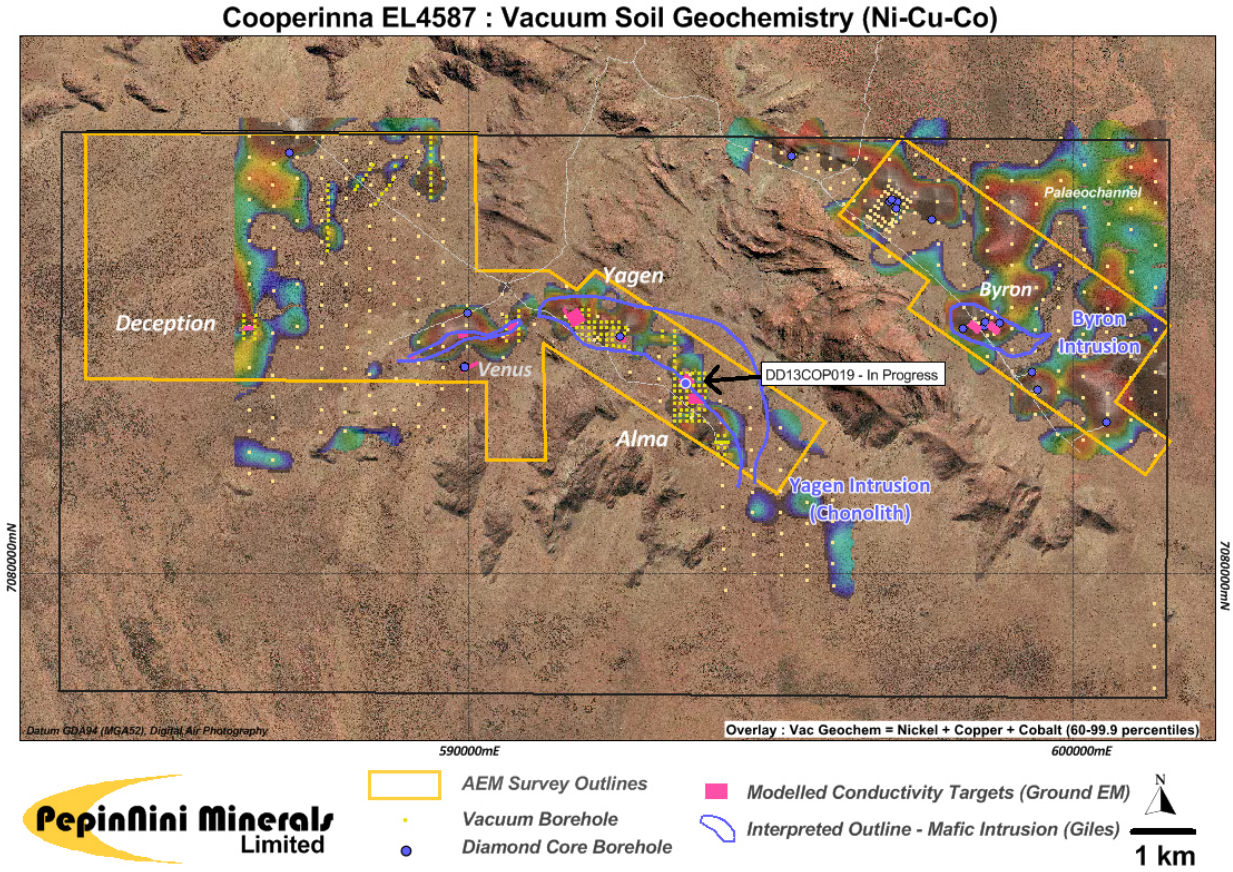

Figure 2: Vacuum Soil Geochemistry (Ni-Cu-Co), Cooperinna block (EL4587)

Vacuum soil nickel copper cobalt (Ni-Cu-Co) geochemistry demonstrates that the western end and south western margin of the Yagen Intrusion (Chonolith) may host the most prospective portions of the largely concealed mafic intrusion which includes both the Yagen and Alma Prospects (*figure 2*).

The vacuum regolith holes complement the 2011-2012 vacuum drilling and a combined total of 646 vacuum soil holes have now been completed across the Cooperinna Block.

Diamond Drilling of the electromagnetic targets at the Alma Prospect (current hole DD13COP019) using the Company owned diamond drill rig is continuing.

The information in this report that relates to Exploration Results is based on information compiled by Phil Clifford BSc MAusIMM. Phil Clifford is the Exploration Manager and Technical Director of PepinNini Minerals Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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". Phil Clifford 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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