



ASX ANNOUNCEMENT

27th June, 2011

Robinson Range Iron Ore Project Commencement of Drilling Program

PepinNini Minerals Limited (PepinNini) is pleased to announce that it will commence an extensive drilling program of approximately 100 reverse circulation (RC) boreholes this week within the seven tenements comprising the Robinson Range Project located in the Midwest region of WA.

The drilling program is designed to investigate potential iron ore resources at eleven prospect areas located amongst the ~40km strike length of Robinson Range Formation identified within the project area.

The Robinson Range Formation includes banded iron and granular iron formation units which outcrop variably within the tenements. The prospective iron ore areas contain supergene enriched Hematite and Hematite-Goethite mineralisation which form the primary targets for drill testing.

Previous surface sampling across the Robinson Range Formation confirmed that iron mineralisation occurs at numerous prospect sites across the project area. Rock chip results of up to a maximum of 67.3% Fe were returned with all areas sampled returning some values in excess of 60% Fe.

The drilling program will investigate accessible prospects where iron mineralisation is either outcropping or concealed beneath shallow surface cover. Drill targeting aims to highlight zones of potentially continuous mineralisation.

The Robinson Range Project comprises seven tenements that cover approximately 700km². PepinNini Minerals has a 50% interest in the iron ore contained within three tenements and a 40% interest in the iron ore contained within the other four tenements. Joint Venture Agreements have been executed to facilitate the exploration and development of the iron ore potential of the tenements. PepinNini manages exploration on behalf of the Joint Venture partners.

It is expected the drilling program will take approximately 8 weeks to complete.

The information in this report that relates to Exploration Results is based on information compiled by Norman Kennedy BSc MAusIMM. Norman Kennedy is the Chairman and Managing 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". Norman Kennedy consents to the inclusion in the report of the matters based on his information 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