



ASX ANNOUNCEMENT

13th September, 2011

Robinson Range Iron Ore Project Drilling Program Update

PepinNini Minerals Limited (PepinNini) commenced an extensive drilling program of approximately 100 reverse circulation (RC) boreholes within the Robinson Range Project located in the Midwest region of WA on 30th June, 2011.

The Robinson Range Project comprises seven tenements that cover approximately 700km². PepinNini 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 and manages exploration on behalf of the Joint Venture partners.

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

Fifty three boreholes have now been completed for 2,716 metres of drilling within six prospect areas. Encouraging Hematite, Hematite-Goethite iron enrichment with possible volumetric significance was encountered at PNN Area C. Drilling is continuing across this prospect area to evaluate the extent of this mineralisation. Based on the results from 39 boreholes received to date intersections with greater than 55% iron content are presented in Table 1.

Highlights include;

- ◆ 45 metres @ 59.7% Fe in borehole RC11RR030 from a depth of 6 metres to the base of hole at 51 metres. (intersection includes an interval of 39 metres @ 61.1% from 12 metres to base of hole),
- ◆ Two other holes, RC11RR032 and RC11RR033, each located approximately 200m from borehole RC11RR030 also intersected reportable iron mineralisation. (RC11RR032 included 4 metres @ 53.6% Fe from 16 metres to base of hole at 20 metres, RC11RR033 intersected 45 metres @ 51.3% Fe from 12 metres to base of hole at 57 metres including 6 metres @ 59.5% Fe),
- ◆ Borehole RC11RR029 located approximately 100 metres from borehole RC11RR030 intersected 10 metres @ 58.0% from 12 metres depth.

Field reconnaissance and surface sampling has also been undertaken over two new areas resulting in two new prospect areas designated as "PNN Area-E" and "PNN Area-F" being identified for future investigation. More than fifty percent of the 21 surface samples collected from within PNN Area "E" returned assays in excess of 55% Fe and ranged up to a maximum of 66.4% Fe. Nine samples were collected from within Area "F" and returned assays ranging from 32.2% Fe to 66.2% Fe.

Table 1. Robinson Range Project – Summary of RC Drilling Results (>55% Fe content)

Note: All metreages quoted are down-hole depths for vertical boreholes.

Hole No.	From (m)	To (m)	Thick (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	LOI %
PNN Area Ai									
RC11RR004	3	15	12	55.25	7.47	5.29	0.02	0.03	6.79
PNN Area B									
RC11RR016	6	8	2	55.13	3.56	3.72	0.03	0.02	10.79
PNN Area C									
RC11RR029	12	22	10	57.98	9.93	3.19	0.03	0.01	3.04
RC11RR030	6	51	45	59.68	6.39	3.47	0.04	0.02	4.08
including	12	51	39	61.11	2.75	5.49	0.04	0.01	3.69
RC11RR033	16	24	6	59.48	2.66	7.25	0.04	0.02	4.44
including	16	19	3	62.97	1.47	4.86	0.03	0.02	3.19
RC11RR038	10	12	2	61.55	3.08	1.26	0.05	0.01	6.40



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.

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