



ASX and Media Release

Market update – Peculiar Knob drilling program

Western Plains Resources Limited (ASX:WPG) advises that the drilling program that commenced on 6 February at the Company's flagship Peculiar Knob DSO iron ore project south of Coober Pedy in South Australia has been completed.



Figure 1
Massive High Grade Specular Haematite, PQ Core from Hole PK-107

The program consisted of five large diameter PQ cored holes and five RC percussions holes for a total of 1,498 metres.

10 March 2010



ABN 51 109 426 502
Level 9, Kyle House
27-31 Macquarie Place
Sydney NSW 2000
Telephone (+612) 9251 1044
Facsimile (+612) 9247 3434
info@westernplainsresources.com.au
www.westernplainsresources.com.au

Good intersections of massive high grade specular haematite were made in the diamond holes as follows:

PK-106	79.54 – 96.68m,
PK-107	45.62 – 75.02m, 77.02 – 101.24m
PK-108	33.80 – 39.16m, 43.87 – 58.87m, 122.04 – 159.98m
PK-109	52.66 – 71.89m
PK-110	84.30 – 97.30m, 104.70 – 138.83m

The mineralised core will be dispatched to the laboratory in Perth for assay and metallurgical testwork over the next few days. Core from typical intersections are shown in Figures 1 and 2.



Figure 2
Specular Haematite in Core

The RC holes were drilled to test for extensions to the main mineralised zone across an interpreted fault zone at the north eastern extremity of the orebody. Narrow zones of high grade mineralisation were intersected in the initial two holes as set out in the Company's announcement of 18 February and were followed up with three further RC holes. Narrow zones of massive haematite were also intersected in each of these follow-up holes. Summary assay results for the two initial holes are set out in the table below.

Hole	East m	North m	Depth m	From m	To m	Interval m	Fe %	SiO ₂ %	Al ₂ O ₃ %	P %	LOI %
PK-111	10550	10113	180	123	125	2	55.8	14.7	1.11	0.04	2.65
				138	144	6	63.8	7.1	0.18	0.01	0.85
				146	148	2	45.2	29.7	0.66	0.09	2.83
				152	157	5	46.9	20.5	2.11	0.12	5.85
PK-112	10550	10168	246	52	61	9	49.8	25.1	0.71	0.02	1.43
				66	70	4	57.6	15.0	0.01	0.02	0.60
			Incl.	66	69	3	63.5	7.7	0.37	0.02	0.45
				73	81	8	51.0	24.5	0.84	0.03	0.41

Competent Person

The review of exploration activities and results contained in this report are based on information compiled by Mr Gary Jones, a Member of the Australasian Institute of Mining and Metallurgy. He is Technical Director of Western Plains Resources Limited and a full time employee of Geonz Associates Limited. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the December 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Gary Jones has consented in writing to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Further Information

For further information please contact Bob Duffin, WPG's Executive Chairman on 02 9247 3232 or 0412 234 684 or Heath Roberts, Executive Director and General Counsel on 02 9247 7359 or 0419 473 925.