



# ASX and Media Release

## Mining lease application lodged for the Peculiar Knob DSO project

Western Plains Resources Ltd (ASX:WPG) is pleased to advise that it has today lodged a draft application for the grant of a mining lease at its Peculiar Knob direct shipping iron ore (DSO) project in South Australia.

Peculiar Knob is a high grade specular haematite deposit with low levels of impurities. WPG commenced a feasibility study for the development of a mining operation in December 2006. The study is on track to be completed by the end of June, and is within budget. The Peculiar Knob mining lease application was lodged with Primary Industries and Resources of South Australia (PIRSA) today.

The identified mineral resource estimate for Peculiar Knob is set out in Table 1. It has been prepared using a classical sectional approach and a 55% Fe cut off grade.

**Table 1  
Mineral Resource Estimate – Peculiar Knob**

Category	Million Tonnes	Fe %	P %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %
Measured resource	13.5	63.7	0.01	7.3	0.3	0.5
Indicated resource	4.6	63.8	0.01	7.7	0.2	0.5
Inferred resource	1.3	64.5	0.02	6.4	0.2	0.3
Total resource	19.4	63.7	0.01	7.3	0.3	0.5

WPG's other DSO deposit for which an identified mineral resource estimate has been prepared is the Buzzard deposit in the nearby Hawks Nest project. As previously reported, the resource estimate for the Buzzard deposit is as set out in Table 2.

WPG has commenced the process for the lodgement of applications for mining claims at Buzzard, and also for the Kestrel magnetite project at Hawks Nest. The grant of mining claims is an intermediate step in the process for the lodgement of mining lease applications.

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**Table 2**  
**Mineral Resource Estimate – Buzzard**

Category	Million Tonnes	Fe %	P %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %
Measured resource	1.8	62	0.03	9.3	1.2	0.8
Indicated resource	3.1	60	0.04	10.9	1.7	1.4
Inferred resource	1.8	59	0.06	8.7	2.9	2.5
Total resource	6.7	60	0.05	9.9	1.9	1.5

The total resource estimates for the Peculiar Knob and Buzzard DSO projects are shown in Table 3.

**Table 3**  
**Mineral Resource Estimate – Peculiar Knob and Buzzard Combined**

Category	Million Tonnes	Fe %	P %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %
Measured resource	15.3	63.5	0.01	7.5	0.4	0.4
Indicated resource	7.7	62.3	0.02	9.0	0.8	0.8
Inferred resource	3.1	61.3	0.04	7.7	1.8	1.2
Total resource	26.1	62.9	0.02	8.0	0.7	0.6

WPG considers it likely that its DSO resource inventory could support a mining development that ramps production levels up to 2 million tonnes per annum of ore from Peculiar Knob alone, or a 3 mtpa operation from a combined project, for a life of up to 10 years.

#### **Competent Person**

*The review of exploration activities and results contained in this report is based on information compiled by Mr Gary Jones, a Member of the Australasian Institute of Mining and Metallurgy. He is Technical Director of the Company and a full time employee of Geonx 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 WPG's Executive Chairman Bob Duffin, on (02) 9251 1044 or 0412 234 684, or Gary Jones, on (+647) 854 0453 or 0410 358 280.