



MEDIA / ASX RELEASE

21 June 2010

SPITFIRE EXPANDS PILBARA MANGANESE PORTFOLIO

Further Strengthens Strategic Ground Position Down-Strike from Woodie Woodie Manganese Mine with Award of Two New Tenements

Spitfire Resources Limited (ASX: **SPI** – “Spitfire” or “the Company”) is pleased to advise that it has been successful in a ballot to determine competing applications for two additional **prospective manganese exploration tenements** located immediately adjacent to its existing tenure at South Woodie Woodie in the East Pilbara region.

The two new tenements, E46/902 (107km²) and E46/893 (87km²), are located down-strike to the south of the world-class 1Mtpa Woodie Woodie mine. The northernmost tenement, E46/893, lies just 50km south of Woodie Woodie.

The tenements were all secured as a result of the partial surrender of the ground by Consolidated Minerals, operator of the Woodie Woodie mine.

The award of the new tenements further increases Spitfire’s total East Pilbara ground holding at South Woodie Woodie to 1,749 sq km. The new and recently announced tenement applications are all 100% owned. Spitfire’s original tenement holding of 430.1 sq km at South Woodie Woodie is 80% owned.

Executive Chairman, James Hamilton commented *“this is another strategic addition to our East Pilbara tenement portfolio following our success in April in securing a highly prospective 111 sq km tenement located immediately north of the Nicholas Downs Manganese Mine. South Woodie Woodie is our core area of focus and activity and we are very pleased that we have been so successful in expanding our tenure in a highly competitive environment.”*

“Preliminary work including regional mapping is planned to commence upon granting to generate an initial round of targets on the new tenements.”

Spitfire 20c Share Options – Expiry 30 June 2010

The directors wish to confirm that the 30 June 2010 Share Options (ASX Code SPIO) will cease quotation on 23 June 2010.

ENDS

Released by:
Mr. Nicholas Read
Read Corporate
Telephone: (61-8) 9388 1474

On behalf of:
Mr. James Hamilton
Executive Chairman
Spitfire Resources Limited
Telephone: (61-8) 6382 3700
www.spitfireresources.com

Competent Person's Statement

The information in this report relating to exploration results and mineral resources is based on information compiled by Mr. N. Cull who is a Member of the Australian Institute of Geoscientists. Mr. Cull is Exploration Manager for Spitfire Resources Ltd, and consents to the inclusion in this type of report of the information as presented. He has sufficient experience relevant to the style of mineralisation and to the type of activity described 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.'

About Spitfire Resources

Spitfire Resources Limited (ASX Code: SPI) is an emerging Australian resource development company focused on the carbon steel materials sector. Spitfire's flagship asset is the South Woodie Woodie Manganese Project, which is located approximately 50km down-strike to the south from the 1Mtpa Woodie Woodie Manganese Mine in the East Pilbara region of Western Australia.

Spitfire's initial exploration success at South Woodie Woodie has been within the Southern Target Area, where it has defined a near-surface manganese deposit at the Tally-Ho Prospect, in an area which has had little historical exploration.

Spitfire's principal focus will remain the exploration and evaluation of manganese deposits in the East Pilbara, although it has also acquired a portfolio of advanced thermal coal projects in Tasmania and prospective base metals tenure in the Northern Territory which offer the potential for future diversification.

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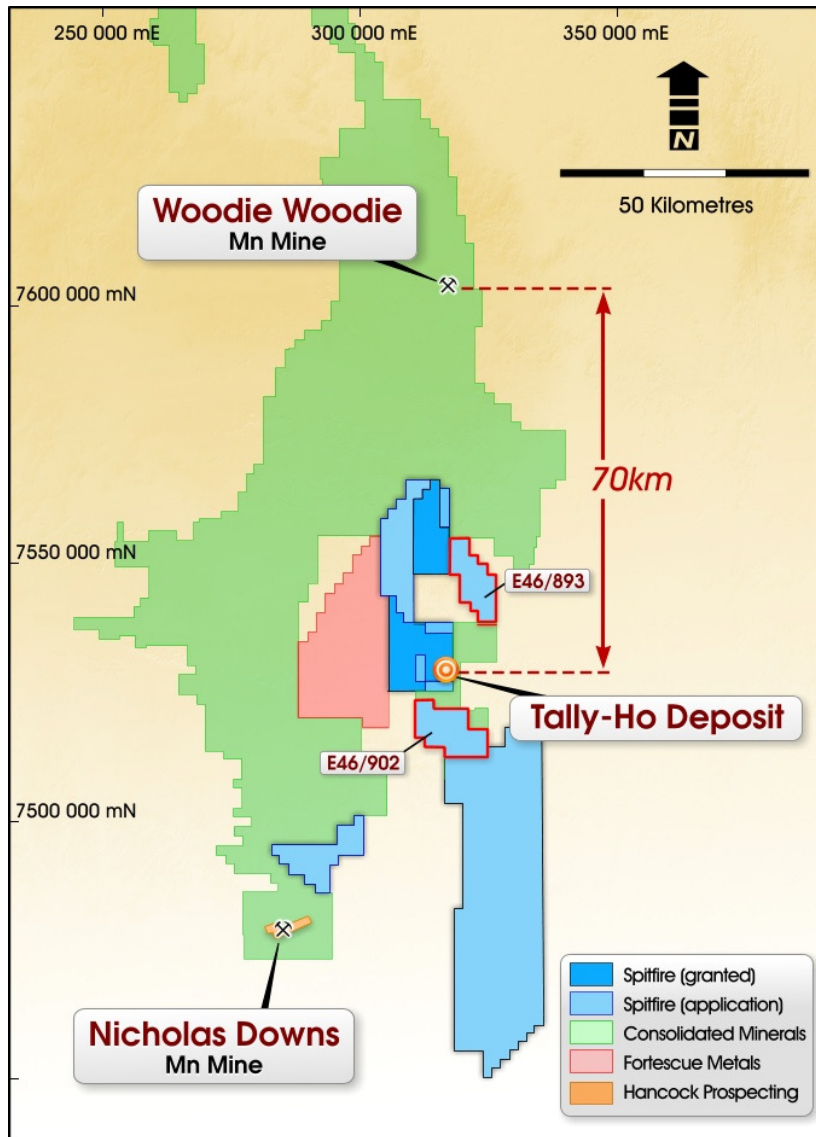


Figure 1 – Tenement map showing South Woodie Woodie, new and existing applications