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## NEW GOLD-COPPER EXPLORATION PROJECT: TENNANT CREEK DISTRICT, NORTHERN TERRITORY

Gunson Resources has applied for six exploration licences over a combined 120 square km area of the Tennant Creek district in the Northern Territory, as a result of geological targeting work conducted on BHP Billiton's extensive Australian database by the Company's geological consultant, Douglas Haynes Discovery Pty Ltd.

The Tennant Creek district has yielded some 5 million ounces of gold and 350,000 tonnes of copper since large scale mining began in 1934. Gold-copper ore bodies in the district are typically high grade averaging 9 g/t gold and 2.1% copper, and are associated with distinctive magnetic anomalies, due to the abundance of the magnetic iron oxide, magnetite.

Significantly less exploration has been conducted in the district for non-magnetic gold-copper ore bodies. Such ore bodies are predicted to occur in the Tennant Creek district, but will not have the usual geophysical characteristics of the known gold-copper deposits. They will be associated with discrete gravity anomalies, with either a very weak coincident or adjacent magnetic anomaly, like Minotaur Resources' Prominent Hill and WMCR's Olympic Dam deposits in South Australia.

Gunson's six exploration licence applications cover weak magnetic anomalies with associated gravity responses in favourable geological settings, where little or no previous exploration has been carried out. The targets on these areas can be tested quickly and cheaply with ground geophysics and shallow geochemical drilling.

The agreement with BHP Billiton allows Gunson non-exclusive access to its Australian mineral exploration database. In return, BHP Billiton has the exclusive right to farm in to the Tennant Creek project until Gunson has spent over \$100,000 or defined a drill target on the project. Thereafter, Gunson may farm out the project to other parties if BHP Billiton declines to participate.

As there are no competing applications over the ground, it is envisaged that low impact field work could commence in September with potential for shallow geochemical drilling to start in the December 2003 quarter.

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## **ATTRIBUTION**

The information contained in this report is based on, and accurately reflects, information compiled by Mr D N Harley, a corporate member of the Australasian Institute of Mining and Metallurgy, who has over five years experience in the field of activity being reported on.