

18 June 2020

Southern Cross Greenstone Belt, WA - New Due Diligence Agreements Signed

Enterprise Metals Limited (ASX: ENT) ("Enterprise" or the "Company") is pleased to advise that it has entered into two Binding Terms Sheets which give Enterprise an exclusive right to conduct formal Due Diligence (DD) on four exploration licence applications (ELA's) covering ~264km² of the Archaean Southern Cross Greenstone Belt. The ELA's are considered prospective for orogenic gold deposits, massive sulphide nickel-copper deposits iron ore and lithium.

The largest tenement in the package ('Trough Well West' **ELA77/2652** 103km²) is held by Spartacus Exploration Pty Ltd and covers prospective mafic and ultramafic greenstone units and is contiguous with ENT's existing 236km² Bullfinch North Project. (*refer ENT ASX Release 27 May 2020 and Figure 2 overleaf.*)



Figure 1. Geology & Location Plan - Bullfinch North Project & New Due Diligence Tenements

Commenting on the exclusive right to undertake DD on the tenement applications and purchase the tenement holder if warranted, Enterprise's chairman **Dr Allan Trench said**:

"Enterprise already has a substantial landholding in the Southern Cross Greenstone Belt, and, subject to successful Due Diligence, we have the opportunity to double our landholdings to 500km². It is apparent from the work we have done already that a number of these tenements, for various reasons, have not had any effective exploration (and drilling) over the past 10 or 20 years. However, modern detailed airborne magnetic data and ground geophysics is now available which substantially improves our ability to define litho-structural targets with the potential for the discovery of high grade gold mineralisation and other metals."

Spartacus Exploration Pty Ltd – Due Diligence Period & Option to Purchase Terms Sheet

- Tenements: Trough Well West ELA77/2652, Elvire ELA77/2651 and Carina ELA77/2653
- \$29,000 cash for exclusive Due Diligence period, with 2 months post grant of Elvire ELA77/2651 to decide to exercise Option to Purchase all issued shares in Spartacus Exploration Pty Ltd.
- Option Exercise price \$150,000 cash plus 21,428,571 ENT shares at deemed price of 1.4 cents/share, plus 1% Net Smelter Return (NSR) Royalty.

The **Trough Well West ELA 77/2652** (103km²) is located approximately 70Km to the north-west of Southern Cross. The tenement application consists of 35 blocks (~103km²) and was lodged on 26 February 2020 by Spartacus Exploration Pty Ltd. The historical Patricia Lea gold mine is located within P77/4562 (9.58Ha), which is an excision within the northern part of ELA77/2653.

Between 2008-2015 Southern Cross Goldfields Ltd (SXG) and Western Areas NL (WSA) explored the northern part of current ELA77/2652 for lateritic and sulphide nickel. In 2012 a high resolution aeromagnetic survey was flown over the Trough Well and Trough Well West areas for SXG and its JV partner WSA. (total 6,746 line km at 100m line spacing with mean terrain clearance of 50m). Since 2015, when the ground was surrendered by Black Oak Minerals Ltd (E77/2093), there has been no active exploration undertaken.



Figure 2. Location Plan - Bullfinch North Project & ELA77/2652

Enterprise plans to utilise the available high resolution 2012 aeromagnetic data and historical competitor data in its DD process to identify potential gold,nickel and lithium targets for testing.

The **Elvire ELA 77/2651** (50.9km²) surrounds the Mt. Elvire homestead approximately 210km north of Southern Cross, on the shores of Lake Barlee. The geology of the area is typical of the Archaean Southern Cross Greenstone Belt, which is comprised of a sequence of mafic, ultramafic and sedimentary rocks, including banded iron formations (BIF's). There is a small gold working in the area called the 'Pride of Elvire". There are no records of production available.



Figure 3. Geological Interpretation – Elvire ELA77/2651 (Source: Craven, B. Southern Geoscience, E29/266 & E30/148) The **Carina ELA77/2653** tenement (82km²) is located ~100km's north-east of Southern Cross. The Carina iron ore deposit (situated on M77/1261-I and M77/1244-I and shown in blue in Figures 4 & 5) is excised from Carina ELA 77/2653).

ELA77/2653 sits on the eastern side of the Mount Dimer Shear Zone, in a north-west trending package of komatiitic basalts, peridotite, and altered talc-chloritic schists, passing into mafic lavas, high Mg basalts and vesicular basalts, with thin interbedded horizons of chert and BIF.

There is little outcrop in the area due to deep weathering and lateritisation, processes which have formed the goethite and minor hematite comprising the nearby Carina iron deposit. A detailed review of past work and the airborne data is required to determine the potential for litho-structurally controlled gold (and iron ore) deposits.



Figure 4. GSWA Geology Plan – Carina ELA 77/2653

Figure 5. 1st VD Magnetic Image – Carina ELA 77/2653

Gianni - Ward Springs Due Diligence/ & Option Terms Sheet

- Tenement: ELA30/525 Binding Terms Sheet with Peter Gianni
- \$1,000 cash upon signing, with 2 months post grant of Elvire ELA77/2651 to decide if to exercise Option to purchase the tenement for \$10,000 plus 1% NSR.

The Ward Springs ELA 30/525 (26.9km²) is located on the narrow Mount Marmion greenstone belt, which extends south to the Yerilgee Belt and north to the South Cook Well belt. Amphibolite, ultramafic and BIF units display greenschist facies metamorphism. Small, tight folds occur in the BIF units, and the belt is intruded by and faulted against granitoid.

The tenement is wholly covered by Lake Barlee sediments, and although the area has been held under numerous titles over the years, it appears that there has been no effective exploration undertaken. However, aeromagnetic data indicates a continuation of BIF and amphibolite under the lake sediments and sheet wash.

A detailed review of past work and the airborne data (refer Figure 6) is required to determine the potential for litho-structurally controlled gold deposits.



Figure 6. 1st VD Magnetic Image – Ward Springs ELA 30/525

Issued under Authority of the Board of Directors, Enterprise Metals Limited.

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Competent Person Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Dermot Ryan, who is an employee of Xserv Pty Ltd and a Director and security holder of the Company. Mr Ryan is a Fellow of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Ryan consents to the inclusion in this report of the matters based on information in the form and context in which it appears.