

Field Crew Mobilised for Douglas Creek DDIP Survey

Great Northern Minerals Limited (ASX:GNM) (**GNM** or the **Company**) is pleased to announce field crews have mobilised and commenced the dipole dipole induced polarisation (DDIP) survey at its Douglas Creek Project (**Douglas Creek** or the **Project**).

HIGHLIGHTS:

- The Fender Geophysics **field crew have mobilised to site** to undertake the planned **DDIP survey**, targeting reprocessed magnetic anomalies as well as mineralisation identified from surface sampling and previous drilling.
- Previous exploration at Douglas Creek has confirmed multiple zones of intrusion related gold (IRG) mineralisation including **rock chip samples of up to 8.6 g/t gold, 598 g/t silver and 11.0% copper** (refer to ASX announcements dated 31 May 2022, 27 July 2022 and 27 October 2022).
- All line clearing activities have been completed on site, with survey lines currently being run by the field crew.
- Fieldwork for the 6 DDIP survey lines is expected to be **completed within the next two weeks**. Results from the DDIP survey are anticipated shortly following the completion of on-ground activities.

Non-Executive Chairman, Eddie King, commented: *“The commencement of the DDIP survey at Douglas Creek represents an important step forward in unlocking the potential of this highly prospective project. Our technical team has identified compelling evidence supporting the presence of a large porphyry copper-gold system. This survey will deliver critical subsurface data to refine our geological model and support the design of a targeted drilling program.”*



Figure 1: Field Crew on site running survey lines.

Douglas Creek DDIP Survey Update

GNM has planned and designed 6 priority lines of DDIP survey targeting the magnetic anomalies supported by alteration studies, as well as mineralisation intersected in the drilling and encountered at surface. The primary aim of the DDIP survey is to detect large accumulation of disseminated sulphide and/or silicification at depth that may indicate the presence of a buried mineralised porphyry system. The field work for the DDIP survey has commenced on site and is expected to be completed within two weeks. Results of the survey are expected to be received shortly after the completion of on-ground activities once the complete set of geophysical data can be fully analysed and reviewed.



Figure 2: Field Crew on site identifying survey lines.



Figures 3 & 4: Field Crew navigating terrain to establish survey lines.

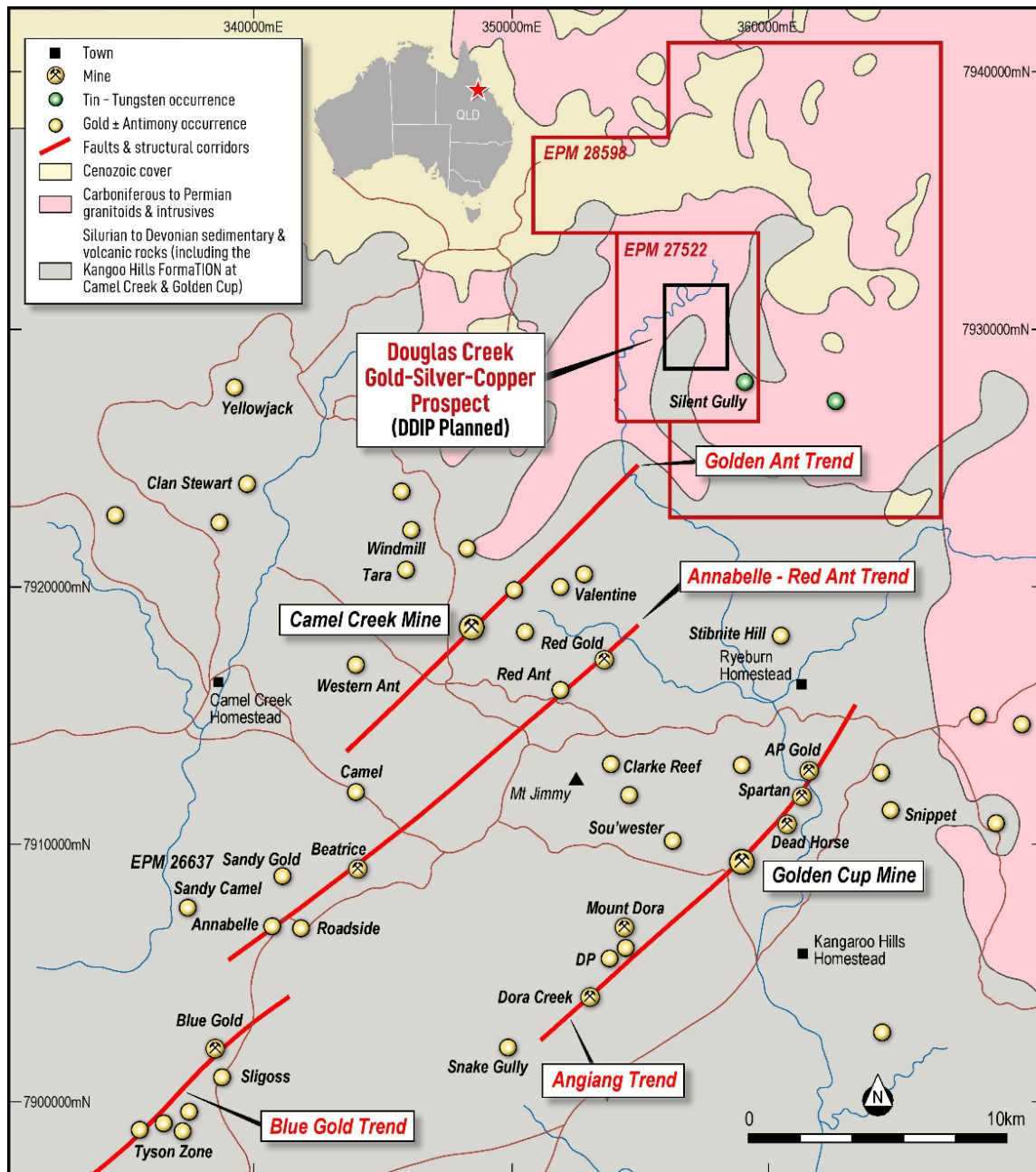


Figure 5: Map showing location of Douglas Creek tenements.

Forward Looking and Cautionary Statements

Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward looking statements may be affected by a range of variables that could cause actual results to differ from estimated results, and may cause the Company's actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward looking statements.



This announcement has been authorised by the Board of Great Northern Minerals Limited.

ENDS

For further information please contact:

Scott Downsborough

General Manager

Great Northern Minerals Limited

+61 8 9481 0389

scott@greatnorthernminerals.com.au