

26<sup>th</sup> October 2021

## **Western Gold Resources partners with CSIRO to explore the Gold Duke Project**

### **HIGHLIGHTS**

- **Partnership to utilise CSIRO's world-leading expertise to analyse soil sample assay data and provide new data analytics and targeting for mineral exploration, improving the prospects of future discoveries**
- **CSIRO expertise to be applied to the extensive soil sampling program underway at the Prince Ivan project, an underexplored area of the Joyner's Find Greenstone belt.**
- **The Prince Ivan project is adjacent to Great Western Exploration Limited's Firebird Gold prospect, a large, strong gold in soil anomaly (peak Au of 20ppb)**

Western Gold Resources (ASX: WGR) ("WGR" or "the Company") has partnered with the CSIRO as an industry partner of the M462b UltraFine+ research project. The project calls upon CSIRO's world-leading expertise to analyse the soil sample geochemical assay data and provide new data analytics and targeting for mineral exploration.

The partnership between CSIRO and WGR aims to develop a robust set of measurable parameters and new data products using the UltraFine+ method (LabWest Minerals Analysis Pty Ltd, Malaga, WA) to fully assess the soil properties and relationships (to the geochemistry) to improve the chances of future discovery. The project aims to generate new, quality targets through cover by determining the relationships of the host mineral phases, size fraction, physicochemical parameters of the samples, landform setting, and how this relates to buried mineralisation at local and regional scales.

WGR has begun a regional-scale soil sampling program at its Prince Ivan prospect, located along the western margin of its tenement holdings (Fig. 1) within the Joyner's Find Greenstone belt. No historic drilling or extensive soil sampling programs have been conducted at the prospect in an area the Company sees as having significant exploration potential. The soil sampling program covers an area of approximately 12km<sup>2</sup> and an estimated 2500 soil samples are to be collected.

The Prince Ivan prospect is interpreted to consist of a N to NNW-trending package of felsic sediments, ultramafics and banded iron formation. Numerous NE and NW-trending faults, interpreted from aeromagnetic data, are present within the area and are known to control gold mineralisation at the other prospects within the Gold Duke Project.

The soil sampling program is adjacent to Great Western Exploration Limited's Firebird Gold prospect, large, a strong gold in soil anomaly (peak Au of 20ppb) and an arsenic-in-soil anomaly that is some 2.1km long and 350m wide. This anomaly is associated with a series of interpreted NNW-SSE trending splay faults on the western edge of the Joyner's Find Greenstone sequence that extend into WGR tenure.

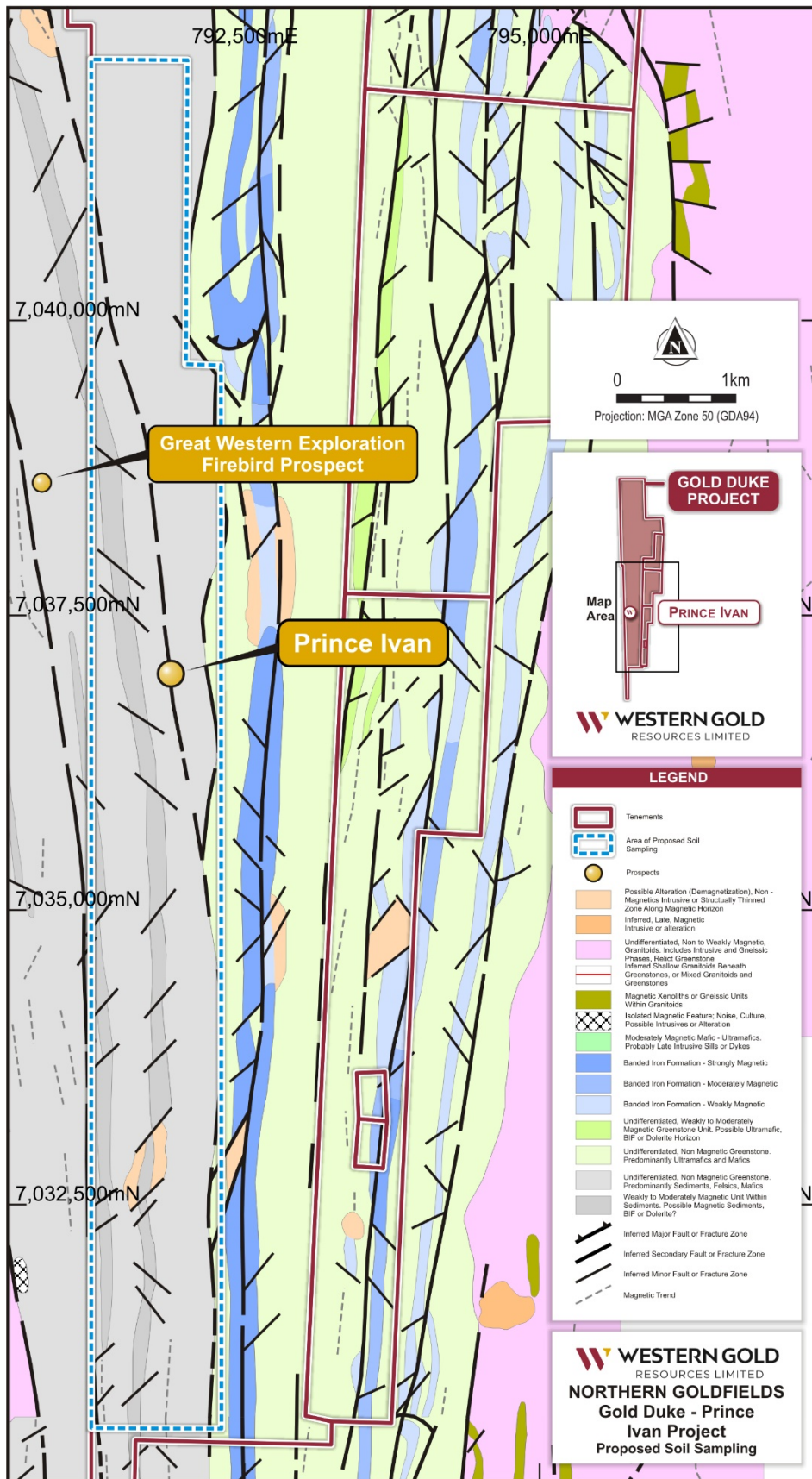


Figure 1 – Gold Duke project on TMI interpretation displaying location of Prince Ivan Prospect, Ultrafines+ soil sampling area and adjacent Firebird Prospect

This ASX announcement was authorised for release by the Board.

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**Competent Person's Statement**

*The information in this report which relates to Exploration Targets and Exploration Results is based on information compiled by Dr Warren Thorne, is a member of the Australasian Institute of Mining and Metallurgy (AusIMM) and a full-time employee of the company. Dr Thorne who is an option-holder, has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves" (JORC Code). Dr Thorne consents to inclusion in the report of the matters based on this information in the form and context in which it appears.*