

19 October 2022

## Moving Loop EM survey underway targeting Nickel sulphides

### HIGHLIGHTS

- 20 lines of Ground based Moving Loop Electromagnetic survey (MLEM) underway.
- 2 priority Nickel/Platinum/palladium in soil anomalies to be targeted by the MLEM survey.
- MLEM survey looking to define EM conductors that could represent concealed nickel sulphides
- Priority EM conductors to be subsequently drill tested.
- Results due in the December 2022 quarter.

Western Gold Resources Limited (ASX: WGR) (“**WGR**” or “the **Company**”) is pleased to announce that it is commencing a ground based MLEM survey. The survey aims to delineate drilling targets associated with 2 nickel-platinum-palladium soil anomalies (Big Z's and Duran's) identified by the soil sampling program within the Joyners Find Greenstone Belt at WGR's Gold Duke project (see ASX 11th July 2022)

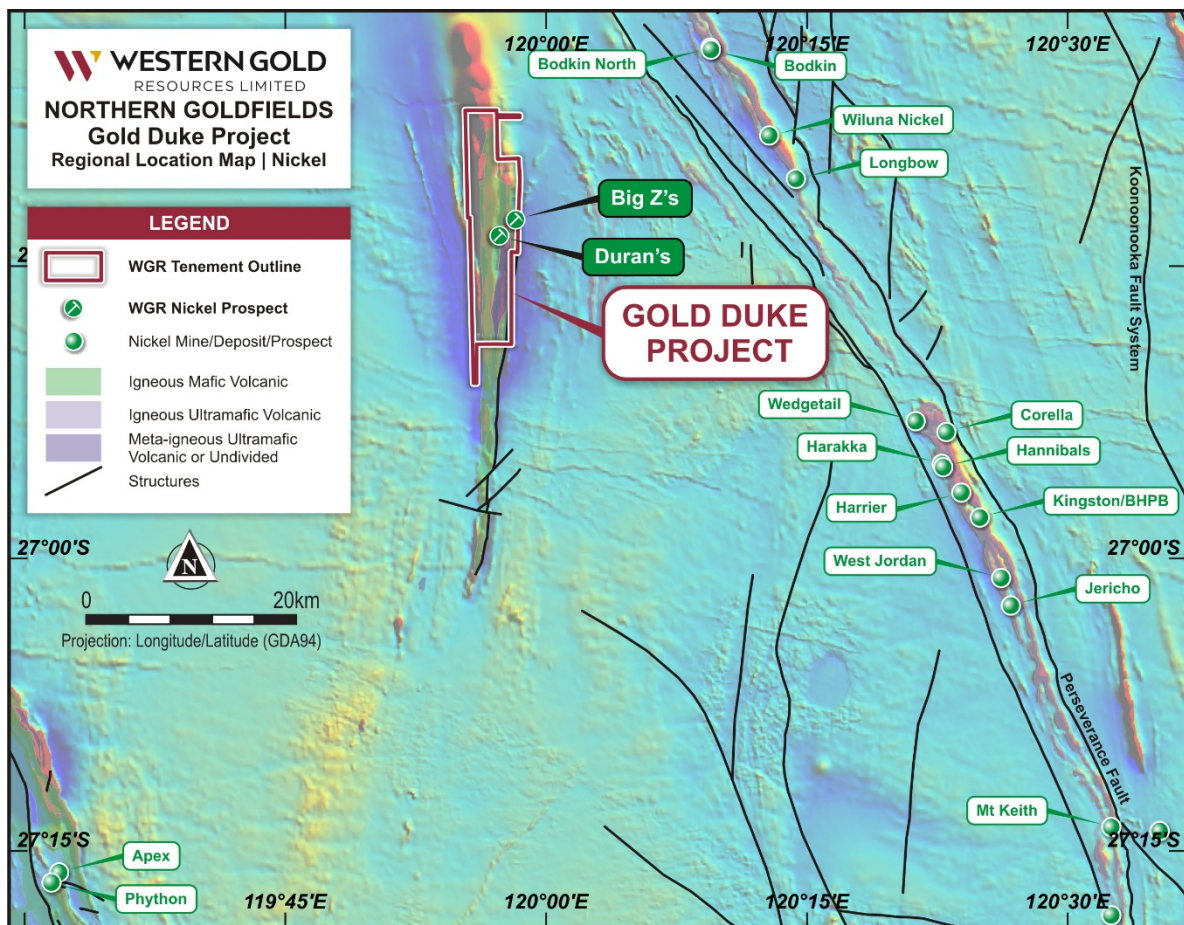


Figure. 1 Location of and ultramafic sequence of the Gold Duke project and adjacent nickel deposits of the Agnew-Wiluna Greenstone Belt

The Joyners Find Greenstone Belt is located adjacent to the 2.7 Ga Agnew-Wiluna Greenstone Belt which contains numerous komatiite-hosted Ni-Cu-PGE deposits, including two of the world's largest known komatiite-hosted ore deposits at Mount Keith (Figure 1) and Perseverance, for an inventory for the belt of >10 mt of contained Ni.

WGR Managing Director Warren Thorne commented:

*“WGR’s collaboration with CSIRO in utilising their proprietary Ultrafine+ geochemical sampling technique (UFF) has identified nickel-platinum-palladium anomalies within mafic/ultramafic sequences that require further exploration. WGR are now on the ground, with a ground based MLEM survey to commence to search for EM conductors that could represent concealed massive sulphides, any unlock the potential of the underexplored greenstone belt”*

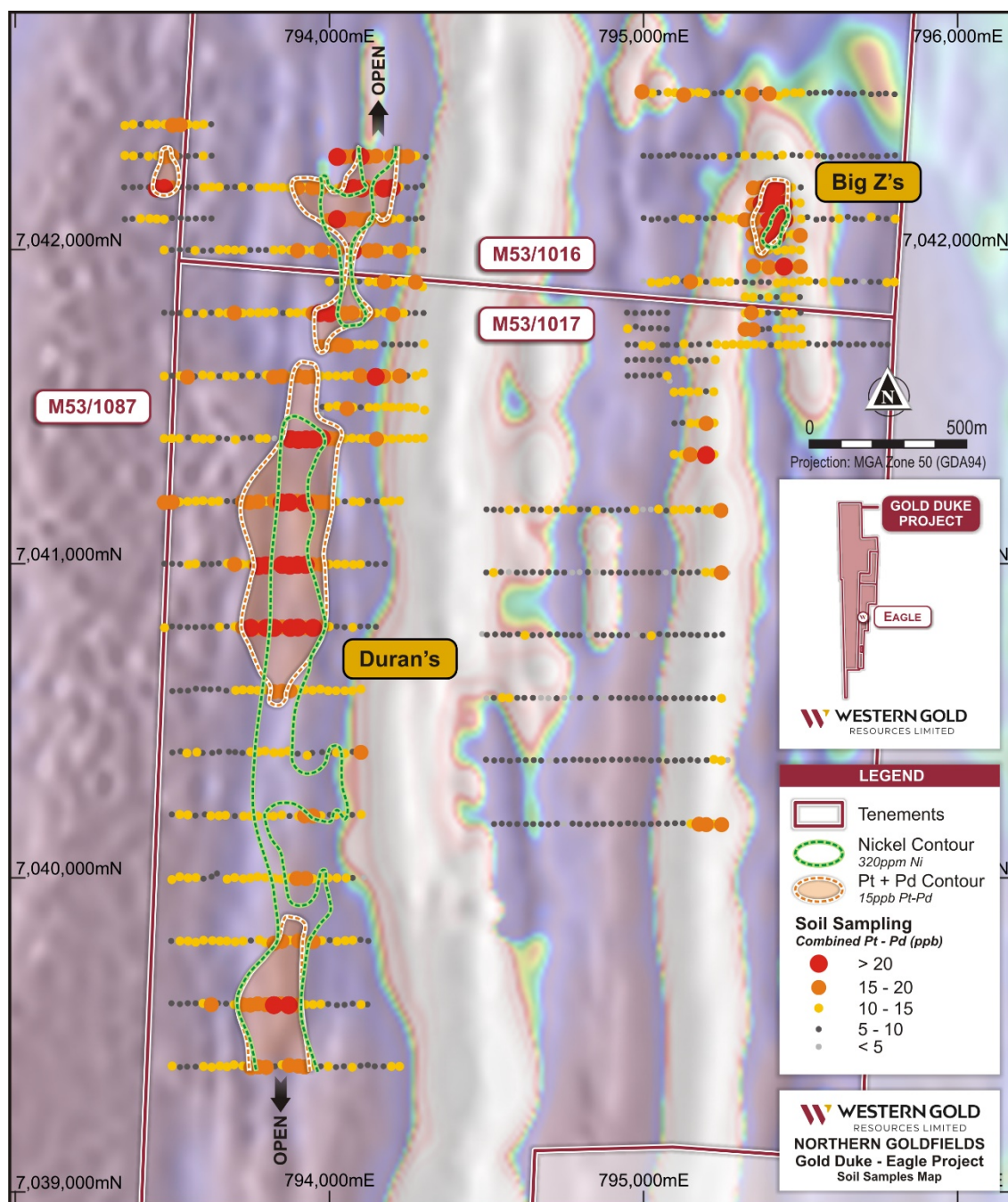


Figure 2. UFF+ soil geochemistry Ni-Pt Pd anomalies over TMI image

WGR completed a program of UFF soil sampling over much of the interpreted mafic/ultramafic sequence in the central part of the tenement package (Figure 2) on a 200 x25m grid, with infill 100m by 25m lines. The Big Z's and Duran targets are to be tested by MLEM survey consisting of 200x200m loops with 100m stations along lines that are 600m in length. Southern Geoscience Consultants are currently mobilising to site and WGR expects results and interpretation in early December 2022.

This ASX announcement was authorised for release by Gary Lyons, Chairman of Western Gold Resources Limited.

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**Competent Person's Statement**

*Where the Company refers to previous Exploration Results referencing the ASX announcement on 11 July 2022, it confirms that it is not aware of any new information or data that materially affects the information included in those announcements and all information in relation to the Exploration Results and material assumptions and technical parameters underpinning the Mineral Resource estimate within those announcements continues to apply and has not materially changed.*