

## Gold Exploration Begins at Sandstone Gold Project (WA)

### Along Stike from Alto Metals Ltd (ASX:AME) High-grade Lord Nelson Gold Project

#### HIGHLIGHTS

- First exploration program underway at the promising Sandstone Gold Project following grant of licence and the company will also assay for Lithium.
- Magnetic trends interpreted as folded greenstone that offer excellent potential to host new bedrock gold mineralisation.
- Project area just 3km along stike from the historic Lord Nelson deposit that produced 207Koz @ 4.6g/t Au owned by Alto Metals Ltd (ASX:AME) and is the subject of a merger with Brightstar resources Ltd (ASX:BTR).
- Alto Metals Ltd released results highlighting significant thick gold mineralisation from the Lord Nelson project of 67m @ 2.3g/t Au<sup>3</sup>.
- Sandstone adds to WGR's extensive gold-focused north-eastern Yilgarn landholdings and complements the advanced Gold Duke gold project, located 35km southwest of Wiluna.
- WGR expects to release its production Scoping Study shortly that will be based on the current Mineral Resource Estimate of 4.57Mt and 2.00g/t Au as the company makes preparations to move the Gold Duke project into production as the gold price trades at near record highs.

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Western Gold Resources (**ASX: WGR**) ("**WGR**" or "**the Company**") is pleased to announce it has begun exploration on exploration tenement E 53/1339<sup>1</sup> located within the Sandstone greenstone belt. The Sandstone greenstone belt lies in the central-northern part of the Southern Cross Domain of the Youanmi Terrane, within the Yilgarn Craton of Western Australia where gold was first discovered in 1892 with historic production of 1.21Moz<sup>1</sup>.

<sup>1</sup> WGR ASX Ann 28 November 2023, Sandstone Gold – Lithium Project tenement granted – WA,

<sup>2</sup> Rhys S. Davies, David I. Groves, Jonathan G. Standing, Allan Trench, Michael Dentith & John P. Sykes (2019): Litho-structural controls on orogenic gold deposits within the Sandstone greenstone belt, Yilgarn Craton, Western Australia: implications for exploration targeting, Applied Earth Science

<sup>3</sup> AME ASX Ann 27 April 2022 Lord Nelson delivers further thick gold mineralisation including an outstanding intercept of 67m @ 2.3 g/t gold

**WGR Managing Director Warren Thorne commented:**

*“The beginning of exploration at Sandstone provides significant momentum for the Company to expand its gold and critical exploration programmes in Western Australia and delivers a strong pipeline of projects for the Company to work on in the near to mid-term.*

*The new tenure is situated just 3km along strike from the historic Lord Nelson deposit that produced 207Koz @ 4.6g/t Au owned by Alto Metals Ltd (ASX:AME) and is the subject of a merger with Brightstar resources Ltd (ASX:BTR).*

*Together with the Gold Duke gold project, located near Wiluna, this new project strengthens the Company’s position in the world’s dominant gold district as well as the world’s premier Li producing jurisdiction.”*

## **Sandstone Gold-Lithium Project**

The 920 km<sup>2</sup> Archean Sandstone greenstone belt lies in the central-northern part of the Southern Cross Domain of the Youanmi Terrane, Western Australia. The belt, forming an arrow-head geometry, is bounded by the Edale shear zone on its eastern margin (Figure 1). Davies et al., (2019)<sup>2</sup> highlighted the potential for significant undiscovered deposits, hosted within arrays of shear zones parallel and adjacent to the lithosphere-scale Edale shear zone.

Based on the litho-structural controls on ore formation determined by Davies et. al., (2019), E53/1339 has significant potential for undiscovered shear zone-hosted gold deposits. These deposits are likely to be located adjacent to district-scale jogs in major lithospheric-scale structures. WGR’s exploration efforts will target lithology-parallel shear zones and corridors of oblique fault arrays adjacent to the lithospheric-scale Edale shear zone crosscuts the tenement (Figure 1).

The project lies 3km along strike and north of the Lord Nelson pit (Figure 1) where the ore is hosted in a zone of intermixed high magnesium basalt and granodiorite intrusive rocks above a Footwall ultramafic unit. At Lord Nelson, gold is found in quartz shoots 2 to 3 metres wide splaying off the main ore zone 5 to 20 metres wide. Gold is found in quartz-carbonate-pyrite veins, hosted by strongly quartz-biotite-pyrite alteration in brittle ductile shear zones dominated by the biotite.

Recent drilling at Lord Nelson<sup>3</sup> by Alto Metals highlighted the potential of the province with intercepts of 67m @ 2.3 g/t gold (from 172m). WGR strongly believe that similar geology and structural setting is present within the project area, and field reconnaissance and first-pass geochemical sampling will be focussed on determining structural controls and targets for follow-up drilling.

## **AUTHORISED FOR RELEASE ON THE ASX BY THE COMPANY'S BOARD OF DIRECTORS**

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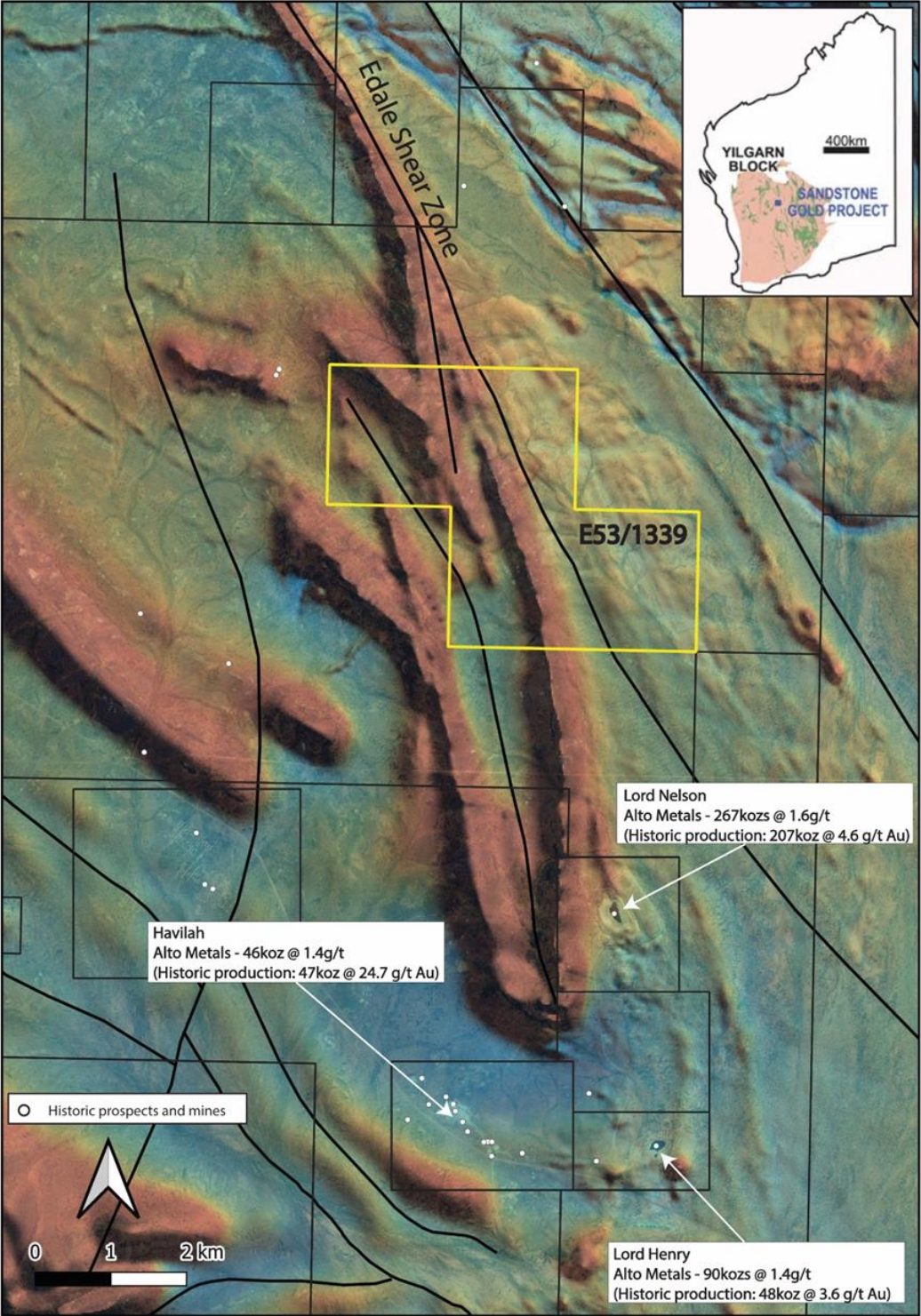


Figure 1. E53/1339 shown on TMI displaying proximity to Edale Shear Zone and nearby resources. Note potential second-order mineralisation structures that crosscut tenure.

## Forward looking statements

*This announcement contains forward-looking statements which are identified by words such as 'may', 'could', 'believes', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this announcement, are expected to take place. Such forward-looking statements does not guarantee future performance and involve known and unknown risks, uncertainties, assumptions, and other important factors, many of which are beyond the control of the Company, the directors and our management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this prospectus will actually occur and investors are cautioned not to place undue reliance on these forward-looking statements. We have no intention to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this announcement, except where required by law. These forward-looking statements are subject to various risk factors that could cause our actual results to differ materially from the results expressed or anticipated in these statements.*

## Competent Person's Statement

*The information in this report which relates to Exploration Results is based on information compiled by Dr Warren Thorne, who 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, 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.*