

Barton Commences Ground Penetrating Radar Survey at Tarcoola Project

HIGHLIGHTS

- High-resolution ground penetrating radar survey commences at Tarcoola Project
- ~2.6km² survey area covering key near-mine portions of new target channel on ML6455¹

Barton Gold Holdings Limited (ASX: **BGD**) (**Barton** or the **Company**) is pleased to announce that a high-resolution ground penetrating radar (**GPR**) survey at the Tarcoola Project has commenced.²

The survey will seek to map the local granite-sediment contact in detail and identify significant offsets, and target key areas of ML6455 identified by the Company during calendar year 2020 as favourable for potential structural repeats of the high-grade mineralisation and structures encountered in the Perseverance Mine.¹

The objective of this survey is to further resolve near-surface structure and stratigraphy in priority target areas, improve the Company's new regional structural model, and confirm priority near-mine drilling targets. To obtain high-resolution data, a spacing of 20m between N-S oriented data lines will be used.

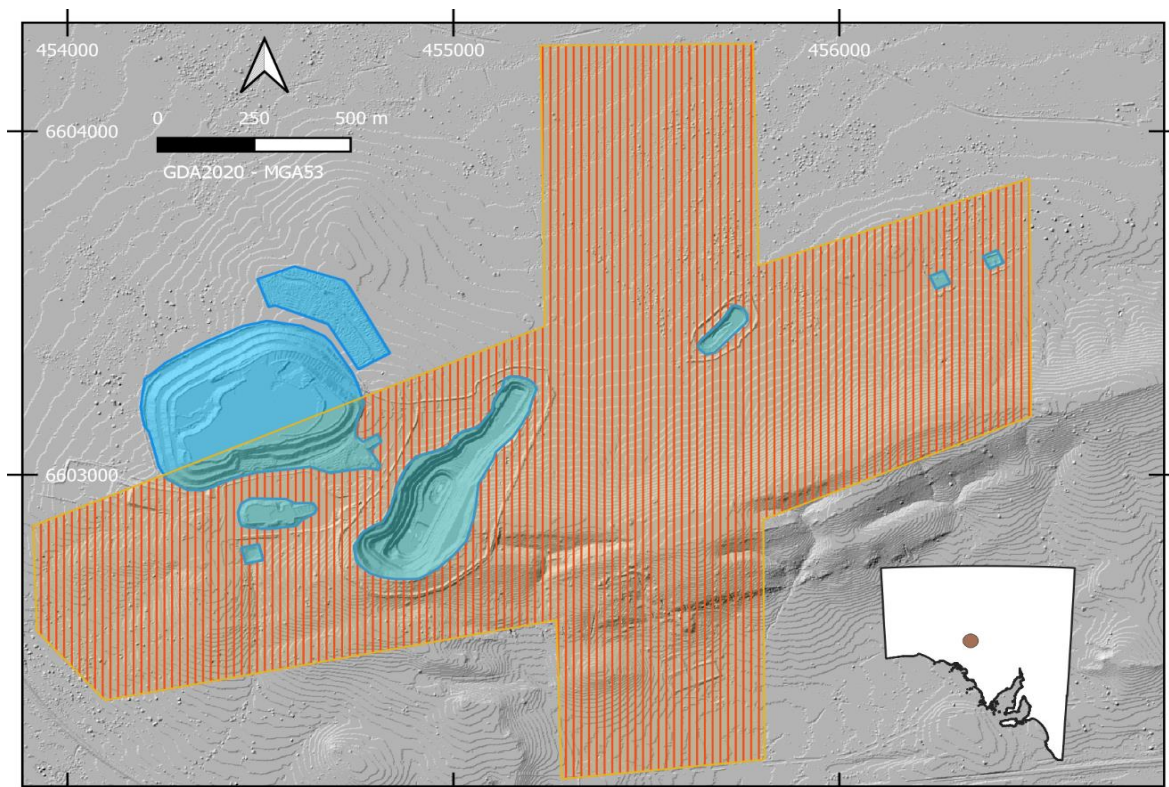


Figure 1 - GPR survey area (Orange) near Perseverance Mine, Tarcoola

¹ Refer to Barton Gold Holdings Limited Prospectus dated 14 May 2021.

² Refer to Barton Gold Holdings Limited ASX announcement dated 28 June 2021.

New Tarcoola ML6455 Target Channel

In March 2020, Barton completed a high-resolution airborne geophysical survey over ~143km² of the ML6455 and EL6210 tenements, acquiring data at far higher resolution than previous surveys.³

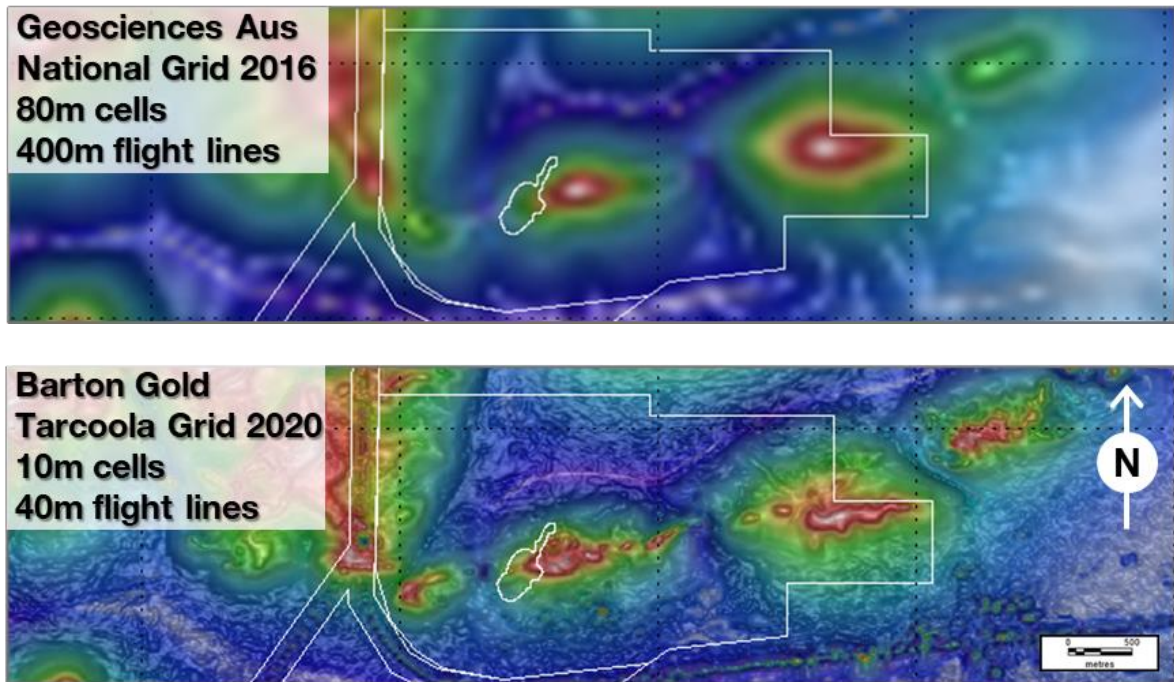


Figure 2 – Comparison of Geoscience Australia and Barton Aeromagnetic Survey Resolutions³

Detailed processing of the data collected identified a new ‘target channel’ across ML6455 favourable for potential structural repeats of the mineralisation and structure encountered in the Perseverance Mine.³ The GPR survey is planned to include the priority target area identified as #1 in Figure 3 below.³

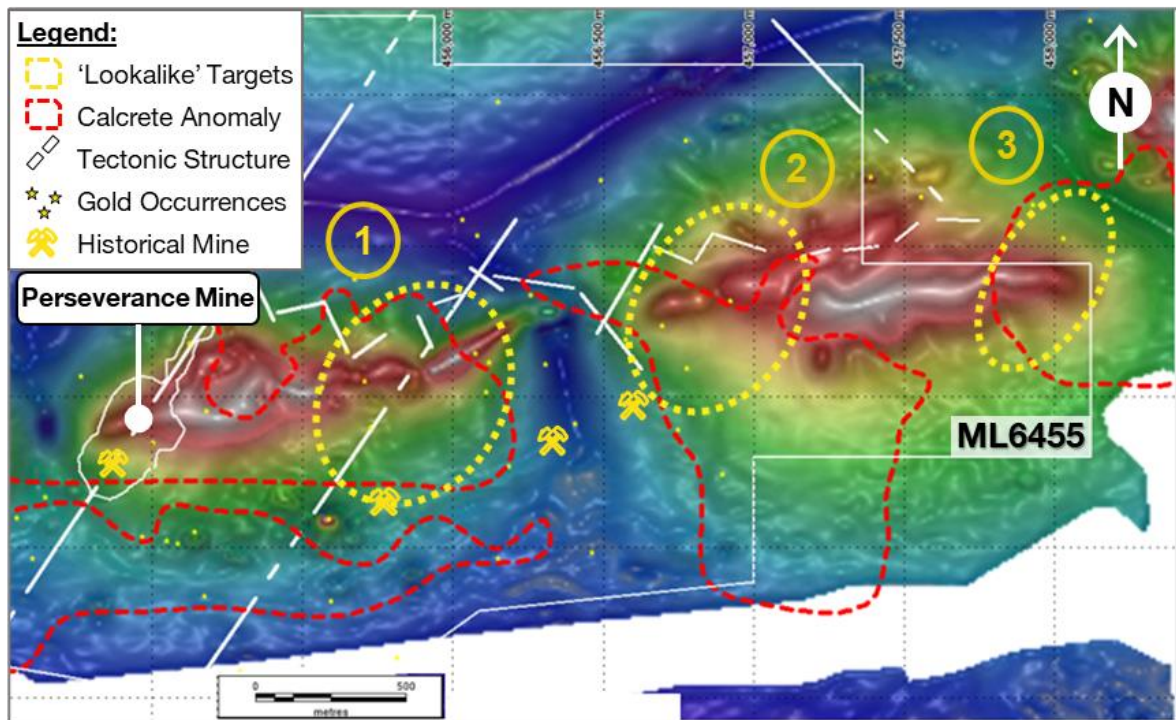


Figure 3 – Potential Near-Mine ‘Perseverance Repeat’ Targets within ML6455³

³ Refer to Barton Gold Holdings Limited Prospectus dated 14 May 2021.

Commenting on the Tarcoola GPR survey, Barton MD, Alexander Scanlon, said:

"This is an important piece of work to undertake early in our Tarcoola exploration programs. Our extensive geophysical analyses indicate significant potential across ML6455 and EL6210 for repeats of the style and structure of high-grade mineralisation encountered in the Perseverance Mine.

"Barton is aggressively building the first comprehensive modern database over this project area, which will include extensive historical data sets, the ultra-high-resolution aeromagnetic survey completed in 2020, and new ground penetrating radar and gravity surveys over key target areas of ML6455 and EL6210.

"If GPR proves to be a successful tool for resolving near-surface structures at Tarcoola, it has the potential to significantly accelerate the identification and testing of priority targets on a lower-risk and cost-efficient basis."

Authorised by the Board of Barton Gold Holdings Limited.

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About Barton Gold

Barton Gold is an ASX listed Australian gold exploration company with a total attributable ~1.1Moz Au JORC (2012) Mineral Resources endowment (28.74Mt @ 1.2 g/t Au), a pipeline of advanced exploration projects and brownfield mines, and 100% ownership of the only regional gold mill in the central Gawler Craton of South Australia.*

Tarcoola Gold Project

- Existing brownfield open pit mine within trucking distance of Barton's processing plant
- Significant mineral extensions
- Under-explored asset with untapped scale potential

Tunkillia Gold Project

- **965koz Au Mineral Resources (26.1Mt @ 1.15 g/t Au)***
- Host structure extends 7km north and 7km south
- District-scale structures with advanced satellite targets

Infrastructure

- 650ktpa CIP process plant, 240 person village, workshop, labs and airstrip
- Tarcoola ~40 person lodging to support mine operations
- Tunkillia camp to support dedicated project team



Competent Persons Statement & Previously Reported Information

The information in this announcement that relates to Exploration Results and Mineral Resources listed in the table below is based on, and fairly represents, information and supporting documentation prepared by the Competent Person whose name appears in the same row, who is an independent consultant to the Company and is a Member or Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM), Australian Institute of Geoscientists (AIG) or a Recognised Professional Organisation (RPO). Each person named in the table below has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he has undertaken to qualify as a Competent Person as defined in the JORC Code 2012.

Activity	Competent Person	Membership	Status
Tarcoola Mineral Resource	Dr Andrew Fowler	AusIMM	Member
Tarcoola Exploration Results	Mr Colin Skidmore	AIG	Member
Tunkillia Mineral Resource	Dr Andrew Fowler	AusIMM	Member
Challenger Mineral Resource	Mr Dale Sims	AusIMM / AIG	Fellow / Member
Western Gawler Craton JV Mineral Resource	Mr Richard Maddocks	AusIMM	Fellow

The information relating to Exploration Results and Mineral Resources in this announcement is extracted from the Company's Prospectus dated 14 May 2021, available from the Company's website at www.bartongold.com.au or on the ASX website www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the Exploration Results and Mineral Resource information included in the Prospectus and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the Prospectus continue to apply and have not materially changed. The Company confirms that the form and context in which the applicable Competent Persons' findings are presented have not been materially modified from the Prospectus.

Cautionary Statement Regarding Forward-Looking Information

This document may contain forward-looking statements. Forward-looking statements are often, but not always, identified by the use of words such as "seek", "anticipate", "believe", "plan", "expect", "target" and "intend" and statements that an event or result "may", "will", "should", "would", "could", or "might" occur or be achieved and other similar expressions. Forward-looking information is subject to business, legal and economic risks and uncertainties and other factors that could cause actual results to differ materially from those contained in forward-looking statements. Such factors include, among other things, risks relating to property interests, the global economic climate, commodity prices, sovereign and legal risks, and environmental risks. Forward-looking statements are based upon estimates and opinions at the date the statements are made. Barton undertakes no obligation to update these forward-looking statements for events or circumstances that occur subsequent to such dates or to update or keep current any of the information contained herein. Any estimates or projections as to events that may occur in the future (including projections of revenue, expense, net income and performance) are based upon the best judgment of Barton from information available as of the date of this document. There is no guarantee that any of these estimates or projections will be achieved. Actual results will vary from the projections and such variations may be material. Nothing contained herein is, or shall be relied upon as, a promise or representation as to the past or future. Any reliance placed by the reader on this document, or on any forward-looking statement contained in or referred to in this document will be solely at the readers own risk, and readers are cautioned not to place undue reliance on forward-looking statements due to the inherent uncertainty thereof.

* Refer to Barton Gold Holdings Limited Prospectus dated 14 May 2021.