

Completion of Tarcoola Phase 2 Drilling & Ground Penetrating Radar

HIGHLIGHTS

- Barton completes Tarcoola Phase 2 drilling for a total 4,944 metres across 42 holes
- ~2.6km² ground penetrating radar (GPR) survey around Perseverance Mine completed
- Programs completed on schedule, assays results and data expected during next ~4 weeks

Barton Gold Holdings Limited (ASX: **BGD**) (**Barton** or the **Company**) is pleased to announce that both Phase 2 drilling and its high-resolution ground penetrating radar (**GPR**) survey at the Tarcoola Gold Project have now been completed on schedule, with slightly fewer metres required to successfully test all targets.¹

A total of 4,944 metres was drilled across 42 holes targeting Perseverance North and Lady Racin' at the northern end of the Perseverance Mine, Perseverance West and Eclipse at the southern end of the Perseverance Mine, and the Archer prospect located ~400m S/SW of the Perseverance Mine.

A total ~2.6km² surrounding the Perseverance Mine was surveyed by GPR, at a line spacing of ~20 metres.



Figure 1 – Tarcoola Phase 2 Drilling at Perseverance North (July 2021)

¹ Refer to Barton Gold Holdings Limited ASX announcements dated 12 July 2021 and 16 July 2021.



Figure 2 - Tarcoola Phase 2 Drilling at Perseverance West (August 2021)



Figure 3 - Tarcoola Ground Penetrating Radar Survey on ML6455 (July 2021)

Based upon guidance from the Company's assay laboratory and GPR team, the Company anticipates the receipt of Tarcoola Phase 2 gold assays and final GPR survey data within approximately 4 - 6 weeks' time.

Commenting on the completion of these Tarcoola programs, Barton MD Alexander Scanlon said:

"We are very pleased to have completed these programs on schedule despite the current COVID difficulties facing the entire mineral exploration sector. We thank our team and contractors wholeheartedly for their efforts to ensure safe, productive and efficient programs.

"Several of the areas drilled have previously yielded very interesting prior results⁽²⁾ and we have also tested some new targets, so we are looking forward to receiving assay results in the coming weeks.

"The GPR team has also done an impressive job covering over 100 line kilometres in a relatively short period of time. The data collected will now be processed and analysed in conjunction with our other new and historical data sets, targeting new Perseverance style structure discoveries across ML6455.

"We are continuing at pace, with the drilling rig expected to mobilise to Tunkillia later this month."

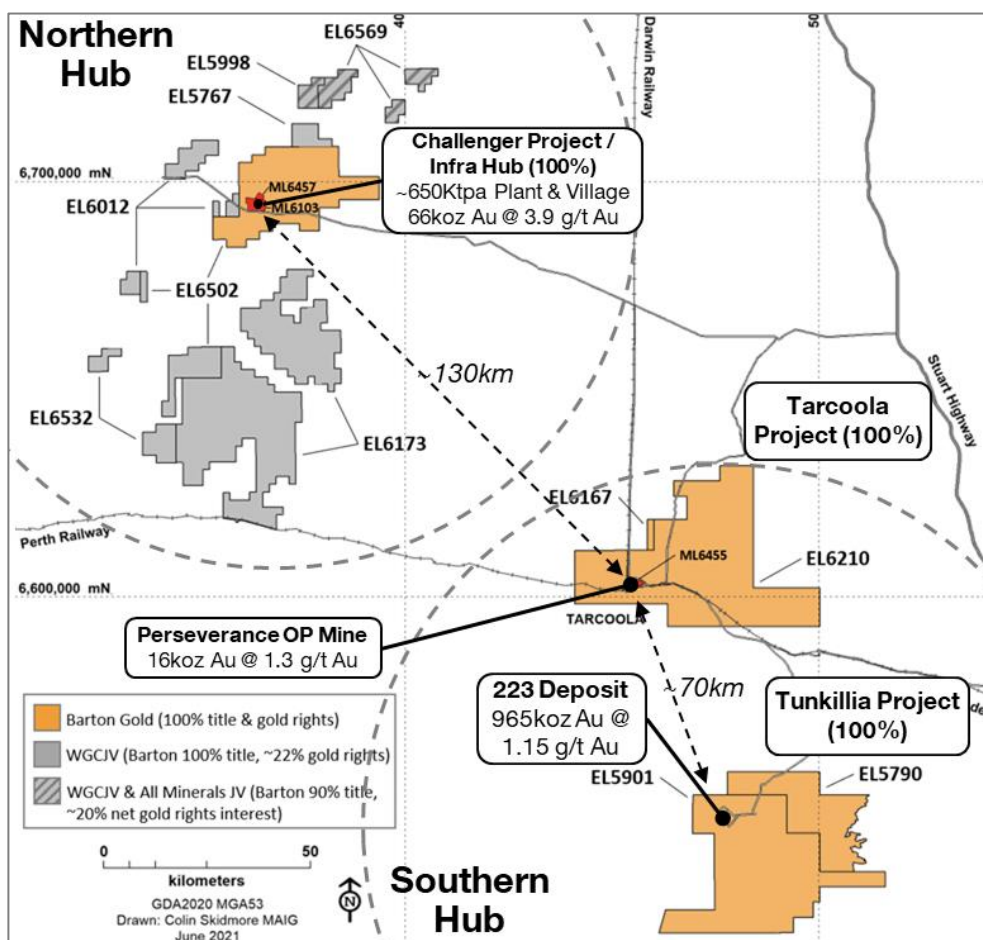


Figure 4 - Barton Southern Hub showing location of Tarcoola and Tunkillia Projects

Authorised by the Board of Barton Gold Holdings Limited.

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² Refer to Barton Gold Holdings Limited Prospectus dated 14 May 2021.

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 than 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.