Barton Gold

ASX Announcement

3 June 2024

Tarcoola Goldfield Drilling Update

HIGHLIGHTS

- ~3,126m reverse circulation (**RC**) drilling completed to-date, priority assay samples dispatched
- Targeting high-grade mineralisation in newly identified structural targets surrounding the Perseverance Mine, where assays have recently confirmed high-grade pit floor extensions[1]

Barton Gold Holdings Limited (ASX:BGD, OTCQB:BGDFF, FRA:BGD3) (**Barton** or the **Company)** is pleased to provide an update for the current drilling program in the historical Tarcoola Goldfield (**Tarcoola)**.

A ~7,000m RC drilling program began 14 May 2024 to test new structural targets near the Perseverance Mine – where pit floor drilling has recently confirmed high-grade extensions of mineralisation grading up to ~12 g/t Au – and priority targets to the west including Tolmer, Mulgathing and Warburton.[1]

A total of 3,126m RC drilling has now been completed across the School, Old Flame and Perseverance North targets (on Mining Lease 6455, see Figure 2 next page), and at the Tolmer target.

Barton is trialling in-field applications of Portable PPB's DetectOre™ technology, and has now dispatched priority samples to the lab for expedited analysis by fire assay based upon preliminary in-field analyses.

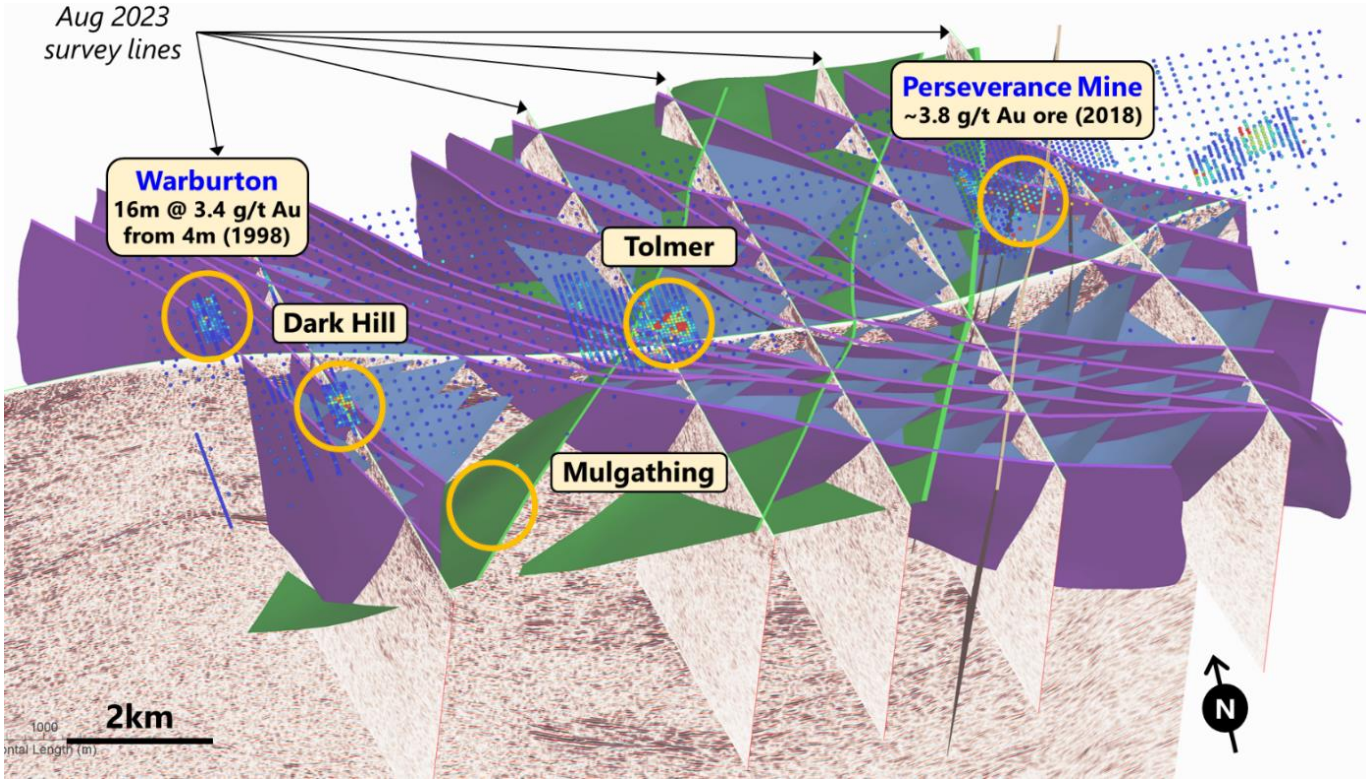

Fig 1 – Interpreted 3D architecture of the historical high-grade Tarcoola Goldfield[1]

[1] Refer to ASX announcement dated 30 May 2024

Barton Gold Holdings Limited
ACN: 633 442 618
ASX: **BGD**
FRA: **BGD3**
OTCQB: **BGDFF**
www.bartongold.com.au

Registered Office
Level 4, 12 Gilles Street
Adelaide, SA 5000 Australia

T +61 8 9322 1587
E contact@bartongold.com.au

Company Directors
Kenneth Williams **Non Executive Chairman**
Alexander Scanlon **Managing Director & CEO**
Christian Paech **Non Executive Director**
Graham Arvidson **Non Executive Director**

Drilling has now paused for approximately two weeks' time, following which the balance of the program will be completed, including further drilling on the Tolmer, Mulgathing and Warburton targets.

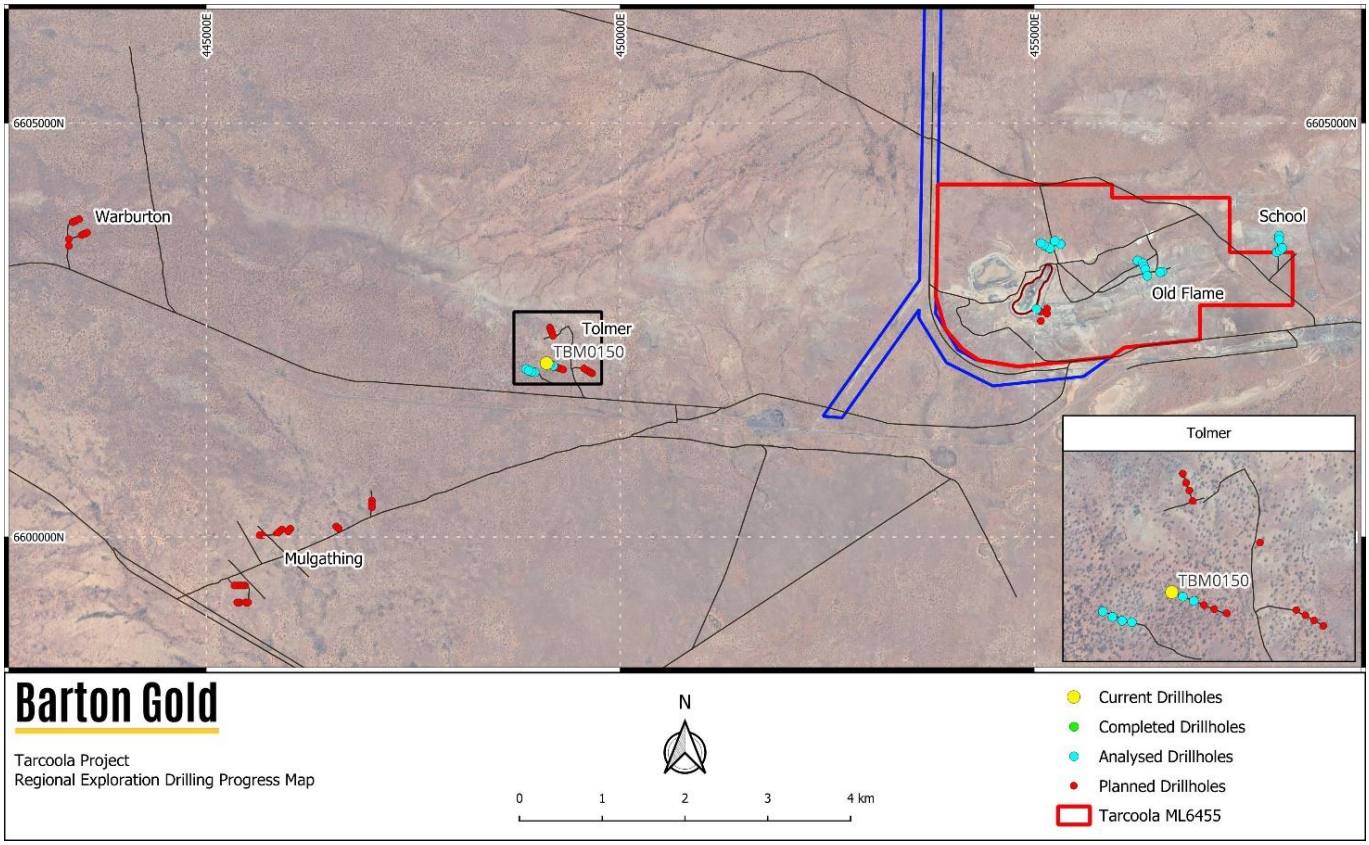

Fig 2 – Current Tarcoola Goldfield RC drilling program in progress, by target area (ML6455 in red)

Commenting on the Tarcoola drilling program, Barton Managing Director Alex Scanlon said:

"Our exploration team and drilling contractor have done an excellent job so far with this program, maintaining a production rate of over 200 metres per day on average despite the challenges of drilling through quartzites.

"We anticipate another 3 – 4 weeks of drilling will complete this initial ~7,000m test of certain newly predicted structural targets, with drilling to re-commence after a 2 week break for the drilling and exploration teams.

"We have expedited sample dispatch and assays for several hundred metres of this first round of drilling, and our geology team is busy remodelling pit floor mineralisation in the Perseverance Mine. Our objective for Tarcoola this year is a steady flow of drilling, analysis, and follow-up to pursue high-grade mineralisation."

Authorised by the Managing Director of Barton Gold Holdings Limited.

For further information, please contact:

Alexander Scanlon
Managing Director
a.scanlon@bartongold.com.au
+61 425 226 649

Shannon Coates
Company Secretary
cosec@bartongold.com.au
+61 8 9322 1587

About Barton Gold

Barton Gold is an ASX, OTCQB and Frankfurt Stock Exchange listed Australian gold developer targeting future gold production of 150,000oz annually, with **~1.6Moz Au JORC Mineral Resources** (52.2Mt @ 0.94 g/t Au), multiple advanced exploration projects and brownfield mines, and **100% ownership of the only regional gold mill** in the renowned central Gawler Craton of South Australia.*

Tarcoola Gold Project

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

Tunkillia Gold Project

- **1.5Moz Au Mineral Resources (51.3Mt @ 0.91 g/t Au)***
- District-scale structures with advanced satellite targets

Infrastructure

- 650ktpa CIP process plant, mine village, 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 the historic Exploration Results and Mineral Resources as 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 employee of or 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 quality as a Competent Person as defined in the JORC Code 2012 (**JORC**).

Activity	Competent Person	Membership	Status
Tarcoola Mineral Resource	Dr Andrew Fowler (Consultant)	AusIMM	Member
Tarcoola Exploration Results (until 15 Nov 2021)	Mr Colin Skidmore (Consultant)	AIG	Member
Tarcoola Exploration Results (after 15 Nov 2021)	Mr Marc Twining (Employee)	AusIMM	Member
Tunkillia Exploration Results (until 15 Nov 2021)	Mr Colin Skidmore (Consultant)	AIG	Member
Tunkillia Exploration Results (after 15 Nov 2021)	Mr Marc Twining (Employee)	AusIMM	Member
Tunkillia Mineral Resource	Mr Ian Taylor (Consultant)	AusIMM	Fellow
Challenger Mineral Resource	Mr Dale Sims (Consultant)	AusIMM / AIG	Fellow / Member

The information relating to historic Exploration Results and Mineral Resources in this announcement is extracted from the Company's Prospectus dated 14 May 2021 or as otherwise noted in this announcement, 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 previous announcements 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 previous announcements.

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 Prospectus dated 14 May 2021 and ASX announcement 4 March 2024. Total Barton attributable JORC (2012) Mineral Resources include 824koz Au (26.8Mt @ 0.96 g/t Au) in Indicated and 750koz Au (25.4Mt @ 0.92 g/t Au) in Inferred categories.**