

Quarterly Activities Report For Period Ending 31 March 2022

HIGHLIGHTS

Tumblegum South Gold Project

- Gold assay results from phase 1 drilling received, including
 - 14m @ 2.49 g/t Au
 - 4m @ 15.07 g/t Au
 - 6m @ 3.07 g/t Au
- Mining consultant Entech engaged to review and update the resource model
- Scoping study planned
- Lab samples submitted to provide information for mining approvals work

West Bryah Copper-Gold Project

- Public data analysis underway
- Soil sampling and drilling program being planned

Management Comment

CEO Greg Almond comments, 'Following the successful completion of Star Minerals' inaugural drilling program at Tumblegum South and release of assays from the laboratory, the Company has continued to progress the project towards production. Work is currently underway to update the resource model and progress through to a scoping study.'

Work at the West Bryah copper-gold project is being planned and further expansion of the area is under review.

We continue to work with the Bryah Resources Limited (ASX: BYH or "Bryah Resources") and Australian Vanadium Limited (ASX: AVL) geology teams to map the best pathway forward into production for the Tumblegum South gold project on its granted mining lease and the best exploration pathway for West Bryah.

The gold and copper markets continue to perform strongly and Star Minerals is working hard to leverage the current sentiment.'

Star Minerals Limited (ASX: SMS, “the Company” or “Star Minerals”) is pleased to provide its quarterly Activities Report for the period ending 31 March 2022. (“Quarter”)

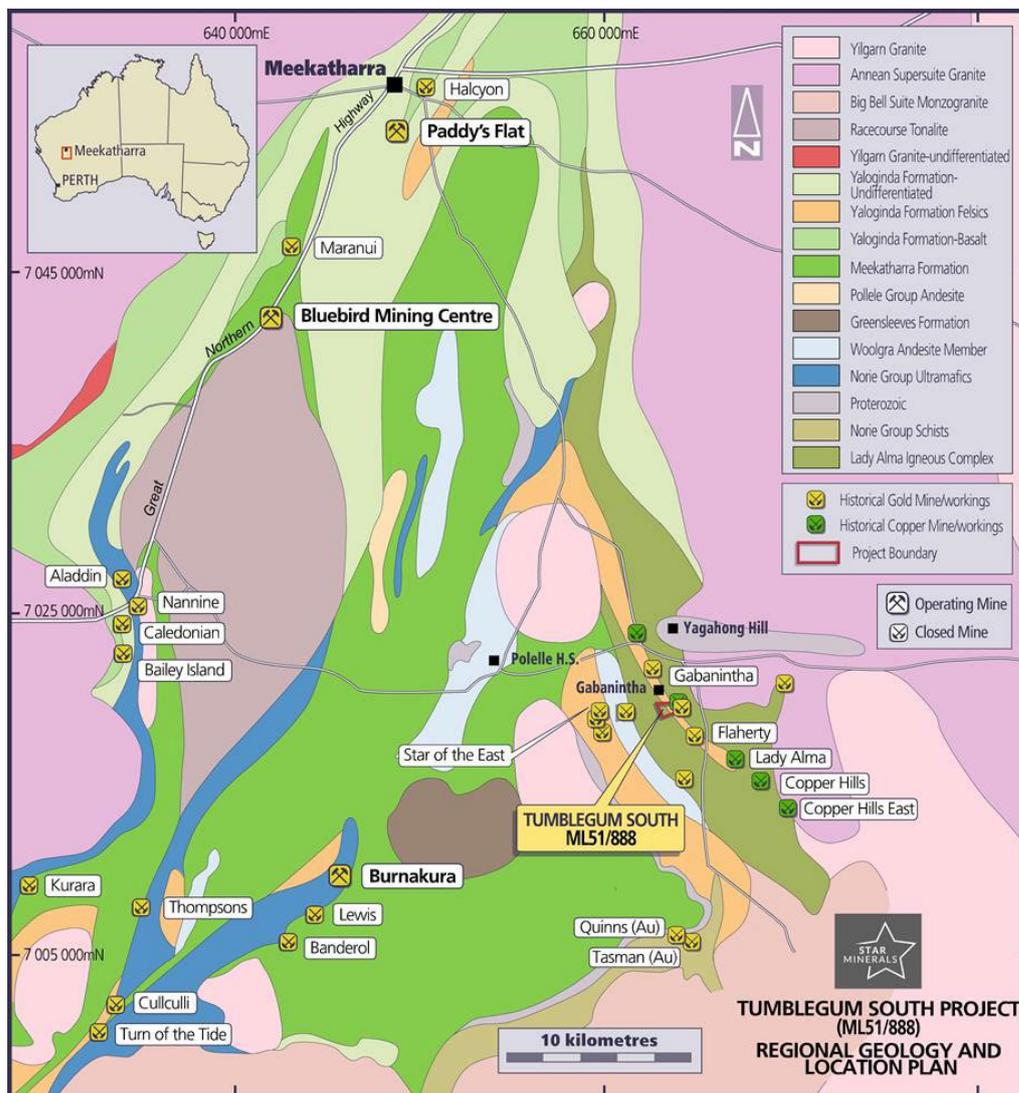
The Company has two main projects, the first a gold Resource at Tumblegum South, 40km south of Meekatharra, and the second the West Bryah copper-gold project, 120km northwest of Meekatharra.

Tumblegum South Project

Tumblegum South has an existing Inferred Resource estimate which totals 600kt, at a grade of 2.2 g/t Au. This work was undertaken by Bryah Resources Limited in January 2020.¹

Tumblegum South is located approximately 40km south of the town of Meekatharra in Western Australia (see Figure 1). The existing mining lease ML51/888 is directly along strike from the Tumblegum Pit which was mined by Dominion during the 1987–1992 Gabanintha Gold Mine Joint Venture. The Company’s current focus is on gold, but there is also significant copper potential on the lease.

Figure 1 – Tumblegum South location



¹ See Star Minerals ASX announcement “Tumblegum South Gold Project Drilling Underway” from 1 November 2021.

Star completed Phase 1 of its drilling program at Tumblegum South in December 2021, after mobilising crew and contractors to site immediately following its listing on the ASX in October 2021.²

A total of 25 holes were completed, for a total of 1,994m. Original plans were for 1,500m, but a number of holes were extended during the course of drilling based on field geology logging.

Significant results from this drilling include:

Table 1 Drilling Assay Results

Hole_ID	Depth_From	Depth_To	Interval (m)	Au (g/t, ppm)
TGRC020	36	40	4	15.07
TGRC013	63	77	14	2.49
TGRC014	109	113	4	6.90
TGRC018	12	18	6	3.07
TGRC014	84	85	1	17.00
TGRC008	147	151	4	3.94
TGRC023	39	44	5	3.08
TGRC021	53	56	3	4.01
TGRC014	115	119	4	2.85
TGRC013	96	100	4	2.74
TGRC012	47	49	2	5.42

This drilling, and the geology and assay information that resulted³, have confirmed the grade and extent of mineralisation that was previously identified by Bryah Resources.

Further work has started with the engagement of Entech, a mining consultant, to review and update the resource model. This work is ongoing, and it is intended this will provide a foundation for a scoping study to define the potential size and scope for mining of the deposit.

² See Star Minerals ASX announcement “Tumblegum South Gold Project - Phase 1 Drilling Complete” from 15 November 2021.

³ See Star Minerals ASX announcement “Gold assay results from Tumblegum South Project Phase 1 drilling” from 25 January 2022.



Further work has begun in the Quarter with the submission of lab samples to provide information for mining approvals work. These samples will provide information on the ore and waste composition needed for environmental assessment.

West Bryah Project

Work at the West Bryah project has been focused on further review of public data, and the planning of a soil sampling and drilling program to commence in 2022. In addition, a number of opportunities to expand the Company's tenements have been examined.

Marketing

CEO Greg Almond has presented at and attended several conferences during the Quarter, enabling Star Minerals to become known by a wider audience. Conferences included:

- Spark Plus Metals & Mining Day, online (presented)
- RIU Explorers, Fremantle (attended)
- Paydirt Battery Minerals Conference, Perth (attended)

Reporting Confirmation

The information in this report that relates to current resource estimates is extracted from the Company's following ASX announcements:

- 1 November 2021 Tumblegum South Gold Project Drilling Underway
- 15 November 2021 Tumblegum South Gold Project - Phase 1 Drilling Complete

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

IPO and ASX Listing Compliance

SMS raised \$5,000,000 pursuant to the offer under its replacement prospectus dated 9 August 2021 as varied by the supplementary prospectus dated 1 September 2021 and the second supplementary prospectus dated 23 September 2021 ("IPO") by the issue of 25,000,000 shares at an issue price of \$0.20 per share and 12,500,000 quoted options exercisable at \$0.30 per option expiring on 15 October 2024.

In accordance with ASX listing rule 5.3.1, details of the Company's group exploration activities for the Quarter, including any material developments or material changes in those activities, and a summary of the expenditure incurred on those activities is detailed in the preceding sections and in Table 2 below.

With respect to listing rule 5.3.2, the Company confirms that there were no mine production and development activities for the Quarter.

In relation to the IPO issue of 3,000,000 Class A Performance Rights and 4,000,000 Class B Performance Rights (together "Performance Securities"), none were converted or cancelled during the Quarter, and

none of the milestones were met for the same period. Every one (1) of the Performance Securities converts into one (1) ordinary share. A summary of the Performance Securities terms and conditions is as follows:

- **Class A Performance Rights:** Convertible following an announcement by the Company to the ASX of a Measured Mineral Resource with a minimum cut-off grade of 0.3g/t gold in relation to tenement M51/888, as determined by an independent Competent Person in compliance with the JORC Code 2012; and
- **Class B Performance Rights:** Convertible following the commencement of commercial gold production in relation to tenement M51/888.

For the purposes of listing rule 5.3.4, the Company provides the following comparison of actual expenditure during the Quarter against the Statement of Capital Structure following the issue of securities pursuant to the Replacement Prospectus and Second Supplementary Prospectus, both announced on 25 October 2021 together with comments.

Table 2 – Comparison of actual expenditure versus estimated expenditure

Use of funds	First 2 Years post listing	Actual Expenditure to End of Second Quarter Post Listing	Balance Remaining
<u>Tumblegum South</u>	\$	\$	\$
Exploration drilling	2,178,000	202,000	2,006,000
<u>West Bryah</u>			
Soil sampling and exploration drilling	880,000	-	880,000
Costs of the Offer	517,500	449,000	68,500
Stamp Duty on Tenements			
Acquisition (estimated)	174,422	-	174,422
Tenement Acquisition and reimbursement of exploration expenses	505,000	505,000	-
Administration costs	816,000	288,000	528,000
Total	\$5,070,922	\$1,394,000	\$3,676,922



As noted, Star Minerals listed on the ASX on 25 October 2021 and as such is still early in the first of the 2 years expenditure commitment referred to in the above table.

The cash position of Star at 31st March 2022 was approximately \$3.54 million.

The aggregate amount of payments to related parties and their associates included in the current Quarter cash flows from operating activities were approximately \$35,000, comprising Directors' fees. Also, during the Quarter, the decision was made to award Mr Greg Almond an annual salary increase of \$20,000, effective 1 April 2022, to reflect market conditions.

No production and development activities were undertaken during the Quarter.

Tenements

According to Listing Rule 5.3.3, the Company provides the following information in relation to its mining tenements.

The mining tenements detailed below in Table 3 were acquired by the Company as part of the IPO and listing process. There were no other mining tenements acquired or disposed of during the Quarter.

Table 3 – Mining tenements and their location

Project	Tenement	Registered Holder	Beneficial Interest	Location	Status
Tumblegum South Project	M51/888	Australian Vanadium Ltd	100%	Western Australia	Pending*
	L51/112	Bryah Resources Ltd	100%	Western Australia	Pending*
West Bryah Project	E52/3553	Pet FC Pty Ltd	100%	Western Australia	Pending*
	E52/3737	Pinny Pty Ltd	100%	Western Australia	Pending*
	E52/3739	Bryah Resources Ltd	100%	Western Australia	Pending*
	E52/3802	ELBAJA Trust (Jalein)	100%	Western Australia	Pending*
	E52/3803	Pinny Pty Ltd	100%	Western Australia	Pending*
	E52/3804	Pinny Pty Ltd	100%	Western Australia	Pending*
	E52/3809	ELBAJA Trust (Jalein)	100%	Western Australia	Pending*

**denotes tenement transfer is in progress*

For further information, please contact:

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This announcement has been produced in accordance with the Company's published continuous disclosure policy and has been approved by the Board



ABOUT STAR MINERALS LIMITED

SMS is focused on development and exploration of its copper and gold projects. The Company will be using the data gathered to complete the required works to bring the Tumblegum South project up to the necessary level for a decision to mine to be made. In addition, it will use the latest exploration techniques as well as results of previous exploration work undertaken by Bryah Resources and other explorers to investigate the potential of both the Tumblegum South and West Bryah projects.

The Board's strategy is to advance the exploration and development of its deposits wherever possible, utilising established mining operations and infrastructure to achieve low risk early production outcomes.

In addition, the Company intends to continue to investigate ways to grow its business by:

- acquisition, application, or joint venturing into areas surrounding and adjacent to the Projects; and
- acquisition, application, or joint venturing into other, unrelated but economically attractive projects compatible with the Company's goals and capabilities if, and when opportunities of this type come available.