



# Manganese Mining Licence Applications Submitted

## HIGHLIGHTS

- Two Mining Licence applications submitted over Bryah Basin Manganese Joint Venture
- Mining licence applications over current JORC resources at the **Brumby Creek and Black Hill Prospects**
- Resource modelling underway to update the Manganese JORC Resource
- Environmental consultant engaged to support mining licence approvals.

Bryah Resources Limited (ASX: BYH, “Bryah” or “the Company”) in conjunction with OM (Manganese) Ltd (OMM) is pleased to announce the submission of two Mining Licence applications at the Bryah Basin manganese project. Bryah (49%) and OMM (51%) have a Joint Venture (JV) to undertake exploration to test targets in the area, with a view to commencing manganese production. OMM is a wholly owned subsidiary of OM Holdings Limited (ASX: OMH), one of the world’s leading suppliers of manganese ores.

Commenting on the application, Bryah CEO Ashley Jones said: *“The Mining Licence applications represent the successful manganese exploration that we have had to date. Further tonnes are expected to be added to the current JORC resource from recent results at Red Rum and Brumby Creek West. The Mining Licence applications and environmental permitting process are part of the final steps getting this manganese mining area back into production.”*

## Mining Licence Applications

Two mining licence areas are under application. The southern area encompasses the Black Hill JORC resource<sup>1</sup> and the Black Hill Northeast prospect. The Northern application includes the Brumby Creek West, Brumby Creek East, Area 74 JORC resources<sup>1</sup> and Redrum project areas. Both applications are on the exploration tenement E52 /3237. The application numbers are M 52/1087 for the Brumby Creek area and M 52/1088 for the Black Hill area

<sup>1</sup> See ASX announcement dated 3rd March 2022 *Maiden Bryah Basin Manganese Mineral Resource*



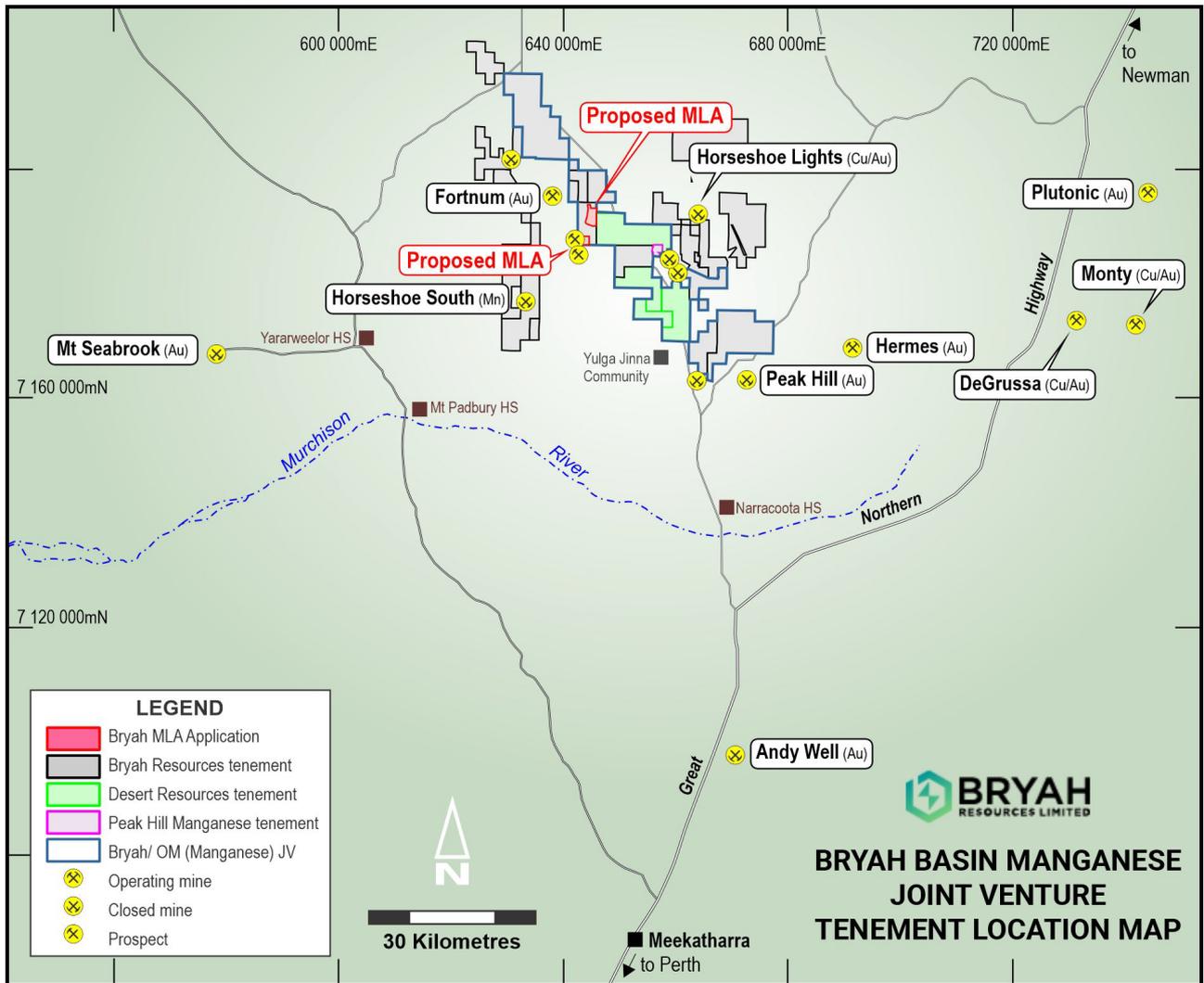


Figure 1: Mining Licence applications within Tenement holding.

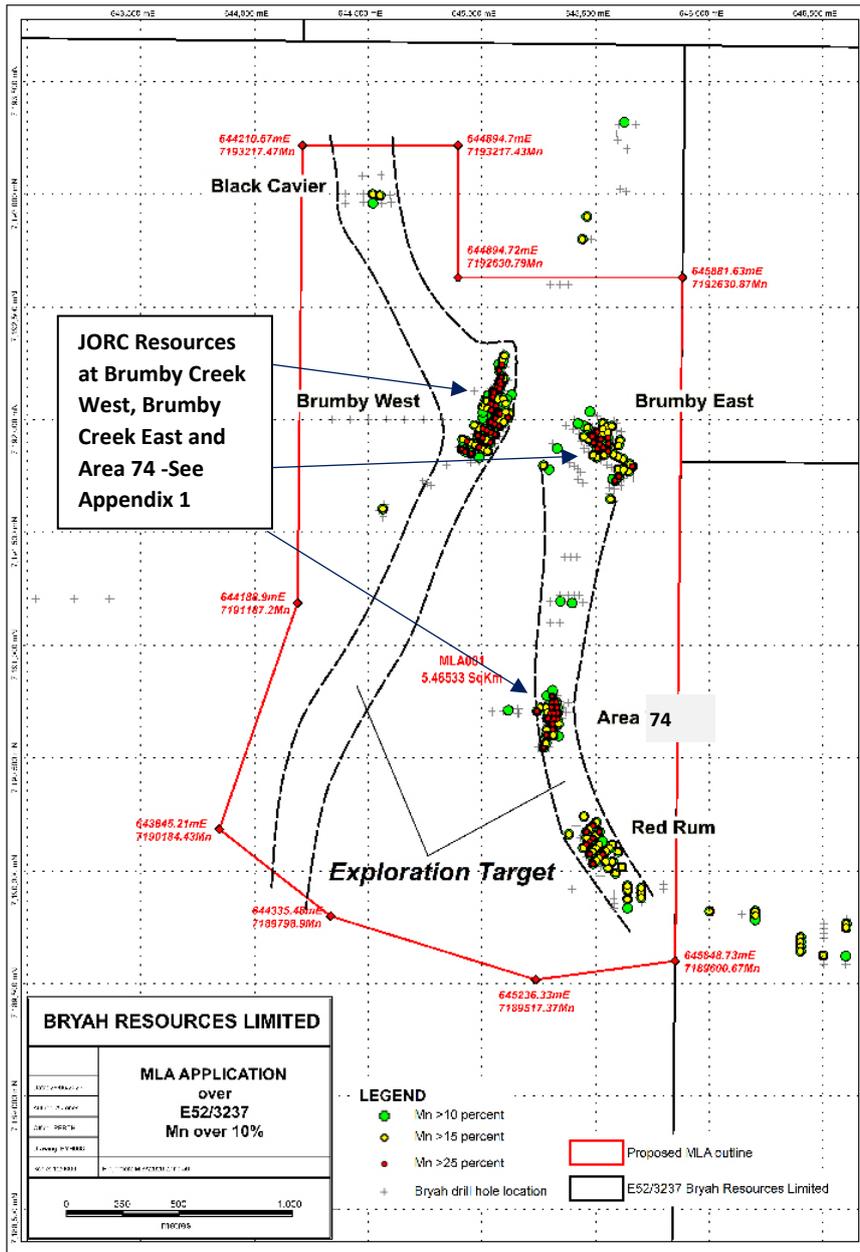


Figure 2 Brumby Creek North Mining Licence applications

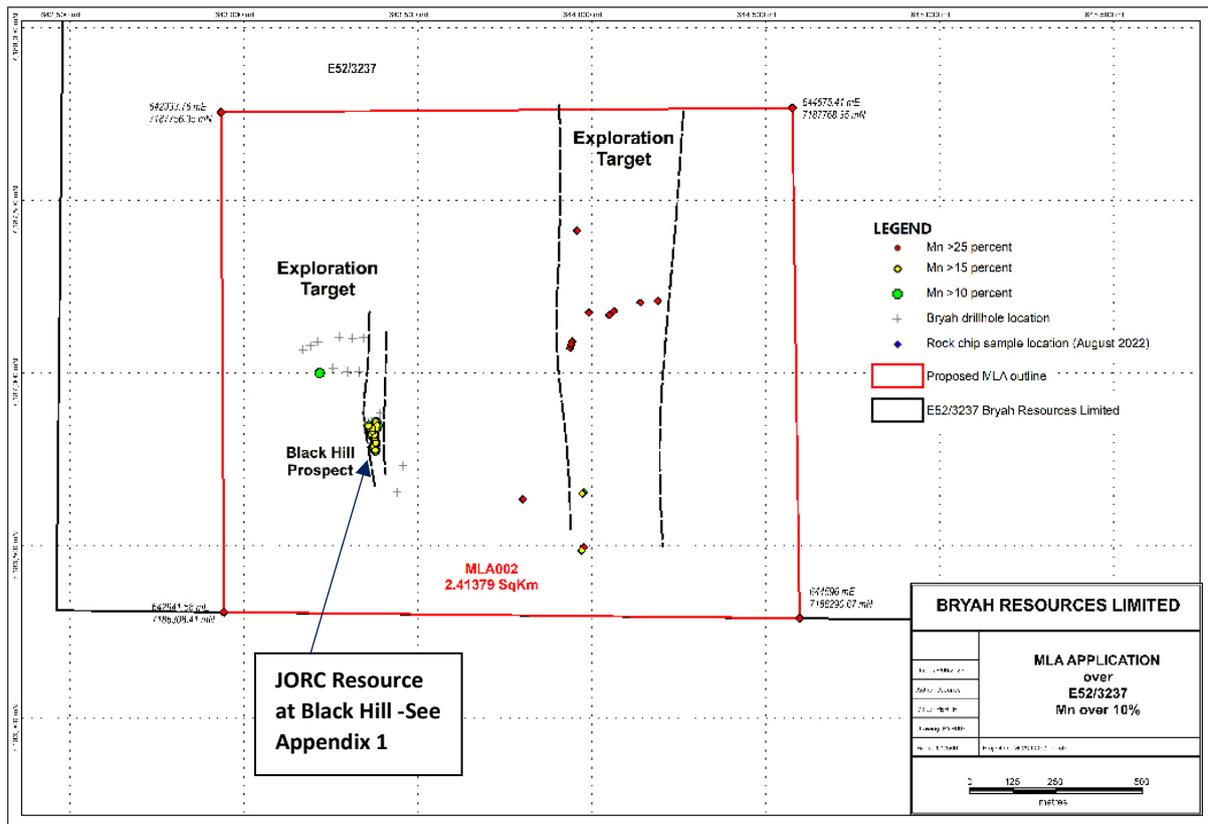


Figure 3 Black Hill Mining Licence application

## FUTURE WORK

A Heritage survey was completed in May 2023 and a drill program is planned to assess 5 new prospect areas; Black Hill Northeast, Epona, Gold Trip, Cheval Saddle. Drilling of these prospects is planned to commence in the next 3 weeks.

An updated resource estimate bringing together the drilling in 2022 is underway and is expected in the coming quarter.

An environmental consultant has been engaged to take the ML application areas through the approvals process.

*For further information, please contact:*

**Ashley Jones, CEO +61 8 9321 0001**

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



## ABOUT BRYAH RESOURCES

Bryah's assets are all located in Western Australia, a Tier One global mining and exploration jurisdiction. Strategically the Projects are energy metals focused, or able to exploit synergies of geological knowledge, locality and exploration.

The prospective Bryah Basin licences cover 1,048km<sup>2</sup> and have a potential new Volcanogenic Massive Sulphide (VMS) 'Horseshoe Lights type' mine analogue at the Windalah prospect, and multiple other similar untested targets. The area also contains extensive outcroppings of manganese, the subject of a substantial \$7M joint venture with ASX listed OM Holdings Limited (ASX: OMH). OMH is a vertically integrated manganese producer and refiner with a market capitalisation of over \$490m. Bryah and OMH have an excellent working relationship, with OMH having already spent over \$3 million to earn-in to the Manganese Rights of the Project.

Gabanintha, near Meekatharra, has a JORC 2012 Mineral Resource for Cu, Ni, Co<sup>2</sup> and additional structural gold potential. The copper nickel resource and recently identified gold mineralisation at Gabanintha will be the subject of further drill definition and a prefeasibility study to integrate the project with the Australian Vanadium Project (ASX: AVL). The resource has been defined by the drilling efforts of AVL in the development of its vanadium project and enabled Bryah to define a base metal resources inventory.

Bryah's base metals inventory at Gabanintha and manganese JV in the Bryah Basin have a clear pathway to production, which will be significantly advanced in 2023 by the commencement and completion of metallurgical feasibility studies at both projects.

An option agreement has been signed over the Lake Johnston tenements which are prospective for battery metals lithium and nickel. On IPO the option holder Mining Green Metals Ltd will pay 5 million shares for 70% of the project, with another 5 million shares for the remaining 30%. The corridor near Lake Johnston contains significant mines and discoveries of nickel and lithium, including the Mount Holland Lithium Mine and the historical Maggie Hays/Emily Ann nickel deposits.

Bryah holds 20.75% of gold focused Star Minerals (ASX:SMS). Star has a Mineral Resource at Tumblegum South and exploration prospects in the West Bryah Basin.

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<sup>2</sup> See ASX announcement dated 25th May 2022 '*36.0 MT Ni-Cu-Co Mineral Resource at Gabanintha*'.



## **Forward Looking Statements**

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This report may contain certain “forward-looking statements” which may not have been based solely on historical facts, but rather may be based on the Company’s current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward looking statements are subject to risks, uncertainties, assumptions and other factors which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Readers should not place undue reliance on forward looking information. The Company does not undertake any obligation to release publicly any revisions to any “forward looking statement” to reflect events or circumstances after the date of this report, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

### **COMPETENT PERSON STATEMENT – EXPLORATION RESULTS AND EXPLORATION TARGETS**

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Tony Standish, who is a Member of the Australian Institute of Geoscientists. Mr Standish is a consultant to Bryah Resources Limited (“the Company”). Tony Standish 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’. Tony Standish consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Where the Company refers to Exploration Results in this announcement (referencing previous releases made to the ASX), the Company is not aware of any new information or data that materially affects the information included in the relevant market announcements.

### **COMPETENT PERSON STATEMENT — MINERAL RESOURCE ESTIMATION**

The information in this announcement that relates to Mineral Resources is based on and fairly represents information compiled by Mr Lauritz Barnes, (Consultant with Trepanier Pty Ltd), Dr Joe Drake-Brockman (Consultant with Drake-Brockman Geoinfo Pty Ltd) and Ms Gemma Lee (Principal Geologist with Bryah Resources). Mr Barnes, Dr Drake-Brockman and Ms Lee are members of the Australasian Institute of Mining and Metallurgy (AusIMM) and/or the Australian Institute of Geoscientists (AIG). All have sufficient experience of relevance to the styles of mineralisation and types of deposits under consideration, and to the activities undertaken to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Specifically, Mr Barnes is the Competent Person for the estimation, Dr Drake-Brockman is the Competent Person for the geological model and site visits and Ms Lee is the Competent Person for the geological database. Mr Barnes, Dr Drake-Brockman and Ms Lee consent to the inclusion in this announcement of the matters based on their information in the form and context in which they appear.

The Company confirms that it is not aware of any new information or data that materially affects the information included in announcements referred to and all material assumptions and technical parameters underpinning the Mineral Resource estimates within those announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not materially changed from the original announcement.



## Appendix 1

Table 1: 2012 JORC Manganese Mineral Resources at 15% Mn Cut-off *Error! Bookmark not defined.*

Prospect	Category	Kt*	Mn %	Fe %
Area 74	Indicated	239	23.6	21.4
Brumby Creek East and Brumby Creek West		525	21.2	19.1
Horseshoe South and Horseshoe South Extended		295	20.5	23.6
Black Hill		24	29.7	20.2
<b>Total Indicated</b>		<b>1,083</b>	<b>21.7</b>	<b>20.9</b>
Brumby Creek East and Brumby Creek West	Inferred	403	20.3	21.8
Horseshoe South and Horseshoe South Extended		351	19.5	29.9
<b>Total Inferred</b>		<b>753</b>	<b>19.9</b>	<b>25.6</b>
<b>Total Mineral Resource</b>		<b>1,836</b>	<b>21.0</b>	<b>22.8</b>

\* Totals may not add up due to rounding. Kt = 1,000 Tonnes

<sup>1</sup> See ASX announcement dated 3rd March 2022 *Maiden Bryah Basin Manganese Mineral Resource*