

## Copper and Nickel Project Progress

*AVL's Feasibility Study and \$49M Australian Government grant to propel Bryah's critical metal recovery project at Gabanintha*

### HIGHLIGHTS

- Australian Vanadium Limited (ASX: AVL) Bankable Feasibility Study (BFS) completion<sup>1</sup> allows Bryah to rapidly progress its copper and nickel project at Gabanintha.
- Bryah holds Ni, Cu and Au rights over M51/878
- \$49M Australian Government Modern Manufacturing Initiative (MMI) grant awarded to AVL to develop the collaborative Australian Vanadium Project in Mid West WA, with Bryah for base metals extraction and ATCO for green hydrogen<sup>2</sup>.
- Base metal Resource update commenced on the Cu, Ni and Co Resource.
- Resource update based on BFS mining reserve and BFS mining schedule.
- Metallurgical and economic scoping level study for critical battery metal extraction to commence.

Bryah Resources Limited (ASX: BYH, "Bryah" or "the Company") is pleased to announce that it has commenced work with Australian Vanadium Limited (AVL) to undertake further detailed studies on the recovery of the Ni, Cu and Co from the tails stream of the Australian Vanadium Project.

As part of the \$49M Australian Government MMI grant's collaborative focus, Bryah and AVL are working together to maximise the utilisation of the mineral resources at the Project, by concentrating the Ni, Cu and Co from the waste tails stream by way of a sulphide concentrate<sup>3</sup>.

Commenting on the progress, Bryah CEO Ashley Jones said: *"With AVL's BFS now completed, Bryah can utilise the updated BFS Resource and Reserve and mine schedule to work with AVL on progressing the recovery of the additional, highly sought after battery metals, Cu, Ni and Co from the tails produced by vanadium concentrate production. AVL has done a tremendous job with a very*

<sup>1</sup> See AVL ASX announcement dated 6<sup>th</sup> April 2022 'Bankable Feasibility Study for the Australian Vanadium Project'

<sup>2</sup> See AVL ASX announcement dated 16<sup>th</sup> March 2022 'AVL Awarded \$49 Million Federal Government Manufacturing Collaboration Grant'

<sup>3</sup> See BYH ASX announcement dated 1<sup>st</sup> June 2021 '31.3 Million Tonne Nickel-Copper-Cobalt Mineral Resource at Gabanintha'



*detailed BFS and receiving support from the Australian Government through the \$49M MMI grant. The BFS engineering design of the onsite magnetic separation process has area allocated for a base metals' recovery circuit, which will now be the focus of the Bryah team. As AVL progresses towards vanadium production, Bryah's base metals project takes another step forward."*

AVL holds 4.9% of Bryah shares.

*For further information, please contact:*

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

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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 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 \$600m. 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>4</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 have a clear pathway to production, which will be significantly advanced in 2022 by the commencement and completion of metallurgical feasibility studies at both projects.

The Company's new Lake Johnston tenements are prospective for battery metals lithium and nickel and following the grant of these tenements, will undergo mapping and evaluation ahead of drilling. The corridor near Lake Johnston contains significant mines and discoveries of Ni and Li, including the Mount Holland Lithium Mine and the historical Maggie Hays/Emily Ann nickel deposits.

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<sup>4</sup> See ASX announcement dated 1<sup>st</sup> June 2021 '31.3 MT Ni-Cu-Co Mineral Resource at Gabanintha

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.

### **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 report that relates to Exploration Results and Exploration Targets is based on and fairly represents information and supporting documentation prepared by Tony Standish. Mr Standish is a member of the Australasian Institute of Mining and Metallurgy and has 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.

### **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) and Mr Brian Davis (Consultant with Geologica Pty Ltd and Director of Bryah Resources Ltd). Mr Barnes and Mr Davis are both members of the Australasian Institute of Mining and Metallurgy (AusIMM) and the Australian Institute of Geoscientists (AIG). Both 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 and Mr Davis is the Competent Person for the database, geological model and site visits. Mr Barnes and Mr Davis 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 that announcement and all material assumptions and technical parameters underpinning the Mineral Resource estimate with that announcement 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.

**Table 1: Base Metals JORC 2012 Mineral Resource Inventory at the Australian Vanadium Project<sup>5</sup>**

2021 Base Metals Resource Area	Classification	Tonnes (Million)	Ni ppm	Cu ppm	Co ppm	S %
In Pit North	Indicated	9.3	723	205	214	0.21
In Pit Central	Indicated	4.5	777	193	228	0.23
In Pit South	Indicated	3.8	829	222	266	0.11
<b>Total In Pits</b>	<b>Indicated</b>	<b>17.7</b>	<b>760</b>	<b>205</b>	<b>229</b>	<b>0.19</b>
Under North Pit	Inferred	5.3	701	208	182	0.19
Under Central Pit	Inferred	3.6	769	200	234	0.25
Under South Pit	Inferred	4.7	823	235	269	0.20
<b>Total Under Pits</b>	<b>Inferred</b>	<b>13.6</b>	<b>761</b>	<b>215</b>	<b>226</b>	<b>0.21</b>
<b>Total Base Metals Resource</b>	<b>Indicated &amp; Inferred</b>	<b>31.3</b>	<b>761</b>	<b>210</b>	<b>228</b>	<b>0.20</b>

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

<sup>5</sup> Refer to ASX:BYH announcement of 1<sup>st</sup> June 2021