

"Exploring Australia for the Energy Metals needs of the Future"

INVESTOR PRESENTATION

Metals and Mining Day

September 2021



Competent Person's Statement & Disclaimer



Competent Persons Statement – Exploration Results

The information in this Presentation that relates to Exploration Results is based on information compiled by Mr Ashley Jones, Consultant with Kamili Geology Pty Ltd. Mr Jones is a member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Jones is a consultant to Bryah Resources Limited ("the Company"). Ashley Jones 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'. Ashley Jones consents to the inclusion in this Presentation of the matters based on his information in the form and context in which it appears.

Competent Person Statement — Mineral Resource Estimation

The information in this presentation that relates to Mineral Resources (see BYH ASX announcement dated 29 January 2020) is based on and fairly represents information compiled by Mr Ashley Jones, Consultant with Kamili Geology Pty Ltd. Mr Jones is a member of the Australasian Institute of Mining and Metallurgy (AusIMM)..

The information in this presentation that relates to Gabanintha Base metals Mineral Resources (see BYH ASX announcement dated 1st June 2021) 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). 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 database, geological model and site visits.

The Company confirms that it is not aware of any new information or data that materially affects the information included in this presentation and all material assumptions and technical parameters underpinning the Mineral Resource estimates 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.

Forward Looking Statements

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The presentation contains "forward-looking information" within the meaning of applicable securities legislation. Forward-looking information may include, but is not limited to, information with respect to the future financial and operating performance of the Company, its affiliates and subsidiaries, potential investments, the estimation of mineral reserves and mineral reserves and mineral reserves and timing of development of the Company's projects, costs and timing of future exploration, timing and receipt of approvals, consents and permits under applicable legislation, results of future exploration and drilling and adequacy of financial resources.

Forward-looking information is based on the reasonable assumptions, estimates, analysis and opinions of management of the Company made in light of their experience and their perception of trends, current conditions and expected developments, as well as other factors that management believes to be relevant and reasonable in the circumstances at the date that such statements are made, but which may prove to be incorrect. The Company believes that the assumptions and expectations reflected in such forward-looking information are reasonable.

Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

Corporate Snapshot



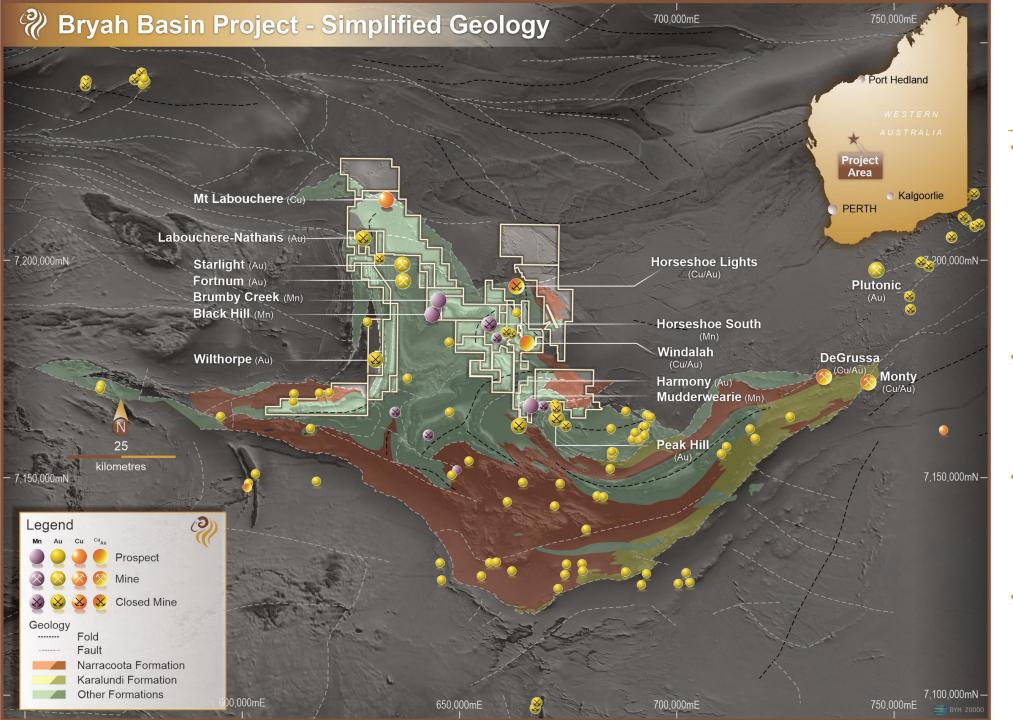
Capital Structure		
ASX Code	ВҮН	
Total Shares on Issue	224,207,175	
Options on Issue*	71,000,000	
Market Capitalisation (@ \$0.055)	\$12.3 million	
Cash Balance (as at 31st Aug 21)	\$3.3 million*	

- 7,500,000 Unlisted Options ex. price \$0.09, expiry 30 September 2022.
- 63,500,000 Listed Options (BYHOA) ex price \$0.09 expiry 31 Jan 2023.
- * excludes BBMJV funds and proceeds from sale of Tumblegum South

Active Shareholders - ~1,130		
Top 20 Holders, includes:	42.12%	
- Board and Management	7.11%	
- Australian Vanadium Ltd (ASX:AVL)	5.02%	

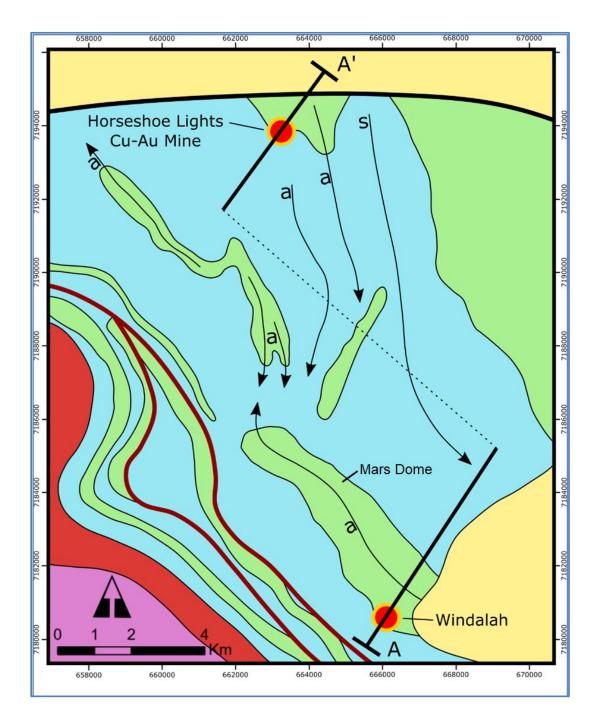








- Bryah Basin hosts world class
 Volcanogenic Massive
 Sulphide (VMS) copper —
 gold deposits (DeGrussa,
 Monty and Horseshoe Lights)
 and several epigenetic gold
 mines (Fortnum, Peak Hill) as
 well as several manganese
 deposits
- Bryah Resources' landholding (1,125km²) surrounds the Horseshoe Lights copper-gold mine and the Fortnum gold mine
- Prior to the DeGrussa copper-gold discovery in 2009 the area had been largely unexplored for copper.
- VMS copper-gold deposits are not usually isolated occurrences, e.g. Monty found close to and after DeGrussa discovery.

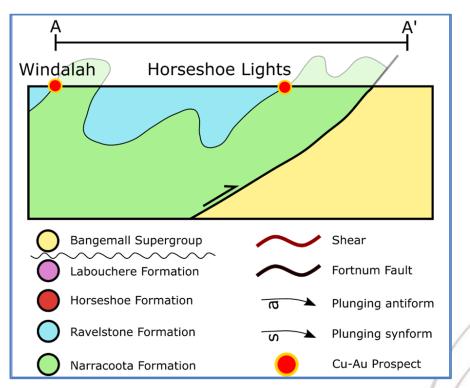


Windalah Copper-Gold Prospect



Analogous to Horseshoe Lights Copper-Gold Mine

- Same stratigraphic position as Horseshoe Lights (at the contact of the volcanic Narracoota and sedimentary Ravelstone Formations)
- Same VMS pathfinder elements identified at both locations
- Copper mineralisation at Horseshoe Lights was at depth (>100m)
 with gold resource above it. Shallow drilling to date at Windalah
 has been recording gold and minor copper.







Manganese Market Overview

- Manganese (Mn) is the fourth most utilised metal globally.
- Manganese is a critical and irreplaceable element in steel production and is mainly used to increase both the strength and flexibility of steel



- Approximately 90% of all manganese is used in the production of steel
- Recent manganese ore pricing:
 - 44% Mn CIF China Jun 2021 price -~US\$5.30/dmtu (US\$233/t = ~A\$310/t)

Source: Fastmarkets MB

- Manganese also becoming a critical metal for use in EV batteries – seen as a cost effective way of reducing the overall price of EVs without drop in performance
- It is the cheapest, most abundant of the NMC cathode materials (Nickel, Manganese, Cobalt)

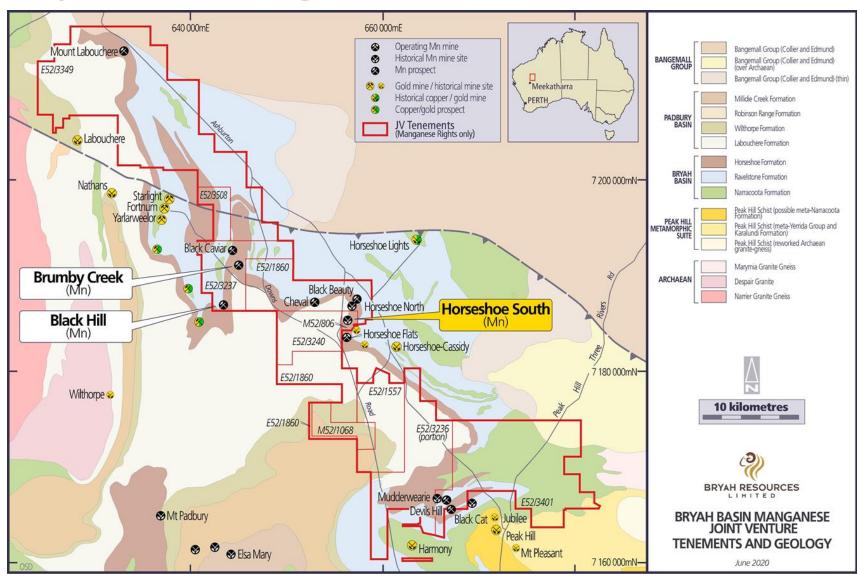
Manganese – Battery Metal Outlook



High Purity Manganese Sulphate is one of the manganese products used in the manufacture of batteries and is forecast to skyrocket in the coming decade

- NMC cathode makers require Nickel, Manganese and Cobalt in the form of sulphates (crystals or liquid solution), not in the metallic form. Manganese Sulphate Monohydrate (MSM), is the crystalline form of the sulphate.
- High Purity MSM is mostly used in the lithium-ion battery industry.
- Global production of HP MSM in 2020 was 198,500 mt (almost exclusively out of China)
- Demand for HP MSM is expected by Benchmark Minerals to be close to 1.1 million mt by 2030 whilst other forecasts exceed this amount
- To meet this rising demand for HP MSM, several future projects have been announced in China (+550,000 mt per year) and in the rest of the world (+309,000 mt per year), but many of these projects still need to be financed.
- If all these projects come online, total capacity would exceed 1.2 million mt per year.
- HP MSM production benefits from using high-grade manganese ore feedstock

Bryah Basin Manganese Joint Venture





- Manganese occurs within the Horseshoe Formation over 70 line km covered by JV tenements
- In 2019 Bryah acquired the historic Horseshoe South Mine, the largest Manganese mine in the region
- Exploration focus to date has mainly centred on 3 areas (Horseshoe South Mine, Brumby Creek and Black Hill)
- OM Holding Ltd (ASX:OMH) are funding exploration to earn a 51% JV interest in 2021.
- JV currently 60% BYH/40% OMH

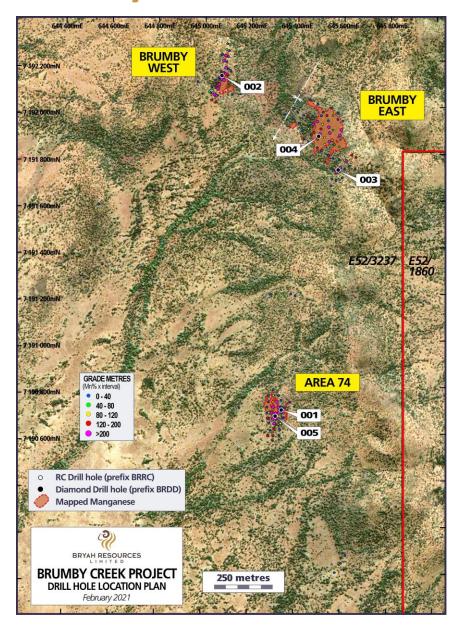
Horseshoe South Manganese Mine

- Largest historical Manganese Mine in Bryah Basin.
- Past production 1948 to 1969: approximately 490,000 tonnes of high-grade ore at 42% Mn
 - 2008 to 2011: Minerals Resources Ltd (ASX:MIN) produced over 400,000 tonnes of ore using Dense Media Separation to produce saleable Mn ore
- Recent drilling intersected significant manganese mineralisation adjacent to or beneath existing open pits
- Granted Mining Lease means short approvals process for the restart of mining operations





Brumby Creek



First ever drilling at Brumby Creek has yielded consistent results over a wide area





- Drilling to date has tested 3 main areas with sufficient drilling to establish maiden mineral resource estimates at Brumby West, Brumby East and Area 74
- Mineralisation is shallow in depth (<40m depth) and in some cases without any surface outcrop/staining
- Significant potential for additional discoveries under cover



Bryah Basin - Manganese Development Strategy

Stage 1 - Focus on Exploration

- ✓ Drilling to collect some core for metallurgical testwork
- ✓ Geophysical Survey Gradient Array IP over Brumby Creek Area
- ✓ Drilling testing new target areas from GAIP survey
- ✓ Drilling infill areas with mineral resources to increase certainty
- Preliminary Metallurgical testwork
- Complete Mineral Resource estimates and exploration targets

Stage 2 – Preparing for Mining

- Drilling for metallurgical testwork samples and to increase mineral resources
- Update Mineral Resource estimates
- Advanced Metallurgical testwork
- Feasibility Study process design and costings
- Update environmental studies
- Commence approvals process for mining





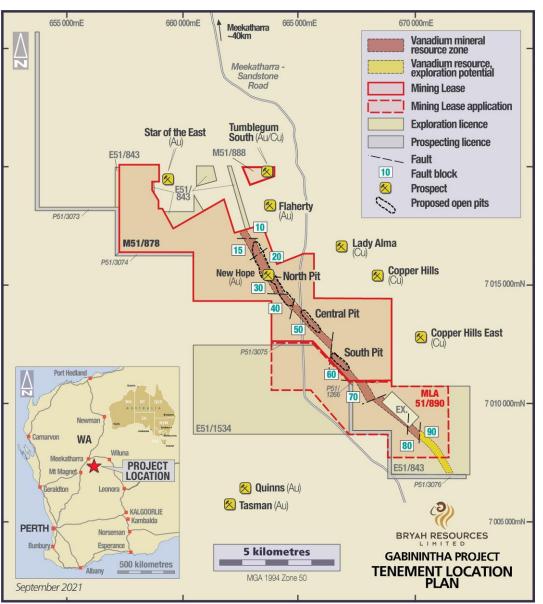


Tumblegum South Gold Deposit

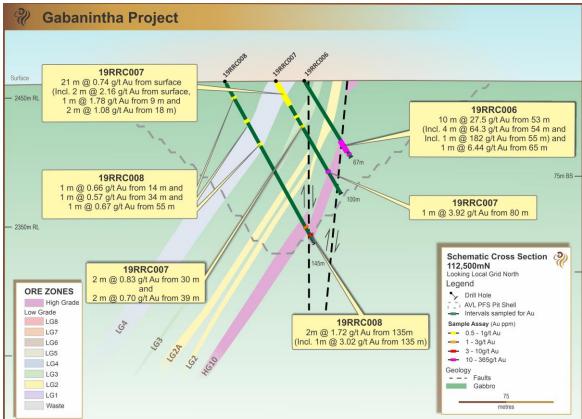


- Located along strike from historic Gabanintha Gold mine on newly granted Mining Lease (71 ha size)
- January 2020 Inferred Mineral Resource announced:
 - > 500,000t @ 2.6g/t Au for 41,700 oz Au (1.0 g/t cut)
- December 2020 Development Agreement with Kirkalocka Gold Mine signed in – potentially leading to Profit Share or Ore Sale Agreement in H2 2021
- March 2021 Tenement Transfer Agreement signed with Star Minerals Limited (new IPO). Consideration:
 - > \$500,000 cash
 - 9M Shares in Star Minerals (value \$1.8M)
 - 7M Performance Rights which will convert to 7M Shares in Star Minerals upon Measured Mineral Resource and gold production milestones
 - Sale is subject to Star Minerals raising \$5M cash and listing on ASX by 31 January 2022
 - Bryah will retain 21-31% equity in Star Minerals

Vanadium Deposit - includes Nickel, Copper and Gold Potential



- Metallurgical testwork shows the presence of nickel, copper and gold in the non-magnetic tail of the vanadium-magnetite concentrate of AVL's
- Australian Vanadium project
- 2021 sampling at the New Hope prospect recorded significant gold values:
 - > 19RRC006 **10 metres @ 27.5 g/t Au** from 53m
- Gold occurs in several cross-cutting fault zones within the vanadiumtitanium-magnetite (VTM) deposit
- 1,000 metre RC drilling program being planned to target shallow gold





VALUE PROPOSITION

- Cashed up +\$3 Million to fund exploration
- Quality exploration targets potential for the next high-grade copper-gold discovery in the Bryah Basin
- Manganese JV Interest early pathway to significant production and cashflow with guaranteed Offtake partner.
- Tumblegum South sale will generate immediate cash and substantial equity stake in near-term gold producer/explorer
- Gabanintha Project evolving Nickel, Copper and Gold play

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