NOVEMBER 2022

INVESTOR PRESENTATION

Exploring Australia for the Energy Metals of the Future

BRYAH RESOURCES LIMITED



ASX:BYH

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, an employee of Bryah Resources Limited ("the Company"). Mr Jones is a member of the Australasian Institute of Mining and Metallurgy (AusIMM). 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 announcement that relates to Manganese 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 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.

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The Company confirms that it is not aware of any new information or data that materially affects the information 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

This presentation is for information purposes only. Neither this document nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction. This Presentation may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in such jurisdiction. Recipients should inform themselves of the restrictions that apply in their own jurisdiction. A failure to do so may result in a violation of securities laws in such jurisdiction. This document does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this representation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments. No responsibility for any errors or omissions from this document arising out of negligence or otherwise is accepted.

The presentation contains "forward-looking information" within the meaning of applicable securities legislation. Forward-looking 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 resource estimates, costs 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 of the Company 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	BYH			
Total Shares on Issue	281,253,474			
Options on Issue*	66,500,000			
Market Capitalisation (@ \$0.026)	~\$7.3 million			
Cash Balance (as at 30 th September 22)	\$1.2 million			
 2,000,000 Unlisted Options – ex. price \$0.054, expiry 12 Aug 2025. 64,500,000 Listed Options (BYHOA) – ex price \$0.09 expiry 31 Jan 2023. 				
Active Shareholders - ~1,150				

Top 20 Holders, includes:	50.4%
- Board and Management	3.7%
- Australian Vanadium Ltd (ASX: AVL)	4.9%





OUR PROJECTS

"OUR PROJECTS ARE QUALITY EXPLORATION ASSETS IN WESTERN AUSTRALIA, A TIER 1 EXPLORATION JURISDICTION"





BOARD AND MANAGEMENT



Ian Stuart

Non-Executive Chair

Mr Stuart is a geologist by profession with experience in both the finance and mining industries. He holds an Honours degree in Geology, is a Fellow of the Financial Services Institute of Australasia and a member of the Australian Institute of Company Directors. Ian has extensive experience in capital markets and is conversant with public company governance and management across international jurisdictions.

Mr Stuart is a Non-Executive Director of ASXlisted Star Minerals Ltd.



Leslie Ingraham Non-Executive Director

Mr Ingraham has over 30 years of experience in business. He has performed the roles of Executive Director and Non-executive Director for ASX listed companies. He has extensive experience in capital raising and mineral prospecting and exploration. Core competencies are also in corporate advisory, investor relations and building long lasting relationships with high end investors in Australia and overseas.

Mr Ingraham is currently Executive Director of ASX-listed Australian Vanadium Ltd.



Brian Davis

Non-Executive Director Mr Davis is a 50-year veteran of the resources industry and has been principal of exploration and resource development consultancy group Geologica Pty Ltd for the past 20 years. During his extensive career he has worked in exploration and mining for small and large resource companies, focused on commodities including gold, base metals, vanadium, uranium, iron ore, coal and rare earths, both in Australia and overseas.

Mr Davis is also a Board member for not-for-profit organisation WA Lions Drug Education Foundation (WALDEF) which is committed to drug and alcohol education and abuse prevention programs.





Ashley Jones CEO

Mr Jones has been responsible for the technical direction of Bryah Resources Limited since 2019.

A geologist with over 20 years of experience in exploration, mine geology and management in Australia and Africa, Mr Jones brings significant project development expertise in feasibility level projects with a particular focus on resources and mine development, including manganese, gold and uranium.

Mr Jones is a Non-Executive Director of ASX-listed Star Minerals Ltd.

PROJECTS WITH PRODUCTION POTENTIAL



Manganese Resource 1.8 Mt @21% Mn with potential to grow - 49% JV with OMM, subsidiary of manganese producer OM Holdings



Copper, **Nickel** and **Cobalt** Resource in tails of the AVL vanadium project. 36.0 Million Tonnes at 766 ppm Ni, 212ppm Cu and 231 ppm Co



20% holding in Star Minerals - aggressive development of the Tumblegum South **Gold** Resource – performance shares vest on Measured Resource and mining commencement



PROJECTS WITH EXPLORATION POTENTIAL

Bryah Basin East – Copper and Gold

Windalah VMS exploration - ready to drill

Olympus – ready to drill

Area surrounded by JVs with Sandfire Resources

Bryah Basin West – Copper, Gold, Uranium, REEs

Near to Fortnum Gold mine and Auris Minerals' Wodger and Forrest Copper projects

Gabanintha

Copper, Nickel and Gold exploration

Lake Johnston

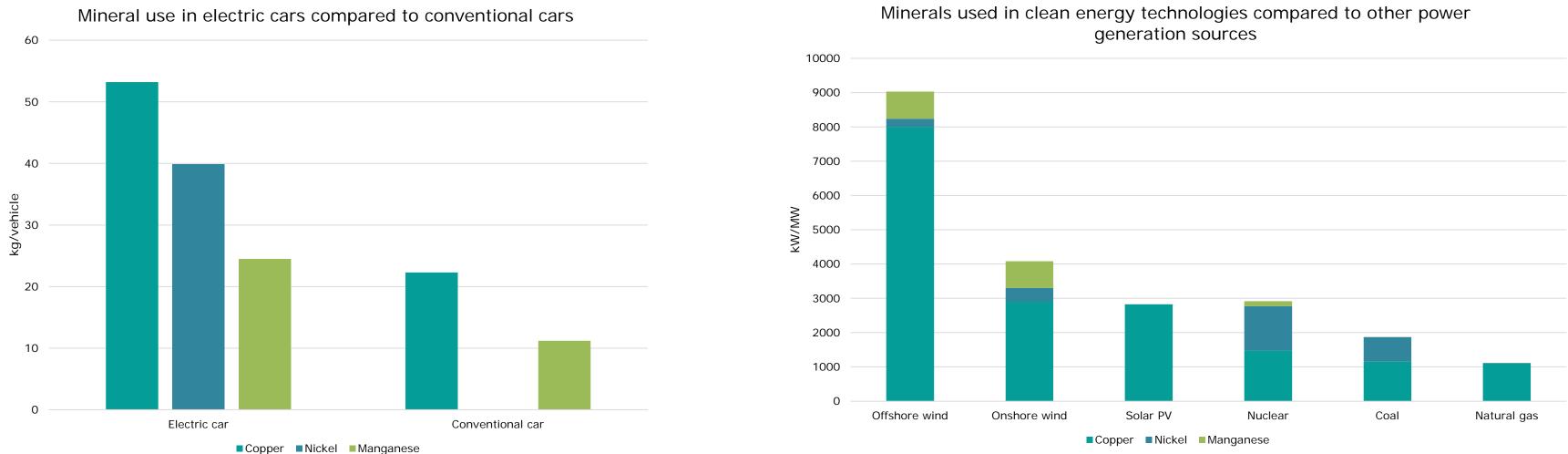
Lithium, Nickel exposure – Option Agreement signed



ü The right address
ü Near to known deposits
ü Similar stratigraphic location
ü VMS anomalism discovered
ü 1,125km² in the Bryah Basin

MARKETS

Manganese, Copper and Nickel have a significant role to play in both the electric vehicle and renewable energy markets



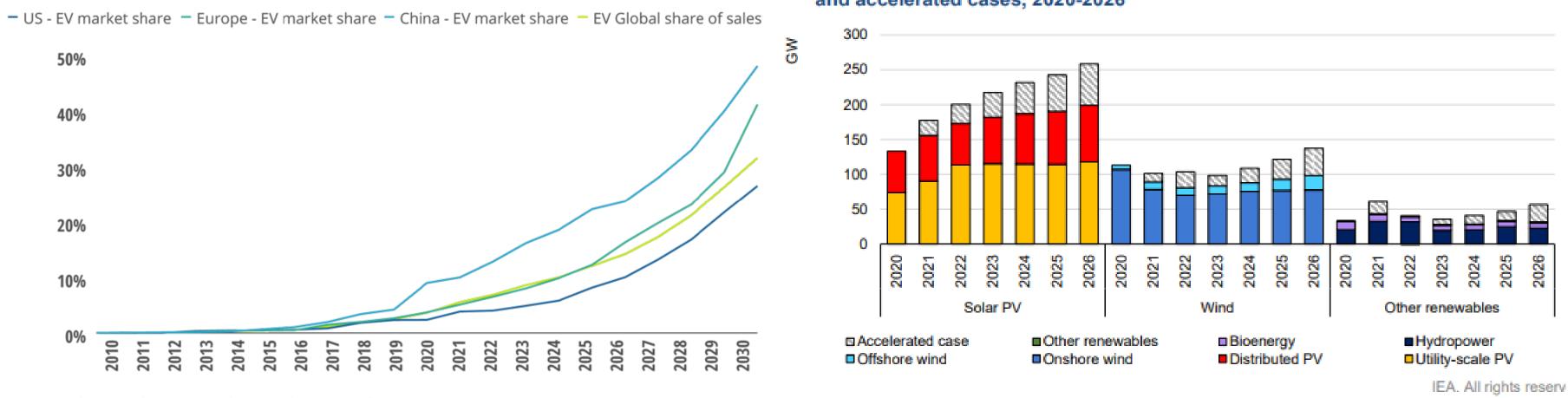
Data sourced from IEA report 'The Role of Critical Minerals in Clean Energy Transitions' dated May 2021





MARKET GROWTH

Outlook for EV market share by major region



Source: Deloitte analysis, IHS Markit, EV-Volumes.com¹⁷

Deloitte Insights | deloitte.com/insights





Annual capacity additions of solar PV, wind and other renewables, main and accelerated cases, 2020-2026



BRYAH BASIN MANGANESE

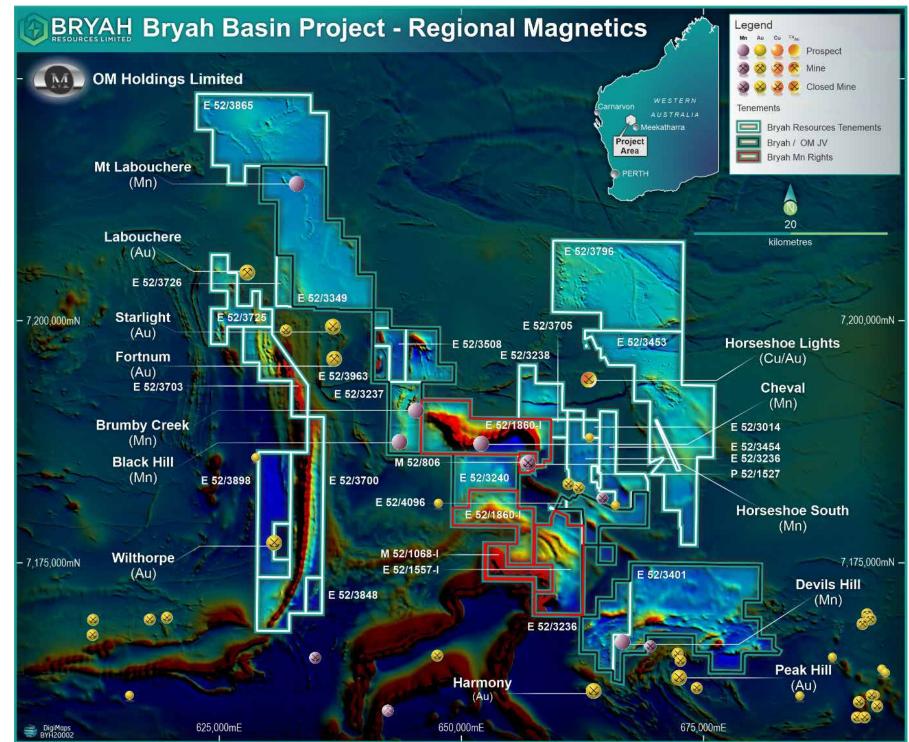
THE COMPANY HAS AN OPPORTUNITY TO DEVELOP LOW-COST MANGANESE MINING OPERATIONS IN THE BRYAH BASIN. BRYAH HAS MADE NEW DISCOVERIES AND ATTRACTED A QUALITY GLOBAL MANGANESE BUSINESS JOINT VENTURE PARTNER.

Manganese is considered a critical mineral for its use in steel and batteries



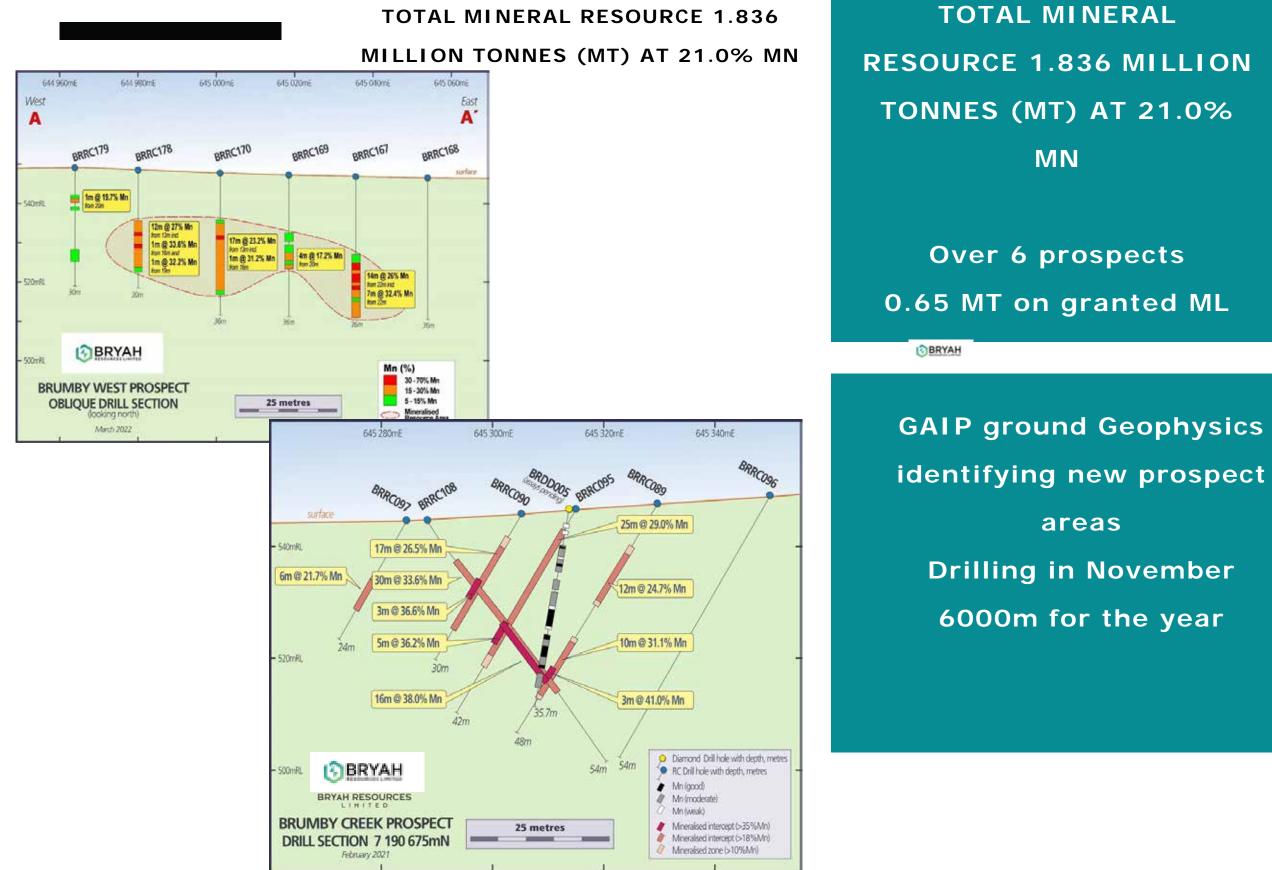
BRYAH BASIN MANGANESE JOINT VENTURE

- 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 centered on three areas (Horseshoe South Mine, Brumby Creek and Black Hill)
- JV currently split 49% BYH and 51% OMH





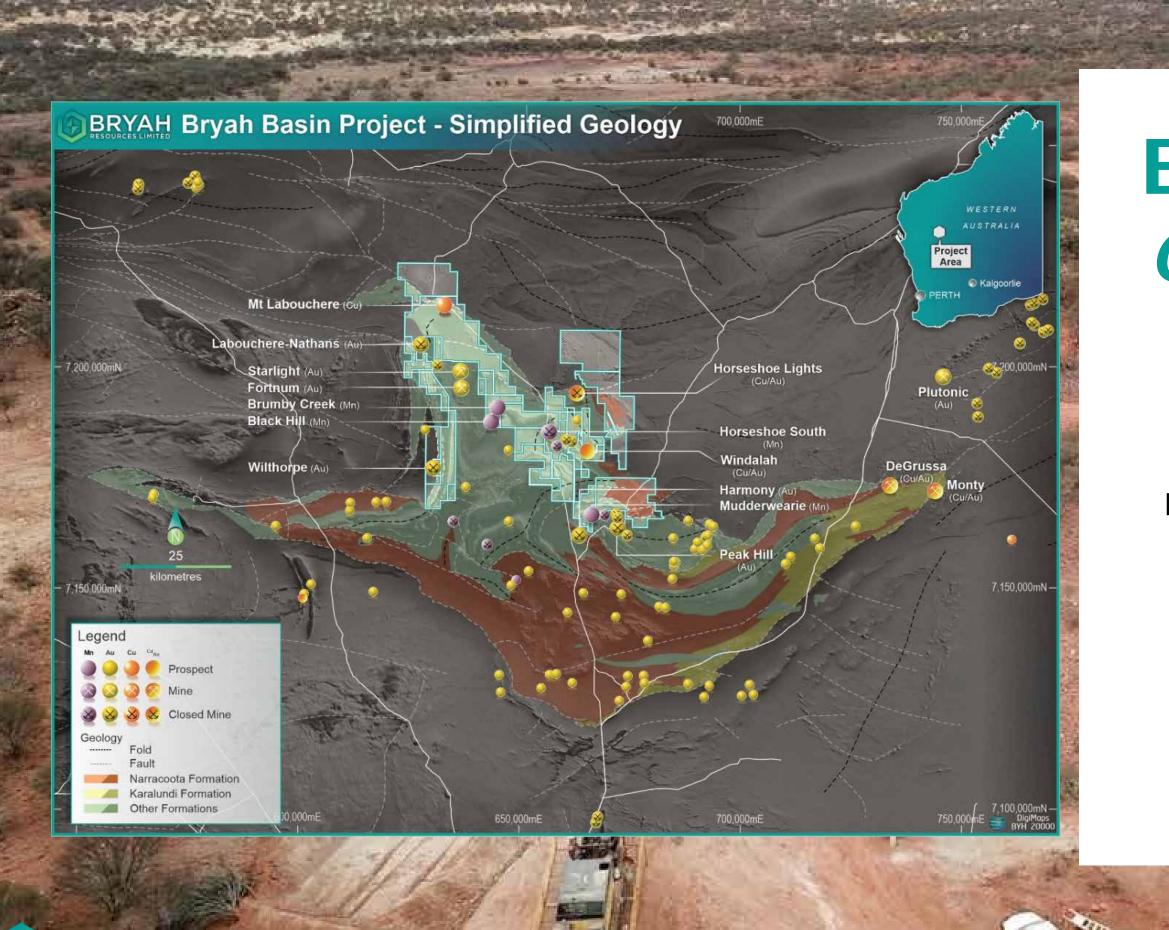
MANGANESE MINERAL RESOURCE



JV partner Funding **Exploration – Currently** 49% BYH

Targeting 3-5 million Tonnes in resource to get the scale to recommence production





BRYAH

1 Charles

BRYAH BASIN COPPER-GOLD PROSPECT

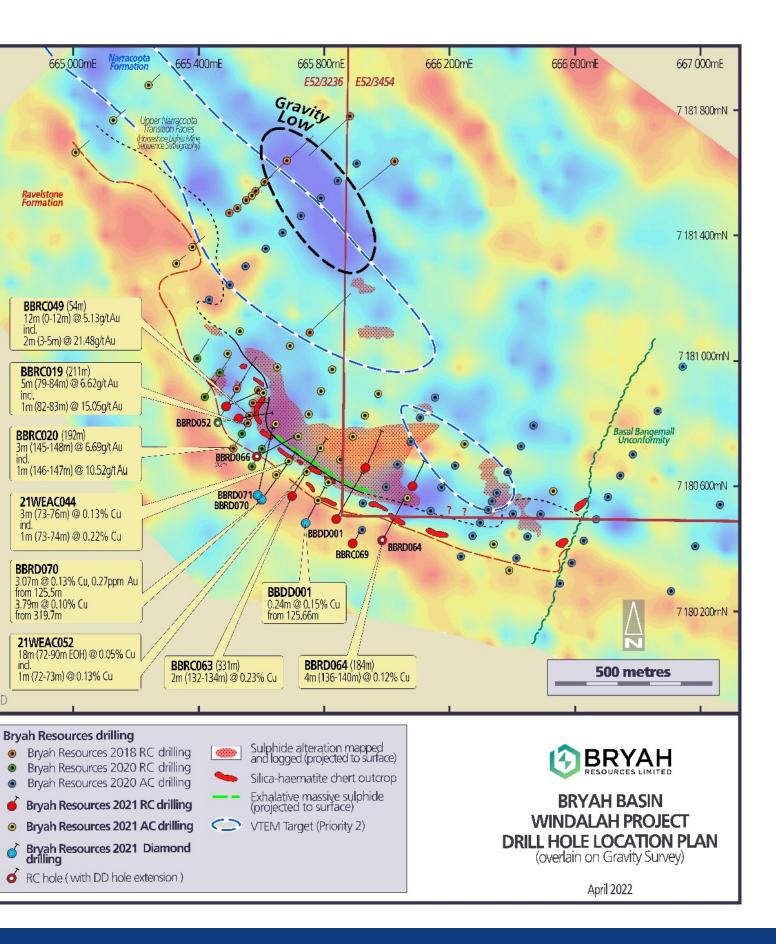
BRYAH'S DISCOVERY OF A VMS COPPER-GOLD TARGET AT WINDALAH IN THE BRYAH BASIN CONFIRMS POTENTIAL FOR A NEW COPPER-GOLD DISCOVERY ON THIS HIGHLY PROSPECTIVE LAND PACKAGE.

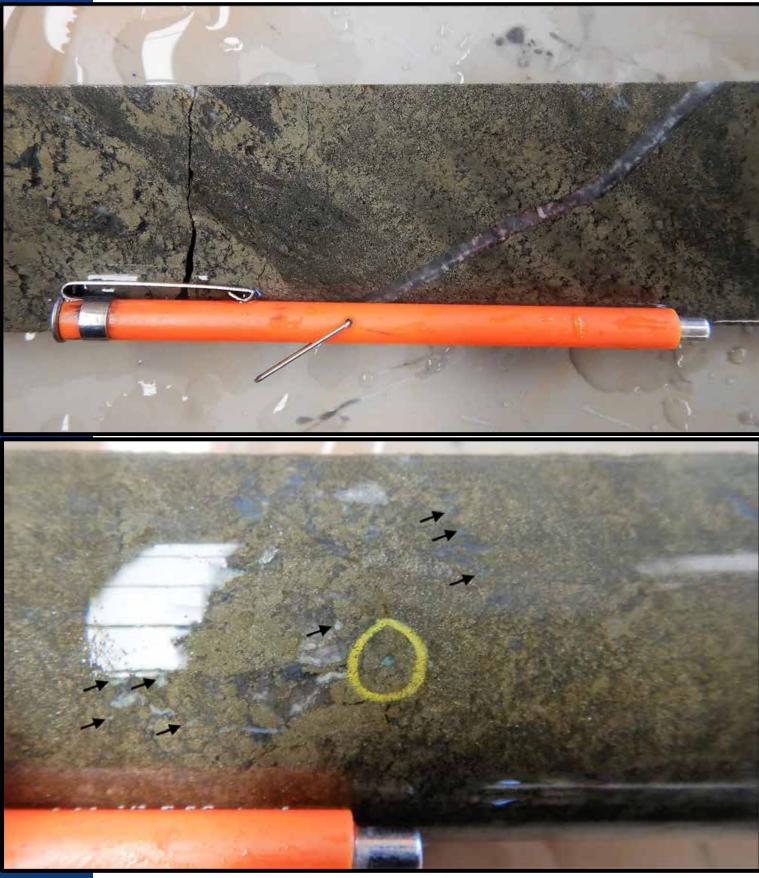
WINDALAH PROSPECT

EMERGING VMS COPPER-GOLD TARGET

- Geology displays textbook high sulphidation VMS geological features and textures, confirming a syngenetic hydrothermal volcanogenic massive sulphide (VMS) system.
- Broad sulphide-rich zone with copper mineralisation and VMS pathfinder element enrichment intersected. Large intersections of significantly sulphide enriched rocks include:
 - **146m** @ ~15.7 weight percentages (wt%) sulphide stringer zone from 182m in BBDD0011 (includes 3.12m massive sulphide zone)
 - 89m @ ~19.4 wt% sulphide stringer zone from 176m in BBRD0701 (includes 5.95m massive sulphide zone)
- Supergene upgrade and visual identification of copper minerals including Bornite, Chalcopyrite and Malachite. Best assays include:
 - + 3.07m @ 0.13% Cu and 0.27ppm Au from 125.5m in hole BBRD070
 - 3.79m @ 0.1% Cu from 319.7m in hole BBRD070
 - 0.24m @ 0.15% Cu from 125.66m in hole BBDD001







BBRD076 pierce point @ ~542m hole depth ~460m vertical depth

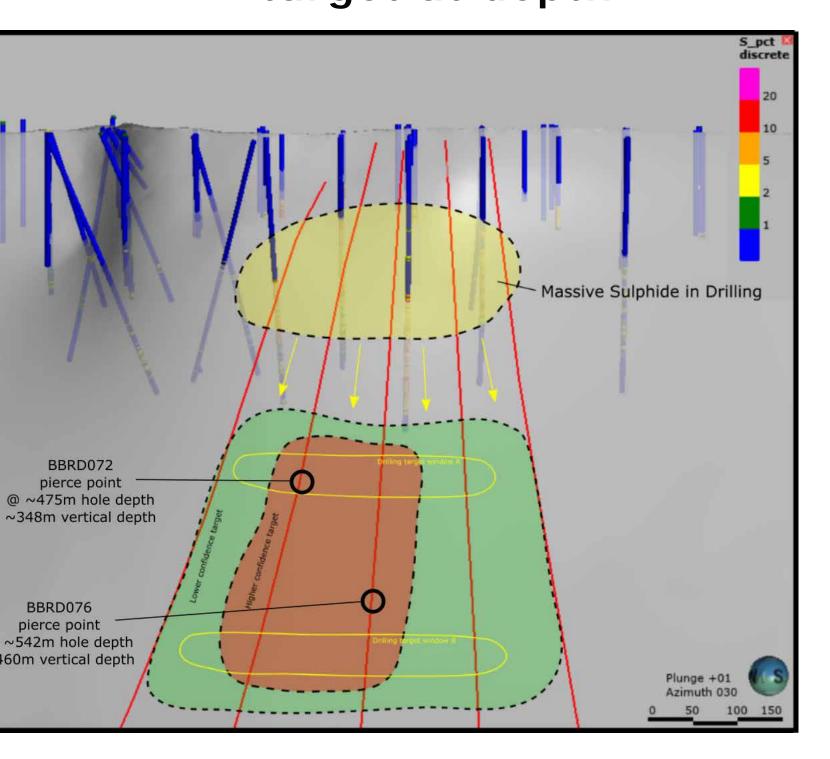
BBRD072

The next steps for the Windalah copper-gold project are:

- Geological interpretation •
- Geochemical assays •
- Downhole Electromagnetic Surveys (DHEM) •



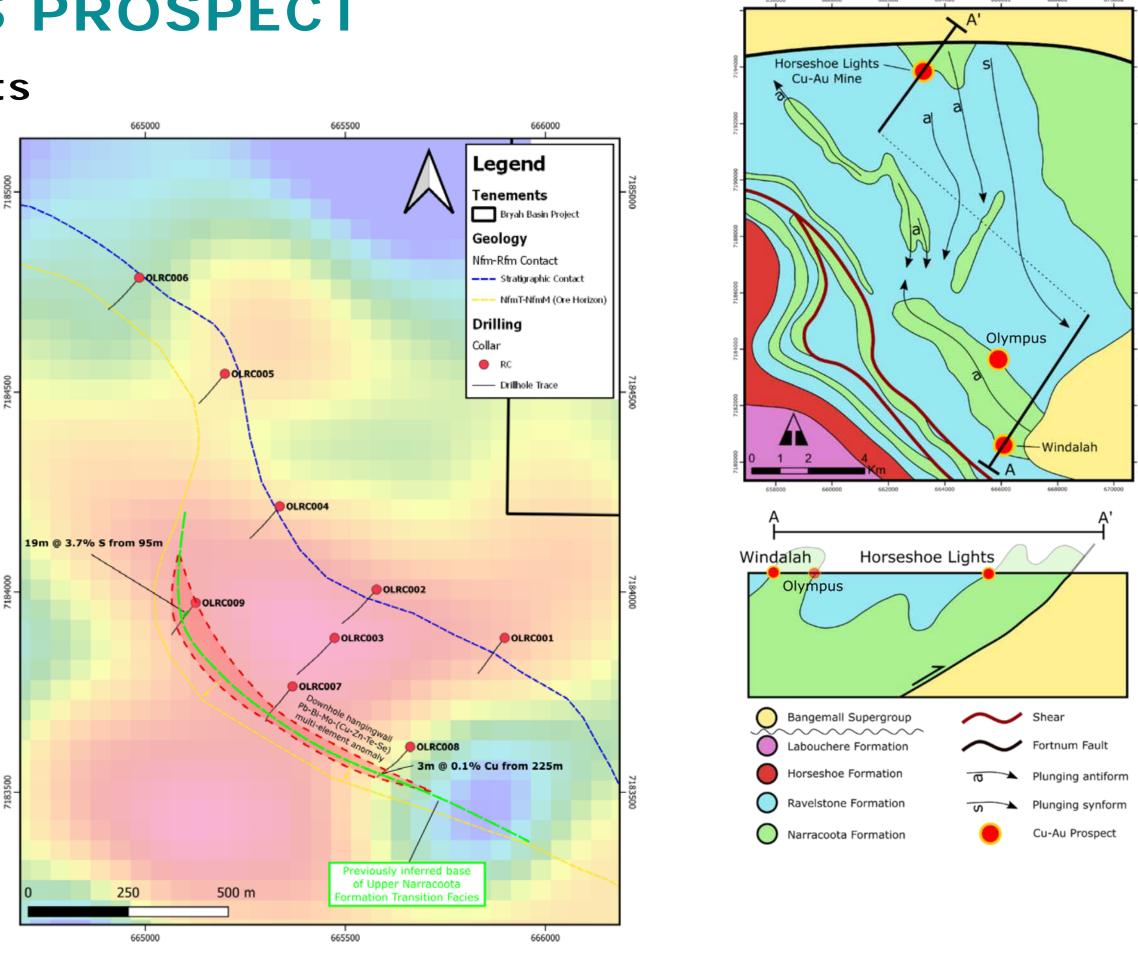
WINDALAH PROSPECT Diamond Drilling to test target at depth



OLYMPUS PROSPECT

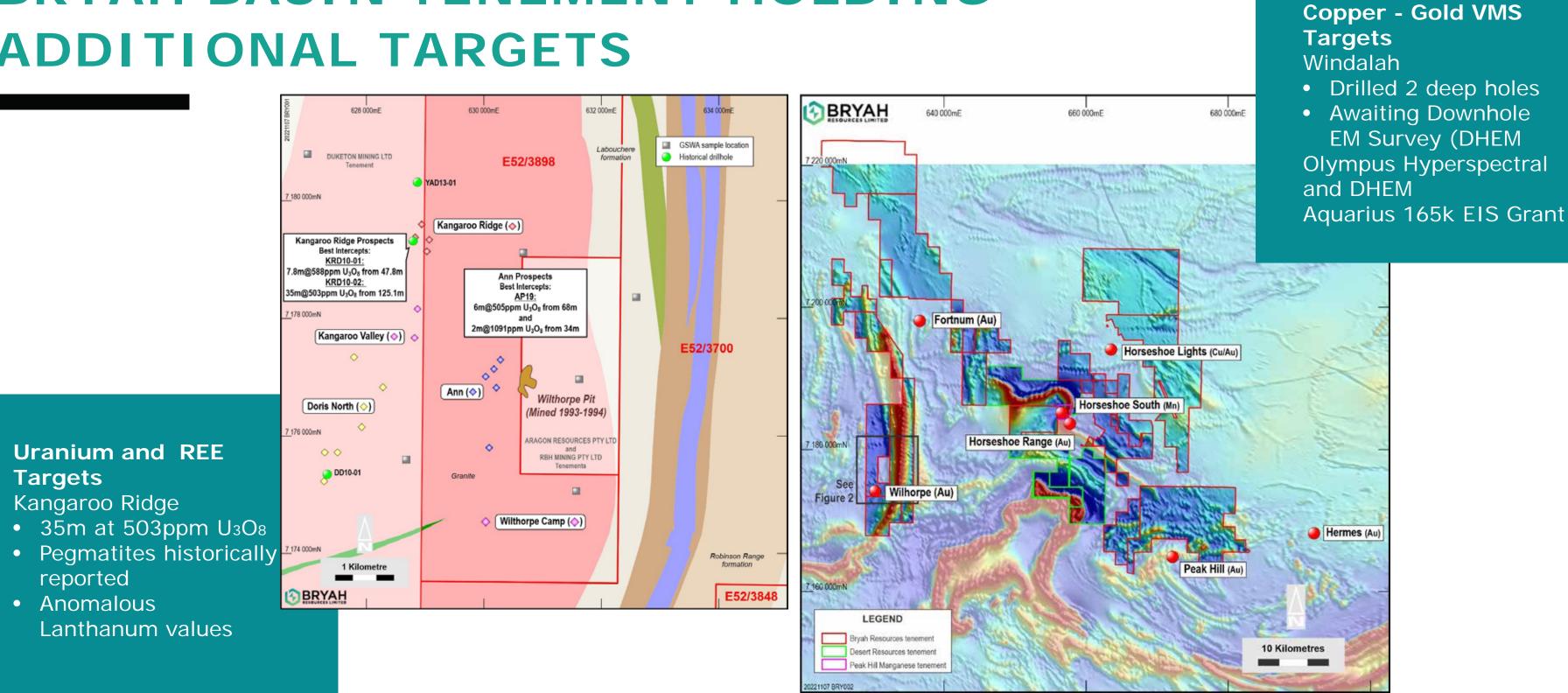
Cu targets

- 4km north of Windalah
- EIS funded to \$130K
- Completed 9 holes for 2148m
- Similar anomalous elements
- Higher Bi, Te and Se may indicate it's closer to hotter fluids
- Identification of a spatially coherent Pb-Bi-Mo-(Cu-Zn-Te-Se) anomaly approaching the hanging wall contact to mineralised stratigraphic horizon. RC Chips to Hyperspectral analysis
- Downhole EM Survey





BRYAH BASIN TENEMENT HOLDING ADDITIONAL TARGETS







GABANINTHA **COPPER NICKEL GOLD PROJECT**

Australian Vanadium Limited retains 100% rights to Vanadium, Uranium, Cobalt, Chromium, Titanium, Manganese and Iron Ore

BRYAH HOLDS 100% RIGHTS TO COPPER NICKEL AND GOLD

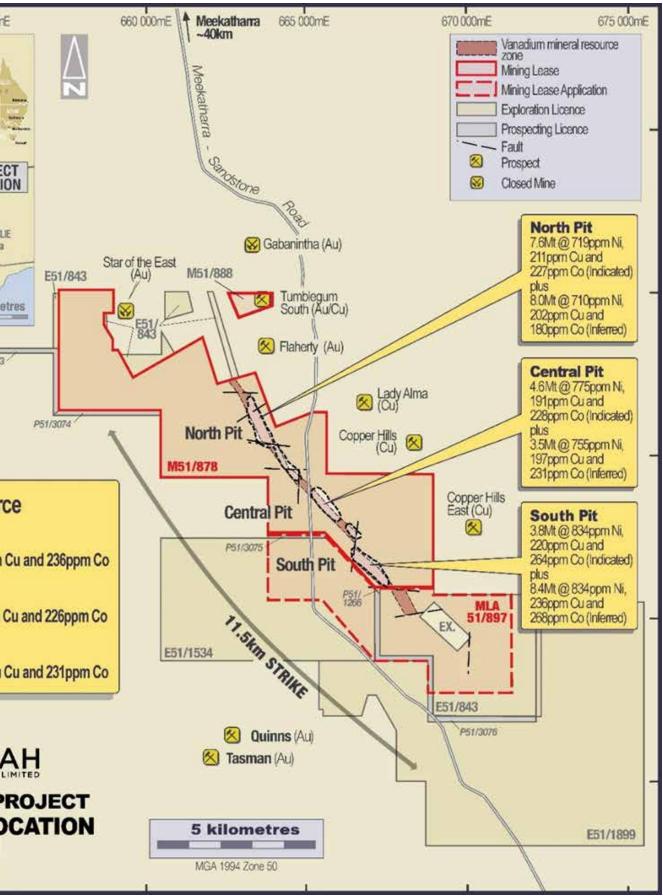
VANADIUM DEPOSIT -INCLUDES NICKEL, COPPER AND GOLD POTENTIAL

- AVL completed BFS
- Tailing (waste) of the vanadium process contains Cu, Ni and Co
- Sulphide concentrates from flotation contained up to 6.3% base metals including up to, 2.58% Nickel, 1.70% Copper and 2.02% cobalt plus gold
- Updated Base Metals Indicated and Inferred Mineral Resource, increased to 36.0 Mt @ 762 ppm (27,527 t) Nickel, 212 ppm (7,606t) Copper and 231 ppm (8,276 t) Cobalt
- Cobalt ~\$75,000 per tonne
- Nickel ~\$26,000 per tonne
- Copper ~\$9300 per tonne



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May 2022



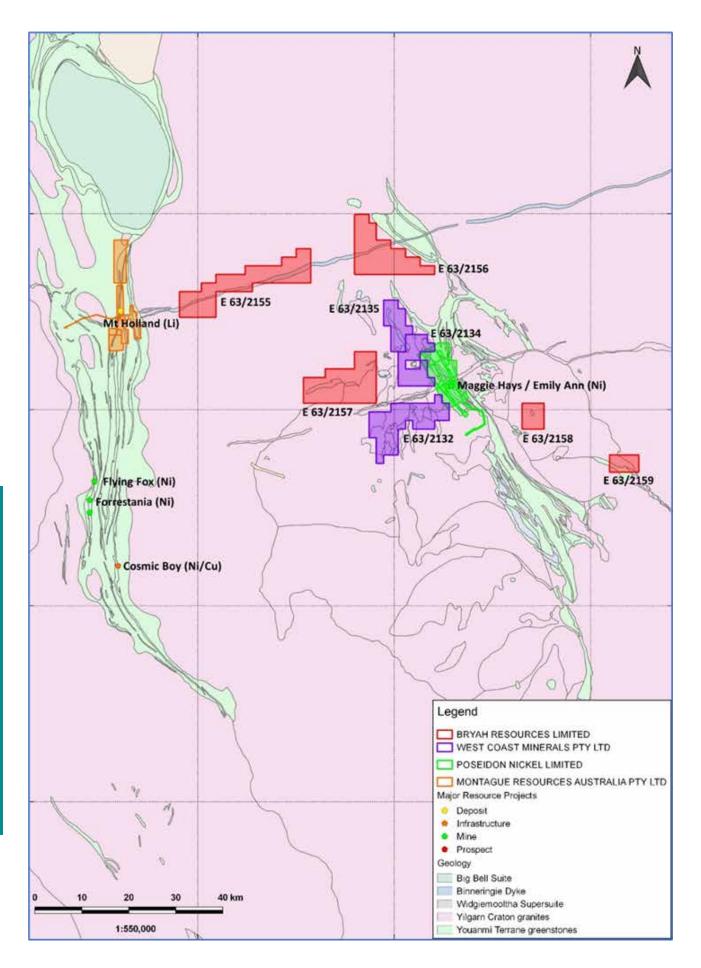
LAKE JOHNSTON LITHIUM – NICKEL PROJECT

- 690km² Lake Johnston Lithium-Nickel project with 8 granted Exploration Licence.
- Tenure close to Mount Holland Lithium Mine (ASX:WES/SQM JV) and historic Maggie Hays/Emily Ann Nickel deposits held by Poseidon Nickel Limited.

• OPTION AGREEMENT SIGNED WITH MINING GREEN METALS

- \$25,000 Cash
- 5 Million shares at 20c on IPO for 51%
- 5 Million shares for remaining 49%
- Transaction value at 20c is \$2 million





INVESTMENT IN STAR MINERALS ASX: SMS 20.75% SHAREHOLDER

- Current ASX: SMS share price 7.3c
- 9M Shares in Star Minerals
- 7M Performance Rights which will convert to 7M Shares in Star Minerals upon Measured Mineral Resource and gold production milestones
- Located along strike from historic Gabanintha Gold mine on a granted Mining Lease (71 ha size)
- January 2020 Inferred Mineral Resource announced:
 - 600,000t @ 2.6g/t Au for 41,700 oz Au (1.0 g/t cut)
- Further resource drilling complete
- New 'Star of the East' prospect drilled with shallow high-grade results





VALUE

LOCATION

- Tenements have prospective geology
- Bryah Basin well endowed with minerals; Cu, Au, U, Ree, Mn, Fe
- JORC Resource Ni, Cu with AVL
- JORC Resource Mn with OMH

TENEMENT LOCATIONS AND PROSPECTIVITY

GEOLOGICAL TEAM

BOARD

- Geologically focused board
- Deals completed to 'Lock in Value'
- Deals maintain upside for shareholders
- Discovery upside risk/reward balance

BOARD AND MANAGEMENT COMPANY VALUE ADD





TEAM

- Advanced targeting techniques
- Successful EIS grants
- Implementation bigger group
- Leverage through AVL and SMS
 associations

VALUE

- JV with OM Holdings on Manganese
- Star Minerals 20.75% with Performance rights on resource update and start of mining
- Mining Green Metals Option Agreement– Lake Johnston



Manganese JV interest – early

pathway to significant cashflow with

guaranteed offtake partner

Quality exploration targets -

potential for the next high-

grade VMS copper-gold

discovery in the Bryah Basin

Gabanintha Project -

evolving Nickel, Copper

and Gold potential



Gold resource at Tumblegum South – exposure through 20% equity in

Star Minerals



Lake Johnston Lithium and Nickel potential Option Agreement signed \$2 million transaction value at IPO of MG1



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MANGANESE MINERAL RESOURCE

TOTAL MINERAL RESOURCE 1.836 MILLION TONNES (MT) AT 21.0% MN

Category Kt* Mn % Prospect Area 74 239 23.6 Brumby Creek 21.2 525 Horseshoe 20.5 295 Indicated Black Hill 24 29.7 21.7 Total Indicated 1,083 20.3 Brumby Creek 403 Horseshoe 351 19.5 Inferred **Total Inferred** 19.9 753 **Total Mineral Resource** 1,836 21.0



2012 JORC Manganese Mineral Resources at 15% Mn Cut-off

%	Fe %
	21.4
	19.1
	23.6
	20.2
	20.9
	21.8
	29.9
	25.6
	22.8

* Totals may not add up due to

rounding

VANADIUM DEPOSIT -INCLUDES NICKEL, COPPER AND GOLD POTENTIAL

2022 Base Metals Resource Area	Classification	Million Tonnes (Mt)	Ni ppm	Cu ppm	Co ppm	S %
In Pit North	Indicated	7.6	719	211	227	0.20
In Pit Central	Indicated	4.6	775	191	228	0.23
In Pit South	Indicated	3.8	834	220	264	0.11
Total In Pits	INDICATED	16.1	762	207	236	0.19
Under North Pit	Inferred	8.0	710	202	180	0.20
Under Central Pit	Inferred	3.5	755	197	231	0.25
Under and within South Pit	Inferred	8.4	834	236	268	0.15
Total Under Pits	INFERRED	19.9	770	216	226	0.19
Total Base Metals Resource	GLOBAL	36.0	766	212	231	0.19
					1	FB15

