



MetalsGrove

Investor Presentation

July 2022

www.metalsgrove.com.au

ASX Code: MGA

Critical Metals

Exploration and Development

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This presentation contains forward looking statements concerning the projects owned by MetalsGrove. Statements concerning mining reserves and resources may also be deemed to be forward looking statements in that they involve estimates based on specific assumptions. Forward looking statements are not statements of historical fact and actual events and results may differ materially from those described in the management's beliefs, opinions and estimates should change or to reflect other future developments. Data and amounts shown in this presentation relating to capital costs, operating costs and project timelines are internally generated best estimates only. All such information and data is currently under review as part of MetalsGrove's ongoing development and feasibility studies. Accordingly, MetalsGrove cannot guarantee the accuracy and/or completeness of the figures or data included in the presentation until the feasibility studies are completed.

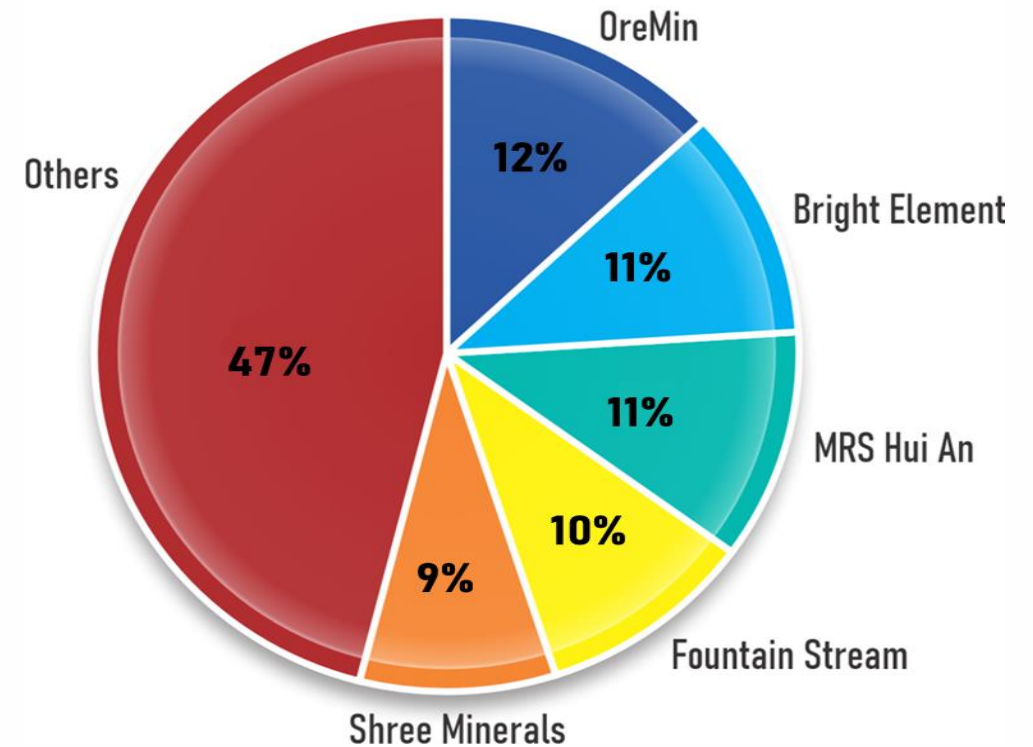
EXPLORATION RESULTS

Apart from the third party results (refer to slide 21), the information in this presentation relating to exploration results has been reported by the Company in accordance with the 2012 Edition of the 'Australasian Code for Reporting of Exploration results, Mineral Resources and Ore Reserves' (JORC Code) previously (refer to the Company's prospectus available on the Company website at www.metalsgrove.com.au). The Company is not aware of any new information or data that materially affects the information included in its prospectus and confirms that the form and context of the exploration results were reported in the prospectus has not been materially altered.

Corporate SNAPSHOT

CAPITAL STRUCTURE

Initial public offer price per share	A\$0.20
Gross proceeds of initial public offer	A\$6.40M
Total number of shares at listing	52,710,000
Market capitalisation at listing	A\$10.50M
Net cash	A\$6.30M
Implied enterprise value at listing at A\$0.20	A\$4.20M



Founder and Board Members

Mr. Richard Beazley

Non-Executive Chairman



Founder and Director of both Altair Mining Consultancy and Hydrogen Energy Pty Ltd and the Interim CEO and Managing Director for Troy Resources (ASX-TRY). Mr Beazley is an experienced mining engineer with 35 years of experience with a strong corporate, operational and technical background in the resources industry. Throughout his career he has worked on projects throughout Australia, Africa and South America.

With Altair, he has driven and delivered valued outcomes for mining clients which in turn has led to strong market growth outside the mining industry to include oil and gas, renewables, infrastructure, manufacturing and security due to his corporate and operational expertise and his extensive network across the globe.

His former roles have included the Chief Operating Officer for Sandfire Resources NL (ASX-SFR), Managing Director Peak Resources Limited (ASX-PEK), General Manager Operations at Consolidated Minerals, General Manager Southern Cross Operations at St Barbara Limited (ASX-SBM) and Manager Mining Greenbushes at Sons of Gwalia Ltd (ASX-SGW).

Mr. Sean Sivasamy

Managing Director and CEO



Mr Sivasamy is a mining professional more than 25 years of global experience. He has held Senior Management roles within large, medium and junior Mining companies in Australia, Africa, India and South East Asia.

He is the founder Director and CEO of MetalsGrove Mining Limited. He has held director roles with Tambourah Metals Ltd (ASX-TMB) and Pilgangoora Minerals. He also held senior management role with Aditya Birla Minerals (ASX-ABY) that is engaged in mining, processing & marketing copper in Australia that eventually was acquired by MetalsX Ltd. He is a director of OreMin Consultants which has been undertaking consulting engagements for many mining companies within Australia and overseas.

Mr Sivasamy is a skilled geologist. His professional contribution includes improving the efficiency of mining operations and optimising processing methods. During his working life prior to becoming an entrepreneur, he has identified a gold resource concession in Victoria which eventually had an estimated gold deposits of circa 1m ounces and discovered a copper sulphide deposit in Western Australia. He also identified 4 copper deposits in Queensland for further exploration and mining.

He holds a master's degree in Geology. He is a member of Australasian Institute of Mining and Metallurgy. He is a member of the Australia Institute of Company Directors.

Mr. Haidong Chi

Non-Executive Director



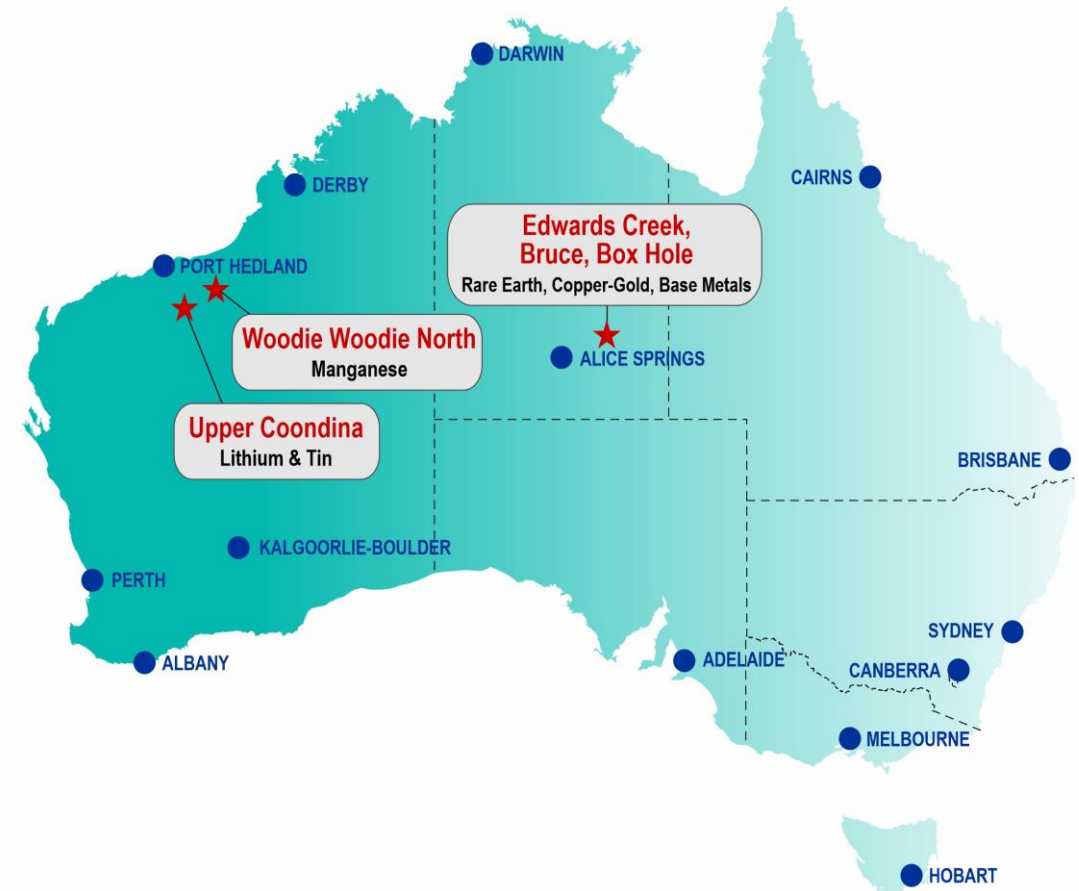
Mr Chi is a one of the very early Co-founders of Kimberley Metals Group and KMG Mining Pty Ltd. Mr Chi has been the Managing Director of the company's business operations, liaising with key relevant stakeholders, driving strategic company growth, and responsible for the overall performance of the business for more than 10 years.

Mr Chi has a proven track of executive management skills and holds extensive experience in the commodity trading markets for the past 20 years. He also holds a Master's degree in Business Administration (MBA) from Peking University, and developing managerial skills in the business sectors.

Mr Chi has strong experience in market insights, strategic advice, business operations, financial performance, investments, and ventures. He has delivered valued outcomes and maintained positive relations with business partners, shareholders, and relevant authorities. Most recently Mr Chi was a Vice President of US Capital Holdings Group, a US based private equity investment company that specialises in assisting Chinese companies gain access to international capital markets.

Investment Highlights-Critical Mineral Explorer

1. Focused on **GREEN METAL** exploration and development including **BATTERY** and **RENEWABLE ENERGY** market.
2. Advanced portfolio targeting **lithium, rare earth, copper, manganese, gold** and **base metal** resources.
3. Aggressive work programs planned for next six months at priority projects including:
 - ✓ **Upper Coondina:** lithium tin and tantalum project located in the Pilbara lithium mineral field-WA.
 - ✓ **Bruce REE Prospect:** located in the Arunta mineral field near Alice Springs-NT.



Critical Metals Portfolio Summary

LITHIUM AND TIN

Upper Coondina Project is a high-quality lithium, tin and tantalum project in highly prospective regions in Western Australia (Pilbara lithium mineral field).

Pegmatite outcrop mapped within the project area. Surface sampling has returned several highly anomalous lithium up to 256ppm (LiO₂) assays.

RARE EARTH ELEMENTS

Bruce and Box Hole are located in the Arunta project, near Alice Spring Northern Territory.

Historical pegmatite workings with geological mapping suggesting potential for pegmatite-hosted rare earth and LCT mineralisation.

COPPER-GOLD & BASE METALS

The projects of the Arunta are the Box Hole, Edwards Creek and Bruce Gold Projects.

Edwards Creek prospect CRAE (1980s) drilling intersected 4.5m @ 2.25% Cu, 0.11% Pb, 1.54% Zn, 0.14 g/t Au from 47m and 18.6m @ 0.22% Cu, 0.17% Pb, 0.49% Zn, 0.14 g/t Au from 44.3m.

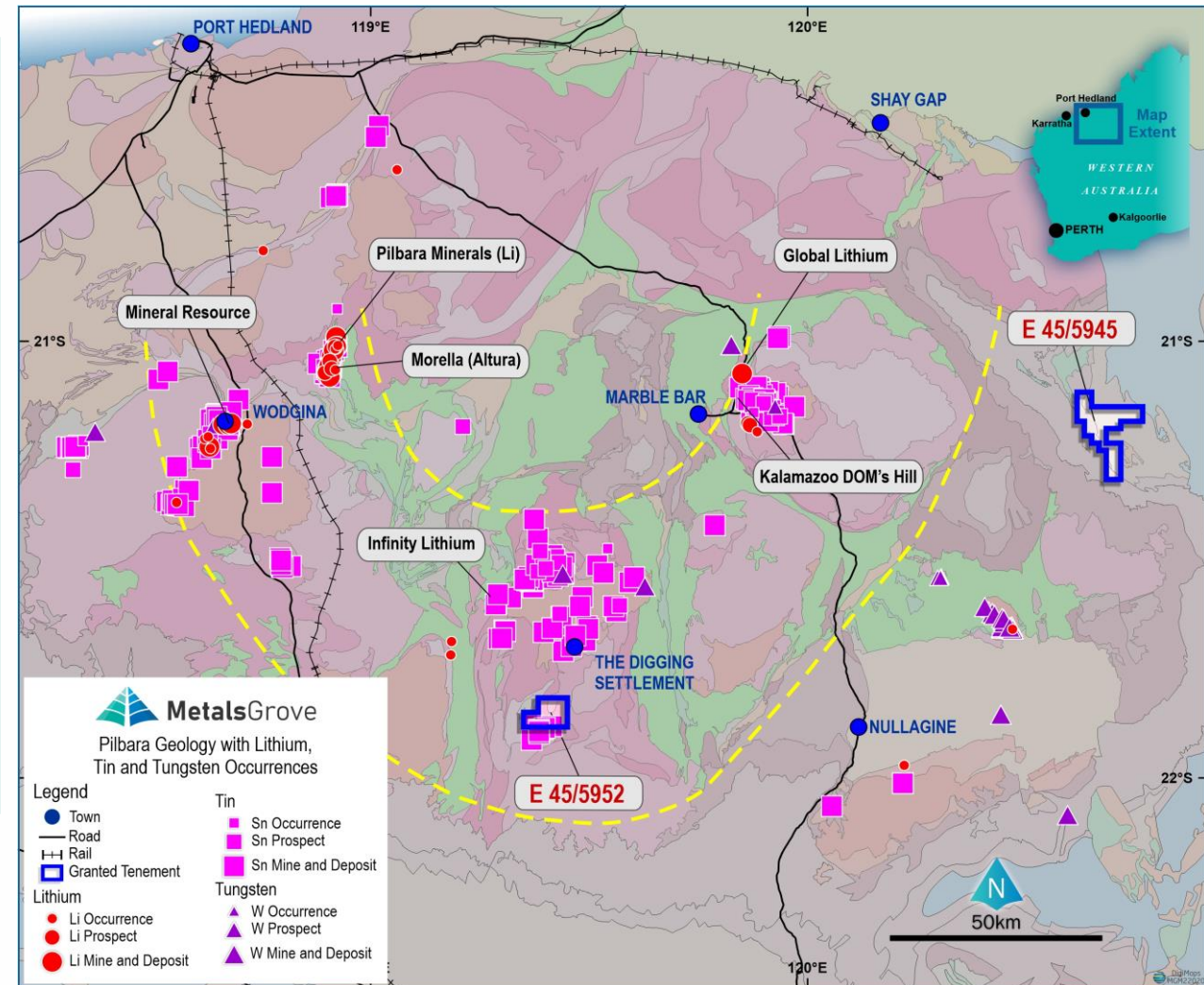
MANGANESE

Woodie Woodie North Manganese Project is located within the Tier-1 Pilbara manganese province nearby to critical infrastructure.

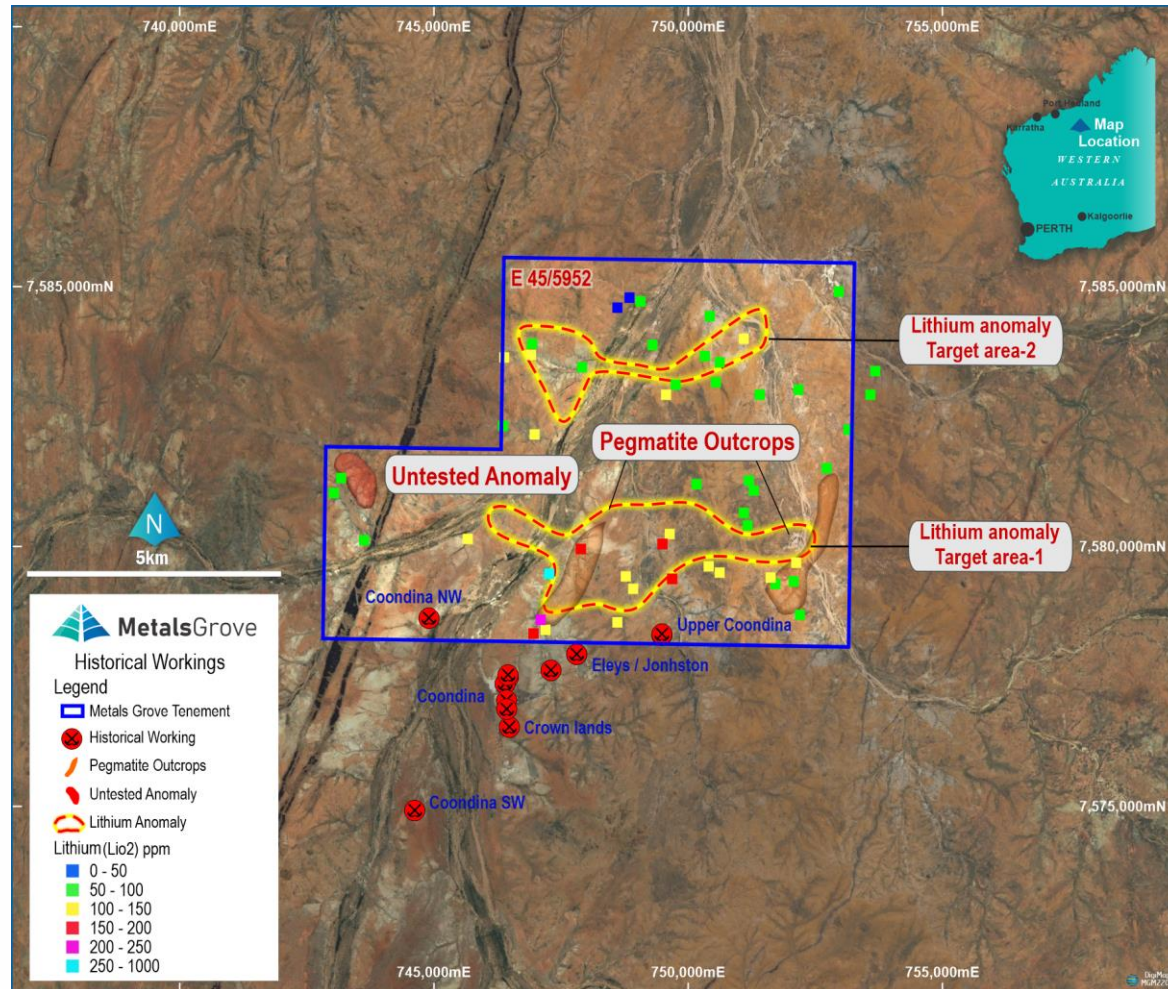
Surface sampling has returned a number of highly anomalous manganese and cobalt assays (up to 52% Mn and 540ppm Co).

Upper Coondina: Lithium, Tin and Tantalum

- **Location:** located 85 km south-west of Marble Bar in the East Pilbara district.
- **Size:** Approximately 6,365 ha (E45/5952).
- **Interest:** 100%.
- CSR identified simple pegmatite veins as the sources of the tin.
- Potential to establish economic long-term producing assets.
- Well connected to mining infrastructure.
- No serious lithium exploration has been carried out within the project area.
- Historical surface sampling at Upper Coondina has returned several highly anomalous lithium (Li) assays.



Upper Coondina: Lithium, Tin and Tantalum



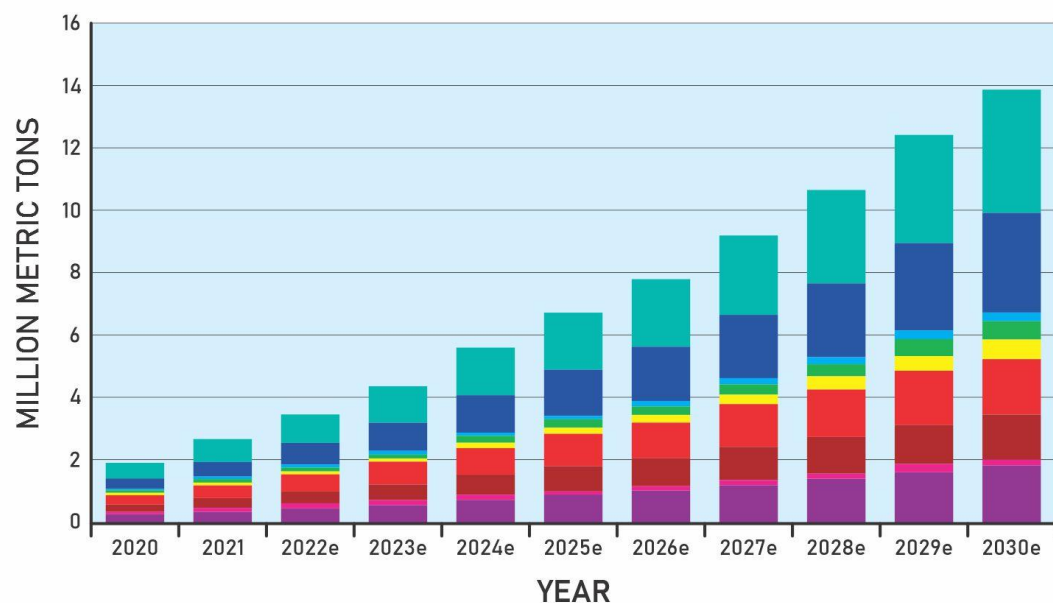
- Surface geochemistry and geophysical survey programs commencing imminently.



Critical Metals Demand Surging

Lithium is a key raw material for batteries, with price projected to rapidly increase in the coming years.

METALS DEMAND FROM LITHIUM-ION BATTERIES



2021 vs 2030

Copper	5.5x
Aluminum	5.7x
Phosphorus	6.6x
Iron	6.6x
Manganese	9.3x
Graphite	4.0x
Nickel	5.2x
Cobalt	1.5x
Lithium	5.3x

Source: BloombergNEF. Note: Metals demand occurs at mine mouth, one-year before battery demand. All metals expressed in metric tons of contained metal, except lithium, which is in lithium carbonate equivalent (LCE).

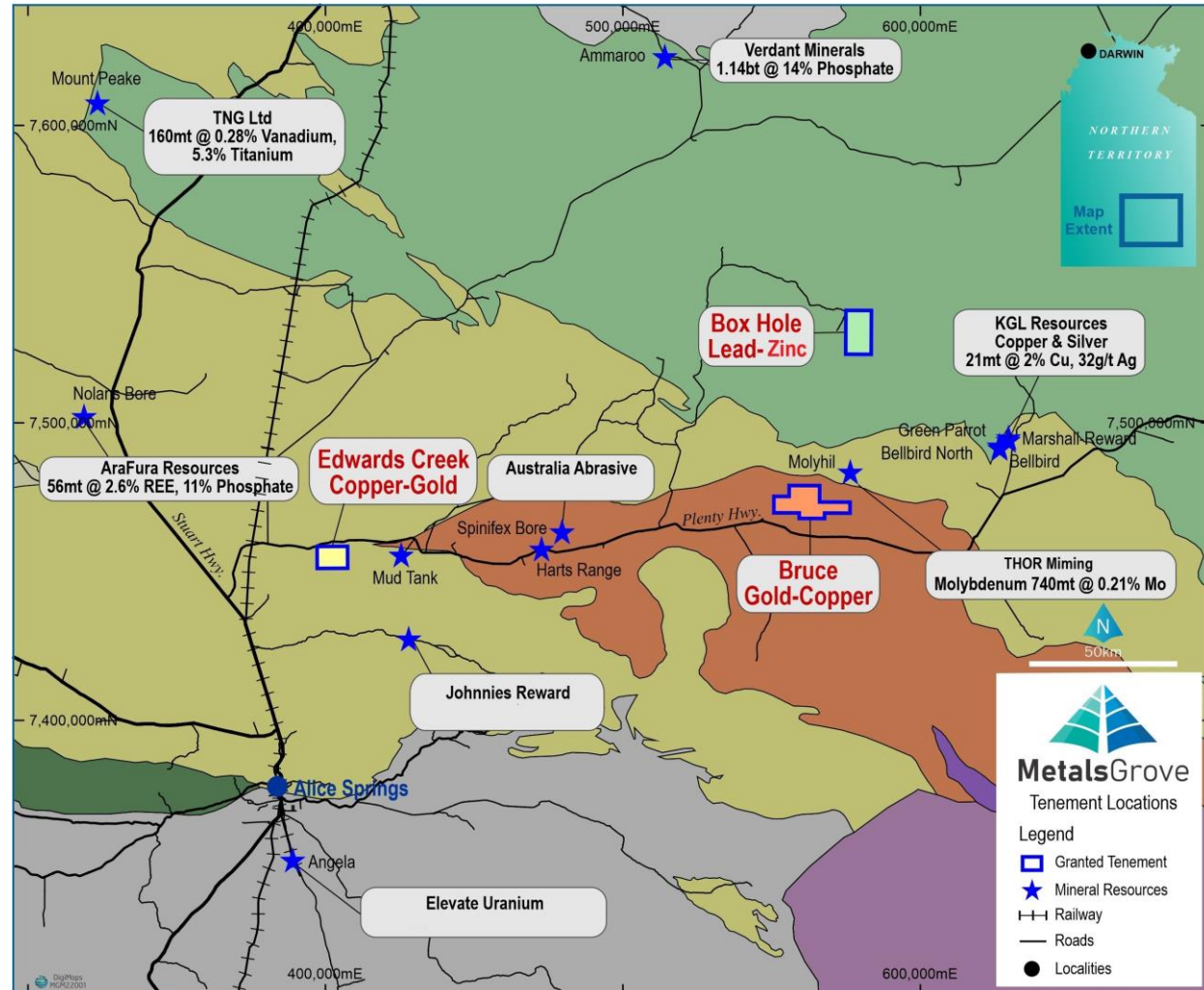
Arunta Project: Rare Earth, Base Metal, Copper-Gold

- **Project:** Arunta Project-Northern Territory.
- **Location:** 110 km north of Alice Springs.
- **Size:** Approximately 320 km² (EL32420, EL31225 and EL32419).
- **Interest:** 100%.
- **Access:** Via Stuart and Plenty Highways.
- Well connected to existing mining infrastructure.
- Presence of rare earth (REE) anomalism associated with Cu-Au and base metal mineralisation has recently been demonstrated in the Arunta project (Norwest Minerals-ASX Release 28th Feb 2022).

Priority Drill Ready Targets:

1. Bruce Prospect
2. Box Hole Prospect
3. Edwards Creek Prospect

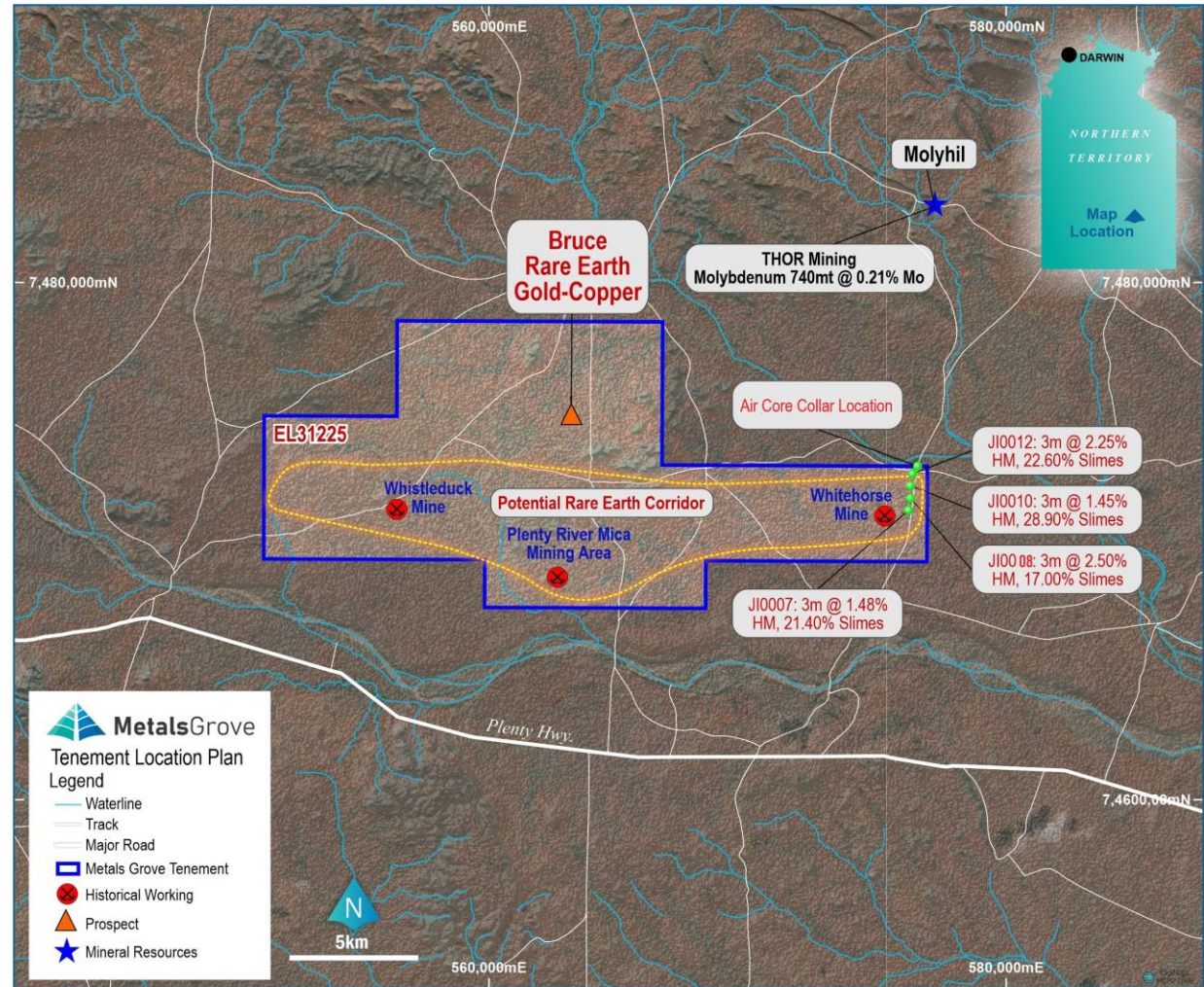
Refer to slide 21 for further information with respect to the third party results.



Bruce: Rare Earth Target

- Project (EL31225) covers an area of 127 km².
- Shallow historic workings along the main quartz vein.
- Two previous drill traverses partially tested central portion of vein system.
- Interconnected gossanous quartz veins extend for over 1km within sediments.
- Geological mapping confirms potential for pegmatite-hosted rare earth element mineralisation, neodymium and praseodymium (NdPr), which are key components of high-performance (NdFeB) magnets for Electric Vehicle (EV).
- Near-term work programs include follow up sampling and mapping prior to drill testing in Q4 2022.

Refer to slide 21 for further information with respect to Thor Mining plc's results.



Critical Metals Demand Surging

Rare earth elements are key metals for high-tech applications, including permanent magnets, which have widespread potential, especially in the technology and electric vehicle sectors.

RARE EARTH ELEMENTS

LIGHT

Sc Scandium
La Lanthanum
Ce Cerium
Pr Praseodymium
Nd Neodymium
Pm Promethium

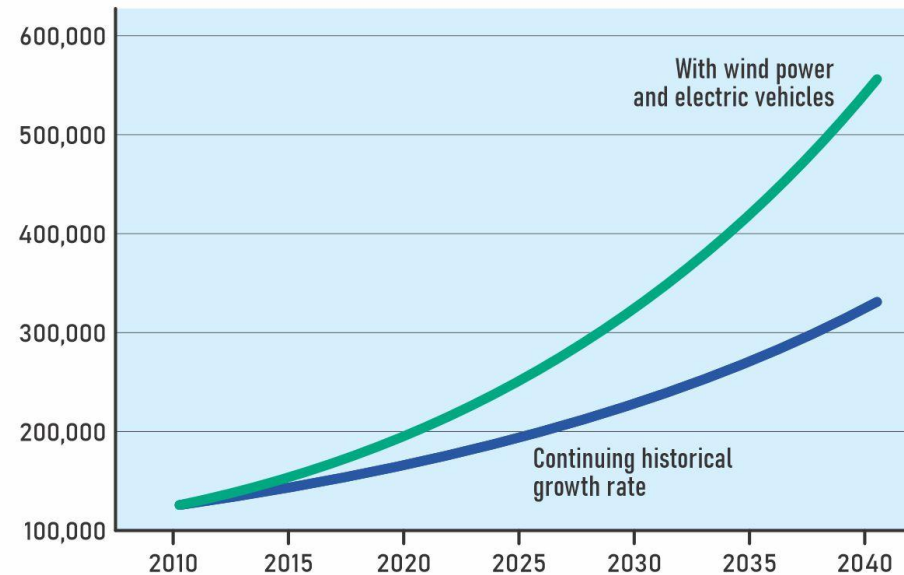
MEDIUM

Sm Samarium
Eu Europium
Gd Gadolinium

HEAVY

Tb Terbium
Dy Dysprosium
Ho Holmium
Er Erbium
Tm Thulium
Yb Ytterbium
Lu Lutetium
Y Yttrium

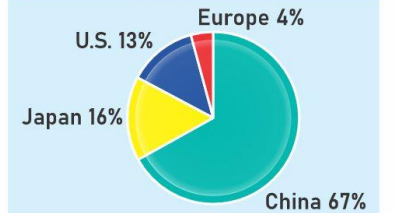
PROJECTIONS OF DEMANDS (tons)



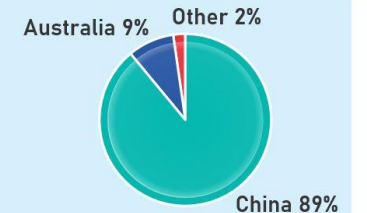
The Paris climate agreement vows to keep global warming below 2 degrees Celsius (or 3.6 Fahrenheit). That will take a lot of electric vehicles and wind turbines, which means much higher demand for rare earths.

Source: <https://www.gisreportsonline.com/r/rare-elements-demand/>

CONSUMPTION 2016 155,000 TONS



PRODUCTION 2016 175,000 TONS



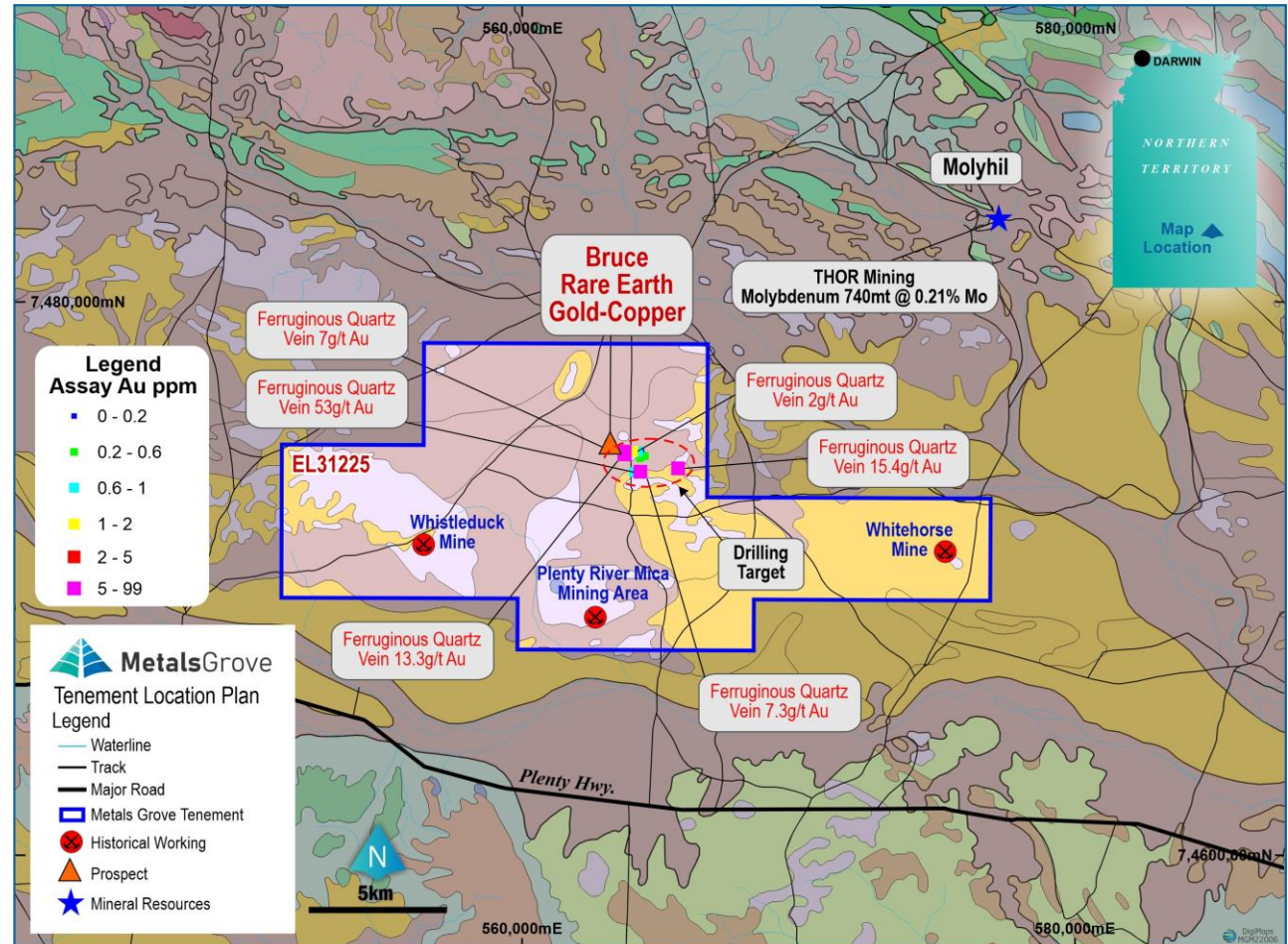
Source: Foreign Policy 2016

Bruce: Copper-Gold Target

Significant Copper- Gold Potential

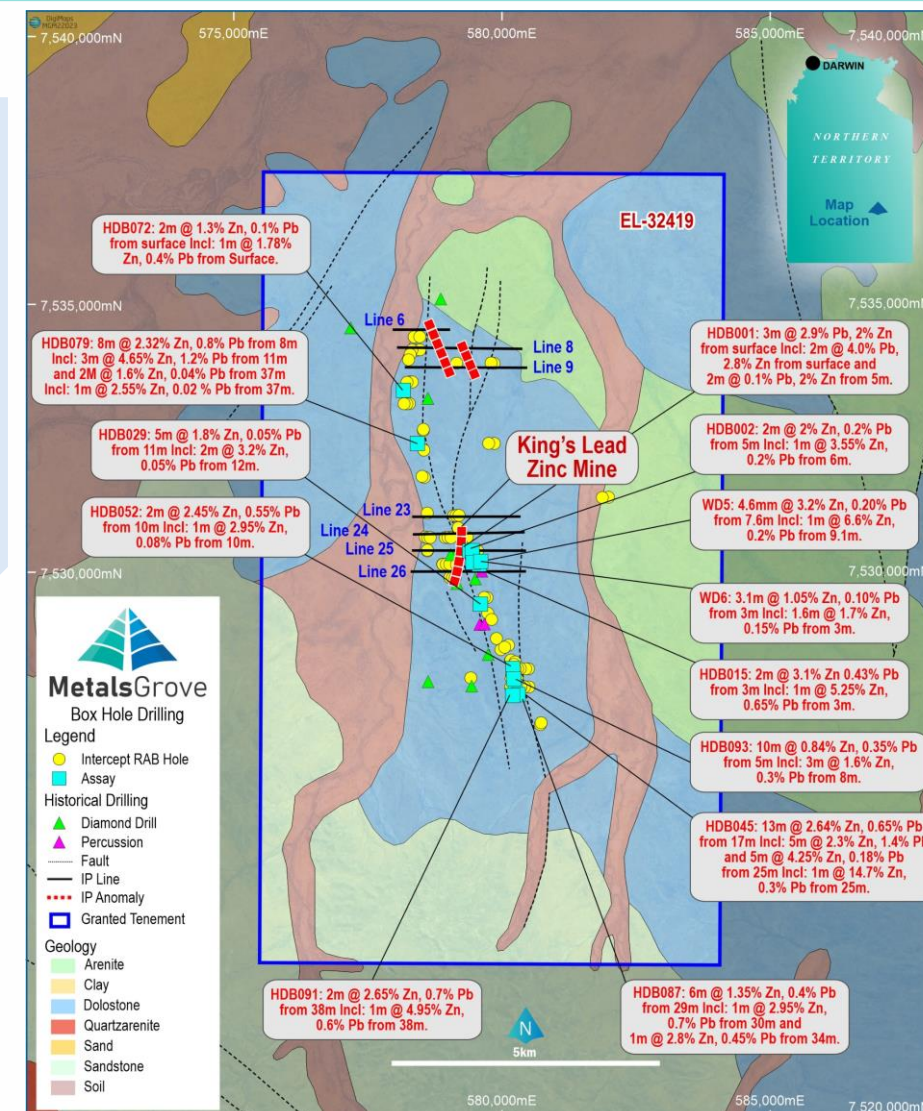
- Rock chip samples taken by the Northern Territory Geological Survey assayed 53 g/t Au and 1.70% Cu.
- Recent geological mapping located ferruginous gossanous quartz vein assay returned values up to 15.26 g/t Au and 7.24 g/t Au.
- Mineralisation system is 1-2m wide and extends up to approximately 600m giving a total strike length of 2.1 km.
- Several historical pegmatite workings located within the project area.

Refer to slide 21 for further information with respect to Thor Mining plc's results.



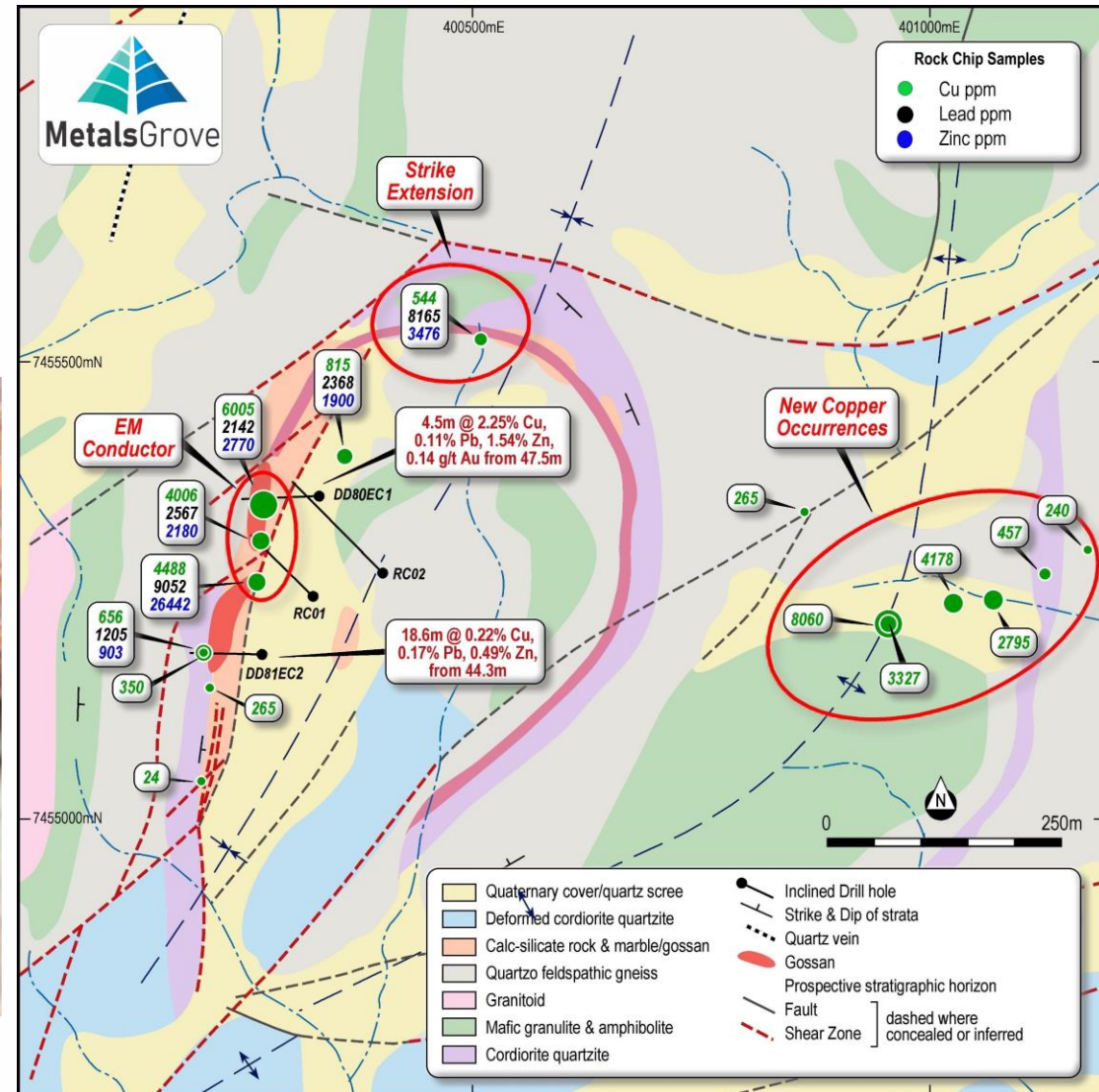
Box Hole: Rare Earth and Base Metals

- Project (EL32419) covers an area of 127 km² located approximately 250 km northeast of Alice Springs in the Northern Territory.
- CSIRO generated 3D geological model was developed to assist exploration targeting.
- Prospective for large tonnage carbonate hosted lead-zinc mineralization.
- Style of mineralization similar to Blendeveale in the Kimberley region, WA.
- Potential for neodymium and praseodymium (NdPr), which are key components of high-performance (NdFeB) magnets for Electric Vehicle (EV).

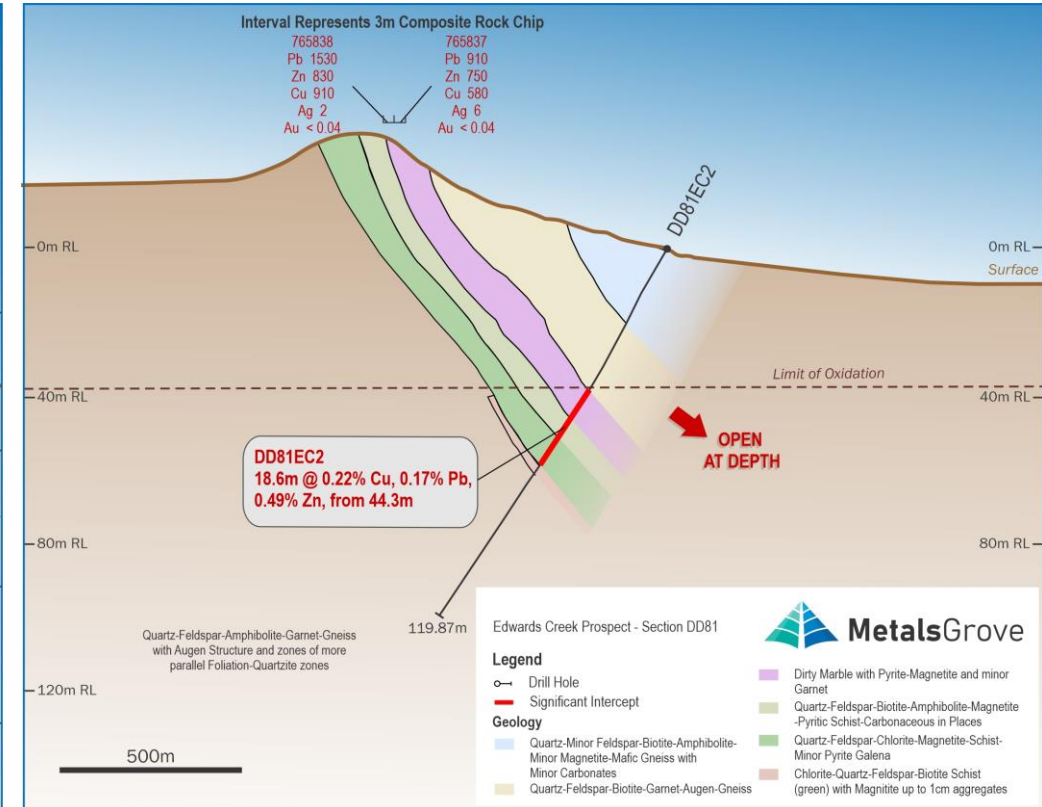
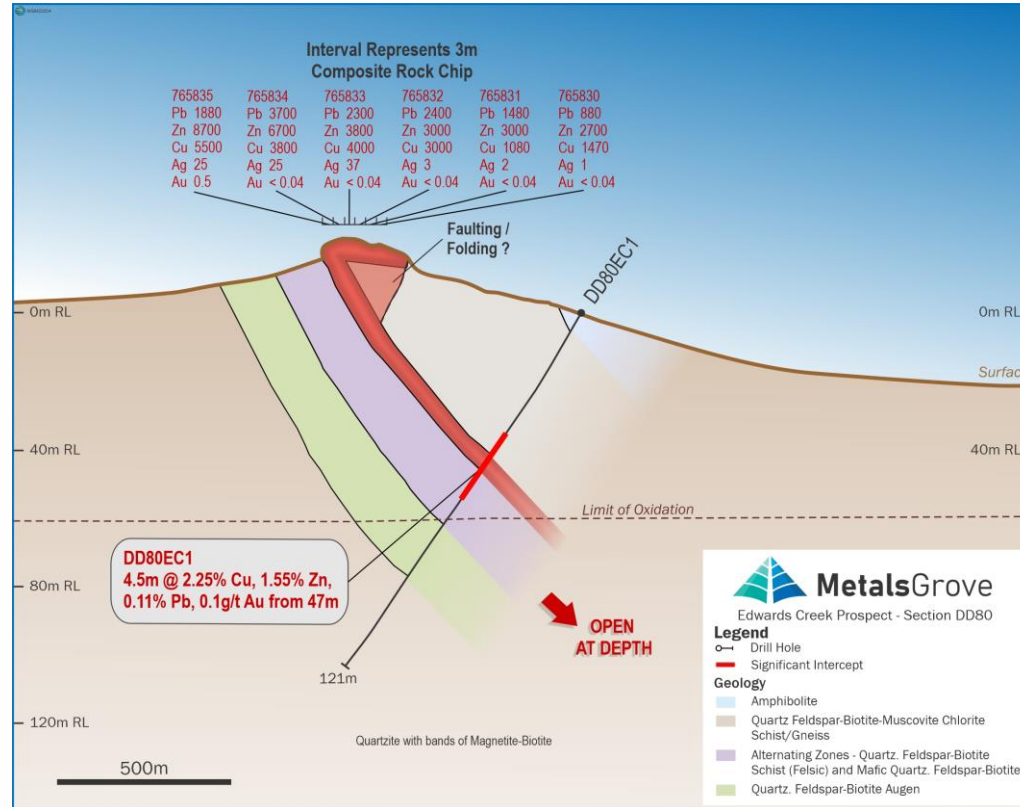


Edwards Creek: Copper and Gold

- Edwards Creek Project (EL-32420) covers 76 km².
- Newly discovered malachite stained ironstone unit returned a maximum value of 0.81% Cu.



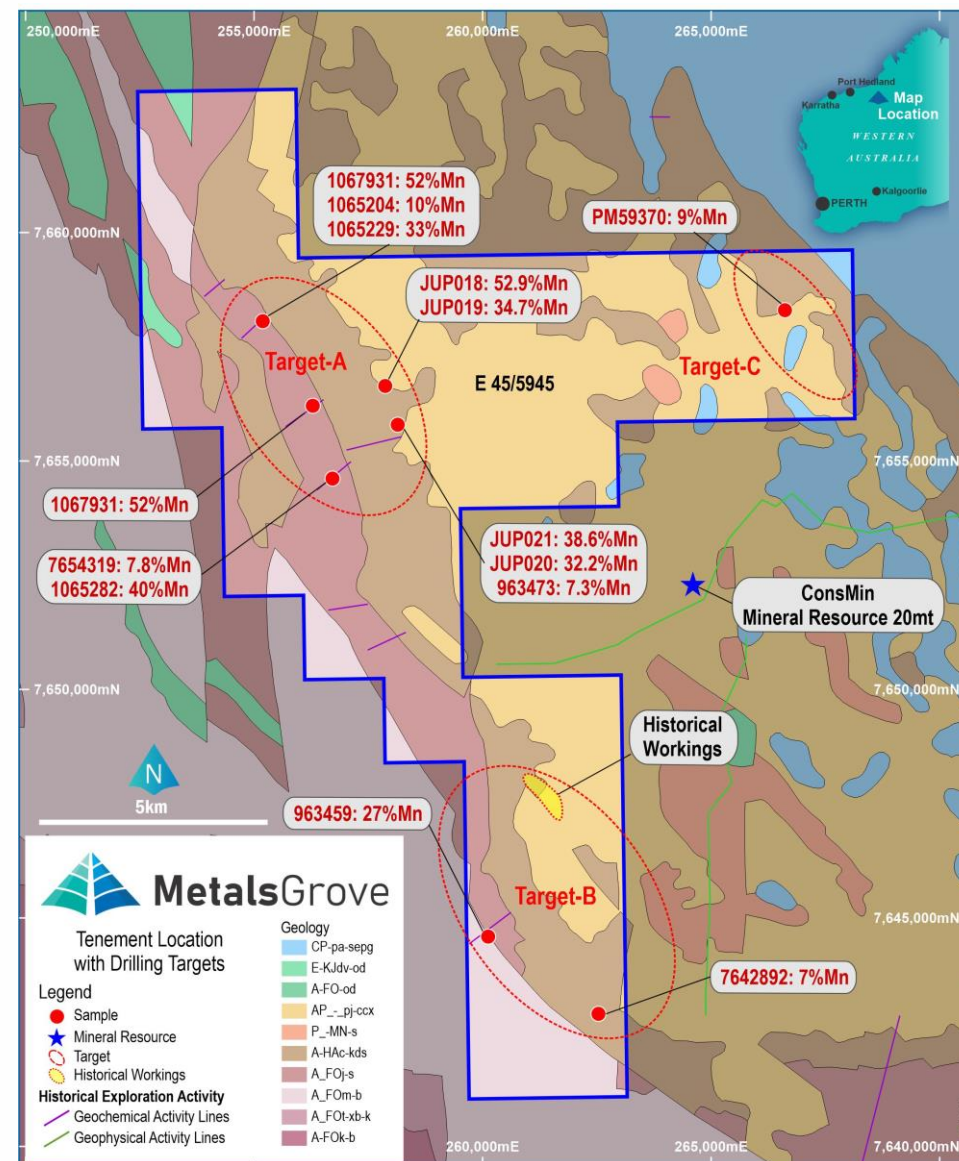
Edwards Creek: Copper and Gold



- DD80EC1 drilled by CRAE in 1980s intersected 4.5m @ 2.25% Cu, 0.11% Pb, 1.54% Zn, 0.14 g/t Au from 47m.
- DD81EC2 drilled by CRAE in 1980s intersected 18.6m @ 0.22% Cu, 0.17% Pb, 0.49% Zn, 0.14 g/t Au from 44.3m.

Woodie Woodie North: Manganese

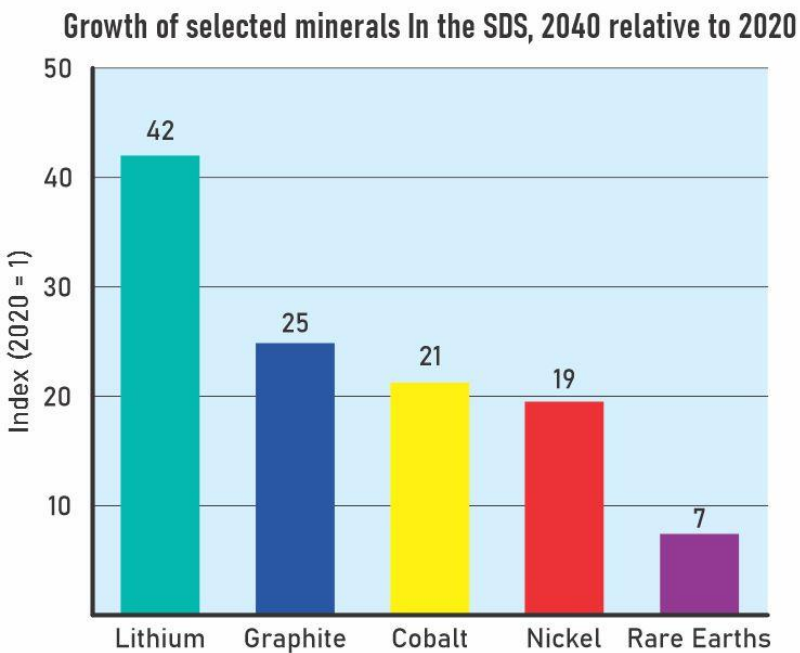
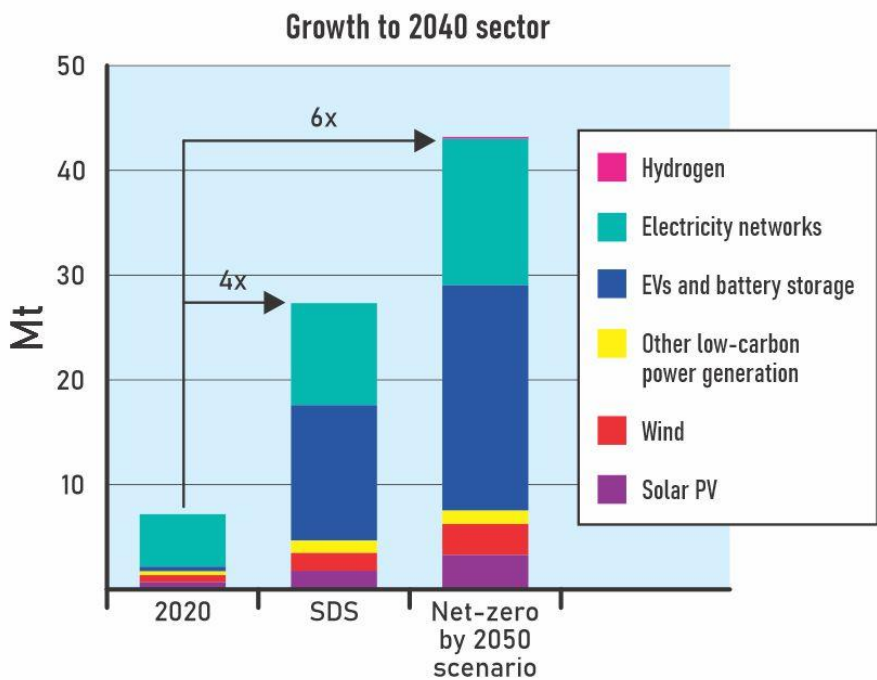
- **Project:** Woodie Woodie North (Ripon Hills) – Western Australia.
- **Location:** Situated in the East Pilbara region of Western Australia approximately 400 km south of Port Hedland and 95 km east of Marble Bar.
- **Size:** Approximately 14,400 ha (E45/5945).
- **Interest:** 100%.
- **Access:** All-weather Ripon Hills Road that ensures continued site access.
- DRILL READY walk-up drilling targets.
- Well connected to existing mining infrastructure.
- Surface sampling has returned several highly anomalous manganese (Mn) and cobalt (Co) assays up to 52% Mn and 540ppm Co.



Critical Metals Demand Surging

MINERAL DEMAND FOR CLEAN ENERGY TECHNOLOGIES WOULD RISE BY AT LEAST FOUR TIMES BY 2040 TO MEET CLIMATE GOALS, WITH PARTICULARLY HIGH GROWTH FOR EV-RELATED MINERALS

Mineral demand for clean energy technologies by scenario



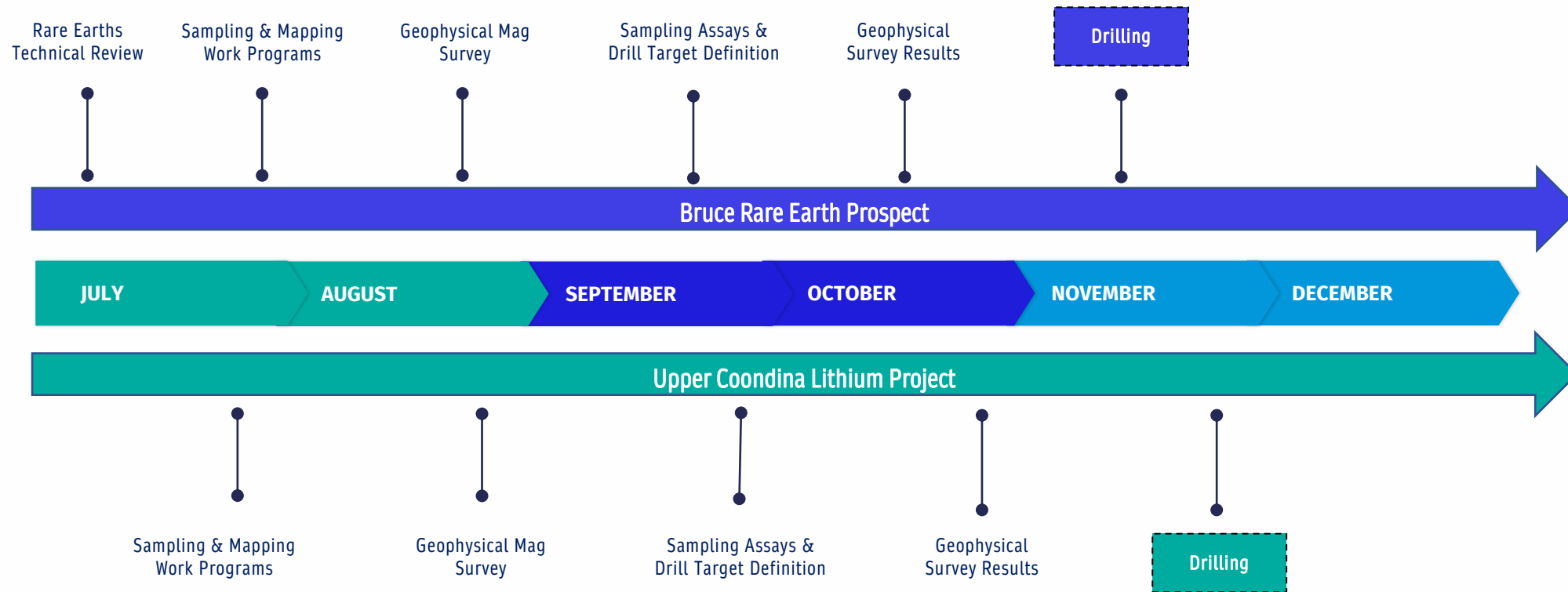
Notes: Mt = million tonnes. Includes all minerals in the scope of this report, but does not include; steel and aluminium. See Annex for a full list of minerals.

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Source: <https://cleanenergynews.ihsmarkit.com/research-analysis/energy-transition-demands-a-critical-minerals-supply-chain-tra.html>

Near-Term Catalysts

- ✓ Priority focus on rapidly advancing Upper Coondina Lithium Project and Bruce Rare Earth Prospect
- ✓ Leverage previous exploration/mining activity to fast-track project development
- ✓ As illustrated below, multiple work programs planned for remainder of 2022 to drive value creation





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ASX CODE: MGA



References

Third party exploration results referred to in this presentation were first announced in the following ASX releases:

1. TNG Limited's (ASX:TNG) ASX announcement "Mount Peake Resource Drilling Update" dated 8 February 2013 (referred to on slide 10).
2. Verdant Minerals Limited's (ASX:VRM) ASX announcement "Ammaroo Resource Update March 2017" dated 15 March 2017 (referred to on slide 10).
3. Arafura Resources Limited's (ASX:ARU) ASX announcement "Nolans Project Update" dated 11 May 2021 (referred to on slide 10).
4. KGL Resources Limited's (ASX: KGL) ASX announcement "Resource Upgrade at Jervois Copper Project" dated 15 September 2020 (referred to on slide 10).
5. Thor Mining plc's (ASX:THR) ASX announcement: "Mineral Resource Estimates Bonya Tungsten & Copper" (referred to on slides 10, 11 and 13).

MetalsGrove is not aware of any new information in respect of the results referenced in the above ASX announcements and that full details with respect to the third party results referred to in this presentation are included in the applicable ASX announcement.

