



# Company Update

**Investor Presentation**  
**September 2022**

**Jason Livingstone**  
Managing Director

**ASXWML**

# WOOMERA MINING LIMITED

## DISCLAIMER

This presentation doesn't include all the information on Woomera Mining Limited and should not be used in isolation as a guide to investing in the Company. Any potential investor should also refer to the Woomera Mining Limited's Annual Reports, filings and ASX releases and take independent professional advice before considering investing in the Company. For further information about Woomera Mining Limited, visit the website at [www.woomeramining.com.au](http://www.woomeramining.com.au)

## COMPETENT PERSONS STATEMENT

Please refer to the following announcements with reference to applicable Competent Person Statements: Woomera Mining ASX Announcement "Wyloo Dome JV Demonstrates Significant Gold Potential" 22 August 2022, Pilbara Minerals Limited ASX release "2020 Annual Report" dated 16 October 2020, Altura Mining Limited ASX release "Mineral Resource and Ore Reserve Estimate Update" dated 9 October 2019, Pilbara Minerals Limited ASX release "Acquisition of Altura Lithium Project Complete" dated 20 January 2021, Mineral Resources Limited ASX release "Wodgina Mineral Resource and Ore Reserve Update" dated 23 October 2018, Woomera Mining ASX Announcement "Exploration update – SA Projects" dated 2 September 2022, Woomera MiniASX Announcement "Nickel & Copper Massive Sulphides Confirmed at Mt Venn" dated 10 Dec 2021 and Indiana Resources ASX Announcements dated - 4 August 2020, 22 February 2021, 3 March 2021, 13 July 2021, 21 December 2021, 11 January 2022, 23 February 2022 and 15 March 2022.

Woomera Mining confirms that the Company is not aware of any new information or data that materially affects the information in the relevant market announcements and, in the case of "exploration results" that all material assumptions and technical parameters underpinning the "exploration results" in the relevant announcements apply and have not materially change.

## FORWARD LOOKING STATEMENTS

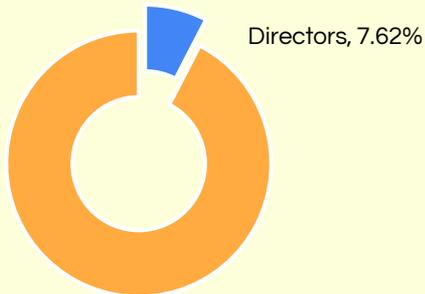
Certain statements in this document are or maybe "forward-looking statements" and represent Woomera's intentions, projections, expectations or beliefs concerning among other things, future exploration activities. The projections, estimates and beliefs contained in such forward-looking statements necessarily involve known and unknown risks, uncertainties and other factors, many of which are beyond the control of Woomera, and which may cause Woomera's actual performance in future periods to differ materially from any express or implied estimates or projections. Nothing in this document is a promise or representation as to the future. Statements or assumptions in this document as to future matters may prove to be incorrect and differences may be material. Woomera does not make any representation or warranty as to the accuracy of such statements or assumptions.

# CORPORATE SNAPSHOT\*

## ASX: WML

Share Price (9 September 2022):	\$0.016	per share
Shares on Issue:	686.8	million
Options:	205.2	million
Market Capitalisation:	\$11	million
Cash (30 06 2022):*	\$1.6	million
Enterprise Value:	\$9.4	million

## Major Shareholders



Note, as of 5/9/2022 - Top 20 = 28.62%

\*Refer ASX Announcement "Quarterly Activities/Appendix 5B Cash Flow Report" 28 July 2022



**Ian Gordon**

### Non-Executive Chair

- +25 years (Mining Executive)
- Non-Exec. Director Dreadnought Resources (ASX:DRE)
- Former MD at Ramelius Resources (ASX:RMS) and Flinders Mines (ASX:FMS)



**Jason Livingstone**

### Managing Director

- +20 years (Geologist)
- Formerly Managing/Technical Director at Metalicity Ltd (ASX:MCT)
- Led exploration and development teams in multiple commodities in many international locations



**David Richards**

### Non-Executive Director

- +40 years (Geologist)
- Managing Director – Minerals 260 Limited (ASX:MI6)
- Led discovery teams for Vera-Nancy/Pajingo (Qld) and the Kathleen Valley Lithium Deposits in WA



**David Lindh**

### Non-Executive Director

- +40 years (Lawyer & Company Director)
- Former Director of a number of listed companies in resources sector
- Founder and former Chairman of Centrex Metals (ASX:CXM)

# OVERVIEW OF PROJECTS

## Prospective Australian Exploration

Woomera is exploring in world-class mineral provinces in Western Australia and South Australia:

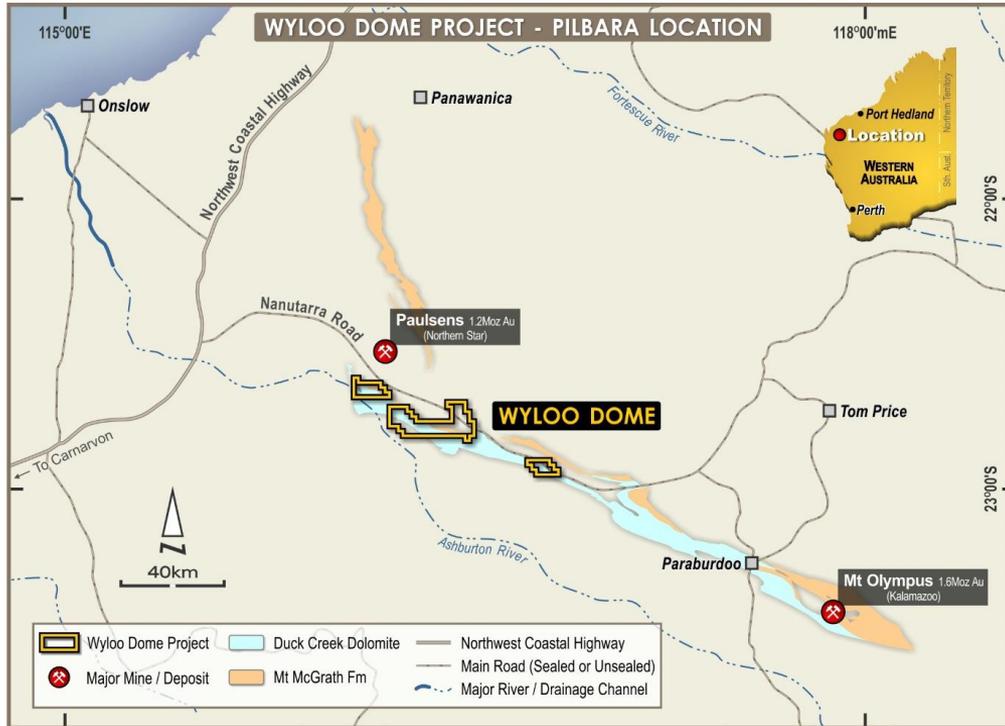
-  Ashburton – **Wyloo Dome JV (Au)** – WML earning 60%
-  Pilbara – **Pilgangoora (Li)** – 100% WML
-  South Yilgarn – **Lake Dundas & Ravensthorpe (Li)** – 100% WML
-  Yilgarn Craton – **Mt Venn JV (Au + Ni-Cu-PGE) Project** – 80% WML / 20% Cazaly Resources
-  Musgrave Province – **Musgrave (Ni-Cu-Co) Project** – 100% WML
-  Gawler Craton – **Labyrinth (Cu-Au) Project** – 100% WML



Projects all in low-risk, mining-friendly jurisdictions with excellent access to infrastructure

# WYLOO DOME JV PROJECT

## Underexplored Gold and Base Metal Project



A 2,031-line km VTEM™ MAX survey recently completed over Wyloo Dome, with 40-plus gold targets identified for follow-up.

Located between the high-grade Paulsen's and Mt Olympus gold mines in the Ashburton region of WA.

Project covers over 40km strike of the highly prospective Mt McGraths Formation, the favoured host rock for high grade gold mineralisation at Mt Olympus.

Immediate drill targets confirmed by VTEM™ MAX survey:

 Golden Marra Mamba, where historical exploration has returned high grade rock chips up to 11.7 g/t Au

 New Morning, where historical drilling returned 16m at 0.7 g/t Au proximal to conductor

\*Refer ASX Announcement "Wyloo Dome JV Demonstrates Significant Gold Potential" 22 August 2022

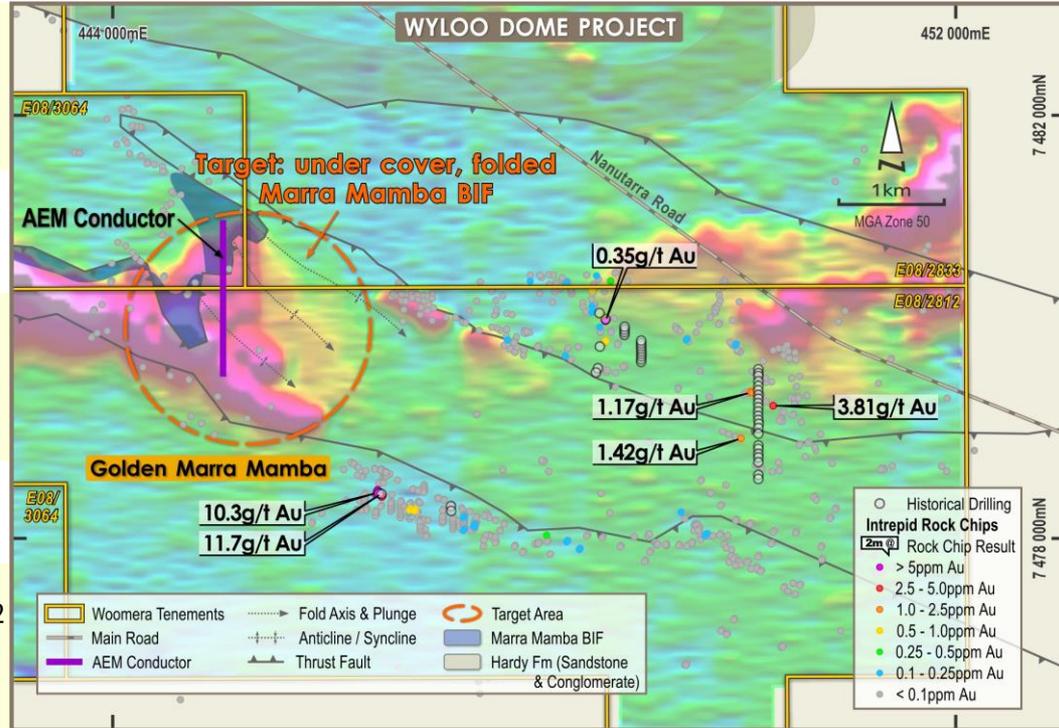
# WYLOO DOME PROJECT

## Golden Marra Mamba Prospect

Demonstrated geophysical anomalism with potential conductive host rocks (VTEM TM MAX) defining structural settings prospective for gold mineralisation

Highly anomalous rock chip sampling close to the interpreted conductor site – like New Morning, this information suggests a near-miss scenario

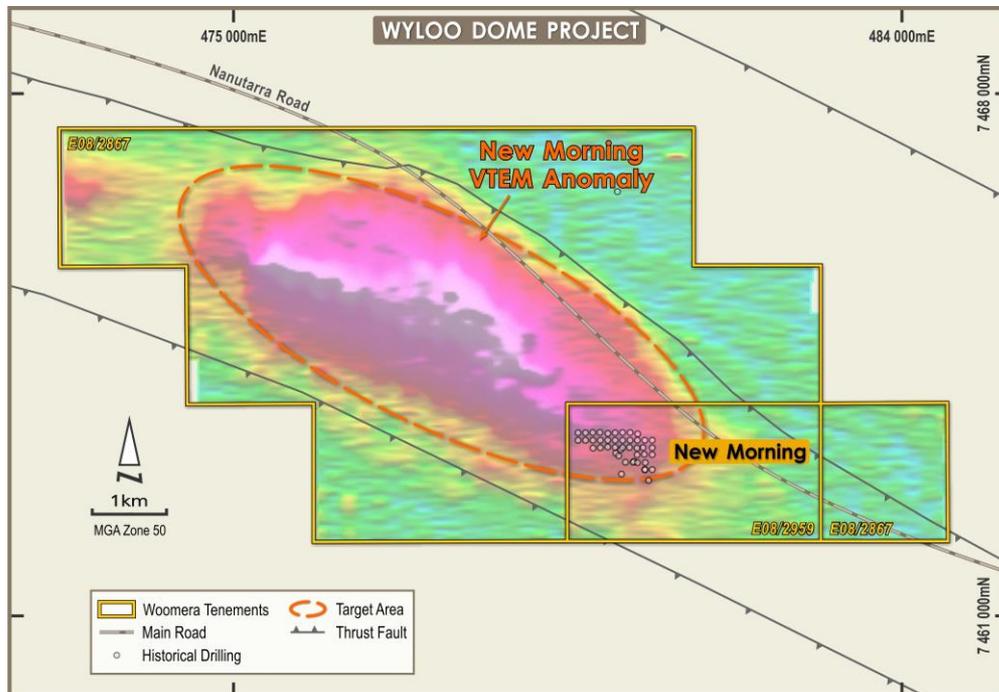
Drilling planned for December quarter 2022 once heritage surveys and regulatory approvals received



\*Refer ASX Announcement "Wyloo Dome JV Demonstrates Significant Gold Potential" dated 22 Aug 2022

# WYLOO DOME JV PROJECT

## New Morning Prospect



At New Morning, an untested, recently defined, large amplitude VTEM<sup>TM</sup> MAX geophysical anomaly that is a potential conductive host for gold mineralisation

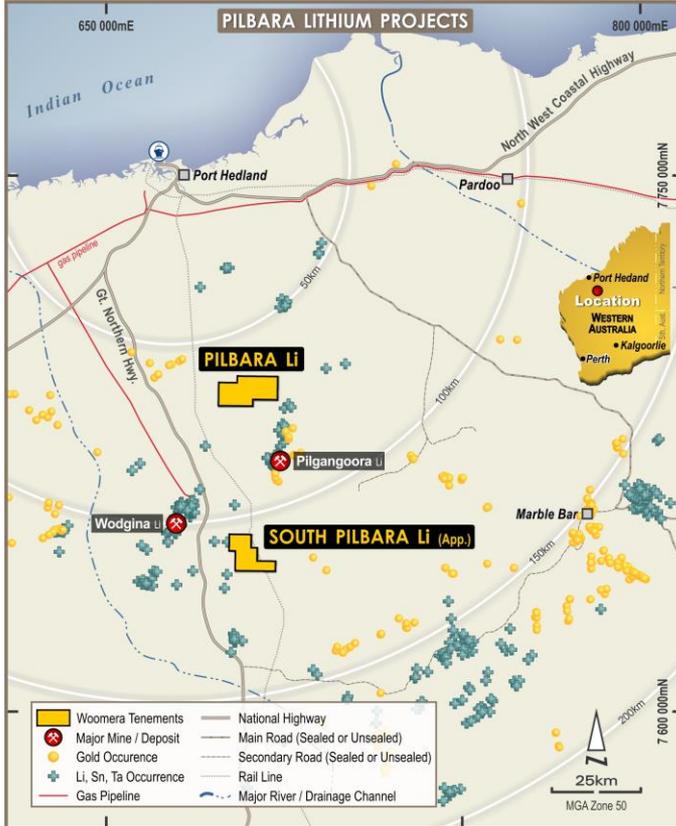
Area of interest lies adjacent to historical drilling that returned up to 16m at 0.7 g/t Au\*, suggesting a near-miss scenario whereby this intersection is distal to the main mineralisation lode/s

Drilling planned for December quarter 2022 once heritage surveys and regulatory approvals received

\*Refer ASX Announcement "Wyloo Dome JV Demonstrates Significant Gold Potential" 22 August 2022

# PILBARA LITHIUM PROJECT

## Right area, right rocks



Located 60–110km south-east of Port Hedland and includes two tenements and one tenement application in the Pilbara Craton

Woomera’s tenements are close to multiple world-class lithium projects including:

Pilbara Minerals’ Pilgangoora operation (Mineral Resource estimate of 222.5Mt @ 1.26%  $\text{Li}_2\text{O}$ );

Pilbara Minerals’ Altura project (Mineral Resource estimate of 45.7Mt @ 1.06%  $\text{Li}_2\text{O}_2$ ) acquired in January 2021 for US\$175 million<sup>3</sup>

Mineral Resources and Albemarle Corporation’s Wodgina Lithium Project (Mineral Resource estimate of 259.2Mt @ 1.17%  $\text{Li}_2\text{O}$ <sup>4</sup>)

Assays pending for soil sampling completed in August 2022 – review in progress

<sup>1</sup>See Pilbara Minerals Limited ASX release “2020 Annual Report”, 16 October 2020

<sup>2</sup>See Altura Mining Limited ASX release “Mineral Resource and Ore Reserve Estimate Update”, 9 October 2019

<sup>3</sup>See Pilbara Minerals Limited ASX release “Acquisition of Altura Lithium Project Complete”, 20 January 2021

<sup>4</sup>See Mineral Resources Limited ASX release “Wodgina Mineral Resource and Ore Reserve Update”, 23 October 2018

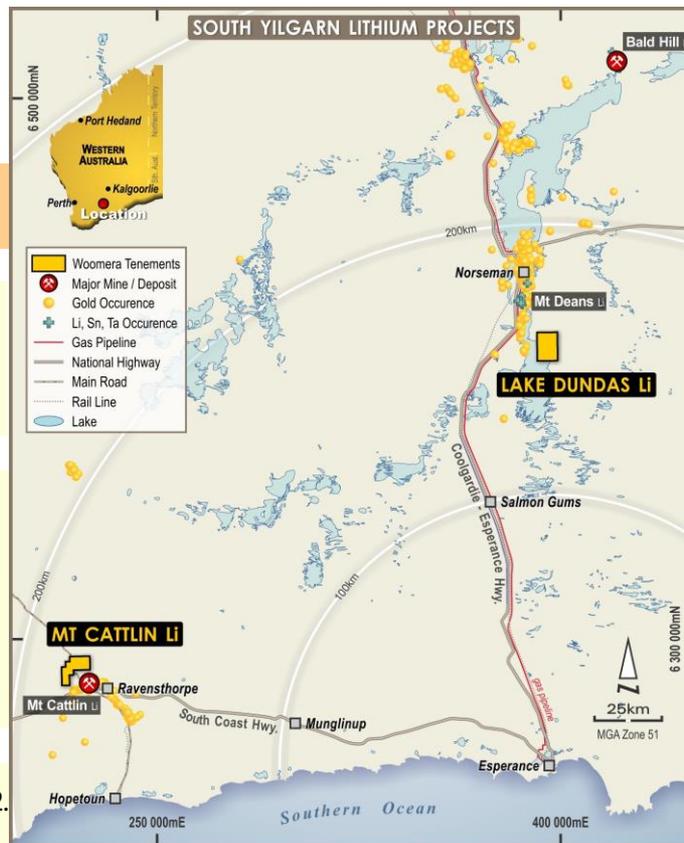
# SOUTH YILGARN LITHIUM PROJECTS

## Mt Cattlin

Potential for lithium-caesium-tantalum (LCT) field to be more extensive than has been identified around Allkem's Mt Cattlin mine.

Pegmatites may extend into Woomera's project based on potential for multiple causative granite intrusions and relative timing of LCT pegmatite intrusions into known breaks/faults throughout the greenstone belt.

Soil sampling scheduled for Q4 2022.



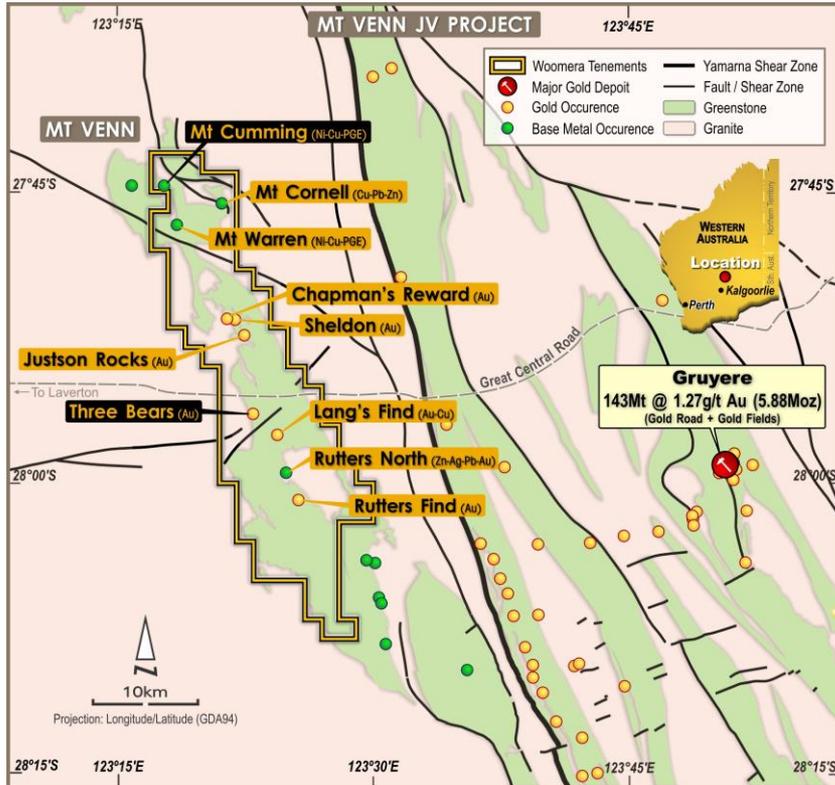
## Lake Dundas

Area is enriched in lithium minerals based upon open file (WAMEX) shallow auger soil sampling results up to 54ppm Li and comparative enrichments in lithium bearing salt lakes around the world\*.

Drilling scheduled to commence in late September/early October 2022.

# MT VENN PROJECT

## Base Metal and Gold Exploration Project



Covers 50km of continuous strike within the underexplored Mt Venn Greenstone Belt.

More than 10,900m of RC + AC drilling completed to date.

Three stacked mineralised lodes (Mama Bear, Baby Bear and Papa Bear) defined over 4km strike at Three Bears Gold Prospect.

Some assays are still awaited from 2022 drill program.

The Mt Venn Project is currently subject to an external review.

**Significant sulphide-related nickel and copper intersections from the Mt Cornell Prospect, within the Mt Cumming Ni-Cu-PGE Mafic Sill Complex\***

**11m at 0.34% Ni and 0.42% Cu** from 41-52m in MVRC064, including:



**2m at 1.31% Cu** from 42-44m; and



**2m at 0.87% Ni** from 47-49m

**5m at 0.31% Ni and 0.65% Cu** from 94-99m in MVRC065, including:



**1m at 0.71% Ni and 0.51 g/t Pt+Pd** from 94-95m; and

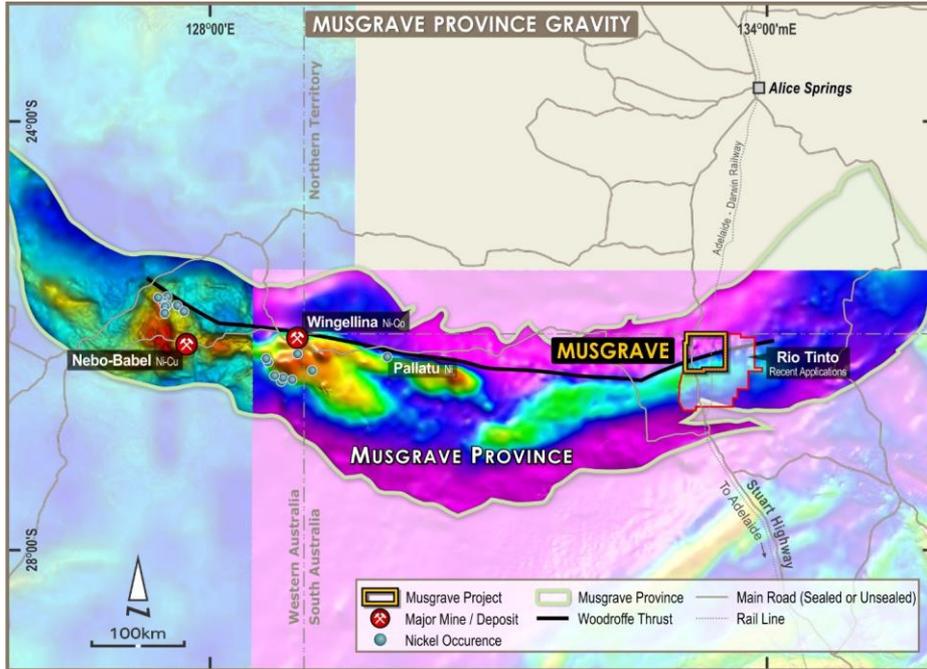


**1m at 1.68% Cu** from 97-98m

\*Please refer to ASX Announcement "Nickel & Copper Massive Sulphides Confirmed at Mt Venn" dated 10 Dec 2021

# MUSGRAVE PROJECT

## Underexplored Ni-Cu-Co Province



WML holds over 1,600km<sup>2</sup> of granted tenure within the Musgrave Province, in South Australia.

Similar geological setting to Nebo Babel Ni-Cu and Wingellina Ni-Co deposits.

Proximal to Craton margin and mantle tapping structures.

Prospective Giles Complex rocks that host OZL's Nebo-Babel Ni-Cu deposit identified on Project.

Historical assays up to **19m at 0.2% Ni<sup>1</sup>** returned in ultramafic cumulates from 8m depth at Cavanagh (centre of project holding).

Rio Tinto recently acquired exploration license applications immediately to the east and south<sup>2</sup>.

VTEM<sup>TM</sup> MAX Survey scheduled for last quarter of 2022.

<sup>1</sup>CRA (1997): EL2020 Mt Howe Project – Exploration Report 23518. South Australian DME Open File Exploration Report

<sup>2</sup>Refer ASX Announcement "Exploration update – SA Projects", 2 September 2022

# LABYRINTH PROJECT

## Gawler Craton – World Class Cu-Au Province

Located 60km east of the Tarcoola gold mine and 200km west of Coda Minerals' Elizabeth Creek IOCG discovery.

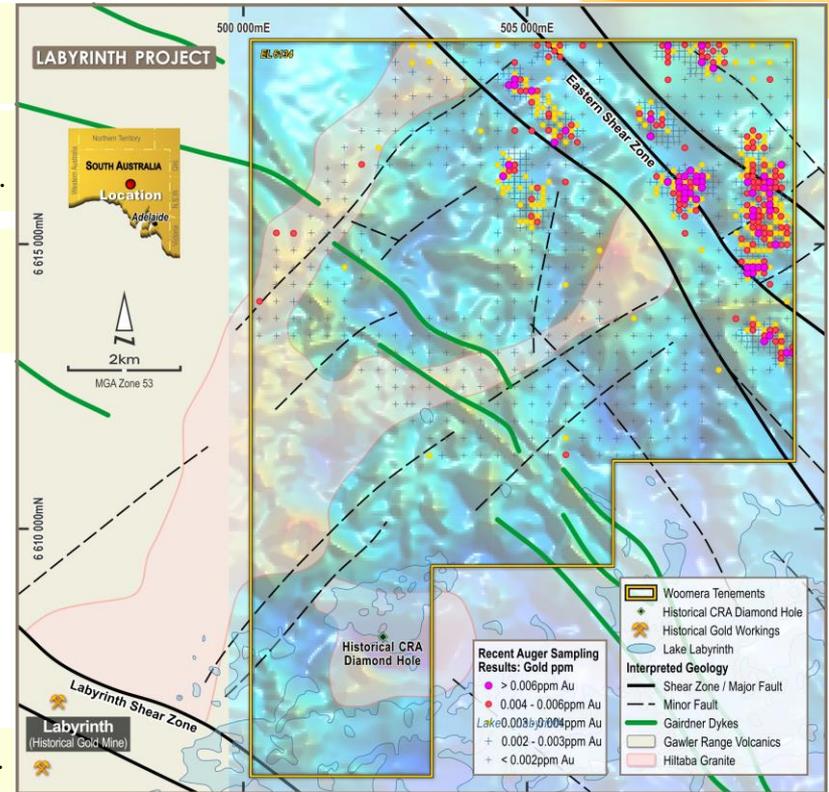
Known gold mineralisation associated with outcropping Hiltaba Suite Granites at the Labyrinth gold workings, immediately west of tenement.

Gold and rare earths anomalism demonstrated within a possible repetition, in the northeast of the Project area, of the Labyrinth Shear Zone that may have potential to host significant mineralisation:

As demonstrated by Indiana Resources' Minos and Ariadne prospects ~25km along strike<sup>1</sup>.

Historic CRAE drill hole returned anomalous copper and neodymium (Elevated levels of copper (max 792 ppm) and neodymium (max 240 ppm) were recorded in peridotites and basalts respectively) close to the interpreted location of the Labyrinth Shear Zone<sup>2</sup>.

Drilling planned for later this year – pending regulatory approvals etc.



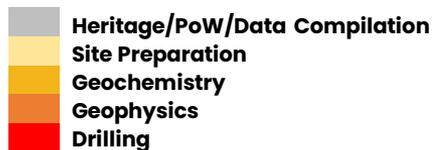
<sup>1</sup>Refer IDA Announcements 4 August 2020, 22 February 2021, 3 March 2021, 13 July 2021, 21 December 2021, 11 January 2022, 23 February 2022 and 15 March 2022.

<sup>2</sup>Refer ASX Announcement "Prospectus", 5 December 2017.

# UPCOMING EXPLORATION

## Maintaining Momentum

State	Project	Activity	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
SA	Musgrave	VTEM Survey	Heritage/PoW/Data Compilation	Geochemistry	Geochemistry	Geochemistry		
SA	Labyrinth	Soil anomalism drill testing	Heritage/PoW/Data Compilation	Geochemistry	Drilling	Heritage/PoW/Data Compilation		
WA	Mt Venn JV	Full external review, report previous results	Heritage/PoW/Data Compilation	Heritage/PoW/Data Compilation	Geochemistry	Geochemistry	Drilling	Heritage/PoW/Data Compilation
WA	Pilbara Lithium	Submit, analyse and review soil sampling	Geochemistry	Geochemistry	Heritage/PoW/Data Compilation	Heritage/PoW/Data Compilation	Heritage/PoW/Data Compilation	Drilling
WA	Lake Dundas Li	Complete first pass drilling	Heritage/PoW/Data Compilation	Drilling	Heritage/PoW/Data Compilation	Geochemistry		
WA	Mt Caitlin Li	Complete regional geochemistry surveys	Heritage/PoW/Data Compilation	Geochemistry	Geochemistry	Heritage/PoW/Data Compilation		
WA	Wyloo Dome JV	Prepare and drill test - New Morning & Golden Marra Mamba	Heritage/PoW/Data Compilation	Heritage/PoW/Data Compilation	Drilling	Heritage/PoW/Data Compilation		



H2 2022 Exploration into H1 2023

# INVESTMENT CASE

## Australian Explorer with High Quality Exploration Assets

### 1 High Quality Assets

Focused on large, highly prospective, under-explored land positions in world class mineral provinces

### 2 Recent Exploration Success

High priority drill targets defined by geophysical and geochemical surveys at Wyloo and Labyrinth.

### 3 Significant Potential

Further target definition work planned including VTEM™ Max survey at Musgrave and geochemical surveys across WA lithium projects.

### 4 Easy Access to Infrastructure

Woomera's assets are in investor-friendly mining jurisdictions, close to existing mines and/or deposits and have established main roads or rail lines that may allow for low-cost production

### 5 Experienced Board & Management

Woomera's Board and management team have a history of success in South Australia and Western Australia and have significant experience leading early-stage exploration companies to production and beyond



[www.woomeramining.com.au](http://www.woomeramining.com.au)

# THANK YOU

This presentation has been approved by the Board of Directors of Woomera Mining Limited

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