



# demetallica

*An active explorer with a copper-dominant,  
high-grade base metals exploration portfolio*

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## Drilling Progress at Jericho

9 June 2022

# Corporate Structure

ENTERPRISE DETAILS	
Price @ 8 June 2022	A\$0.25
Shares on issue (incl escrowed/unquoted holdings)	102.0m
SFR & OZL Shares unquoted, escrowed 12 months	15.1m
Market Capitalisation (quoted securities only)	\$23.9m
Broker Options 35c	2.7m
Net Cash available	\$11.2m
<b>Enterprise Value</b>	<b>\$12.7m</b>

## Directors

**Dr Roger Higgins** Non Executive Chair (NED: NCM, WOR, Ok Tedi Mining)  
**Andrew Woskett** Managing Director  
**Dr Tony Belperio** Non Executive Director (NED: CUS)  
**George McKenzie** Non Executive Director

## FORECAST USE OF FUNDS FY2023 & FY2024

SOURCE OF FUNDS	
Cash on hand	\$0.5m
IPO Funds received	\$15.0m
Proceeds from OZL subscription	\$1.6m
OZL funding for Peake & Denison JV	\$1.4m
<b>Total Funding Available</b>	<b>\$18.5m</b>
USE OF FUNDS	
Project acquisition payment to OZL	\$6.1m
Chimera Project	\$6.3m
Peake & Denison JV	\$1.4m
Other Projects	\$1.3m
Transaction costs	\$1.3m
General working capital	\$2.1m
<b>Total Funds Deployed</b>	<b>\$18.5m</b>

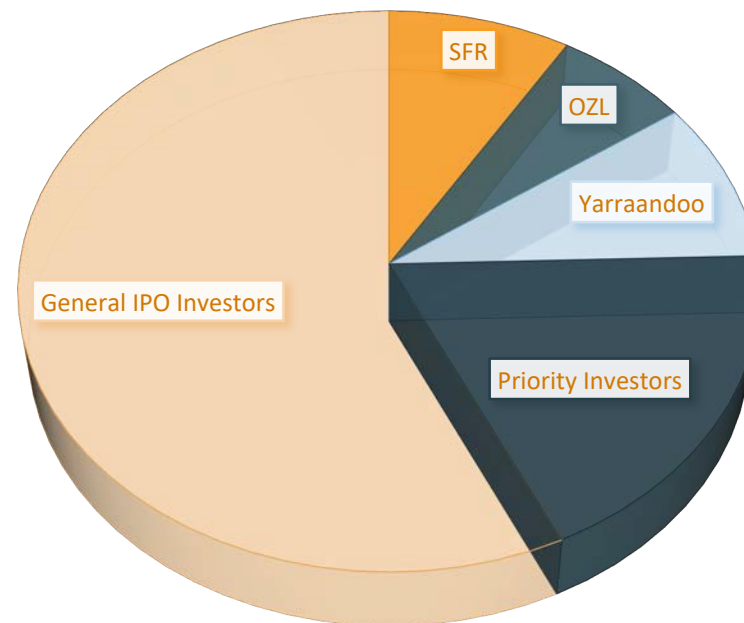
# Corporate Structure

- ▶ LISTED ON ASX 26 MAY 2022
- ▶ ASX: DRM
- ▶ 102 MILLION SHARES ON ISSUE
  - ❖ INCL 15.1M SFR + OZL UNQUOTED HOLDINGS (15.1M SHARES)
- 3,830 SHAREHOLDERS

## PRIMARY SHAREHOLDERS

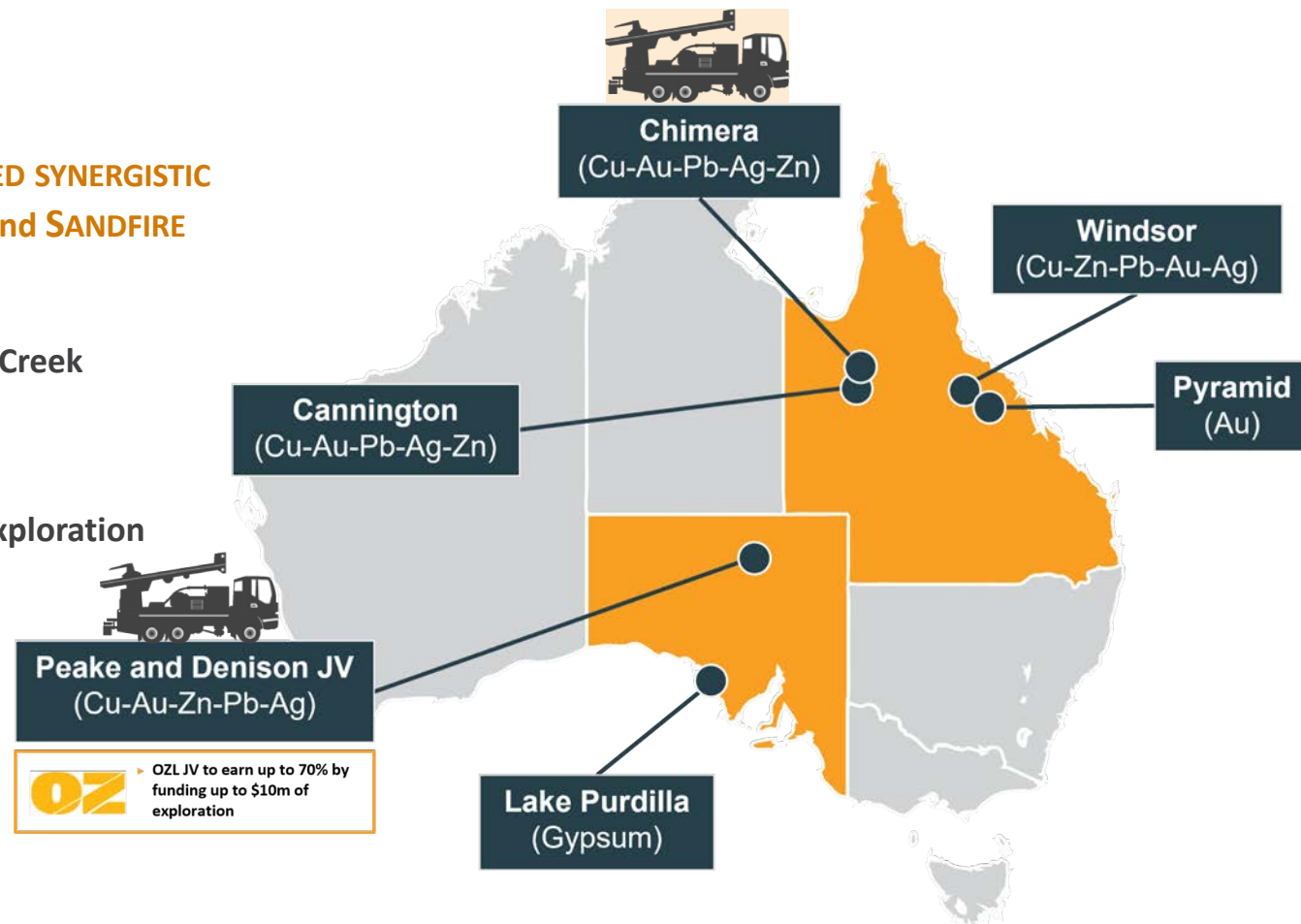
- ❖ SANDFIRE RESOURCES (9.3%)
- ❖ OZ MINERALS (6.6%)
- ❖ YARRAANDOO (9.1%)

HOLDER DISTRIBUTION



# Cornerstone Asset – Chimera Polymetal Project

- ▶ **CHIMERA POLYMETAL PROJECT** (pronounced *Ky-mer-ah*) **CONSOLIDATED SYNERGISTIC EXPLORATION ASSETS THROUGH TRANSACTIONS WITH OZ MINERALS and SANDFIRE RESOURCES**
- ▶ JORC 2012 Mineral Resource Estimates for Jericho, Altia and Sandy Creek
- ▶ Now working to expand 153kt Cu resource inventory
- ▶ Plus a delineated pipeline of promising greenfields-to-advanced exploration prospects



# Chimera – perfectly located

- ▶ Well located in world-class Cloncurry mining district, Northwest Queensland
  - Chimera encapsulates a dominant footprint of 2,100km<sup>2</sup>
  - 3 JORC standard deposits within 20km radius: Jericho (Cu-Au-Ag); Sandy Creek (Cu- Au) and; Altia (Pb-Ag-Zn)
  - Chimera resource base of +17Mt has 153kt of contained Cu and 107koz Au with significant exploration upside
  - Chimera surrounds the Eloise Copper Mine, owned by AIC Mines (ASX: A1M)
- ▶ Obvious scope to significantly expand Jericho resource through infill and extensional drilling
- ▶ Tenement area remains relatively under explored despite local presence of numerous base metal deposits





# Chimera - Substantial Mineral Resource platform

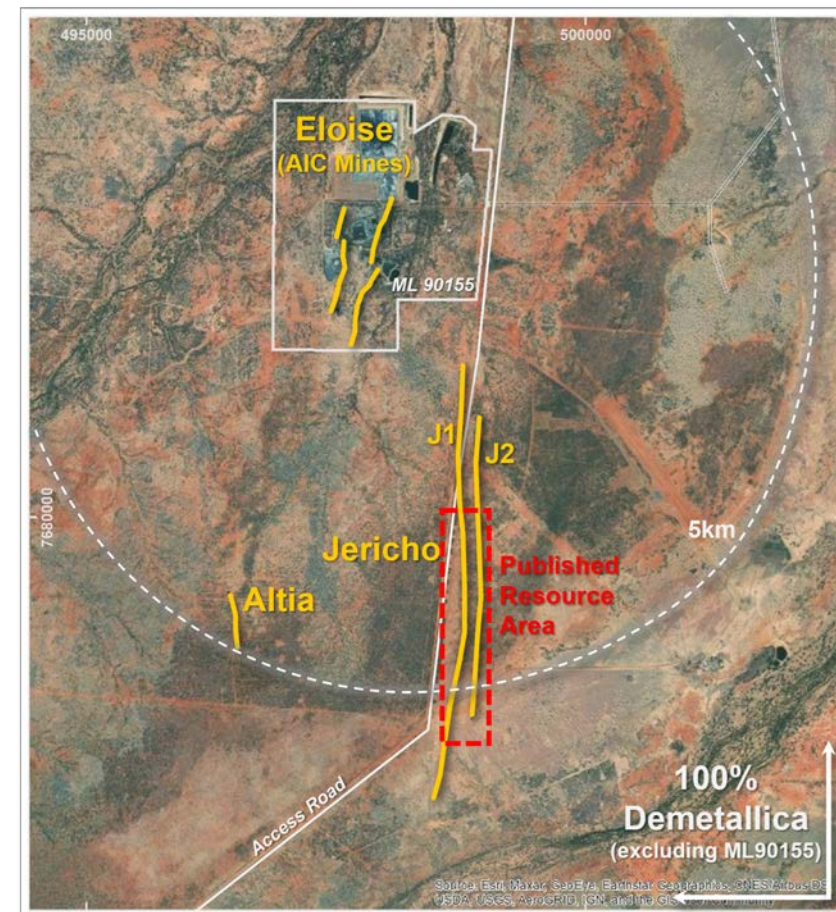
	JERICO	SANDY CREEK	ALTIA
Key Commodity	Cu-Au-Ag	Cu-Au	Pb-Ag-Zn
Location	▶ 3km from Eloise copper mine & concentrator	▶ 20km from Jericho	▶ 2km from Jericho
History	<ul style="list-style-type: none"> <li>▶ Discovered by Minotaur in 2017 under JV with OZ Minerals</li> <li>▶ 30km of diamond drilling completed through upper 300m of 2 parallel lodes</li> </ul>	<ul style="list-style-type: none"> <li>▶ Discovered in 1988 and drilled intermittently up until 2012 when resource was estimated</li> <li>▶ Prior JV with OZ Minerals</li> </ul>	<ul style="list-style-type: none"> <li>▶ Discovered by BHP in 1985 with resource estimated in January 2022</li> <li>▶ Prior JV with Sandfire Resources</li> </ul>
JORC Resource	▶ <b>9.1Mt @ 1.4% Cu, 0.3g/t Au, 1.6g/t Ag</b>	▶ <b>2.0Mt @ 1.3% Cu, 0.3g/t Au</b>	▶ <b>6.3Mt @ 3.4% Pb, 37.0g/t Ag, 0.4% Zn</b>
Contained Metal	▶ <b>127kt Cu, 88koz Au, 470koz Ag</b>	▶ <b>26kt Cu, 19koz Au</b>	▶ <b>7,500koz Ag, 218kt Pb, 24kt Zn</b>
Exploration & Development Potential	<ul style="list-style-type: none"> <li>▶ Mineralisation open along strike and down plunge</li> <li>▶ Excellent metallurgical recoveries of 94% Cu, 60% Au and concentrate grade of 29% Cu, 1.9g/t Au<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>▶ Only drilled to 200m vertical depth</li> <li>▶ Potential for open-pit mining as satellite ore-feed</li> </ul>	<ul style="list-style-type: none"> <li>▶ Mineralisation open down plunge to south</li> <li>▶ Open-pit mining potential</li> </ul>
Exploration Strategy	<ul style="list-style-type: none"> <li>▶ Drilling to extend mineralisation down-plunge, grow resource</li> <li>▶ Upgrade resource confidence</li> </ul>	<ul style="list-style-type: none"> <li>▶ Initial focus on high-level mining optimisation study using current resource model to determine where to focus next phase of exploration drilling</li> </ul>	<ul style="list-style-type: none"> <li>▶ Metallurgical &amp; geotechnical studies</li> </ul>

*1 As reported by OZ Minerals in 2019 from preliminary metallurgical studies*

**NOW BUSILY WORKING TO EXPAND JERICO DEPOSIT**

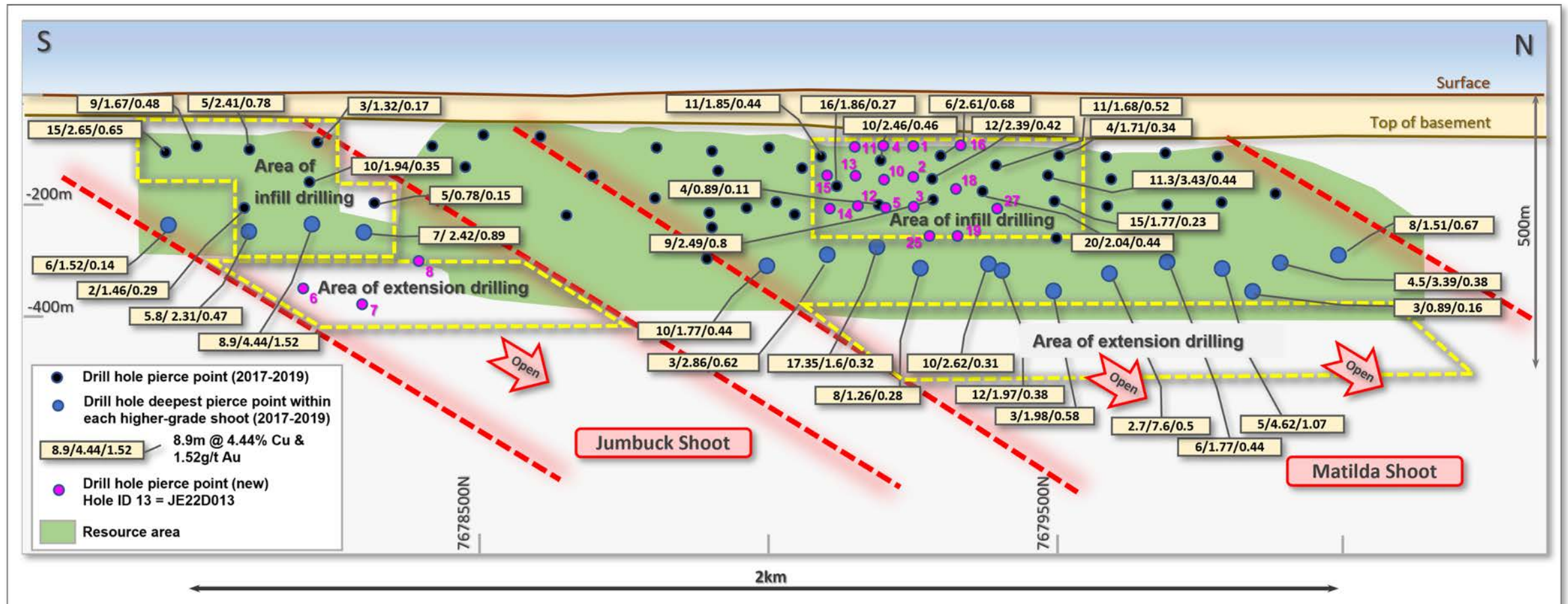
# Chimera Flagship Deposit - Jericho

- ▶ Jericho Cu-Au deposit was discovered by Demetallica's team in 2017
- ▶ Located ~3km of the Eloise Copper Mine and concentrator
- ▶ Iron Sulphide Copper Gold (ISCG) mineralisation in parallel lodes J1 and J2
  - ▶ J1 and J2 are parallel and strike up to 3.7km (both lodes open along strike and at depth)
- ▶ 2022 objective: expand Jericho resource to 13-15Mt Cu (circa 45% - 65% increase)
- ▶ **2 rigs are drilling into Jericho**
  - ▶ RC drilling 100-130m per day shift – 15 holes completed
  - ▶ Diamond rig coring ~30m per day and night shift in excellent ground conditions  
3 holes completed



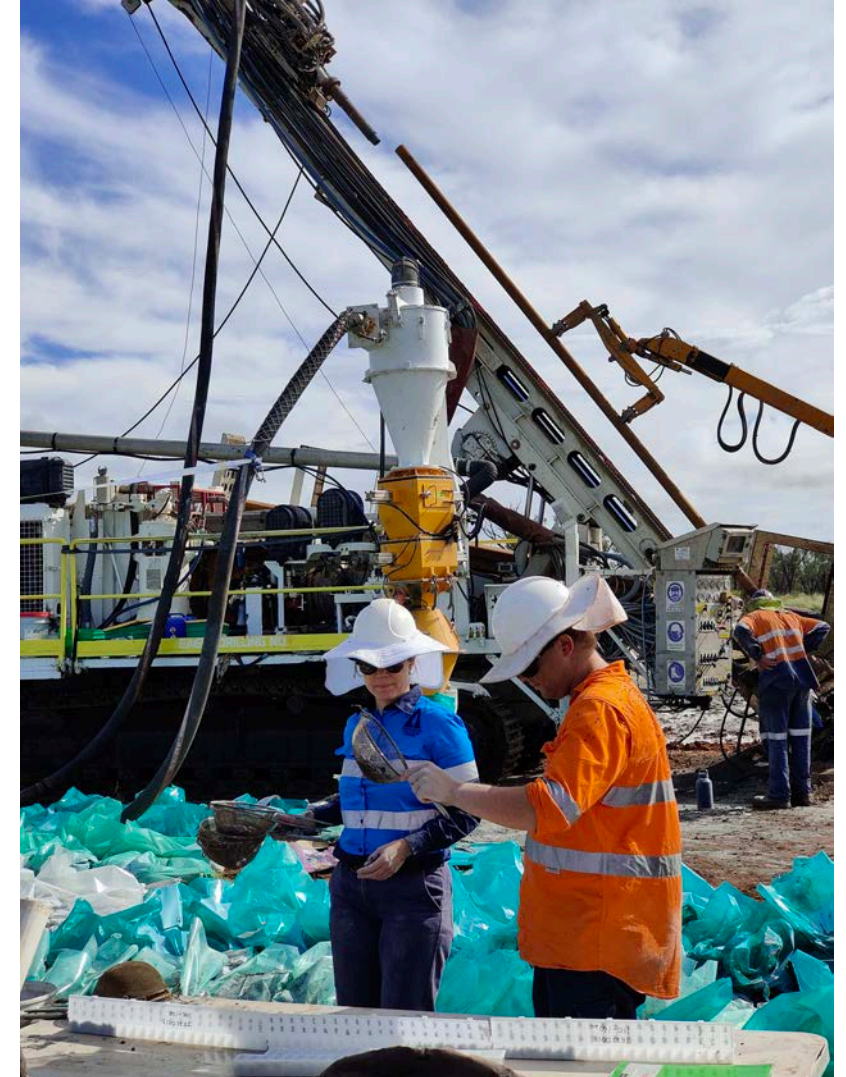
# Jericho – drilling on J1 Lode

- ▶ Higher grade at depth, with average grade at base of Matilda shoot = 2.21% Cu, 0.39g/t Au and for Jumbuck shoot = 2.85% Cu, 0.84g/t Au
- ▶ Resource extension and infill drilling underway with 2 rigs busily pursuing ~14,000m drill program





# Jericho - RC drilling on J1 Lode





# Jericho – visual observations of 16 initial RC holes

Pervasive chalcopyrite in pyrrhotite intersected by all RC infill holes, as predicted (chips from hole #11 shown here)



Assay results not yet available





# Jericho – visual observations of 3 initial diamond holes

- ▶ Diamond core shows abundant chalcopyrite in pyrrhotite from predicted locations below resource boundaries, evidencing strong potential for resource extensions (core from hole #7 shown here)

Assay results not yet available










# Delivering Value through an active Work Plan

Exploration activity is well underway and will continue throughout the year

PROJECT	ACTIVITY	Q2 2022	Q3 2022	Q4 2022
Chimera	Jericho Resource Infill Drilling	9,500m RC		
	Jericho Resource Extension Drilling	4,500m DD		
	Assay Results			
	Resource Upgrade			
Cannington	Database interrogation & New target generation			
	Geophysics Program			
Pyramid	Exploration Drilling			
	Assay Results			
Windsor	Ground Electro-magnetic Surveys			
	Exploration Drilling			
	Assay Results			
Peake & Denison	Proof of Concept Drilling	1,000m DD		
	Results compilation/JV planning			



# Demetallica – potential for Value gain is clear

PEER GROUP	LOCAL PEERS		EXPLORATION STAGE PEERS				
Company	 Carnaby	 Hammer Metals Ltd	 EAGLE MOUNTAIN MINING	 peel mining LIMITED	 CASTILE RESOURCES LTD	 demetallica	 Redbank Copper Limited
Market Capitalisation <sup>1</sup>	\$122m	\$47m	\$115m	\$119M	\$34m	\$23m	\$18m
Enterprise Value <sup>1</sup>	\$100m	\$41m	\$98m	\$92m	\$28m	\$13m	\$12m
Project	Greater Duchess	Mount Isa	Oracle Ridge	Cobar	Rover	Chimera	Redbank
Location	Cloncurry	Cloncurry	Arizona, USA	Cobar, NSW	Northern Territory	Cloncurry	Northern Territory
Stage	Exploration	Resource	Resource	Resource	Resource	Resource	Resource
Resource	Pending	31.8Mt @ 0.72% Cu & 0.28g/t Au	17Mt @ 1.48% Cu & 0.17g/t Au	9.25Mt @ 2.0% Cu & 0.29g/t Au	12.8Mt @ 0.9% Cu & 1.7g/t Au	11.1Mt @ 1.4% Cu & 0.3g/t Au	8.4Mt @ 1.1% Cu
Contained Cu Metal	NA	230kt	252kt	185kt	113kt	153kt #	89kt

DRM HAS OBVIOUS RE-RATING POTENTIAL WITH AN UPGRADE OF THE JERICHO Cu RESOURCE

1. Market capitalisations as at 6 June 2022

# Only considers DRM's copper dominant resources at the Jericho and Sandy Creek deposits within the Chimera Polymetal Project

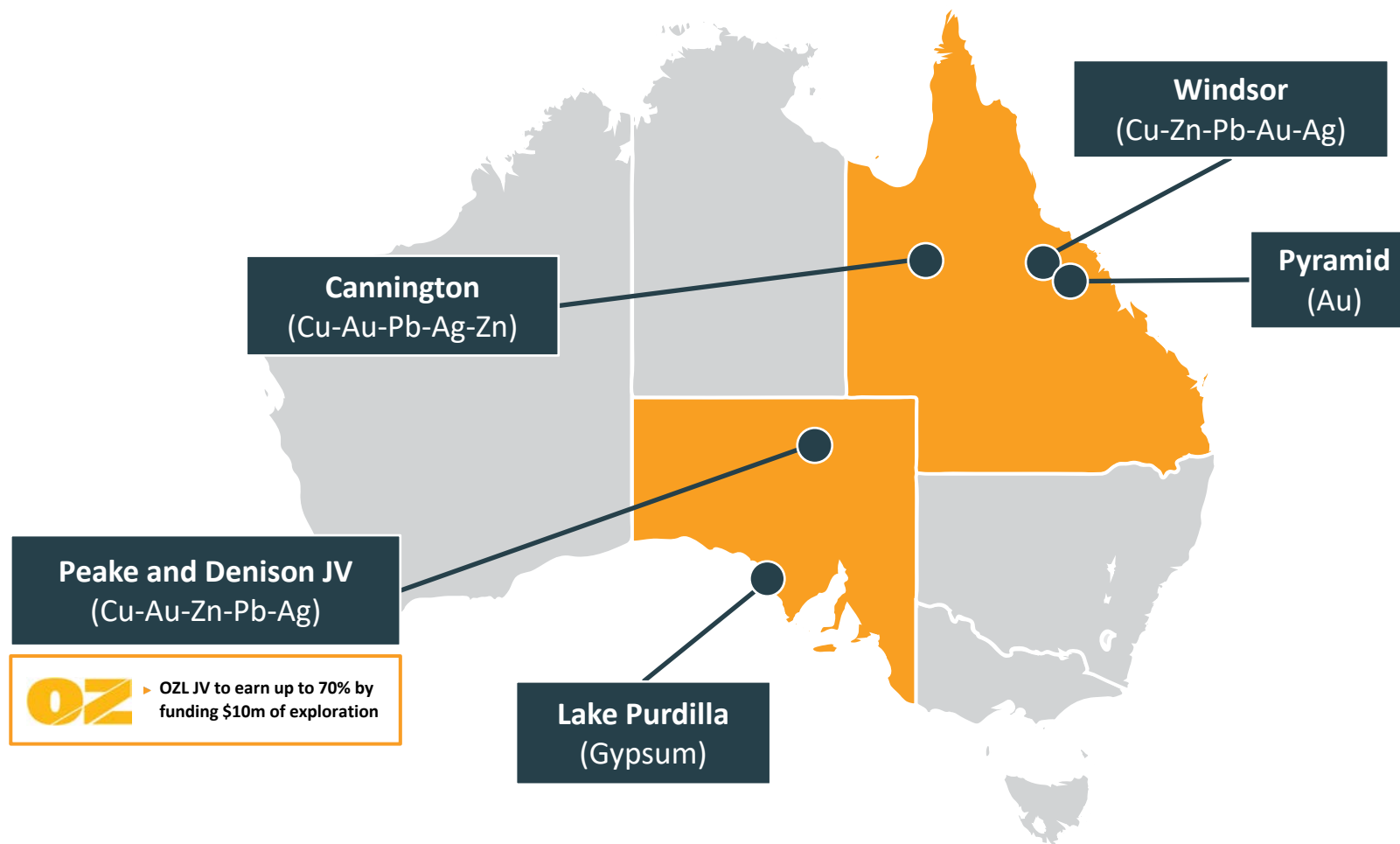


## **Appendices**

# **Supplementary Projects & JORC 2012 Information**

# Supplementary Projects – see website for details

A complementary pipeline of attractive greenfields exploration prospects



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