

# AGM PRESENTATION

MAY 2023

BUILDING AN AUSTRALIAN COPPER COMPANY



# IMPORTANT NOTICES AND DISCLAIMER



#### **IMPORTANT**: You must read the following before continuing.

This investor presentation ("Presentation") has been prepared by Cyprium Metal s Limited (ABN 48 002 678 640) ("Cyprium" or "Company").

#### **Summary information**

By reviewing or retaining these materials, or attending or participating in this Presentation, you acknowledge and represent that you have read, understood and accepted the terms of this "Important Notices and Disclaimer". This Presentation contains summary information about Cyprium, and its activities current only at the date of this Presentation. This Presentation is for information purposes only. The information in the Presentation is of a general nature only and does not purport to be complete. This Presentation should be read in conjunction with Cyprium's most recent financial report and other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange ("ASX") which are available at <a href="https://www.asx.com.au">www.asx.com.au</a> and also available on Cyprium's website at <a href="https://www.cypriummetals.com">www.cypriummetals.com</a>. Certain information in this Presentation or warranty, expressed or implied, is made as to its fairness, correctness, completeness or accuracy. Certain information in this Presentation may have been obtained from research, surveys or studies conducted by third parties or industry or general publications. Neither Cyprium nor its representatives have independently verified any such information sourced from third parties or industry or general publications.

### Not an offer

This Presentation is for information purposes and is not, and does not purport to be, a prospectus, product disclosure statement or any other offering document under Australian Securities and Investments Commission ("ASIC") or any foreign regulator). The information does not and will not constitute or form part of an offer, invitation, solicitation or recommendation in relation to the subscription, purchase or sale of securities in any jurisdiction and neither this Presentation in jurisdictions outside Australia may be restricted by law and you should observe any such restrictions.

#### Not investment or financial product advice

This Presentation does not constitute financial product, investment, legal, taxation, accounting or other advice and is not intended to be used or relied upon as the basis for making an investment decision. This Presentation is not a recommendation by Cyprium or its advisers to acquire Cyprium shares or New Shares. This Presentation has been prepared without taking into account the objectives, financial situation or needs of individuals.

Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their jurisdiction. Cyprium is not licensed to provide financial product advice in respect of Cyprium shares.

#### Effect of rounding

A number of figures, amounts, percentages, estimates, calculations of value and fractions in this Presentation are subject to the effect of rounding. Accordingly, the actual calculation of these figures may differ from the figures set out in this Presentation.

#### Past performance

Past performance information, including past share price performance of Cyprium and pro forma financial information, given in this Presentation is given for illustrative purposes only and should not be relied upon as (and is not) an indication of Cyprium's (or anyone else's) views on Cyprium's future financial performance or condition. Past performance of Cyprium cannot be relied upon as an indicator of (and provides no guidance as to) the future performance of Cyprium. Nothing contained in this Presentation, warranty or guarantee, whether as to the past, present or future.

#### **Future performance**

This Presentation contains certain "forward-looking statements" and comments about future events, including statements regarding Cyprium's intent, belief or current expectations with respect to the Company's business and operations, market conditions, results of operations and financial condition, and risk management practices. The words "likely", "expect", "aim", "should", "could", "may", "anticipate", "predict", "believe", "forward-looking statements and include statements in this Presentation regarding the conduct and the future performance of Cyprium.

Forward-looking statements are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance. Actual results, performance or achievements may differ materially from those expressed or implied in such statements and any projections and assumption on which these statements are based. These statements may assume the success of Cyprium's business strategies. The success of any of those strategies will be realised in the period for which the forward-looking statements, particularly in light of the current economic climate and the significant volatility, uncertainty and disruption caused by the COVID-19 pandemic, and except as required by law or regulation, none of Cyprium, its representatives or advisers assumes any obligation to update these forward-looking statements. No representation or warranty, express or implied, is made as to the accuracy, likelihood of achievement or reasonableness of any forecasts, prospects, returns or statements in relation to future matters contained in this Presentation. Except as required by law or regulation (including the ASX Listing Rules), none of Cyprium, its representatives or advisers undertakes any obligation to provide any additional or updated information, future events or results or otherwise. Indications of, and guidance or outlook on, future earnings or financial position or performance are also forward-looking statements.

### **CAUTIONARY STATEMENT**

### **IMPORTANT**: You must read the following before continuing.

This investor presentation ("Presentation") has been prepared by Cyprium Metals Limited (ABN 48 002 678 640) ("Cyprium" or "Company").

- The Restart Study as referred to in this ASX announcement is intended to be used for the process of financing the construction of the Project. The technical and economic study has a number of sections of study that have accuracy ranges from ± 5% to ± 20% depending on the materiality of the section. The overall accuracy of the Study is judged to be in the order of ± 10% which would enable the estimate of ore reserves. Notwithstanding that the information contained in this release is accurate in presenting the investment case determined from the Study it remains a summary and it is not possible to release to the market all the background data and studies undertaken to compile it. Further there is information omitted from this summary (and from the project.
- The project NPV and favourable economic outcome considers and includes re-treatment of and copper production from the historical heap leach material in terms of Mineral Resource classification. The tonnes and grade of the material is based on historical production reconciliation as a heap leach quantity ought to be, that is a stockpile of material less the physical metal extracted thereof.
- The open pit ore mined has been calculated and considered as applicable to be quoted as an open pit reserve including only measured and indicated resources used in the determination of the quantity and grade but under JORC 2012 are unable to quote as such as the economics are linked to the treatment of heap leach material which is outside a JORC classification as described in the point above.
- The directors of the Company consider this to be a fair and balanced summary of the study undertaken. However, given the uncertainties involved in any study of this type, and the assumptions made, investors should not make any investment decisions based solely on the results of the Restart Study and/or the summary contained herein.

# **VISION STATEMENT**











# Cyprium Vision:

"To become a significant profitable copper producer targeting 100Kt+ of copper production annually with a multi-asset strategy set to capitalise on the global electrification thematic."

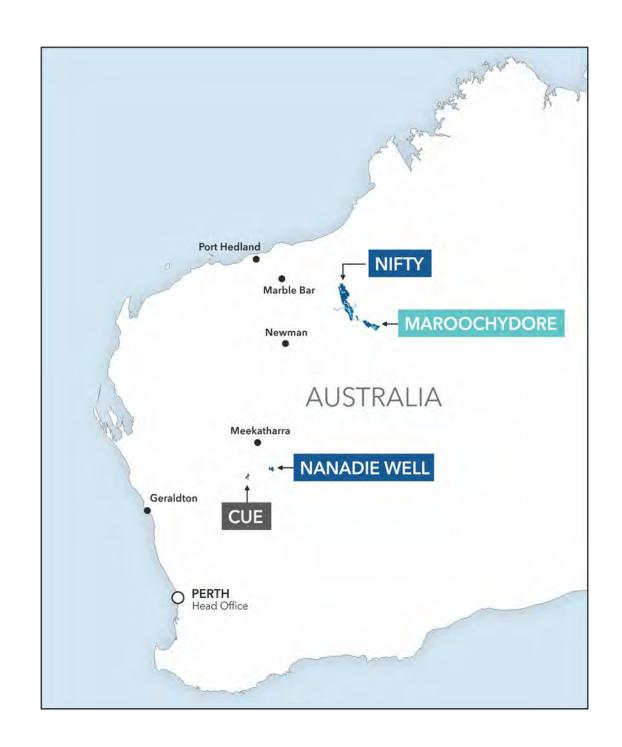
# WHO IS CYPRIUM METALS?



### **AUSTRALIAN COPPER DEVELOPER**

- Strong global copper thematic
- Attractive portfolio of 3 copper projects in Western Australia with a Mineral Resource of +1.6 million tonnes of contained copper
- Flagship project is the 100% owned brownfield Nifty Copper Project which has in place:
  - A large open cut resource with copper oxides and predominately copper sulphide ores
  - 2.8 Mtpa sulphide concentrator and SX-EW processing facilities on site
- Significant historical mine with continuous operations over a period
  >25 years
- Associated infrastructure including power, gas, water, accommodation and airstrip with sunk capital of ~\$450m
- Fully permitted to commence open pit oxide heap leach SX-EW operations<sup>1</sup>

## Located in a tier-1 mining jurisdiction



# THE NIFTY STRATEGY



Restart the Nifty operation with lower capital intensity and risk by developing a large-scale open cut mine utilising its significant sunk capital infrastructure. This will unlock Nifty's +15 year, +900Kt copper resource.

# Oxide processing within 1 year of FID

- Modernise and restart Nifty's existing SX-EW plant
- Treat oxide and re-agglomerated heaps
- Production target of 20 25Ktpa copper metal
- Oxide cashflows will assist in the development of the larger integrated operation

# **Larger Pit Development – Copper metal + Copper in concentrate**

- Within 3 years of oxide FID, copper concentrate production to commence
- Concentrator expansion from existing 2.8Mtpa to 4Mtpa
- Production target of 28 40Ktpa copper in concentrate
- Resource expansion expected as ore body is open to east and down plunge

# **NIFTY EXECUTION PLAN - INDICATIVE TIMELINE**



Month 3 Month 6 Month 12 Month 18 Month 24 Year 3 Year 4 (Year 1) (Year 1) (Year 2) (Year 1) (Year 2) Cathode **Production Execution Plan** (updated costs) Integrated **SX EW Production** Scoping Study Financing/FID Development/ Cu Metal (Oxide & Oxides Refurbishment **Target: 20 – 25Ktpa Copper Metal** Sulphide) **Production** DFS/FID Concentrator **Cu Concentrates Integrated Operation** Development/ Target: 28 – 40Ktpa (Cu Metal/ Concentrates) Construction **Cu Concentrate** 

# **BOARD OF DIRECTORS & SENIOR MANAGEMENT**













### **GARY COMB**

### Non-Executive Chairman

- Mr Comb is an engineer with over 35 years' experience in the Australian mining industry, with a strong track record in successfully commissioning and operating base metal mines.
- He was Chairman of **Finders Resources Ltd** from 2013 to 2018. Mr Comb was previously the Managing Director of Jabiru Metals Ltd and the **CEO of BGC Contracting** Pty Ltd.

### JOHN FEATHERBY

### Non-Executive Director

- Mr Featherby has extensive experience in the stockbroking and wealth management industry.
- Mr Featherby joined Hartley Poynton (now EurozHartleys) in 1987 from State Treasury, was appointed a Director in 2003 continuing through to 2018 serving as Chairman for seven years in that period.

### **BARRY CAHILL**

### Managing Director

- Mr Cahill is a mining engineer with over 35 years' experience, including management of exploration, financing, project development, commissioning and operations.
- He was the Managing **Director of Finders** Resources Ltd and previously the Operations Director at Perilya Ltd and Managing Director of Australian Mines Ltd and Norseman Gold Plc.

### **WAYNE APTED**

### CFO & Company Secretary

- Mr Apted is a chartered accountant with over 25 years' experience in the mining industry. He was the Chief Financial Officer of Finders Resources Ltd until its takeover in 2018.
- Mr Apted has previously worked in senior finance roles for Masan Resources Ltd, Glencore plc, Xstrata plc, Normandy Mining Ltd and Aurora Gold Ltd in global locations.

### **CLIVE DONNER**

### Executive

- Mr Donner is an experienced mining private equity and financing expert who has financed over 50 mines globally. He founded 2 private equity funds which focussed on emerging and mid-tier mining companies. Previously a Director of Rothschild Australia responsible for mine development financing.
- Mr Donner has been engaged by the Board to develop the assets and lead the Company's focus on all corporate and development initiatives.

### MILAN JERKOVIC

### Executive

- Mr Jerkovic career has been based around building resource companies from early stage, under-financed geological opportunities to fully engineered, built operations and capitalized companies.
- Mr Jerkovic has been engaged by the Board to build the technical team and deliver the execution of the development of Nifty.

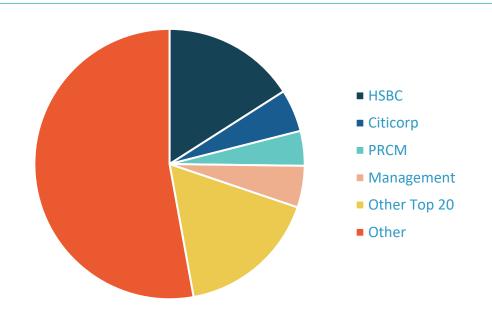
# **CORPORATE OVERVIEW**



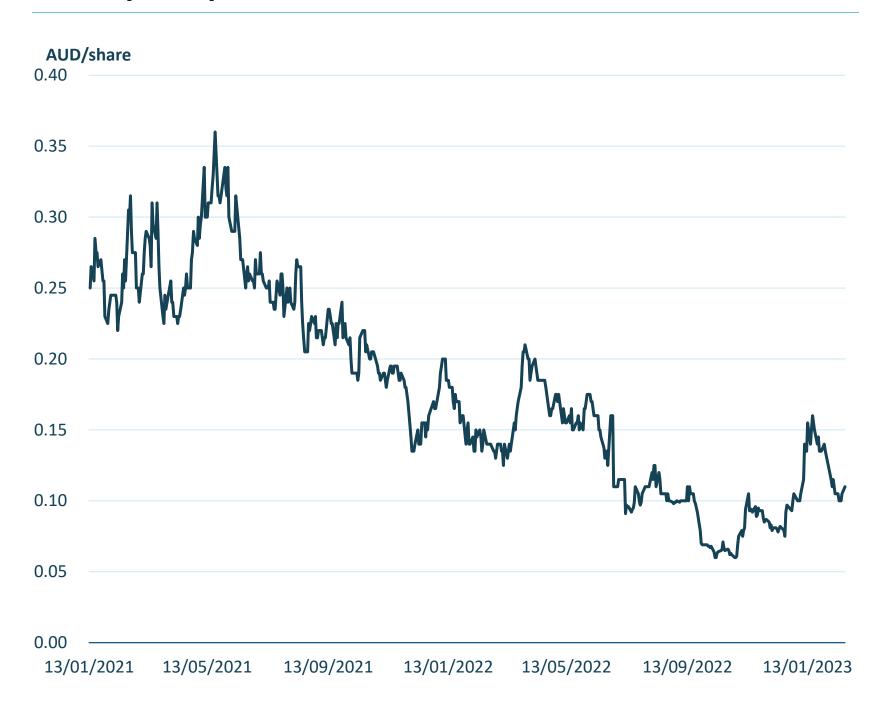
# **Corporate snapshot**

Share price (22 February 2023 – date of suspension)	AU\$ 0.11/share
Shares on Issue	730.2 million
Performance rights	50.5 million
Options	Nil
Market capitalization	AU\$ 80 million
Cash (31 March 2023)	AU\$ 5 million
Current Debt (Secured)	AU\$ 6 million
Non-Current Debt (Unsecured Convertible Note)	AU\$ 36 million
Enterprise value	AU\$ 117 million

## **Shareholders**



# **Share price performance**



# **NIFTY COPPER MINE - SITE LAYOUT**

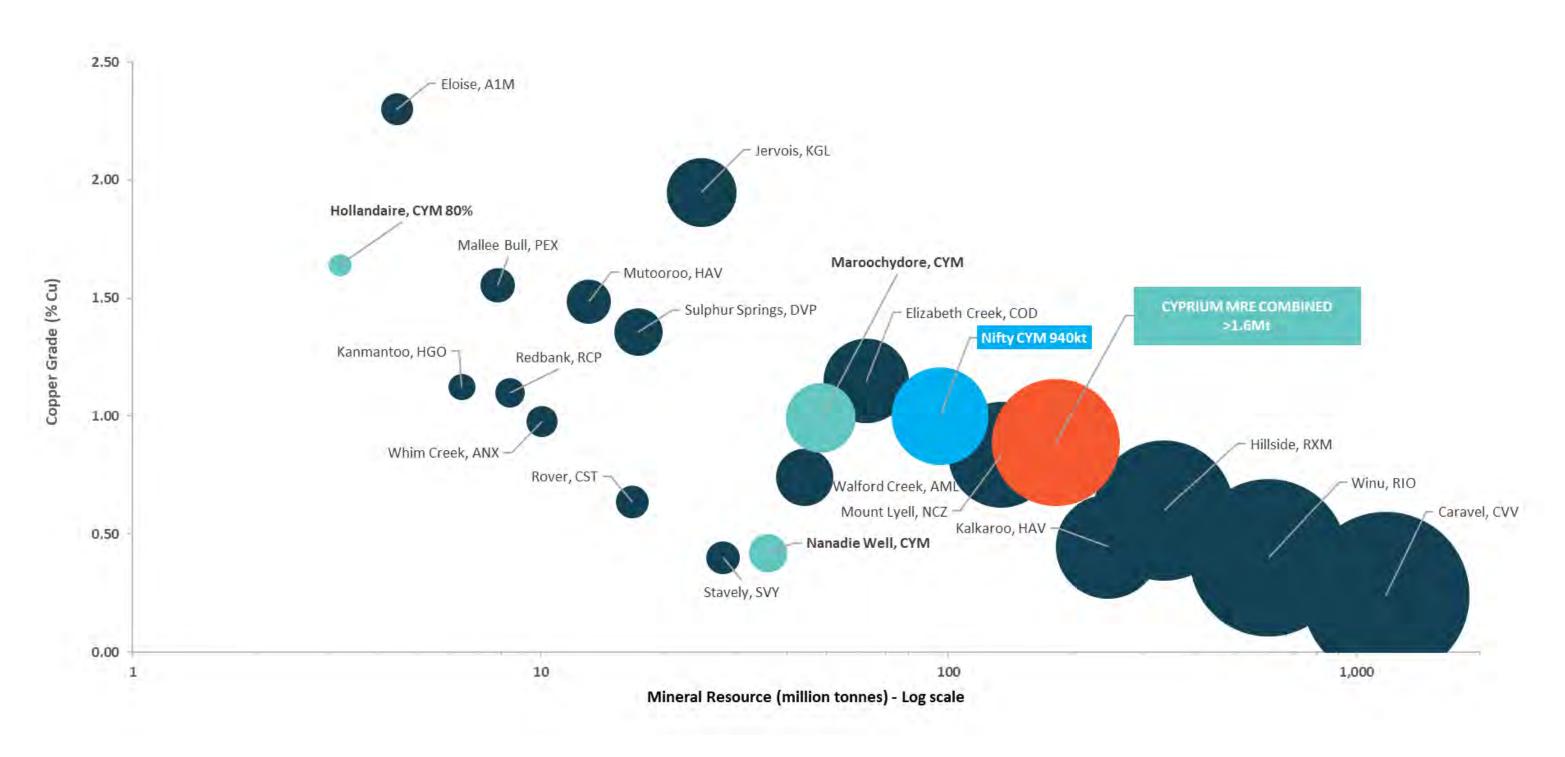




# **COPPER DEVELOPER PEER COMPARISON**



## **Contained Copper Mineral Resources in Australian Projects<sup>1</sup>**



# **BRIEF HISTORY OF NIFTY**



### **History**







 Commenced as an open pit oxide heap leach from 1993 to 2009 producing ~220,000 tonnes of copper cathode

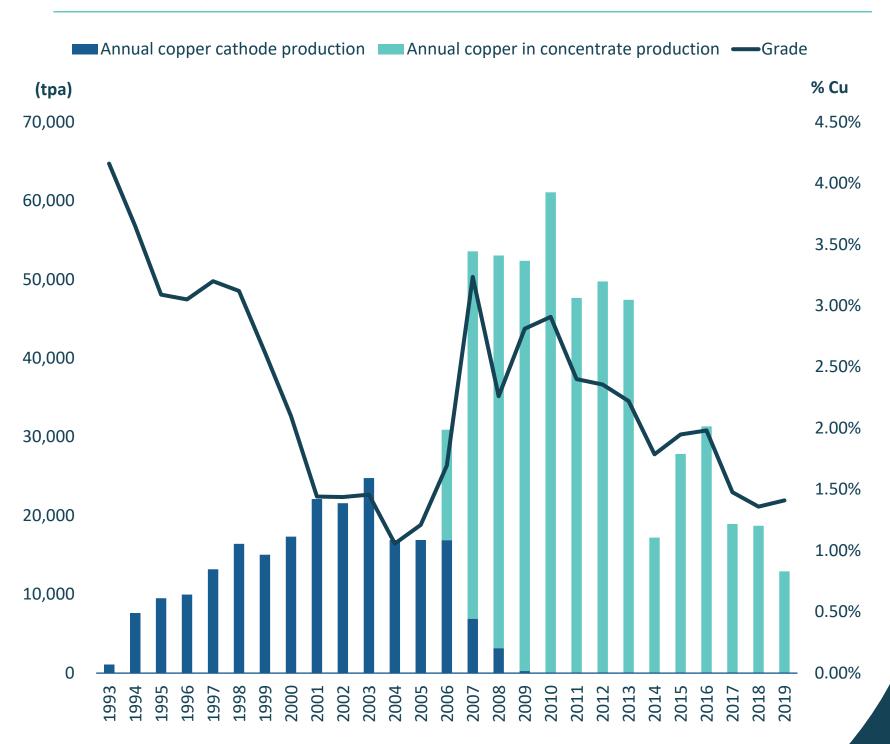


 Sulphide concentrator produced ~500,000 tonnes of contained copper in concentrate from 2006 to 2019



 Substantial operating history and data spanning over 25 years producing both copper metal and concentrate

## Historical production and copper prices

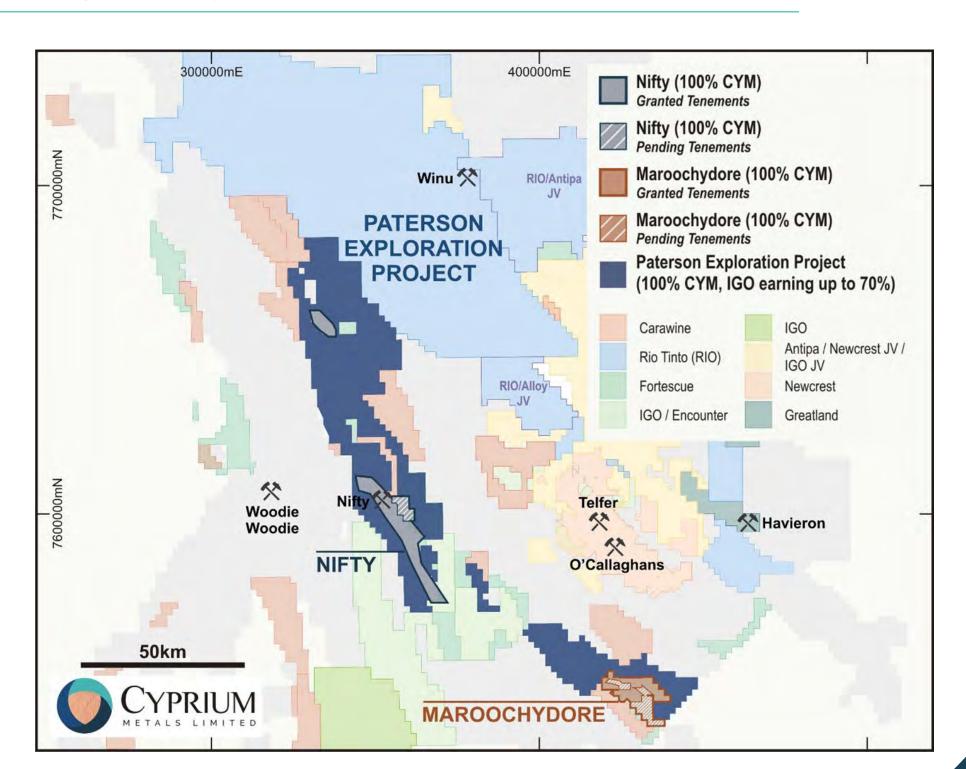


# PATERSON EXPLORATION PROJECT



Premier exploration destination in Australia - Cyprium leveraged to exploration success via JV with IGO Ltd

- Large & highly prospective position in the Paterson Province, adjacent to Nifty processing infrastructure
- IGO can sole fund AU\$32 million of exploration activities over 6.5 years to earn a 70% interest
- Including a minimum expenditure before withdrawal of AU\$11 million over 3.5 years
- Upon earning a 70% interest, the JV will form and IGO will free-carry to the completion of a Pre-feasibility Study on a new mineral discovery

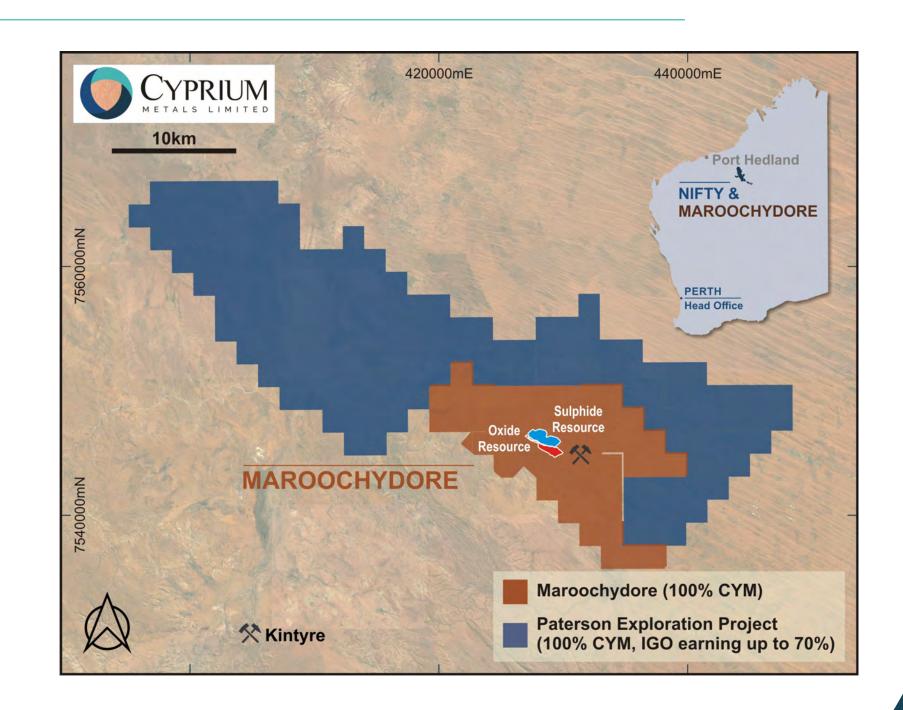


# **MAROOCHYDORE COPPER PROJECT**



### Potential to unlock value from a substantial copper resource

- Substantial shallow Oxide and Sulphide Mineral Resource of over 480,000 tonnes of copper
- Mineralisation remains open along strike >3km and down-dip
- Diamond drilling completed for metallurgical testwork
- Maroochydore has similar mineralogy of Nifty as it is hosted in the shales of the Broadhurst Formation so has potential for synergies with the Nifty Heap Leach strategy
- Existing resource also contains material cobalt endowment
- Potential for synergies with the Nifty Operation

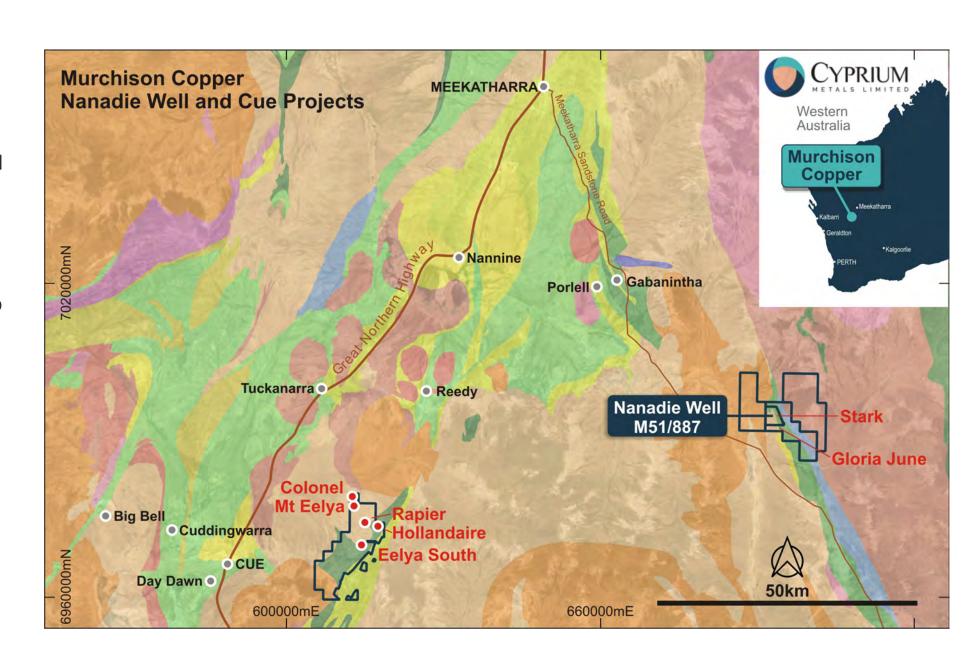


# **MURCHISON COPPER PROJECT**



## Hollandaire and Nanadie Well are complementary deposits that comprise the Murchison Copper Project

- Murchison Copper Project is a shallow resource development opportunity
- Cue Copper Project located ~20km east of Cue Township
- Hollandaire Mineral Resource (JORC 2012) 2.8Mt @ 1.9% Cu
  Contained metal of 51.5kt of Cu, 28Koz Au & 0.5Moz Ag
- Nanadie Well located ~75km ENE of Cue Copper Project
- Nanadie Well Mineral Resource (JORC 2012) 40.4Mt @ 0.4%
  Cu Contained metal of 162kt of Cu, 130Koz Au & 1.4Moz Ag
- Nanadie Well is a polymetallic deposit with Cu, Au, Ag,
  PGE's as well as other base metals including Ni
- Stark Cu-Ni mineralised intersections
- Gloria June Au mineralised intersections



# **SUMMARY**



- Strong market thematic for copper demand supply deficit
- Critical mineral for the Green transition
- MRE +1.6mt copper with exploration upside (3 projects)
- Tier 1 location copper assets with substantial endowment
- Substantial sunk capital (>\$450m) with valuable infrastructure in place: power, water, roads, air strip, camp
- Strengthened executive team to deliver execution and growth
- All permitting for the restart of the Oxide SX-EW mine in place
- Commencement of first cashflow within 18 months
- Expected production of 48Kt-60Kt per annum within 4 years from Nifty
- Nifty LOM of +15 years extracted through large open pit with two processing circuits



# **APPENDIX**



# **MINERAL RESOURCE ESTIMATES - NIFTY**



### NIFTY COPPER OPERATION - MINERAL RESOURCE ESTIMATE AT MAY 2022 2

	Cut-off		Measured	d		Indicated			Inferred		Total			
Ore Source	%Cu	Ore Mt	Grade %Cu	Metal t Cu										
Oxide	0.25	1.6	0.9	13,600	0.7	0.7	4,700	0.3	0.7	2,200	2.6	0.8	20,600	
Lower Saprolite	0.25	2.0	0.7	13,900	0.6	0.6	3,800	0.3	0.5	1,600	2.9	0.7	19,200	
Transition	0.25	0.4	0.5	1,700	0.4	0.5	1,800	0.1	0.5	600	0.9	0.5	4,200	
Chalcocite	0.25	4.9	1.1	52,300	3.0	1.0	30,200	1.8	1.0	17,800	9.8	1.0	100,300	
Total Oxide	0.25	8.8	0.9	81,500	4.7	0.9	40,500	2.6	0.9	22,300	16.1	0.9	144,300	
Sulphide	0.25	39.9	1.1	443,200	22.9	1.0	222,900	16.2	0.8	129,800	79.0	1.0	795,900	
TOTAL		48.7	1.1	524,700	27.6	1.0	263,400	18.8	0.8	152,100	95.1	1.0	940,200	

#### NOTES

- 1. Mineral Resources are reported inclusive of Mineral Resources modified to produce an Ore Reserve:
- 2. Tonnes are reported as million tonnes (Mt) and rounded to the nearest 100,000; Cu tonnes are rounded to the nearest 100 tonnes.
- 3. Rounding may result in some slight apparent discrepancies in totals

# Competent Person Statement NIFTY COPPER PROJECT

The information in this report that relates to the estimation and reporting of the Nifty Mineral Resource Estimate dated 16 May 2022 is an accurate representation of the recent work completed by CSA Global Pty Ltd. Ms. Felicity Hughes has compiled the work for CSA Global and is an Associate of CSA Global Pty Ltd and a Member of the Australasian Institute of Mining and Metallurgy (106498). Ms. Hughes has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she is undertaking to qualify as a Competent Person (CP). Ms. Hughes consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

<sup>&</sup>lt;sup>1</sup> Cyprium Metals ASX announcement: 29 September 2020, Hollandaire Copper-gold Mineral Resource Estimate.

<sup>&</sup>lt;sup>2</sup> Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

<sup>&</sup>lt;sup>3</sup> Metals X ASX announcements: 10 March 2020, Nifty Copper Mine Resource Update and 18 August 2016, Annual Update of Mineral Resources and Ore Reserves

<sup>&</sup>lt;sup>4</sup> Cyprium Metals ASX announcement: 19 July 2022, Nanadie Well Mineral Resource Estimate

# MINERAL RESOURCE ESTIMATES - MAROOCHYDORE



### MAROOCHYDORE - MINERAL RESOURCE ESTIMATE AT 31 MARCH 2016 3

Ore		Indicated			Inferred		Total			
Source	Ore	Grade	Contained	Ore	Grade	Contained	Ore	Grade	Contained	
	(Mt)	(% Cu)	(t Cu)	(Mt)	(% Cu)	(t Cu)	(Mt)	(% Cu)	(t Cu)	
Sulphide	+	-	-	5.43	1.66%	90,000	5.43	1.66%	90,000	
Oxide	40.8	0.92%	375,000	2.4	0.81%	19,000	43.2	0.91%	394,000	
Total	40.8	0.92%	375,000	7.83	1.39%	109,000	48.63	1.00%	486,000	

### NOTES

- 1. Tonnes are reported as million tonnes (Mt) and rounded to nearest 10,000;
- 2. Cu tonnes are rounded to nearest 1,000 tonnes; Co tonnes are rounded to the nearest 100 tonnes;
- 3. Cut-off Grade of 0.5% Cu (oxide);
- 4. Cut-off Grade of 1.1% Cu (sulphide);
- 5. Rounding may result in some slight apparent discrepancies in totals.

#### **Competent Person Statement**

### **MAROOCHYDORE**

The information in this report that relates to Exploration Targets, Exploration Results and the estimation and reporting of the Maroochydore Mineral Resource Estimate is an accurate representation of the available data and is based on information compiled by external consultants and Mr. Peter van Luyt who is a member of the Australian Institute of Geoscientists (2582). Mr. van Luyt is the Chief Geologist of Cyprium Metals Limited, in which he is also a shareholder. Mr. van Luyt 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 (CP). Mr. van Luyt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

<sup>&</sup>lt;sup>1</sup> Cyprium Metals ASX announcement: 29 September 2020, Hollandaire Copper-gold Mineral Resource Estimate.

<sup>&</sup>lt;sup>2</sup> Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

<sup>&</sup>lt;sup>3</sup> Metals X ASX announcements: 10 March 2020, Nifty Copper Mine Resource Update and 18 August 2016, Annual Update of Mineral Resources and Ore Reserves

<sup>&</sup>lt;sup>4</sup> Cyprium Metals ASX announcement: 19 July 2022, Nanadie Well Mineral Resource Estimate

# MINERAL RESOURCE ESTIMATES - HOLLANDAIRE / NANDIE WELL



### **HOLLANDAIRE - 2012 JORC MINERAL RESOURCE ESTIMATE 1**

Resource Category	Material type	Volume	Tonnes	Cu %	Cu Tonnes	Au g/t	Au Ounces	Ag g/t	Ag Ounces
	Oxide	5,000	10,000	1.2	100	0.09	0	4.16	1,300
Indicated	Transitional	95,000	275,000	1.8	5,000	0.24	2,100	5.06	44,700
	Fresh	638,000	1,894,000	2	37,100	0.31	18,900	6.64	404,400
Sub Total		738,000	2,179,000	2	42,200	0.3	21,000	6.43	450,400
Inferred	Transitional	4,000	12,000	0.4	0	0.02	0	0.98	400
interred	Fresh	194,000	593,000	1.6	9,300	0.41	7,800	6.46	123,200
Sub Total	Total 198,000		605,000	1.6	9,300	0.4	7,800	6.35	123,600
TOTAL		936,000	2,784,000	1.9	51,500	0.32	28,800	6.41	574,000

#### NOTES:

- Differences in sum totals of tonnages and grades may occur due to rounding
- Nominal cut-off at 0.3% Cu
- Cyprium has an 80% attributable interest in the copper, gold and silver
- Gold mineralisation not associated with the copper resource that is 100% attributable to MGV, has not been modelled or reported in the Hollandaire 2012 JORC Mineral Resource estimate

### **Competent Persons Statement**

### **HOLLANDAIRE COPPER PROJECT**

The information in this report that relates to Exploration Targets, Exploration Results and the estimation and reporting of the Hollandaire Mineral Resource Estimate is an accurate representation of the available data and is based on information compiled by external consultants and Mr. Peter van Luyt who is a member of the Australian Institute of Geoscientists (2582). Mr. van Luyt is the Chief Geologist of Cyprium Metals Limited, in which he is also a shareholder. Mr. van Luyt 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 (CP). Mr. van Luyt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

### NANADIE WELL - 2012 JORC MINERAL RESOURCE ESTIMATE 4

Resource Category	Material type	Volume	Tonnes	Grade	Metal	Grade	Metal	Grade	Metal	
nesource eategory	waterial type	Volume	Tomics	Cu %	t Cu	Au g/t	oz Au	Ag g/t	oz Ag	
	Oxide	Oxide 1,300,000		0.44	16,000	0.12	2,000	0.70	74,000	
Inferred	Transitional	200,000	200,000 600,000		3,000	0.12	13,000	1.50	31,000	
	Fresh	11,700,000	36,300,000	0.39	143,000	0.10	115,000	1.10	1,259,000	
Total		13,200,000	40,400,000	0.40	162,000	0.10	130,000	1.00	1,364,000	
				Grade	Metal	Grade	Metal	Grade	Metal	
				Co ppm	t Co	Ni ppm	t Ni	Zn ppm	Zn t	
Inferred	Oxide	1,300,000	3,500,000	70	200	350	1,200	160	600	
	Transitional	200,000	600,000	60	40	310	200	140	100	
	Fresh	11,700,000	36,300,000	50	1,900	290	10,500	160	5,800	
Total		13,200,000	40,400,000	50	2,200	290	11,900	160	6,500	

#### NOTES:

- 1. Differences in sum totals of tonnages and grades may occur due to rounding;
- Cut-off at 0.25% Cu
- 3. Reported grades and tonnages for all metals are estimated top-cut grades and tonnages

### **Competent Persons Statement**

### **NANADIE WELL COPPER GOLD PROJECT**

The information in this report that relates to Exploration Targets, Exploration Results and the estimation and reporting of the Nanadie Well Mineral Resource Estimate is an accurate representation of the available data and is based on information compiled by external consultants and Mr. Peter van Luyt who is a member of the Australian Institute of Geoscientists (2582). Mr. van Luyt is the Chief Geologist of Cyprium Metals Limited, in which he is also a shareholder. Mr. van Luyt 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 (CP). Mr. van Luyt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

#### **Competent Persons Statement**

### **MURCHISON COPPER PROJECT**

The information in this report that relates to Exploration Targets, Exploration Results and the estimation and reporting of the Hollandaire and Nanadie Well Mineral Resource Estimate is an accurate representation of the available data and is based on information compiled by external consultants and Mr. Peter van Luyt who is a member of the Australian Institute of Geoscientists (2582). Mr. van Luyt is the Chief Geologist of Cyprium Metals Limited, in which he is also a shareholder. Mr. van Luyt 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 (CP). Mr. van Luyt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

<sup>&</sup>lt;sup>1</sup> Cyprium Metals ASX announcement: 29 September 2020, Hollandaire Copper-gold Mineral Resource Estimate.

<sup>&</sup>lt;sup>2</sup> Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

<sup>&</sup>lt;sup>3</sup> Metals X ASX announcements: 10 March 2020, Nifty Copper Mine Resource Update and 18 August 2016, Annual Update of Mineral Resources and Ore Reserves

<sup>&</sup>lt;sup>4</sup> Cyprium Metals ASX announcement: 19 July 2022, Nanadie Well Mineral Resource Estimate

# **NIFTY OXIDE - CAPITAL COST ESTIMATE**



# Projected development capital expenditure (AU\$M)

- Estimated capital cost from the Nifty Copper Restart Study is ~ AU\$149M
- Maximum cash drawdown including the open pit pre-strip and working capital is AU\$193M

## **Breakdown of capital expenditure**

Capex item	AU\$M
Crushing	6.4
Agglomeration & Heap Leach Pad Construction	42.8
Power Reticulation & Infrastructure	12.3
Refurbish and Commission SX-EW Plant	36.5
Engineering, General and Supporting Infrastructure	14.9
Camp Refurbishment	4.6
Owners Cost	18.5
Contingency	13.6
Total Capital	149.3

# NIFTY COPPER PROJECT APPROVALS & LICENSES



NIFTY COPPER PROJECT APPROVALS									
Department	Permit / Item	Description	Status	Date Lodged	Approved				
Department of Water & Environmental	Works Approval and Licence	Amended Prescribed Activities Licence to enable processing	Approved	8 <sup>th</sup> March 2022	4 <sup>th</sup> August 2022				
Regulation (DWER)	26D Licence to Alter Water Abstraction Methods of an Existing Licence	Change in abstraction mechanism under the existing water license	Approved	25 <sup>th</sup> February 2022	9 <sup>th</sup> June 2022				
	Native Vegetation Clearing Permit x 2	Authorises the clearing of native vegetation for project development	Approved	14 <sup>th</sup> November 2021	25 <sup>th</sup> August 2022 6 <sup>th</sup> September 2022				
Department of Mines Industry Regulation	Mining Proposal	Approval for mining activities and construction of mine infrastructure	Approved	21 <sup>st</sup> February 2022	10 <sup>th</sup> October 2022				
& Safety (DMIRS)	Mine Closure Plan	Defines rehabilitation and closure accompanying the Mining Proposal	Approved	21 <sup>st</sup> February 2022	10 <sup>th</sup> October 2022				
	Project Management Plan	Project safety plan approval	Approved	20 <sup>th</sup> January 2022	22 <sup>nd</sup> March 2022				
Department of Jobs, Tourism, Science and Innovation (JTSI)	State Agreement – Additional Proposal	Proposal to modify, expand, or vary Nifty Copper's activities beyond the existing State Agreement approvals	To be lodged post finance						

NIFTY COPPER KEY LICENSES									
Mining/Misc. License	Description	License Expiry							
M 271SA	Nifty Copper State Agreement Mining Tenement	Sep 2034							
L 45/74	Access road from Woodie Woodie	Nov 2027							
L 45/91	Potable (10K) borefield	May 2027							
L 45/102	Process (East Nifty) borefield	Nov 2042							

NIFTY COPPER KEY LICENSES								
Mining/Misc. License	Description	License Expiry						
L 45/128	Gas pipeline	Aug 2026						
L 45/143	Gas pipeline	Aug 2026						
L 45/148	Woodie Woodie Road diversion	Jun 2027						

# **COPPER DEVELOPER PEER COMPARISON**



# **Contained Copper mineral resources in Australian projects<sup>1</sup>**

		Prima		ASX			Mineral Resource		Contained Cu		Contained			Contained
Label	Project	Commod	lityStage	Code	Operator	As of Date	Tonnes Total	Cu%	Metal M&I Tonn	s Cu%		Inferred		Cu Meta
CYPRIUM MRE COMBINED	Cyprium MRE Combine	ed					187,866,000	0.872	1,637,700 119,585,0	0 1.008	1,205,300	68,281,000	0.633	432,400
Nifty, CYM	Nifty	Copper	Restart Study completed	CYM	Cyprium Metals Limited	16-May-22	95,100,000	1.000	940,200 76,300,0	0 1.03	788,100	18,800,000	0.80	•
Maroochydore, CYM	Maroochydore	Copper	Resource definition	CYM	Cyprium Metals Limited	18-Aug-16	48,630,000	0.994	484,000 40,840,0	0 0.92	375,000	7,790,000	1.40	•
Hollandaire, CYM	Hollandaire	Copper	Prefeasibility/Scoping	CYM	Cyprium Metals Limited	29-Sep-20	3,736,000	1.416	51,500 2,445,0	0 1.78	42,200	1,291,000	0.75	9,30
Nanadie Well, CYM	Nanadie Well	Copper	Prefeasibility/Scoping	CYM	Cyprium Metals Limited	19-Jul-22	40,400,000	0.400	162,000	0.00	0	40,400,000	0.40	162,00
Caravel, CVV	Caravel	Copper	PFS completed Jul 2022	CVV	Caravel Minerals Limited	12-Jul-22	1,180,600,000	0.240	2,843,700 679,300,0	0 0.25	1,677,500	501,300,000	0.23	1,166,20
Hillside, RXM	Hillside	Copper	Updated FS completed Aug 2020	RXM	Rex Minerals Limited	20-Jul-21	337,000,000	0.600	1,967,600 223,000,0	0.58	1,283,600	114,000,000	0.60	684,00
Winu, RIO	Winu	Copper	Resource definition	RIO	Rio Tinto Group	31-Dec-21	608,000,000	0.400	2,432,000 249,000,0	0.45	1,120,500	359,000,000	0.37	1,328,30
Copper Hill, GCR	Copper Hill	Copper	Prefeasibility/Scoping	GCR	Golden Cross Resources Limited	06-Sep-22	190,000,000	0.280	520,000 132,000,0	0.30	390,000	58,000,000	0.23	130,00
Kalkaroo, HAV	Kalkaroo	Copper	PFS completed Jun 2019	HAV	OZ Minerals Limited	18-Jun-18	245,480,000	0.447	1,096,600 132,470,0	0 0.47	624,600	113,010,000	0.42	472,00
Emmie Bluff, COD	Emmie Bluff	Copper	Prefeasibility/Scoping	COD	Coda Minerals Limited	15-Dec-21	62,800,000	1.149	720,700 58,300,0	0 1.14	673,700	4,500,000	1.10	47,00
Walford Creek, AML	Walford Creek	Copper	Prefeasibility/Scoping	AML	Aeon Metals Limited	16-Mar-22	44,400,000	0.741	328,000 38,100,0	0 0.67	256,000	6,300,000	1.15	72,00
Mount Lyell, NCZ	Mount Lyell	Copper	Care & Maintenance	NCZ	New Century Resources Limited	30-Jun-22	140,500,000	0.838	1,175,000 37,400,0	0 1.04	389,000	103,000,000	0.77	786,00
Stavely, SVY	Stavely	Copper	Resource definition	SVY	Stavely Minerals Limited	14-Jun-22	28,300,000	0.750	210,013 21,500,0	0 0.61	130,635	6,800,000	1.20	79,37
Jervois, KGL	Jervois	Copper	PFS completed Dec 2020	KGL	KGL Resources Limited	14-Sep-22	23,800,000	2.024	481,180 14,240,0	0 2.26	322,210	9,560,000	1.67	158,97
Rover, CST	Rover	Copper	Prefeasibility/Scoping	CST	Castile Resources Limited	16-Sep-22	17,625,000	0.638	112,700 12,408,0	0 0.67	83,400	5,217,000	0.56	29,30
Stockman, AIS	Stockman	Copper	Optimised FS completed Nov 2014	AIS	Aeris Resources Limited	31-Jan-22	14,838,000	1.990	296,000 12,400,0	0 2.05	253,000	2,437,000	1.73	43,00
Sulphur Springs, DVP	Sulphur Springs	Copper	DFS completed Oct 2018	DVP	Develop Global Limited	31-Aug-22	17,310,000	1.038	179,750 14,610,0	0 1.15	170,250	2,701,000	0.34	9,50
Whim Creek, ANX	Whim Creek	Copper	Updated SS completed Jan 2022	ANX	Anax Metals Limited	12-Sep-22	10,950,000	1.059	117,000 8,680,0		99,010	2,270,000	0.76	17,99
Mount Isa projects, HMX	Mount Isa projects	Copper	Prefeasibility/Scoping	нмх	Hammer Metals Limited	27-Sep-16	22,072,000	0.655	144,816 7,353,0		37,514	14,719,000	0.730	107,30
Mutooroo, HAV	Mutooroo	Copper	Prefeasibility/Scoping	HAV	Havilah Resources Limited	05-Jun-20	13,127,959	1.486	195,000 6,444,6		80,100	6,683,349	1.71	114,90
Kanmantoo, HGO	Kanmantoo	Copper	Redevelopment	HGO	Hillgrove Resources Limited	26-Jul-22	6,895,000	1.080	75,900 5,195,0		60,900	1,700,000	1.00	
Mount Cannindah, CAE	Mount Cannindah	Copper	Resource definition	CAE	Cannindah Resources Limited	27-Oct-11	5,500,000	0.920	50,600 4,400,0		40,260	1,100,000	0.94	10,34
Horseshoe Lights, HOR	Horseshoe Lights	Copper	Prefeasibility/Scoping	HOR	Horseshoe Metals Limited	30-Jun-18	14,514,400	0.951	138,050 4,160,0		41,200	10,354,400	0.94	96,85
Koonenberry, ODM	Koonenberry	Copper	Resource definition	ODM	Odin Metals Limited	18-Dec-09	5,753,343	1.031	60,000 3,022,0		35,000	2,731,312	0.90	
Whundo, GRE	Whundo	Copper	Resource definition	GRE	GreenTech Metals Limited	11-May-22	3,565,000	1.181	42,174 2,649,0		30,266	916,000	1.30	
North Qld, AIS	North Qld	Copper	Prefeasibility/Scoping	AIS	Aeris Resources Limited	30-Jun-22	3,386,000	2.465	83,000 2,307,0		59,000	1,079,000	2.21	
Develin Creek, ZNC	Develin Creek	Copper	Resource definition	ZNC	Zenith Minerals Limited	08-Aug-22	4,870,000	1.180	57,000 2,200,0		28,000	2,680,000	1.08	
Mallee Bull, PEX	Mallee Bull	Copper	Prefeasibility/Scoping	PEX	Peel Mining Limited	31-Mar-21	6,760,000	1.800	119,000 1,340,0		12,000	5,420,000	2.00	
Collerina, HLX	Collerina	Copper	Resource definition	HLX	Helix Resources Limited	11-Jun-19	2,030,000	2.010	40,400 1,000,0		23,700	1,030,000	1.65	
Wirlong, PEX	Wirlong	Copper	Resource definition		Peel Mining Limited	29-Nov-21	2,450,000	2.400	57,900 860,0		19,800	1,590,000	2.40	
Arunta, EMS	Arunta	Copper	Prefeasibility/Scoping		Eastern Metals Limited	29-Jul-14	2,500,000	1.800	45,200 464,0		13,200	2,036,000	1.60	•
Ararat, SVY	Ararat	Copper	Prefeasibility/Scoping		Stavely Minerals Limited	30-Sep-21	1,320,000	2.000	26,400 250,0		5,500	1,070,000	1.90	
Briggs, ALM	Briggs	Copper	Resource definition		Alma Metals Limited	10-Jun-20	142,800,000	0.290	414,000	0 0.00		142,800,000	0.29	
Bundarra, DEX	Bundarra	Copper	Prefeasibility/Scoping		Duke Exploration Limited	25-Jun-21	16,000,000	0.500	78,000	0.00	0		0.50	
Jericho, DRM	Jericho		Prefeasibility/Scoping		Demetallica Limited	30-May-22	9,100,000	1.400	130,000	0.00	0	9,100,000	1.400	
Forrest, AUR	Forrest	Copper	Resource definition		Auris Minerals Limited	30-May-22 30-Jun-20	2,402,000	1.757	41,500	0 0.00	0		1.76	
		Copper												
Kapunda, TZN	Kapunda	Copper	Resource definition		Terramin Australia Limited	12-Feb-18	47,400,000	0.250	119,000	0.00	0	, ,	0.25	
Moonta, ADN	Moonta	Copper	Resource definition		Andromeda Metals Limited	15-Aug-19	66,100,000	0.171	114,000	0.00	0	, ,	0.17	
Redbank, NTM	Redbank	Copper	Resource definition		NT Minerals Limited	24-Jun-21	8,397,200	1.100	88,600	0.00	0	8,397,200	1.10	
Tottenham, LKY	Tottenham	Copper	Resource definition		Locksley Resources Limited	01-Apr-22	9,860,000	0.720	71,000	0.00	0	9,860,000	0.72	
Yeoval, GRL	Yeoval	Copper	Resource definition	GRL	Godolphin Resources Limited	15-Aug-19	12,800,000	0.380	48,500	0.00	0	12,800,000	0.38	48,50

<sup>1.</sup> Australian based Development Projects only

Sources: CYM website: Analyst and Research Reports:

<sup>6</sup> June 2022, Evolution Capital - Right Plan, Right Team, Right Time for Nifty (update) S&P Global, Company reports, announcements and presentations

# **COPPER DEVELOPER PEER COMPARISON**



# **Contained Copper mineral resources in Australian projects<sup>1</sup>**

		Prima	ary	ASX				
Label	Project	Commod	ity Stage	Code Operator	Date	SOURCE	Page	Link
Caravel, CVV	Caravel	Copper	PFS completed Jul 2022	CVV Caravel Minerals Limited	12-Jul-22	PFS results	12	https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02541227-6A1099358?access_token=83ff96335c2d45a094df02a206a39ff4
Hillside, RXM	Hillside	Copper	Updated FS completed Aug 2020	RXM Rex Minerals Limited	25-May-15	ASX Release	2	https://static1.squarespace.com/static/5dcb886c7d6813437e9216a8/t/5dd616ff41a56d7f7651b1d5/1574311684370/20150525_Mineral+Resources+and+Ore+Reserves_Hillside_Statement+and+Table+1.pdf
Winu, RIO	Winu	Copper	Resource definition	RIO Rio Tinto Group	23-Feb-22	ASX Release	2	https://www.riotinto.com/-/media/Content/Documents/Invest/Reserves-and-resources/2021/RT-Winu-reserves-resources-2021.pdf?rev=f5f9153801904622b652035860d015b4
Copper Hill, GCR	Copper Hill	Copper	Prefeasibility/Scoping	GCR Golden Cross Resources Limited	06-Sep-22	ASX Release	3	http://www.goldencross.com.au/download/substantial-increase-in-mineral-resource-estimate-mre-at-copper-hill/?wpdmdl=6014&refresh=634a2294e7eb71665802900
Kalkaroo, HAV	Kalkaroo	Copper	PFS completed Jun 2019	HAV OZ Minerals Limited	29-Mar-17	ASX Release	2	https://www.asx.com.au/asxpdf/20170329/pdf/43h3xt0nzpytgs.pdf
Emmie Bluff, COD	Emmie Bluff	Copper	Prefeasibility/Scoping	COD Coda Minerals Limited	15-Dec-21	ASX Release	2	https://www.codaminerals.com/wp-content/uploads/2021/12/20211220_Coda_ASX-ANN_Standout-43Mt-Maiden-Cu-Co-Resource-at-Emmie-Bluff_RELEASE.pdf
Walford Creek, AML	Walford Creek	Copper	Prefeasibility/Scoping	AML Aeon Metals Limited	16-Mar-22	ASX Release	3	https://www.aeonmetals.com.au/wp-content/uploads/2022/03/2022-Mar-16-Walford-Creek-Resource-Upgrade.pdf
Mount Lyell, NCZ	Mount Lyell	Copper	Care & Maintenance	NCZ New Century Resources Limited	29-Aug-22	2022 Annual Report	33	https://d2loe5zrlfehgw.cloudfront.net/files/New-Century-Resources-2022-Annual-Report.pdf
Stavely, SVY	Stavely	Copper	Resource definition	SVY Stavely Minerals Limited	14-Jun-22	ASX Release	3	https://www.stavely.com.au/_files/ugd/18fadc_e146b458bdcd4ff3bf0b684db63ea10a.pdf
Jervois, KGL	Jervois	Copper	PFS completed Dec 2020	KGL KGL Resources Limited	22-Sep-22	ASX Release	9	https://www.kglresources.com.au/announcements
Rover, CST	Rover	Copper	Prefeasibility/Scoping	CST Castile Resources Limited	16-Sep-22	ASX Release	1	https://www.castile.com.au/wp-content/uploads/2022/09/61109898.pdf
Stockman, AIS	Stockman	Copper	Optimised FS completed Nov 201	14 AIS Aeris Resources Limited	20-Sep-21	ASX Release	2	https://clients3.weblink.com.au/pdf/AIS/02569972.pdf
Sulphur Springs, DVP	Sulphur Springs	Copper	DFS completed Oct 2018	DVP Develop Global Limited	06-Sep-22	ASX Release	2	https://wcsecure.weblink.com.au/pdf/DVP/02564387.pdf
Whim Creek, ANX	Whim Creek	Copper	Updated SS completed Jan 2022	ANX Anax Metals Limited	12-Sep-22	ASX Release	7	https://anaxmetals.com.au/wp-content/uploads/2022/09/2435375.pdf
Mount Isa projects, HMX	Mount Isa projects	Copper	Prefeasibility/Scoping	HMX Hammer Metals Limited	29-Oct-21	2021 Annual Report	38	https://www.investi.com.au/api/announcements/hmx/03b4457c-f08.pdf
Mutooroo, HAV	Mutooroo	Copper	Prefeasibility/Scoping	HAV Havilah Resources Limited	5-Jun-20	ASX Release	1	https://www.havilah-resources-projects.com/_files/ugd/6c8cd0_a185cea3db6844ae933c981042a02482.pdf
Kanmantoo, HGO	Kanmantoo	Copper	Redevelopment	HGO Hillgrove Resources Limited	26-Jul-22	ASX Release	2	https://www.hillgroveresources.com.au/uploads/downloads/429/2410185.pdf
Mount Cannindah, CAE	Mount Cannindah	Copper	Resource definition	CAE Cannindah Resources Limited	4-Oct-22	2022 Annual Report	42	https://app.sharelinktechnologies.com/announcement/asx/166307bc31c44eec19d1d0e45b27fd6a
Horseshoe Lights, HOR	Horseshoe Lights	Copper	Prefeasibility/Scoping	HOR Horseshoe Metals Limited	29-Mar-19	2018 Annual Report	54	https://horseshoemetals.com.au/wp-content/uploads/2019/04/HOR-2018-Annual-Report-Final.pdf
Koonenberry, ODM	Koonenberry	Copper	Resource definition	ODM Odin Metals Limited	May-22	Corporate Presentat	ic 11	https://wcsecure.weblink.com.au/pdf/ODM/02525241.pdf
Whundo, GRE	Whundo	Copper	Resource definition	GRE GreenTech Metals Limited	11-May-22	ASX Release	2	https://app.sharelinktechnologies.com/announcement/asx/81161668556eec19f073d774df377013
North Qld, AIS	North Qld	Copper	Prefeasibility/Scoping	AIS Aeris Resources Limited	20-Sep-21	ASX Release	2	https://clients3.weblink.com.au/pdf/AIS/02569972.pdf
Develin Creek, ZNC	Develin Creek	Copper	Resource definition	ZNC Zenith Minerals Limited	08-Aug-22	ASX Release	12	https://wcsecure.weblink.com.au/pdf/ZNC/02550691.pdf
Mallee Bull, PEX	Mallee Bull	Copper	Prefeasibility/Scoping	PEX Peel Mining Limited	21-Sep-22	2022 Annual Report	17	https://wcsecure.weblink.com.au/pdf/PEX/02570658.pdf
Collerina, HLX	Collerina	Copper	Resource definition	HLX Helix Resources Limited	11-Jun-19	ASX Release	5	https://wcsecure.weblink.com.au/pdf/HLX/02112948.pdf
Wirlong, PEX	Wirlong	Copper	Resource definition	PEX Peel Mining Limited	29-Nov-21	ASX Release	1	https://wcsecure.weblink.com.au/pdf/PEX/02458867.pdf
Arunta, EMS	Arunta	Copper	Prefeasibility/Scoping	EMS Eastern Metals Limited	29-Jul-14	ASX Release	1	https://easternmetals.com.au/projects/arunta/
Ararat, SVY	Ararat	Copper	Prefeasibility/Scoping	SVY Stavely Minerals Limited	14-Sep-21	2021 Annual Report	13	https://www.stavely.com.au/_files/ugd/18fadc_ea04532f4a8e4843b2cbc4cd87ac0ff2.pdf
Briggs, ALM	Briggs	Copper	Resource definition	ALM Alma Metals Limited	3-Oct-22	2022 Annual Report	12	https://app.sharelinktechnologies.com/announcement/asx/6f48b489f5b7996d5396f3dbcf4f3039
Bundarra, DEX	Bundarra	Copper	Prefeasibility/Scoping	DEX Duke Exploration Limited	29-Jun-21	ASX Release	1	https://www.duke-exploration.com.au/site/pdf/334589f4-f167-4f68-94ef-2fa3d712b8ca/Mt-Flora-Maiden-Inferred-Mineral-Resource.pdf
Jericho, DRM	Jericho	Copper	Prefeasibility/Scoping	DRM Demetallica Limited	13-Oct-22	Target Statement	24	https://demetallica.com.au/wp-content/uploads/2022/10/Targets-Statement-Demetallica-FINAL.pdf
Forrest, AUR	Forrest	Copper	Resource definition	AUR Auris Minerals Limited	2-Jul-20	ASX Release	1	https://app.sharelinktechnologies.com/announcement/asx/ff3424ef02216dc6568085a9379e4806
Kapunda, TZN	Kapunda	Copper	Resource definition	TZN Terramin Australia Limited	12-Feb-18	ASX Release	1	https://www.terramin.com.au/wp-content/uploads/2018/02/12.02.2018-Kapunda-Resource-Announcement.pdf
Moonta, ADN	Moonta	Copper	Resource definition	ADN Andromeda Metals Limited	15-Aug-19	Press Release	3	Thor Mining Plc
Redbank, NTM	Redbank	Copper	Resource definition	NTM NT Minerals Limited	24-Jun-21	ASX Release	1	https://wcsecure.weblink.com.au/pdf/RCP/02387546.pdf
Tottenham, LKY	Tottenham	Copper	Resource definition	LKY Locksley Resources Limited	1-Apr-22	ASX Release	2	http://www.locksleyresources.com.au/wp-content/uploads/2022/03/LKY_9.86Mt_Resource_Defined_at_The_Tottenham_Project.pdf
Yeoval, GRL	Yeoval	Copper	Resource definition	GRL Godolphin Resources Limited	16-Dec-19	Prospectus	29	https://godolphinresources.com.au/downloads/announcements/grl_2019121603.pdf



# **THANKYOU**

### Contact Us

Registered Office & Principal Place of Business

Level 1 437 Roberts Road Subiaco WA 6008 Australia

Telephone +61 8 6374 1550

www.cypriummetals.com

