

BUILDING AN AUSTRALIAN COPPER COMPANY



Noosa Mining Presentation

July 2022
ASX: CYM



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Restart Study

The Restart Study as referred to in this ASX announcement is intended to be used for the process of financing the construction of the Nifty Copper Project by outlining the technical, commercial and profit potential aspects of the Project. The technical and economic study has a number of sections of study that have accuracy ranges from $\pm 5\%$ to $\pm 20\%$ depending on the materiality of the section. The overall accuracy of the Study is judged to be in the order of $\pm 10\%$ 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 background data) that directly relates to Cyprium's intellectual property in the project.

The project NPV and favourable economic outcome considers and includes re-treatment of and copper production from the historical heap leach material, however the 2012 JORC Code is unable to be applied to accommodate the existing 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.

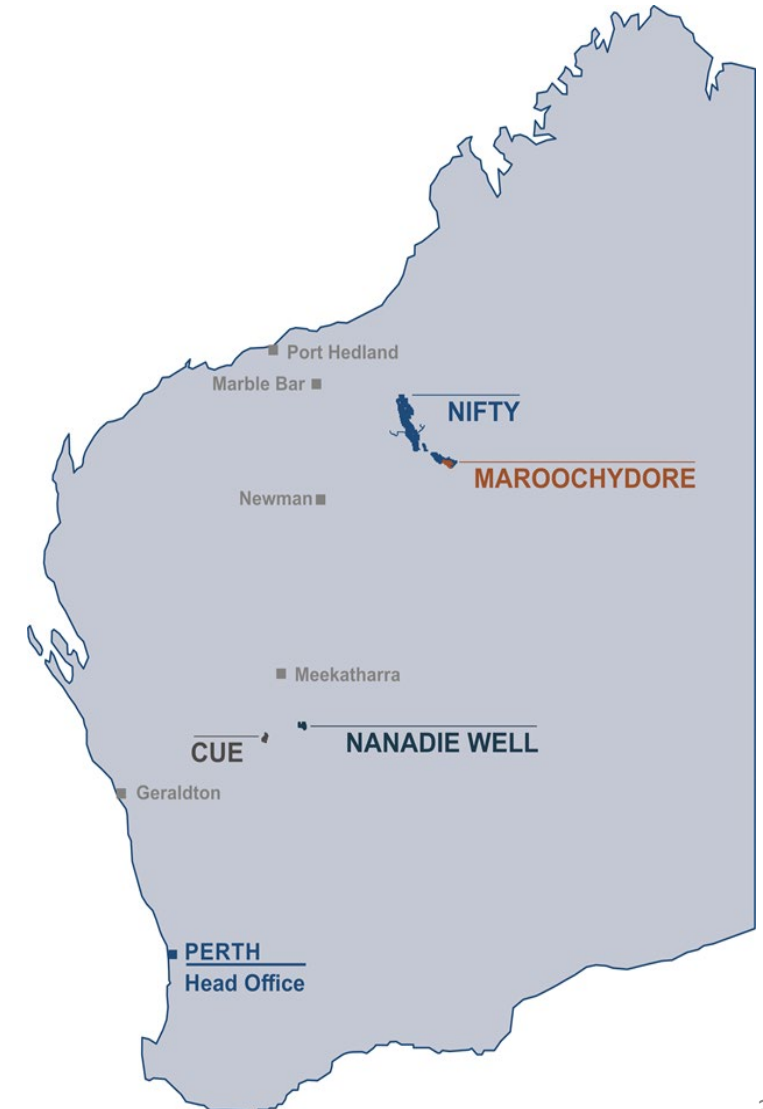
The directors of the Company consider this to be a fair and balanced summary of the study undertaken. However, given the uncertainties involved in any study of this type, and the assumptions made, investors should not make any investment decisions based solely on the results of the Restart Study and/or the summary contained herein.

Cyprium Investment Overview



Cyprium Metals – Building an Australian Copper Company

	ASX listed, West Australian focused copper developer and explorer
	Restart Study for Nifty Copper Project - heap leach operation targeting H1 2023 commissioning
	Portfolio of development opportunities with over +1.6Mt ¹ of contained copper in Mineral Resources
	Material exploration upside with large landholding in the Paterson Province & farm-in with IGO Ltd
	Highly credentialled Board and Management team focussed on creating shareholder value
	Multi-asset strategy set to capitalise on global electrification thematic
	A\$50M Secured Offtake Prepayment Facility for Nifty Copper Project with Glencore International AG Recently completed \$16M placement and undertaking \$10M entitlement issue ²



¹ Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal, 10 February 2021 - Transformational Acquisition of Highly Attractive Copper Portfolio, 29 September 2020- Holladaire Copper-Gold Mineral Resources Estimate & 19 July 2022 - Nanadie Well Mineral Resource Estimate

² Refer ASX announcement 30 June 2022

Corporate Overview



Focused on building a mid-tier Australian copper mining business

- Cyprium Metals (ASX:CYM) is an Australian copper developer and explorer
- Owns a portfolio of near-term development projects located in Western Australia
- Focussed on the near-term development of Nifty open pit heap leach copper strategy to produce LME grade A copper cathode on site
- Highly credentialed board and management team
 - Led by experienced mining executives Barry Cahill and Gary Comb

Capital Structure (post Placement, excluding Entitlement Offer)

	Securities	A\$M
Ordinary shares	703,949,649	
Performance rights ¹	57,000,000	
Unlisted options (ex \$0.30 cents, expiring 11 Dec 2022)	6,000,000	
Unlisted options (ex \$0.3551 cents, expiring 30 March 2023)	20,274,755	
Ordinary shares	703,949,649	
Market Capitalisation (A\$0.115) ²		A\$81.0M

Share Price Performance (as of 12/07/2022)



Notes

¹ Unvested Director and employee performance rights issued at a nil exercise price and subject to performance-based vesting conditions.

² Placement and Entitlements Issue Share Price

Nifty Copper Project Restart Study Summary



Restart Study – 25,000 tpa copper cathode operation including heap leach retreat and oxide open pit

All amounts in AUD unless otherwise stated

- 146,100 tonnes copper plate produced during Phase 1 oxide pit 6.3 year life
- Free cashflow of \$544M
- C1 Costs at USD1.91/lb, C3 at USD2.82/lb
- Revenue at USD9,000 and \$0.75 FX(AUD:USD)
- Pre production capital \$149M and max cash drawdown of \$193M
- NPV (7%) \$277M with an IRR of 37% with 3.0 years payback
- Phase 1 oxide pit only consumes ~10% of the Mineral Resource Estimate¹
- Total mined and stacked^{2,3} – 25.9Mt @ 0.65% copper
- Copper Recovery for Heap Leach Retreat at 85% and for Oxide Ore at 90%



¹ Cyprium ASX announcement: 17 November 2021 – Updated Nifty Copper Mineral Resource Estimate

² Mined and stacked includes Heap Leach material of 17.1Mt @ 0.5% copper and Open Pit Oxide M&I Resource of 8.8Mt @ 0.9% copper

³ The project NPV and favourable economic outcome considers and includes re-treatment of and copper production from the historical heap leach material, however the 2012 JORC Code is unable to be applied to accommodate the existing 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.

Nifty Copper Mine Site Layout



Site Infrastructure



Nifty generates its own power from a gas fired captive General Electric 21MW power plant.

Nifty also has on standby two 2.5MW gas / diesel turbine generator sets, two 2MW diesel generator sets and two 1MW diesel generator sets.



The Nifty pipeline is a transmission pipeline owned by Energy Infrastructure Investments (owned by APA 19.9%, Marubini 49.9% and Osaka Gas 30.2%).

The Nifty pipeline is 45km in length and connects Nifty to the Telfer Gas Pipeline which supplies natural gas to Nifty.



Nifty has 500 accommodation rooms (40 decommissioned) and recreational facilities including wet mess, games room, AV room, gym, tennis/basketball courts and a swimming pool.

The camp is currently being refurbished and upgraded to a suitable standard prior to the commencement of operations.



The 25,000tpa SX-EW Plant has been on care & maintenance since 2009. A full refurbishment of the SX-EW plant will be undertaken as part of the Nifty restart.



Nifty has a fully sealed 2.1km airstrip that is capable of landing commercial passenger jets (up to 100 seat Fokker F100 aircraft).

The airport also has an airport terminal building with waiting room, baggage x-ray machines, check-in facilities, and toilet and kitchen area.



Nifty has three sources of groundwater extraction:

- Primary production via mine dewatering
- Make-up production from the East Nifty Borefield
- Abstraction for village drinking water from the 10K Borefield



A concrete batch plant was commissioned in early 2018. The plant is capable of 80m³ of general use concrete per hour. The plant will be used in the operational restart and construction phase for the concrete demand from these activities.



A 2.8 Mtpa sulphide concentrator commissioned in early 2006. Concentrator was placed in care and maintenance in November 2019.

Advances since the Study

Restart Study – 25,000 tpa copper cathode operation including heap leach retreat and oxide open pit

All amounts in AUD unless otherwise stated

- MRE with Nifty West drilling completed¹ - Inventory upgraded by 28.4%
- Nifty is the 6th largest copper development project in Australia - ranked by copper metal, at the highest grade of the top group
- Assessment of the Phase 1 design with the increased oxide inventory is continuing
- Nifty East drilling yet to be included
- Mineralisation remains open to the southeast and west
- Metallurgy continues with good results in Stage 2 – reagent consumption rate optimisation
- Site refurbishment continuing
- Government approvals have started to be received
- Finance process well advanced

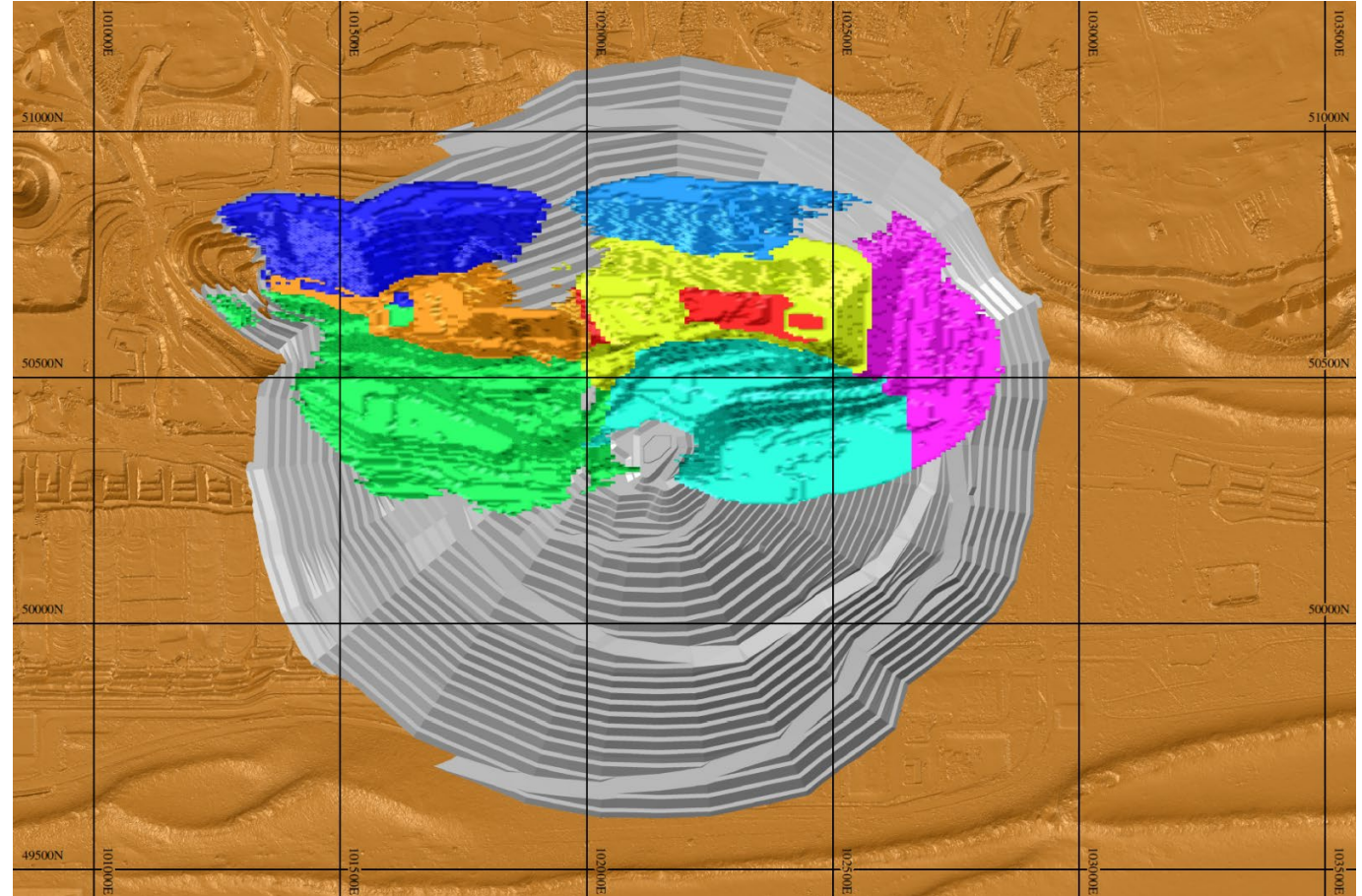


¹ Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

Oxide Open Pit with Conceptual LOM

Oxide Open Pit Stages of Mining within conceptual LOM Pit

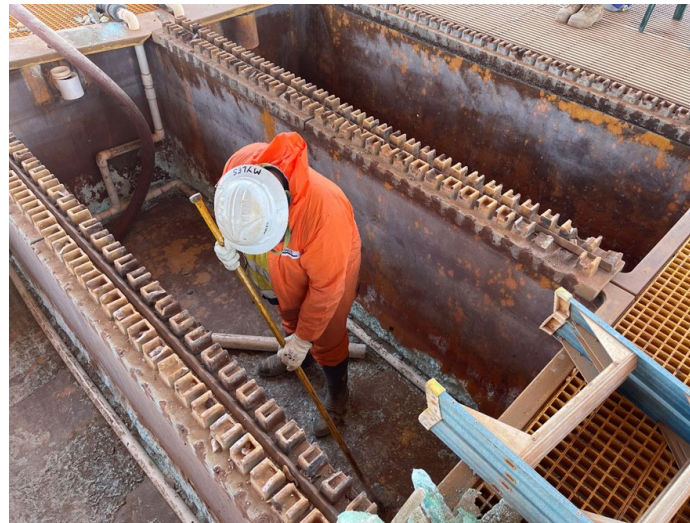
- Commenced LOM study
- Advancing design optimisation and metallurgy
- Sulphide resource¹ 79.0Mt at 1.0% copper
- Sulphide metallurgical work has commenced
- Orebody still open to the west and east as well as down plunge
- Long life open pit operation potential of +20 years
- Ore body is well understood with open pit production and copper cathode produced from 1993 to 2009
- Sulphide mined from underground and treated in the concentrator until 2019



¹ Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

Nifty Progress

- Legacy site issues resolved
- Scrap material being sorted, disposed
- Large store inventory being organised and sorted
- Concrete batching plant refurbished
- SX-EW clean up and refurbishment
- Accommodation refurbishment
- Operational readiness underway
- Site training underway
- Apprenticeship programme commenced



Environmental Approvals

Amended Approvals for Restart completed and submitted

- Government Approvals Lodged
- State Agreement Amended Proposal to be lodged post finance

Permit/Item	Legislation	Department	Description	Submission Status	Date Lodged/Approved
Works Approval and Licence	Environmental Protection Act (1986)	Department of Water & Environmental Regulation (DWER)	Amended Prescribed Activities Licence to enable processing	Application accepted and advertised	8th March 2022 4th May 2022
Native Vegetation Clearing Permit		Department of Mines Industry Regulation & Safety (DMRS)	Authorises the clearing of native vegetation for project development	Lodged	14th November 2021
Mining Proposal	Mining Act (1978)	Department of Mines Industry Regulation & Safety (DMRS)	Approval for mining activities and construction of mine infrastructure	Lodged	21st February 2022
Mine Closure Plan		Department of Mines Industry Regulation & Safety (DMRS)	Defines rehabilitation and closure accompanying the Mining Proposal	Lodged	21st February 2022
Project Management Plan	Mines Safety & Inspection Act (1994)	Department of Mines Industry Regulation & Safety (DMRS)	Project safety plan approval	Approved	22nd March 2022
26D Licence to Alter Water Abstraction Methods of an Existing Licence	Rights in Water and Irrigation Act (1914)	Department of Water & Environmental Regulation (DWER)	Change in abstraction mechanism under the existing water licence	Lodged	25th February 2022

Nifty Finance Progress



Targeting a complete debt financing package of AUD240M to AUD260M

Offtake Financing Facility ¹

- AUD50M Secured Offtake Prepayment Facility from Glencore is part of a total debt funding package
- Offtake agreement with Glencore for 100% of Copper Cathode produced during Phase 1
- Due diligence and finance documentation continuing

Senior Debt Facilities

- Advanced discussions continuing with Senior Debt counterparties, with due diligence activities and financing documentation continuing
- The financing package includes Nifty capital expenditure, contingencies, working capital and financing costs

Capital Raisings

- AUD16M Placement @ 11.5cps completed mid-July 2022 ²
- AUD10M Pro Rata Entitlement Offer @11.5cps, closing 1 August 2022 ^{2, 3}

¹ CYM ASX announcement 27 June 2022 - AUD50M Secured Offtake Prepayment Facility for Nifty Copper Project
² CYM ASX announcement: 30 June 2022 - \$16M Placement and \$10M Entitlement Issue to Support Nifty Copper Project Development
³ CYM ASX announcement: 6 July 2022 - Update to Entitlement Offer Timetable



Cyprium | Working to the Strategy

Cyprium has completed the ground work to build a mid tier copper company

- **Nifty progressing at an accelerated rate to production**
 - ✓ Restart Study completed
 - ✓ Finance process well advanced
 - ✓ Government Approval documents lodged and approvals being completed
 - ✓ Finance then construct then operate to produce copper plate on site H2 2023
- **Maroochydore drilling resource and metallurgical testwork**
 - ✓ 2021 drilling results being compiled
 - ✓ Phase 1 DD drilling completed – core in Perth awaiting metallurgical testing
 - ✓ Resource update to be completed
 - ✓ Heritage completed drill rig in July 2022
- **Murchison drilling resource and metallurgical testwork**
 - ✓ Nanadie Well resource to be completed
 - ✓ Resource opportunities to be investigated
 - ✓ Nanadie Well Phase 1 DD drilling completed – core in Perth awaiting metallurgical testing
 - ✓ Nanadie Well drilling completed – Cue drilling underway
- **Paterson Exploration JV**
 - ✓ Soil sampling results to be compiled
 - ✓ AC drilling results to be compiled
 - ✓ Basinal data to be reviewed



Nanadie Metallurgical Core

Nifty | Project Timeline



- Complete Restart Study ✓
- Submit Approvals ✓
- Continue Finance Process ✓
- Mineral Resource Update ✓
- Sulphide metallurgy underway ✓

- Commissioning
- Open Pit mining underway
- Ore stacking underway

H1 2022

H2 2022

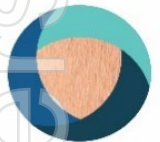
H1 2023

H2 2023

- Finance drawdown
- Approvals received
- Construction underway
- Oxide metallurgy optimised
- Final open pit inventory post MRE update

- Copper cathode production

APPENDICES



CYPRIUM

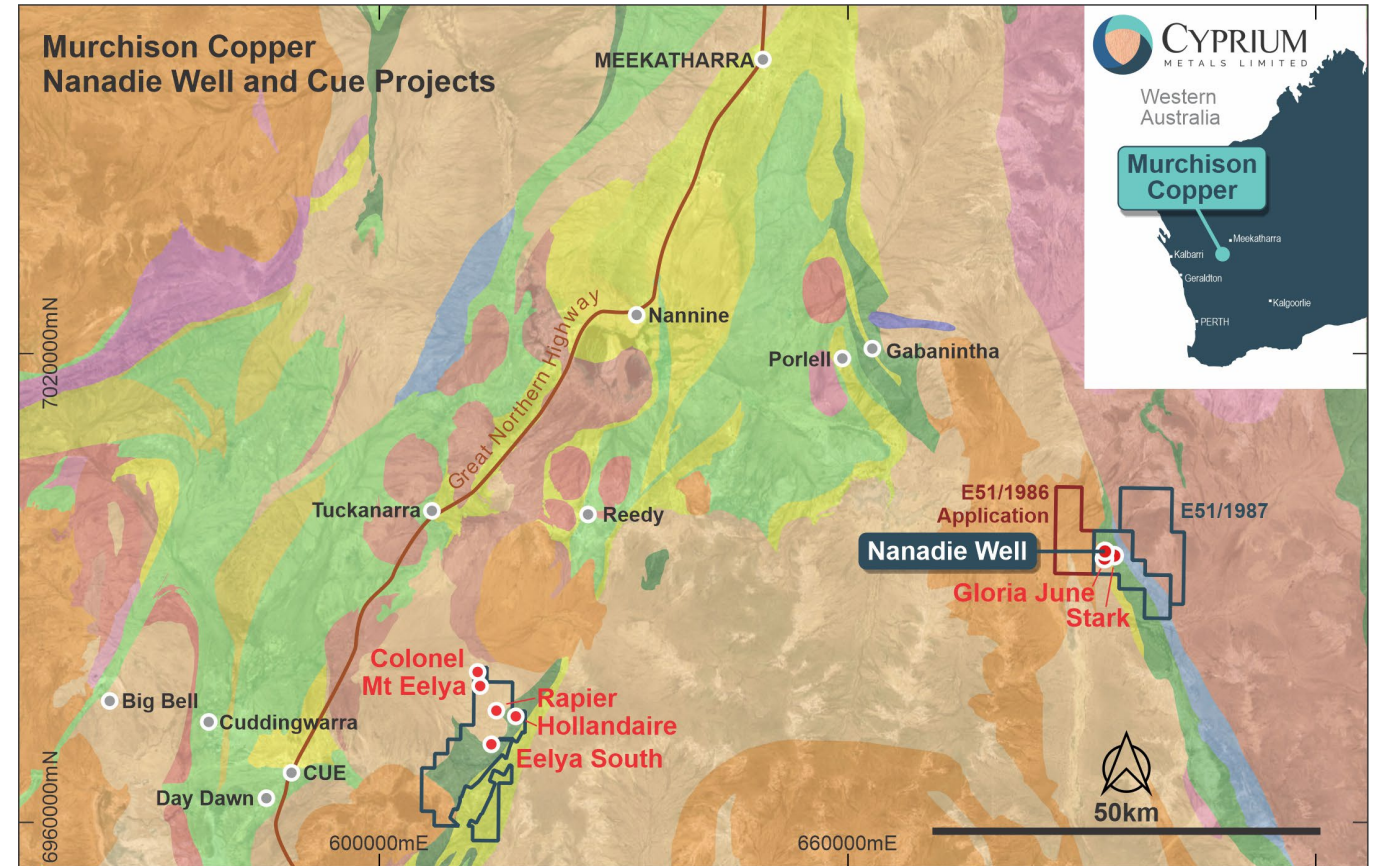


Murchison Copper Project



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

- Murchison Copper Project is a resource development opportunity
- Continued drilling success at Nanadie Well will form part of a Maiden JORC 2012 Mineral Resource Estimate, which will feed into the Murchison Scoping Study
- **Cue Copper Project located ~20km east of Cue Township**
 - Hollandaire Mineral Resource¹ (JORC 2012) 2.8Mt @ 1.9% Cu
 - Contained metal of 51.5kt of Cu, 28Koz Au & 0.5Moz Ag
 - Rapier West, Eelya South Cu-Au mineralised intersections
 - Mt Eelya Zn-Cu-Ag mineralised intersections
 - Colonel Cu-Zn-Au-Ag mineralised intersections
- **Nanadie Well located ~75km east-northeast of Cue Copper Project**
 - Nanadie Well polymetallic deposit
 - Nanadie Well Mineral Resource² (JORC 2012) 13.2Mt @ 0.4% Cu
 - Contained metal of 162kt of Cu, 130Koz Au & 1.4Moz Ag
 - Stark Cu-Ni mineralised intersections
 - Gloria June Au mineralised intersections
 - Resource based on broader zones of Cu mineralisation



¹ Information pertaining to the Hollandaire Mineral Resource was taken from an ASX Release by Cyprium Metals on 29 September 2020

² Information pertaining to the Hollandaire Mineral Resource was taken from an ASX Release by Cyprium Metals on 19 July 2022

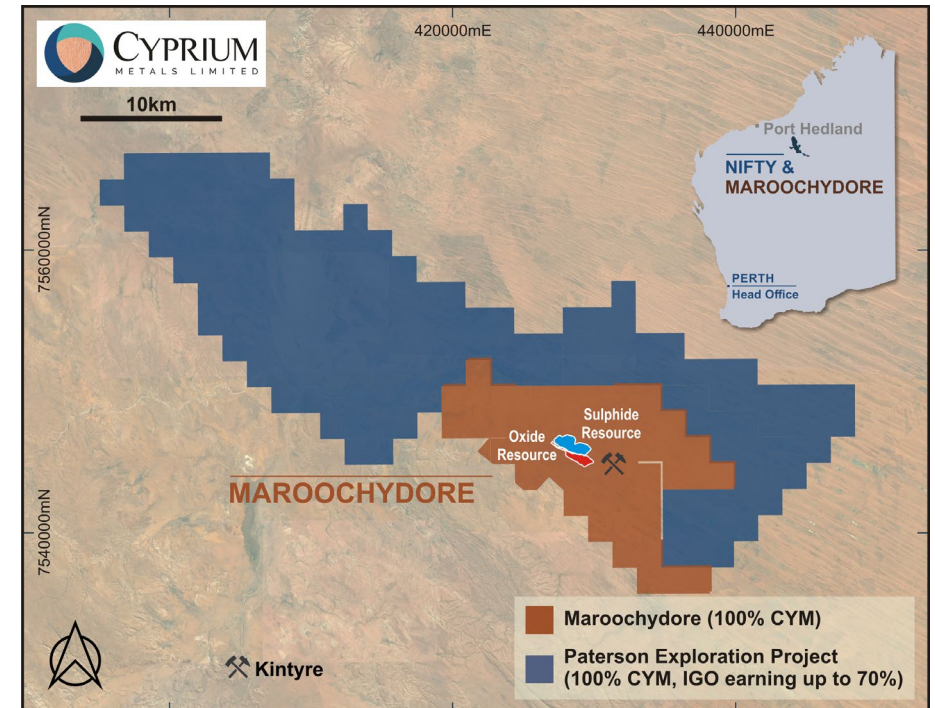
Maroochydore Copper Project



Potential to unlock value from a substantial copper resource

- Diamond drilling completed for metallurgical testwork
- Substantial shallow Oxide and Sulphide Mineral Resource of over 480,000 tonnes of copper¹:
 - Originally discovered in 1984
 - Mineralisation remains open along strike of over 3km and down-dip
 - Historical drilling has identified several high-priority targets for follow up
 - Strong potential to grow the mineral resources
- Remained undeveloped due to metallurgical complexities pertaining to certain parts of the orebody including high acid consumption and a portion of the copper being tied up in cupro-goethitic minerals
- Maroochydore has similar mineralogy of Nifty as it is hosted in the shales of the Broadhurst Formation
- Cyprium to assess new testwork initiatives to explore ore-sorting and alternative leaching technologies
 - Potential for synergies with the planned Cyprium Nifty Heap Leach strategy
- Existing resource also contains material cobalt endowment
 - 380ppm average grade for 18.5kt contained cobalt

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



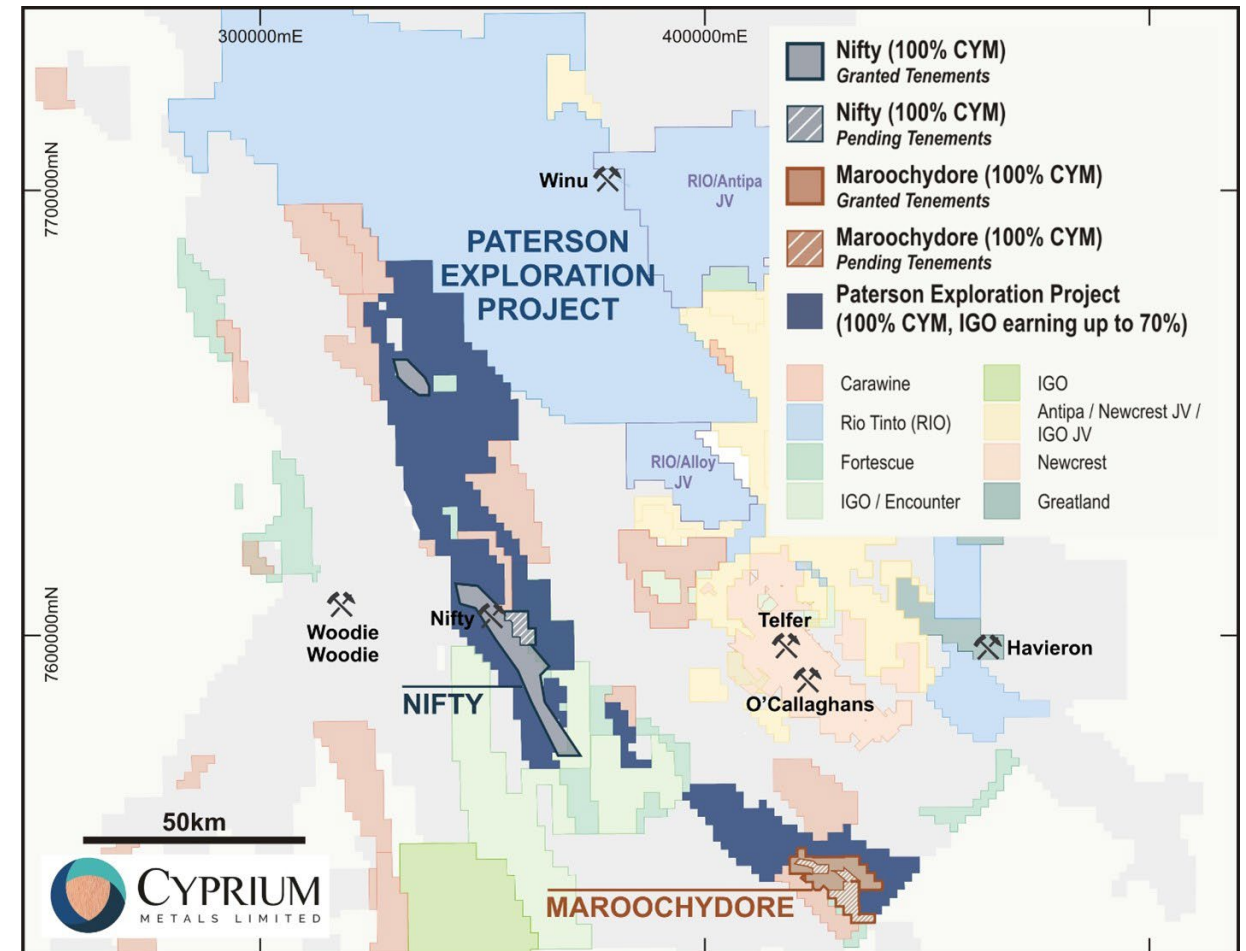
¹ Cyprium ASX announcement: 10 February 2021 - Transformational Acquisition of Highly Attractive Copper Portfolio

Paterson Exploration Project



Premier exploration destination in Australia - Cyprium leveraged to exploration success via Joint Venture with IGO

- Exploration season has commenced, IGO Ltd (ASX: IGO) are completing;
 - Large regional soil sampling program
 - Air-core drilling of priority targets
- Large & highly prospective position in the Paterson Province, adjacent to Nifty processing infrastructure
 - ~2,800km² of mineral licences
 - Significant recent discoveries
 - Rio Tinto – Winu
 - Newcrest Mining / Greatland Gold JV – Havieron
 - Numerous regional exploration targets within the currently granted exploration tenure
- Exploration accelerated with ~2,400km² of the tenure subject to farm-out with IGO Limited¹
 - IGO farm-out announced June 2020
 - IGO can sole fund A\$32 million of exploration activities over 6.5 years to earn a 70% interest
 - Including a minimum expenditure before withdrawal of A\$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



¹ Cyprium ASX announcement: 10 February 2021 - Transformational Acquisition of Highly Attractive Copper Portfolio

Mineral Resource Estimate /Competent Persons Statement



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
Indicated	Oxide	5,000	10,000	1.2	100	0.09	0	4.16	1,300
	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
	Fresh	194,000	593,000	1.6	9,300	0.41	7,800	6.46	123,200
Sub 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 MG, has not been modelled or reported in the Hollandaire 2012 JORC Mineral Resource estimate

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 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.

MAROOCHYDORE

The information in this report that relates to Mineral Resources is based on information compiled by Mr Terry Burns BAppSc (Geology) GDipEd PDGeosci (Mineral Economics) GDipEng (Mining), a Competent Person who is a Fellow and Chartered Professional of the Australasian Institute of Mining and Metallurgy. Mr Burns is an independent consultant to Cyprium Metals Limited and is a director of Warbrooke-Burns & Associates Pty Ltd which is the entity providing services to Cyprium Metals Limited. Warbrooke-Burns & Associates Pty Ltd is retained by Cyprium Metals Limited under industry standard commercial consulting rates. Mr Burns has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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'. Mr Burns consents to the inclusion in the report of the matters based on his compilation and in the form and context in which it appears.

¹ Cyprium Metals ASX announcement: 29 September 2020, Hollandaire Copper-gold Mineral Resource Estimate.

² Cyprium ASX announcement: 16 May 2022 – 28.4% increased Nifty Copper MRE to 940,200t copper metal

³ Metals X ASX announcements: 10 March 2020, Nifty Copper Mine Resource Update and 18 August 2016, Annual Update of Mineral Resources and Ore Reserves

NIFTY COPPER OPERATION - MINERAL RESOURCE ESTIMATE AT MAY 2022 ²

Ore Source	Cut-off	Measured			Indicated			Inferred			Total		
	%Cu	Ore Mt	Grade %Cu	Metal t Cu	Ore Mt	Grade %Cu	Metal t Cu	Ore Mt	Grade %Cu	Metal t 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

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

Competent Person Statement

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.

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

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



Cyprium Metals Limited
1 / 437 Roberts Road
Subiaco WA 6008

T +61 8 6374 1550

E info@cypriummetals.com

