

**ASX ANNOUNCEMENT**

Wednesday, 22 March 2023

## Ord Minnett East Coast Mining Conference 2023 Investor Presentation

29Metals Limited ('**29Metals**' or, the '**Company**') Managing Director & CEO, Peter Albert, will be presenting and meeting with investors at the Ord Minnett East Coast Mining Conference 2023, being held on 22 and 23 March 2023, in Sydney.

Accompanying this release is a copy of 29Metals' investor presentation for the conference.

- ENDS -

*Authorised for release by the Managing Director & CEO, Peter Albert*

---

**Enquiries**

Michael Slifirski

Group Manager Investor Relations

e: [Michael.Slifirski@29metals.com](mailto:Michael.Slifirski@29metals.com)

t: +61 459 967 977

# Ord Minnett East Coast Mining Conference

**Peter Albert**

Managing Director & Chief Executive Officer

22 March 2023



# Important Information

The information in this presentation is provided for general information regarding 29Metals Limited (the 'Company') and its subsidiaries (together with the Company, '29Metals'). Material information in this presentation has been derived from information publicly released by the Company to the ASX announcements platform. Where applicable, details regarding the source information released to the ASX announcements platform is included in notes in this presentation.

Information presented is deemed representative at the time of its original release and 29Metals does not accept any responsibility to update the information presented. Readers should be aware that there may be changes to historical information presented in the future due to adjustments in accounting and reporting policies and standards, and that past results or performance are no guarantee of future results or performance.

This presentation is not a recommendation to invest in 29Metals securities, and the information presented does not purport to include all of the information that a person may require in order to decide whether to invest in 29Metals securities. Prospective investors must seek their own legal or other professional advice.

## SUMMARY INFORMATION

This presentation includes summary information relating to or derived from:

- the Appendix 4E and Annual Financial Report for 29Metals and its controlled entities for the year ended 31 December 2022 (the '2022 Financial Results'); and
- the 31 December 2022 Mineral Resources and Ore Reserves estimates for the 29Metals Group (the '2022 MR&OR estimates'),

as released to the ASX announcements platform on 23 February 2023.

For the purposes of the 2022 Financial Results, the prior period is the year ended 31 December 2021. This presentation includes certain pro forma financial information in relation to the prior period. Refer to important information regarding the use of pro forma financial information in this presentation set out below.

## NON-IFRS FINANCIAL INFORMATION – PRO FORMA FINANCIAL INFORMATION

This presentation contains certain pro forma financial information relating to the prior period (year ended 31 December 2021). Pro forma financial information is non-IFRS financial information and is unaudited.

The pro forma financial information in this presentation has been included to provide investors with additional insights regarding the operating and financial performance of the Group in the prior period because the statutory financial information for the prior period excludes the financial and operating performance of Capricorn Copper in the period prior to the 29Metals IPO (July 2021).

Information regarding the basis of preparation of the pro forma financial information for the year ended 31 December 2021 is set out in the 2022 Financial Results.

The pro forma financial information in this presentation should be considered in addition to, and not as a substitute for, financial information prepared in accordance with Australian Accounting Standards. Readers are cautioned not to place undue reliance on non-IFRS financial information included in this presentation.

## NON-IFRS FINANCIAL INFORMATION – NON-IFRS FINANCIAL INFORMATION METRICS

This presentation contains certain financial information and metrics, such as *Cu-eq*, *AISC*, *C1 Costs*, *Site Operating Costs*, *Royalties & Other Selling Costs*, *EBITDA*, *Drawn Debt*, *Net Drawn Debt* and *Total Liquidity*, that are not recognised under Australian Accounting Standards and is classified as 'non-IFRS financial information' under ASIC Regulatory Guide 230 (*Disclosing non-IFRS financial information*).

Non-IFRS financial information metrics do not have standardised meanings under the Australian Accounting Standards and, as a result, may not be comparable to the corresponding metrics reported by other entities.

The non-IFRS financial information metrics in this presentation are unaudited.

29Metals uses these non-IFRS financial information metrics to assess business performance and provide additional insights into the underlying performance of its assets.

The Appendix to this presentation sets out the definitions for non-IFRS financial information metrics used in this presentation, along with a reconciliation of EBITDA to reported NPAT.

Non-IFRS financial information should be considered in addition to, and not as a substitute for, financial information prepared in accordance with Australian Accounting Standards. Readers are cautioned not to place undue reliance on non-IFRS financial information cited in this presentation.

## PRESENTATION CURRENCY AND ROUNDING

29Metals functional currency is Australian dollars ('\$'). Unless otherwise stated, all financial information in this presentation is in Australian dollars.

Financial information in this presentation is subject to rounding.

# **Important Information**

## **FORWARD LOOKING STATEMENTS**

This presentation contains forward looking statements and comments about future events, including in relation to 29Metals' businesses, plans and strategies.

Forward-looking statements can generally be identified by the use of words such as, "expect", "anticipate", "likely", "intend", "should", "could", "may", "plan", "propose", "will", "believe", "forecast", "estimate", "target" and similar expressions. Indications of, and guidance or outlook regarding, future performance are also forward-looking statements.

Forward looking statements involve inherent risks, assumptions and uncertainties, both general and specific, and there is a risk that predictions, forecasts, projections and other forward looking statements will not be achieved. A number of important factors could cause 29Metals' actual results to differ materially from the plans, objectives, expectations, estimates, targets and intentions expressed in such forward looking statements, and many of these factors are beyond 29Metals' control. Relevant statements may prove to be incorrect, and circumstances may change, and the contents of this document may become outdated as a result.

Forward looking statements are based on 29Metals' good faith assumptions as to the financial, market, regulatory and other relevant environments that will exist and affect 29Metals' business and operations in the future. There may be other factors that could cause actual results or events not to be as anticipated, many of which are beyond 29Metals' reasonable control, and 29Metals does not give any assurance that the assumptions will prove to be correct.

Readers are cautioned not to place undue reliance on forward looking statements, particularly in the current economic climate with the significant volatility, uncertainty and disruption caused directly or indirectly by the COVID-19 pandemic. Except as required by applicable laws, 29Metals does not undertake any obligation to publicly update or revise any forward-looking statements, to advise of any change in assumptions on which any such statement is based, or to publish prospective information in the future.

## **EXPLORATION RESULTS, MINERAL RESOURCES & ORE RESERVES ESTIMATES**

This presentation includes information relating to 29Metals' Mineral Resources and Ore Reserves estimates. 29Metals prepares and reports exploration results and Mineral Resources and Ore Reserves estimates in accordance with the *Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (2012 Edition) (the 'JORC Code')*.

Unless otherwise stated, references to 29Metals' Mineral Resources and Ore Reserves estimates in this presentation are a reference to the 31 December 2022 Mineral Resources and Ore Reserves estimates released by 29Metals to the ASX announcements platform on 23 February 2023. A copy of 29Metals' 31 December 2022 Mineral Resources and Ore Reserves estimates, including Competent Persons statements and JORC Code Table 1 disclosures, is available on 29Metals' website at: <https://www.29metals.com/investors/reports-presentations>.



# 2022 Operating Highlights

Solid operational performance and continued Mineral Resources growth in a challenging environment

## Production

### Improved safety and production

- Group TRIFR improved to 9.8/mwhrs (2021: 12.0/mwhrs)
- 73kt Cu-eq<sup>1</sup>, up 8% on prior period Pro forma ('PF')<sup>2</sup> result, driven by a 21% increase in zinc production

## Mineral Resources & Ore Reserves<sup>3</sup>

### Continued growth

- Group Ore Reserve tonnes up 23% after depletion
  - 18% increase in contained copper metal to 540kt
- Group Mineral Resource tonnes up 4% after depletion
  - 6% increase in contained copper metal to 2,240kt Cu
- Excellent Esperanza South (Capricorn Copper ('CC')) & Cervantes (Golden Grove ('GG')) drilling results<sup>4</sup>

## Growth

### Future growth options

- GG's Gossan Valley & Cervantes studies outcomes released
- Cervantes Measured and Indicated<sup>3</sup> tonnes increased by 82% to 2.9Mt in 29Metals' 2022 Mineral Resource and Ore Reserves estimates
- Advancing cobalt studies at CC

<sup>1</sup> Cu-eq is a non-IFRS financial information metric. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information metrics in this presentation. <sup>2</sup> Pro forma information is non-IFRS financial information. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information in this presentation. <sup>3</sup> Refer to the important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates. <sup>4</sup> Results from the 2022 drilling program at Esperanza South and Cervantes are reported in 29Metals' Exploration Update released to the ASX announcements platform on 1 August 2022. Refer to important information regarding 29Metals' exploration results at the beginning of this presentation.



# 2022 Financial Highlights

Strong balance sheet maintained

## Cash Flow Generation

### \$183m operating cash flow, pre-hedges

- \$156m after \$28m cash settlement of hedges
- Solid EBITDA result of \$152m

## Net Drawn Debt <sup>1</sup> Position

### Balance sheet strength

- Net Drawn Debt of \$26m <sup>1</sup>
- Cash of \$172m <sup>2</sup>, Total Liquidity of \$231m <sup>1</sup>
- Drawn Debt of \$198m <sup>1</sup>, after repayment of US\$12m

## Levered to Copper

### Full exposure to copper price

- 29Metals now unhedged to copper

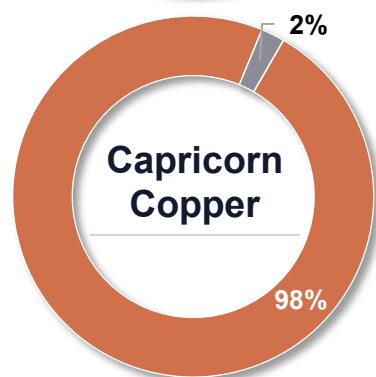
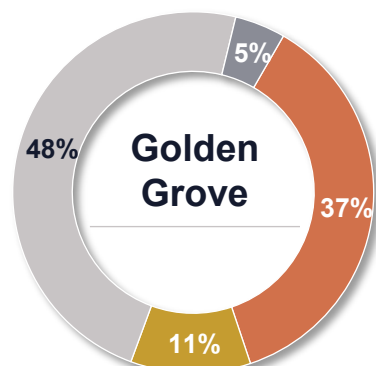
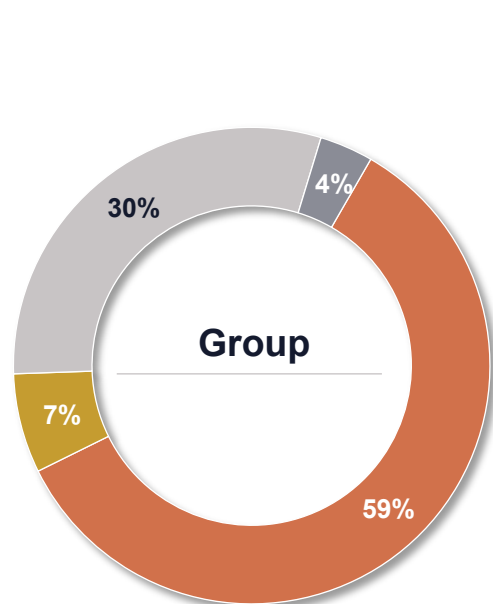
<sup>1</sup> Cu-*eq*, Drawn Debt, Net Drawn Debt, Total Liquidity are non-IFRS financial information metrics. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information metrics in this presentation. <sup>2</sup> Excludes cash balances set aside for rental security deposits and IPO proceeds retained by 29Metals under the Cash Backed Indemnity Deed. Refer to Note 39 to the Group's Consolidated Financial Statements for the year ended 31 December 2022 for further information regarding the Cash Backed Indemnity Deed.



# 2022 Metal Production and Sales Mix

Improved production outcomes compared to the prior period, copper dominant revenue mix

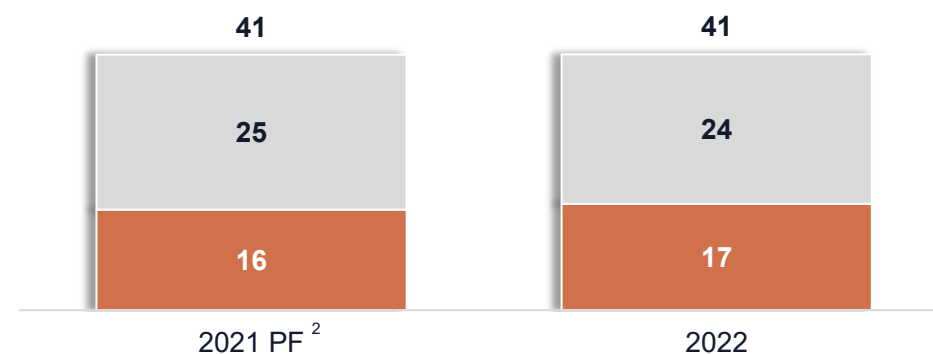
## Sales Mix (2022) <sup>1</sup>



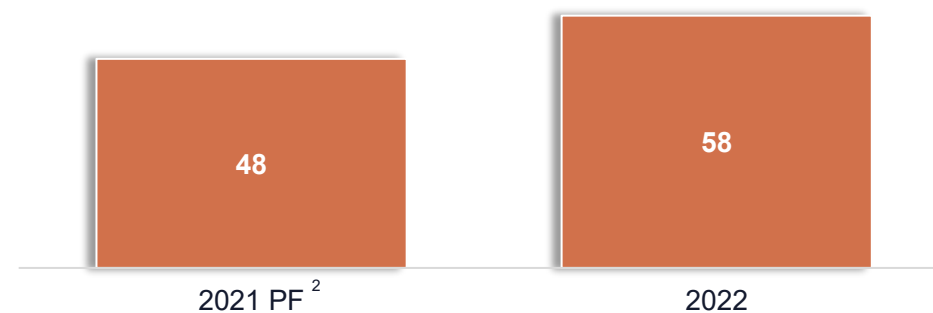
## Copper & Zinc Production (kt)

■ Golden Grove ■ Capricorn Copper

### Copper Production



### Zinc Production



<sup>1</sup> Sales mix presented as Statutory gross revenue (excluding unrealised QP gains/(losses)) for relevant metal in concentrate sold divided by Statutory gross revenue (excluding unrealised QP gains/(losses)). <sup>2</sup> Pro forma information is non-IFRS financial information. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information in this presentation.

# 2022 Sustainability & ESG

Progressing our Sustainability & ESG priorities

## 2022 Milestones

- ☑ 29Metal's released its first Sustainability & ESG report
- ☑ Launch of 29Metals' *Our Approach to Sustainability & ESG* and *Taskforce for Climate-related Financial Disclosures ('TCFD')* Roadmap
- ☑ Progress against all 29Metals' 2022 Sustainability ESG priorities, with a number of highlights (see below)



## Progress Against 2022 Priorities

### Responsible Environmental Stewardship

- Developed and launched TCFD roadmap
  - progressed year 1 activities in roadmap, including baseline emissions assessment
- Significant reduction in site water inventory at CC <sup>1</sup>

### Partnering with Stakeholders

- Successful roll out of 29Metals' *Our Approach* to internal and external stakeholders
- Positive engagement with local communities
- Commitment with ByrneCut to collaborate on Sustainability & ESG at GG and CC

### Safe & Inclusive Workplace

- Material improvement in TRIFR, reflecting significant focus on reducing minor injuries
- Continued focus on safety leadership and behaviours
- Commenced rollout of initiatives targeting mental health awareness
- First stage in *Cultural competency*, with rollout of introductory cultural awareness training

### 2023 Priorities

- Continuing focus on improving use of data to inform priorities and targets
- Prioritising key Sustainability & ESG performance targets, including:
  - water management
  - tailings management
  - emissions target setting

<sup>1</sup> Prior to commencement of 2022/2023 wet season.



# 2023 Priorities

## Key drivers underpinning 2023 performance

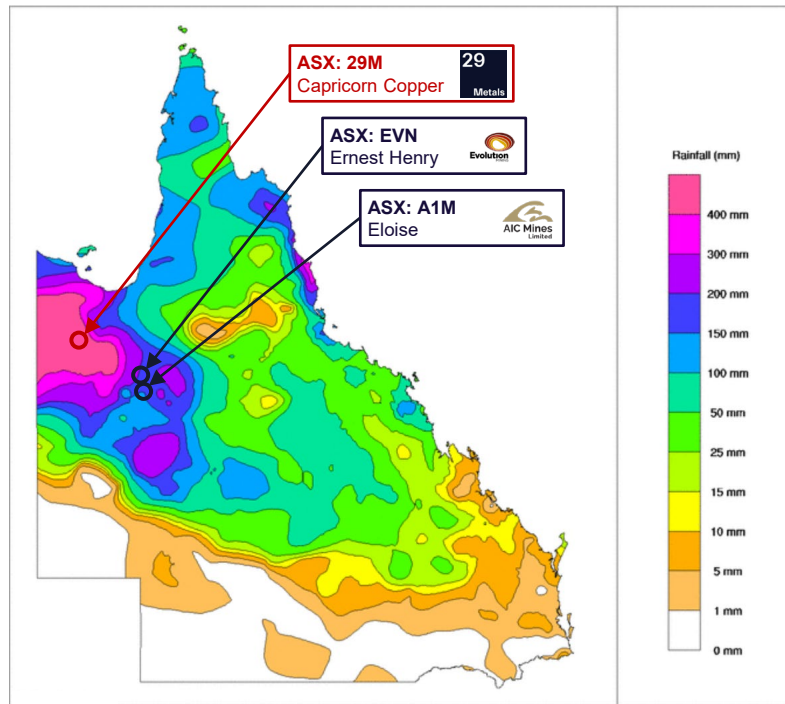
- 1H production volumes and cash flows materially impacted by operational constraints and Capricorn Copper's activity hiatus

Key Driver	Management Focus
<b>Capricorn Copper Recovery</b>	<ul style="list-style-type: none"><li>▪ Reduction of site captured stormwater</li><li>▪ Remediation of flood impacted equipment and facilities</li><li>▪ Dewatering of flooded lower levels of Esperanza South</li></ul>
<b>Development Rates</b>	<ul style="list-style-type: none"><li>▪ Improvement in development rates seen in the Dec-Qtr, particularly at GG</li><li>▪ Focus on increasing the contribution from Xantho Extended ('XE'), particularly in the second half</li><li>▪ GG development work will address operational flexibility depleted in 2021 and 2022</li></ul>
<b>Ventilation</b>	<ul style="list-style-type: none"><li>▪ Maintaining and extending ventilation is a key driver for development and mining activity at depth</li><li>▪ Improving ventilation capacity, at both sites, will require resolution of vendor equipment and commissioning failures reported in the Dec-Qtr</li><li>▪ Scheduled 2H increased ventilation to support increased high-grade production from XE</li></ul>
<b>Regulatory Approvals</b>	<ul style="list-style-type: none"><li>▪ Key focus on securing approvals for tailings capacity expansions at CC and GG</li><li>▪ Catalyst for lifting throughput restrictions imposed to manage tailings capacity constraints</li><li>▪ Opportunities to build surface stockpiles and bring forward planned maintenance have been implemented as a result of throughput restrictions</li></ul>
<b>Cost Management &amp; Capital Discipline</b>	<ul style="list-style-type: none"><li>▪ Capital and cost guidance reflects planned activity levels and cost pressures which emerged in 2022</li><li>▪ Management is focused on identifying opportunities for cost and capital savings in 2023</li></ul>
<b>LOM Tailings Facilities</b>	<ul style="list-style-type: none"><li>▪ Focus on advancing plans for LOM tailings facilities at both sites</li><li>▪ CC design work underway and GG regulatory submission to occur in 2023</li></ul>

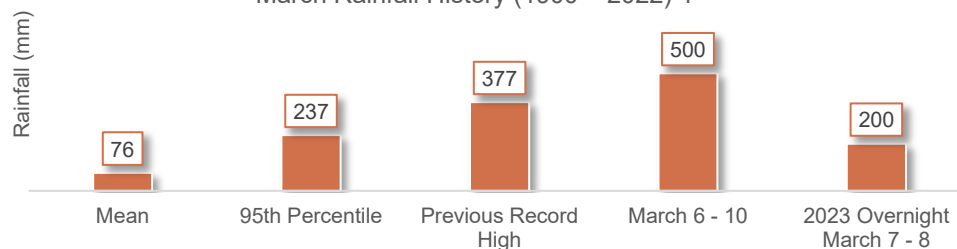
# Operations Update

## Capricorn Copper

### Queensland (Australia) Weekly Rainfall for the week ending 10 March 2023 <sup>1</sup>



March Rainfall History (1900 – 2022) <sup>1</sup>



### Extreme Weather Event

- Extreme rain event resulted in a substantial increase in water held on sites
- ~500mm of rain five days (6 – 10 March 2023), the highest weekly total rainfall ever recorded in the region
- More than 1,400mm of cumulative rainfall since 1 November 2022 is now the highest annual cumulative rainfall recorded in the region
- The Mount Isa Shire (including Capricorn Copper) declared a natural disaster zone

### Update

- No significant safety incidents
- No uncontrolled release from water storage facilities
- No loss of containment of tailings storage
- Significant increase in the levels of water held on site
- Water ingress into the Esperanza South sub-level cave ('ESS')
- Isolated areas of inundation around the site
- Site access restored
- Strong engagement with stakeholders
- 29Metals' insurers have been notified

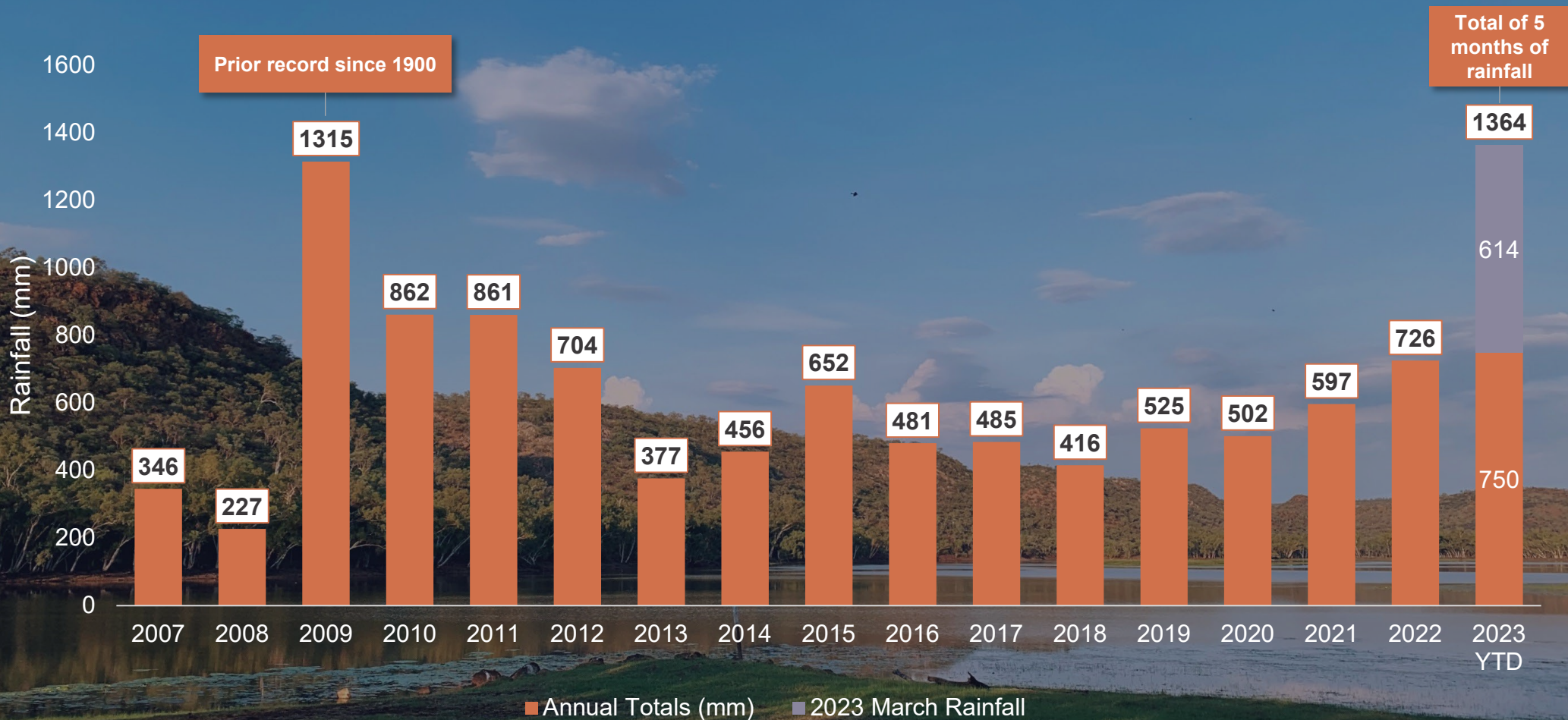
<sup>1</sup> Commonwealth of Australia 2023, Bureau of Meteorology (BoM).



# Operations Update

## Capricorn Copper

Rainfall from 1st November Previous Year - 31st October Stated Year <sup>1</sup>



<sup>1</sup> Commonwealth of Australia 2023, Bureau of Meteorology (BoM).



# Operations Update

## Regulatory approvals & ventilation

---

### Tailings

---

#### Golden Grove

- TSF3 tailing lift approval still pending with DMIRS. Engagement ongoing
- Civil construction tender process completed with award imminent

#### Capricorn Copper

- Esperanza Tailings Storage Facility ('**ETSF**') performed to design through the extreme wet season and during unprecedented rainfall event
- Stormwater flowed to the regulated water storage facilities per design
- Tender process for TSF lift well-progressed, though delayed while site access is constrained
- Mt Isa region disaster zone declaration from extensive floods has added to DES regional workload
- Production re-start time-line is managements focus

---

### Ventilation

---

#### Golden Grove

- The second twin underground primary ventilation fan has been repaired, returned to site and is currently being installed
- Delivery of Booster fans for Xantho Extended ('**XE**') is anticipated on site for installation early Q3 2023 supporting increased 2H high-grade XE production

#### Capricorn Copper

- First primary surface ventilation fan reinstated. Second fan due Q2 2023
-



# Mineral Resources & Ore Reserves <sup>1</sup>

Continued replacement and growth, building on 29Metals history of exploration success



Group Ore Reserves estimates tonnes up 23%, with increases for tonnes and metal at both operating sites



Contained copper and zinc in Group Ore Reserves estimates up 18% and 14%, respectively



Increase in Golden Grove Ore Reserves estimates includes 1.8Mt attributable to Gossan Valley

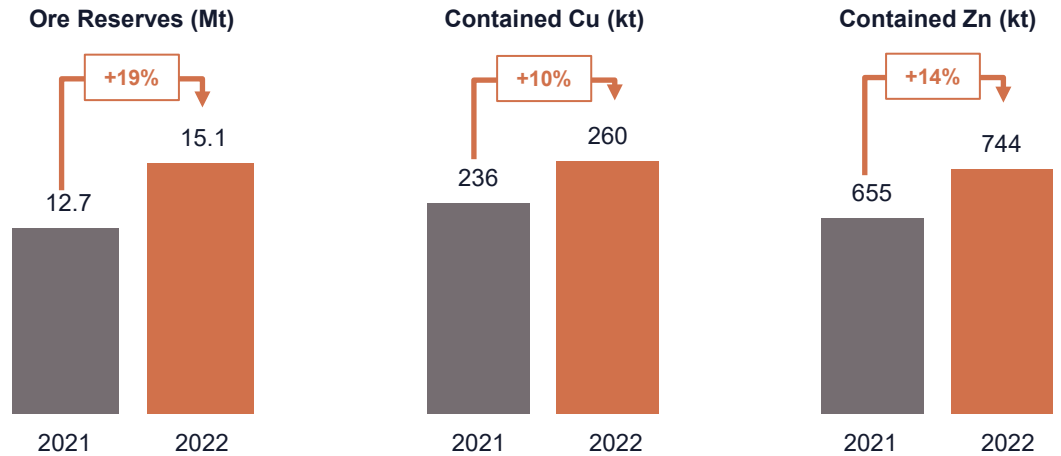


4% increase in Mineral Resources estimates tonnes, including Esperanza South (+23%) and Cervantes (+13%)

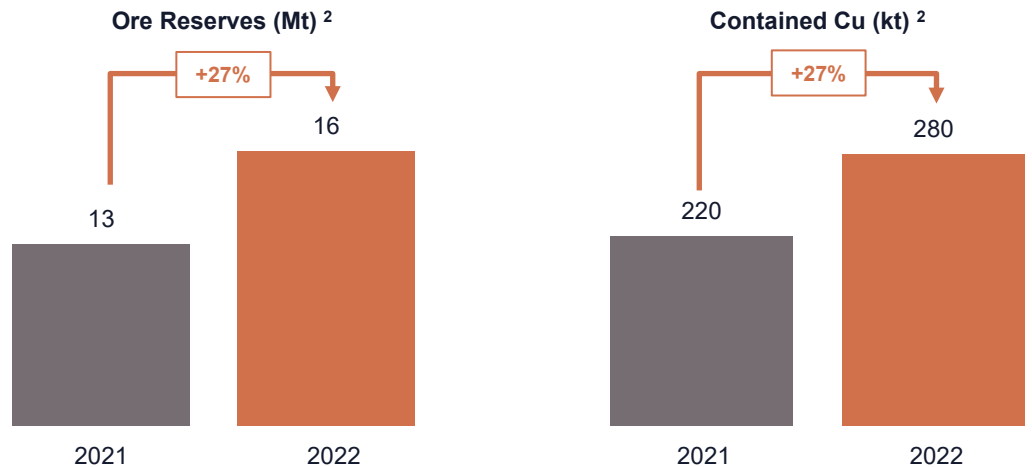


Material conversion of Capricorn Copper Mineral Resources estimates to 67% Measured and Indicated

## Golden Grove Ore Reserves estimates



## Capricorn Copper Ore Reserves estimates

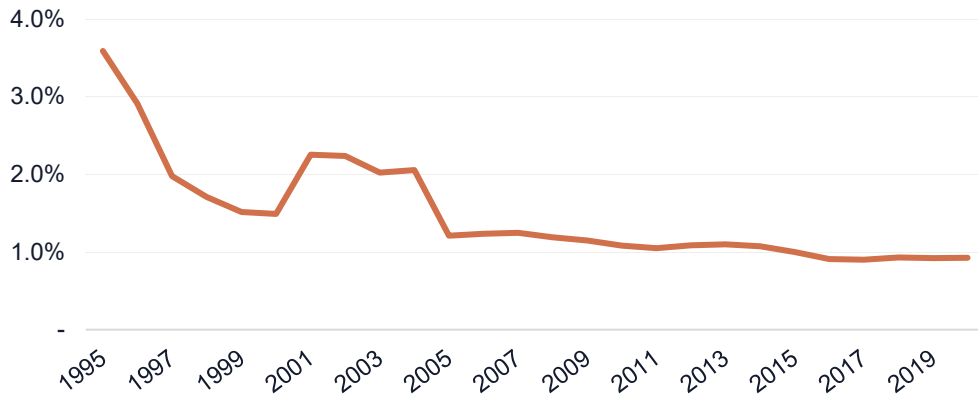


<sup>1</sup>. Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates. <sup>2</sup>. Aggregated Ore Reserves tonnages for Capricorn Copper are rounded to the nearest 1Mt. Percentage change has been calculated using unrounded estimated tonnes. Aggregate estimates of contained Cu metal at Capricorn Copper have been rounded to the nearest 10kt.

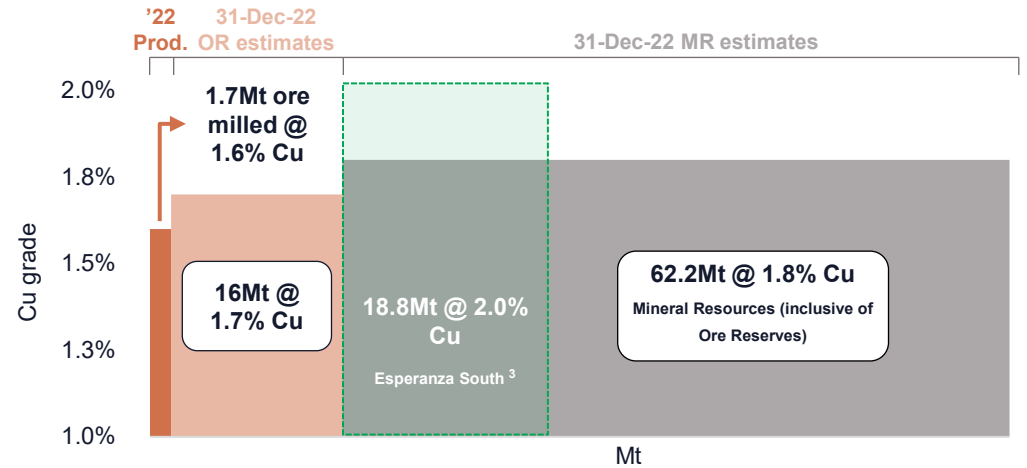
# High Metal Grades at Operating Assets

High Mineral Resources and Ore Reserves ('MR&OR') <sup>1</sup> grade relative to 2022 production and declining head grades globally

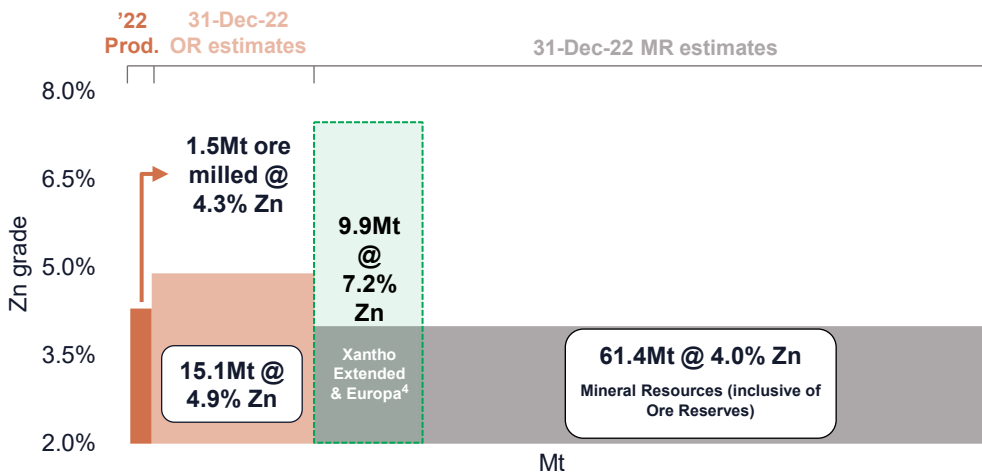
### Declining Global Cu Head Grades <sup>2</sup>



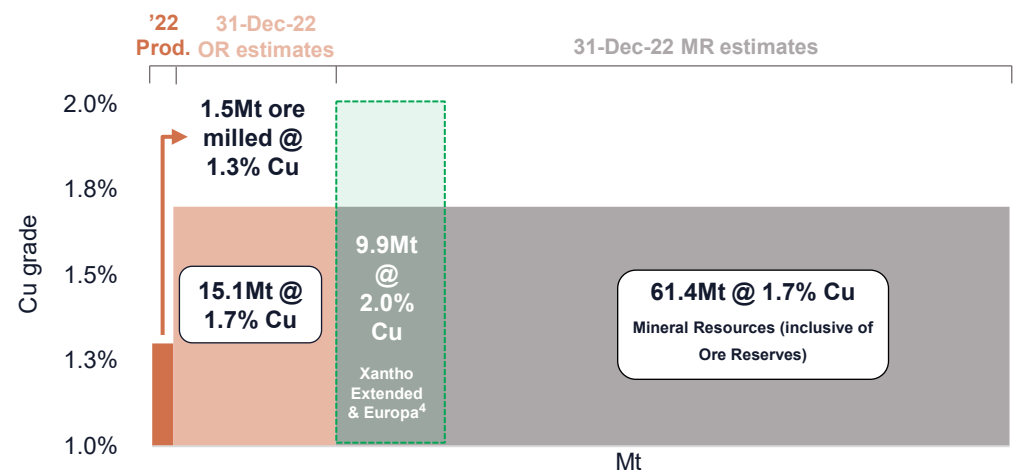
### Capricorn Copper 2022 Cu Head Grade vs MR&OR Grade



### Golden Grove 2022 Zn Head Grade vs MR&OR Grade



### Golden Grove 2022 Cu Head Grade vs MR&OR Grade



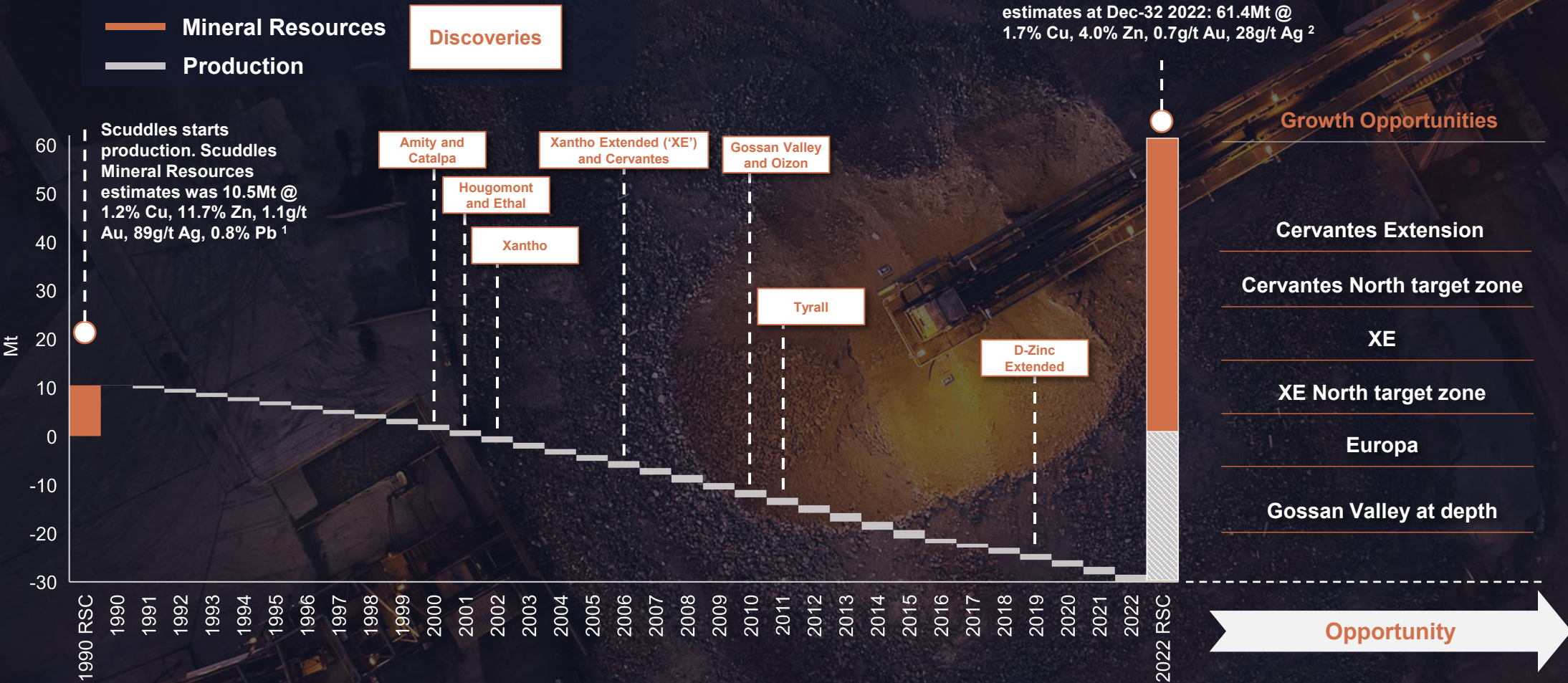
<sup>1</sup> Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Reserves and Ore Reserves estimates. <sup>2</sup> AME Mineral Economics Pty Ltd (2021). <sup>3</sup> 31-Dec-22 Mineral Resources estimates for Esperanza South are a subset of, and included in, Capricorn Copper 31-Dec-22 Mineral Resources estimates. <sup>4</sup> 31-Dec-22 Mineral Resources estimates for Xantho Extended and Europa are a subset of, and included in, Golden Grove 31-Dec-22 Mineral Resources estimates.



# Golden Grove – Discovery Timeline

History of discovery and Mineral Resources replacement and growth

Golden Grove Mineral Resources estimates at Dec-32 2022: 61.4Mt @ 1.7% Cu, 4.0% Zn, 0.7g/t Au, 28g/t Ag <sup>2</sup>



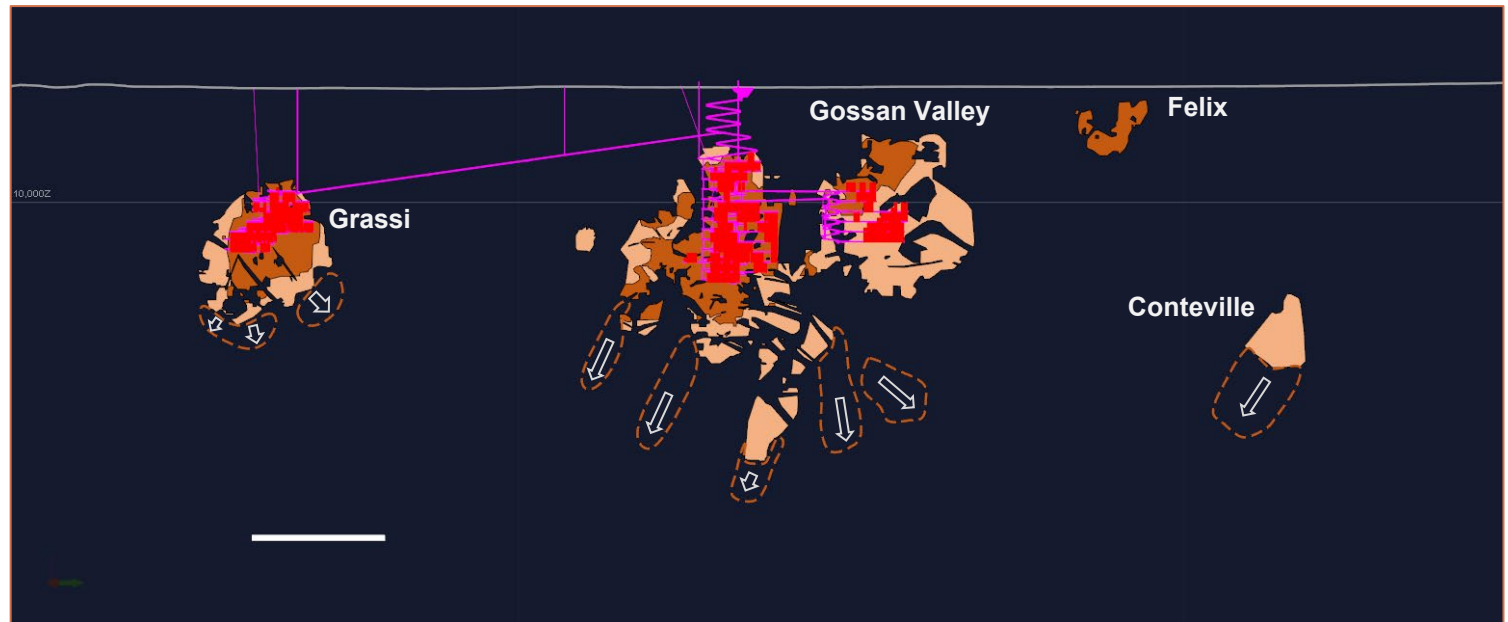
<sup>1</sup> Scuddles Mineral Resources estimates as at 1990 sourced from *Monograph 19, Australasian mining and metallurgy; The Sir Maurice Mawby memorial volume* (2nd edition), 1993. <sup>2</sup> Mineral Resources estimates for Scuddles are a subset of, and included in, Golden Grove Mineral Resources estimates. Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates.



# Gossan Valley

## Outline of 31-Dec-22 Mineral Resources estimates for Gossan Valley - Long-section View <sup>3</sup>

- Gossan Valley 31-Dec-22 Mineral Resources estimates of 6.3Mt @ 1.1% Cu, 6.1% Zn, 0.5g/t Au, 18g/t Ag
- Golden Grove 31-Dec-22 Ore Reserves estimates include Gossan Valley Ore Reserves;
  - Probable Ore Reserves of 1.8Mt @ 1.1% Cu, 7.2% Zn, 0.5g/t Au, 11g/t Ag, 0.1% Pb**
  - ~28% of Mineral Resources estimates for Gossan Valley <sup>1</sup>**
- Potential to grow Mineral Resources in multiple areas, and expand Ore Reserves from current Mineral Resources estimates



### Mineral Resources estimates Outline

- Measured
- Indicated
- Inferred

### Other Elements

- Open Areas
- Mining Voids
- Mineral Inventory <sup>2</sup>
- Development
- Development Depth at 31 December 2022

<sup>1</sup> 31-Dec-22 Mineral Resources and Ore Reserves estimates are a subset of, and included in, Golden Grove 31-Dec-22 Mineral Resources and Ore Reserves estimates. Refer to important information regarding Mineral Resources and Ore Reserves estimates at the beginning of this presentation. <sup>2</sup> Mining inventory cited as defined in Gossan Valley Studies. Refer to *Golden Grove Studies* ASX release, released to the ASX announcements platform on 22 November 2022, for further information regarding the Gossan Valley Studies (a copy of which is available on 29Metals' website at: <https://www.29metals.com/investors/asx-announcements>). <sup>3</sup> Illustrative outline of 31-Dec-22 Mineral Resources estimates for Gossan Valley.

## Increase in Mineral Resources estimates for Cervantes relative to PFS <sup>1</sup>

- 31-Dec-22 Mineral Resources estimates tonnes **increased by 13% to 5.2Mt**
- Measured and Indicated tonnes **increased by 82% to 2.9Mt**
- Contained metal in Mineral Resources estimates increased:
  - Cu + **34% to 85kt**
  - Au + **13% to 114koz**
  - Ag + **5% to 6,271koz**
  - Zn **steady at 305kt**
- Mineralisation closer to existing development
- 2023 drilling – 7km of further resource conversion drilling planned

### Mineral Resources estimates Outline

- Measured
- Indicated
- Inferred

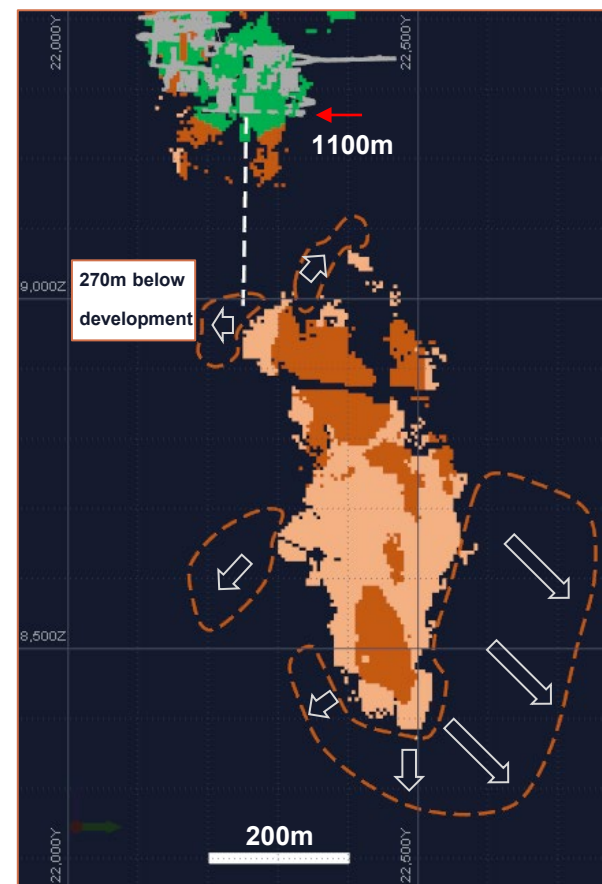
### Other Elements

- Open Areas
- Mining Voids
- Development Depth at 31 December 2022

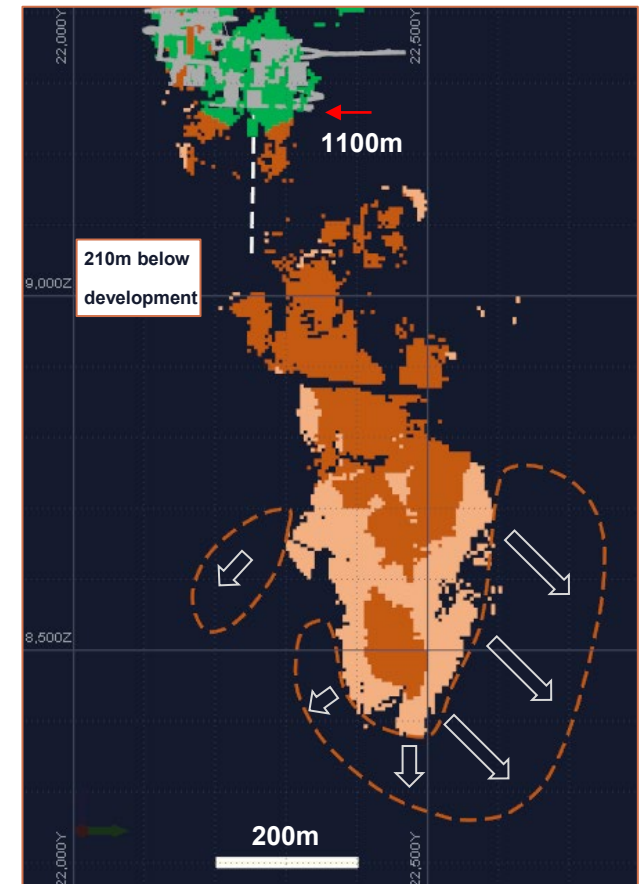
## Cervantes

### Long-section View

Outline of 31-Dec-21 Mineral Resources estimates for Cervantes <sup>2</sup>



Outline of 31-Dec-22 Mineral Resources estimates for Cervantes <sup>2</sup>



<sup>1</sup> Refer to *Golden Grove Studies* ASX release, released to the ASX announcements platform on 22 November 2022, for further information regarding the Cervantes pre-feasibility study ('PFS') (a copy of which is available on 29Metals' website at: <https://www.29metals.com/investors/asx-announcements>). <sup>2</sup> Illustrative outline of 29Metals' Mineral Resources estimates for Cervantes at 31-Dec-21 and 31-Dec-22 (respectively). Mineral Resources estimates for Cervantes are a subset of, and included in, Golden Grove Mineral Resources estimates. Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates.



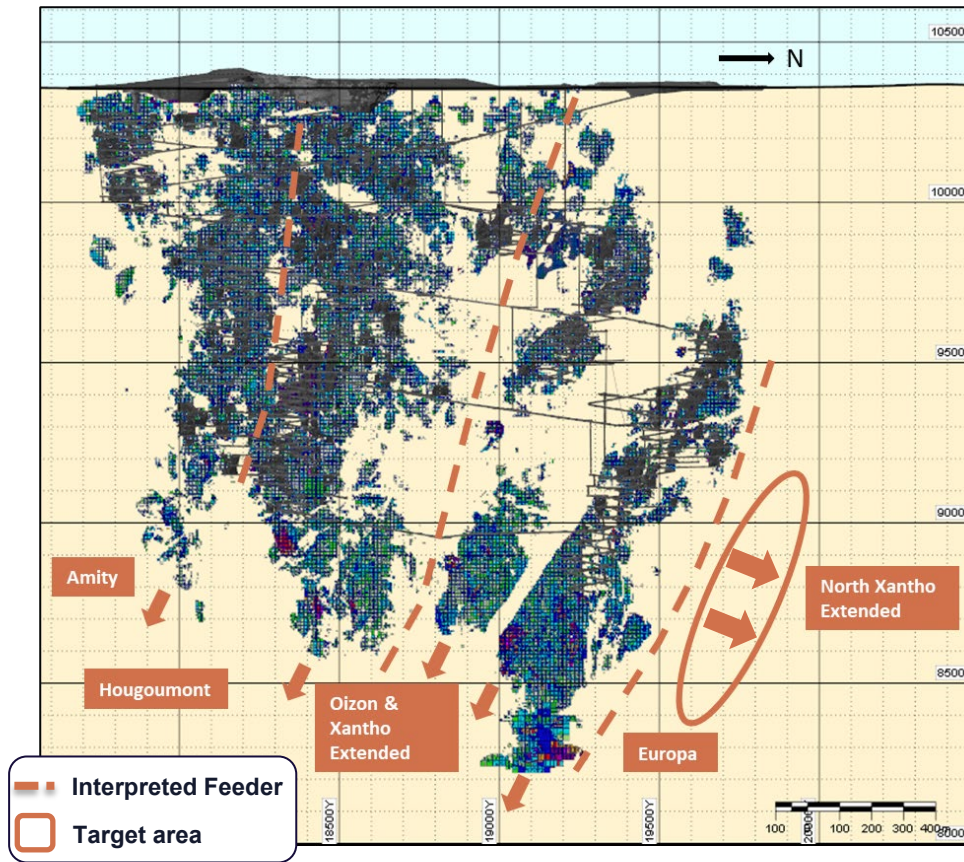
# Future Exploration Opportunities

Golden Grove VHMS system controls well understood after decades of drilling

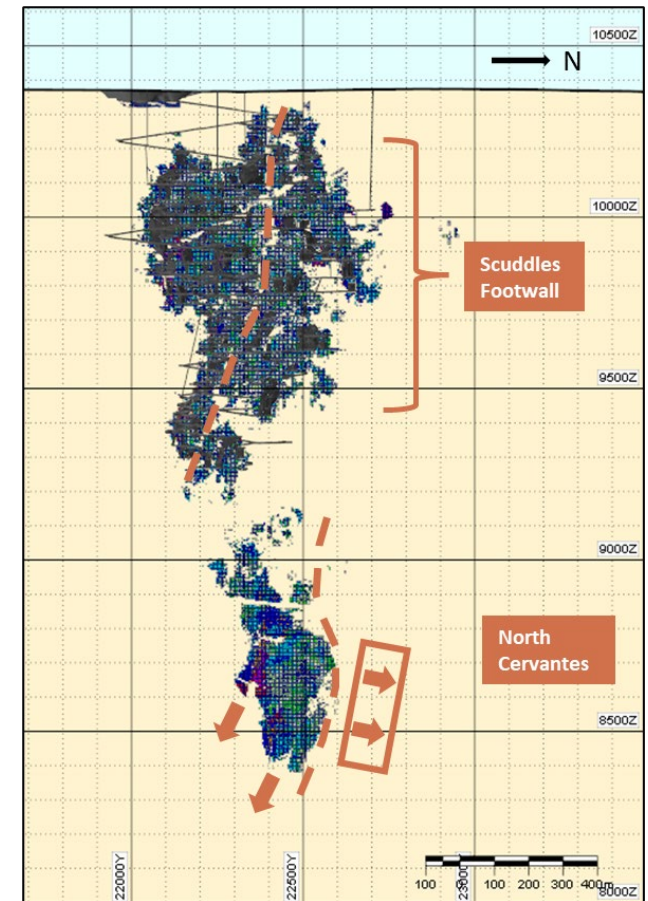
Good spatial definition of feeder zones and favourable stratigraphic units allows high probability targeting

Priority target areas for repeat mineralisation:

Gossan Hill Long-section <sup>1</sup>



Scuddles Long-section <sup>1</sup>



- North Cervantes – targeting for repeat of Cervantes mineralisation
- North Xantho Extended – targeting for repeat of XE mineralisation

<sup>1</sup> Illustrative outline of 29Metals' December 2022 Mineral Resources estimates for Scuddles and Gossan Hill. 29Metals' Mineral Resources estimates for Scuddles and Gossan Hill are a subset of, and included in, 29Metals' Mineral Resources estimates for Golden Grove. Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates.

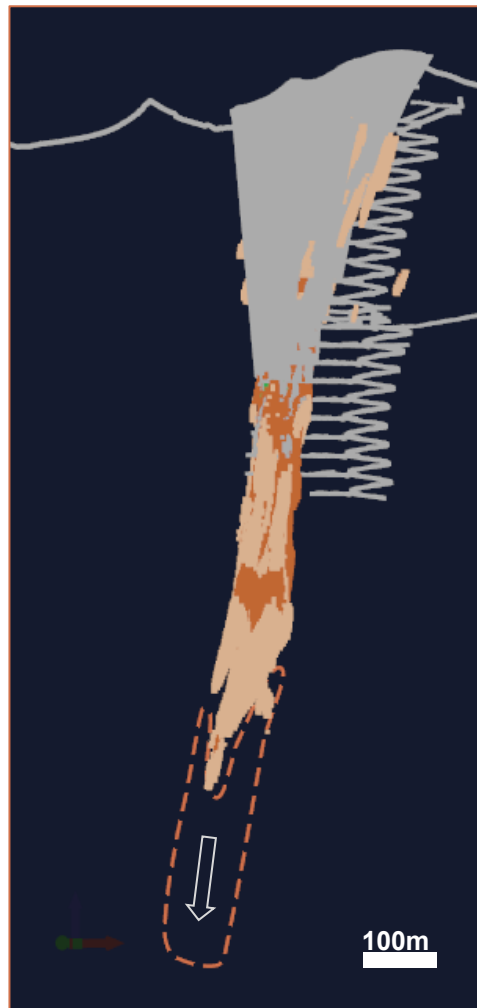
## 31-Dec-22 Mineral Resources estimates for Esperanza South <sup>1</sup>:

- Increase in width and higher grade at depth
- Increase in Mineral Resources estimated tonnes of **23% to 18.8Mt @ 2.0% Cu, 19g/t Ag, 640ppm Co**
- **Measured and Indicated increased by 51% to 12.7Mt @ 2.0% Cu, 20g/t Ag, 702ppm Co**
- Contained metal in Mineral Resources estimates:
  - Cu + 32% to 278kt
  - Ag + 38% to 4.8Moz
  - Co + 8% to 22koz

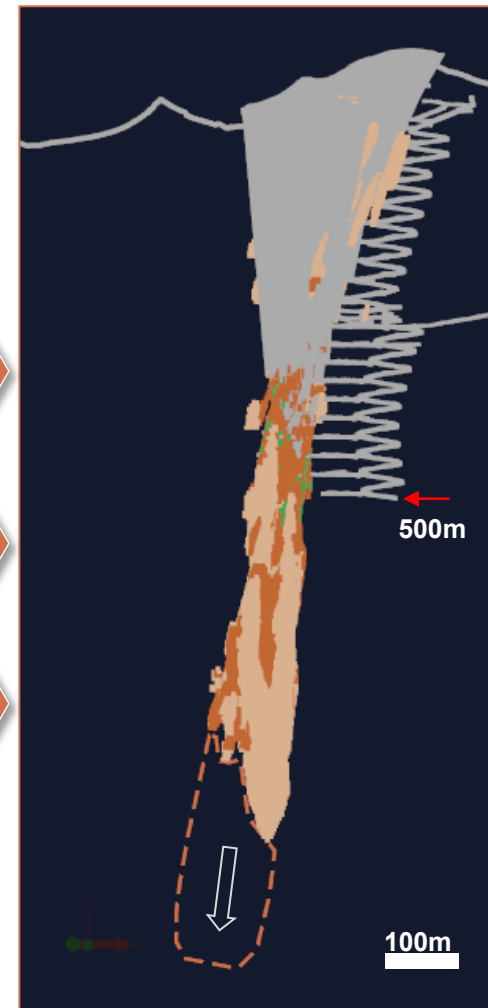
# Esperanza South

## Cross-section View

Outline of 31-Dec-21 Mineral Resources estimates for ESS <sup>2</sup>



Outline of 31-Dec-22 Mineral Resources estimates for ESS <sup>2</sup>



### Mineral Resources estimates Outline

- Measured
- Indicated
- Inferred

### Other Elements

- Open Areas
- Mining Voids
- Development Depth at 31 December 2022

<sup>1</sup> Mineral Resources estimates for ESS are a subset of, and included in, Capricorn Copper Mineral Resources estimates. Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates. <sup>2</sup> Illustrative outline of 29Metals' Mineral Resources estimates for ESS at 31-Dec-21 and 31-Dec-22 (respectively).

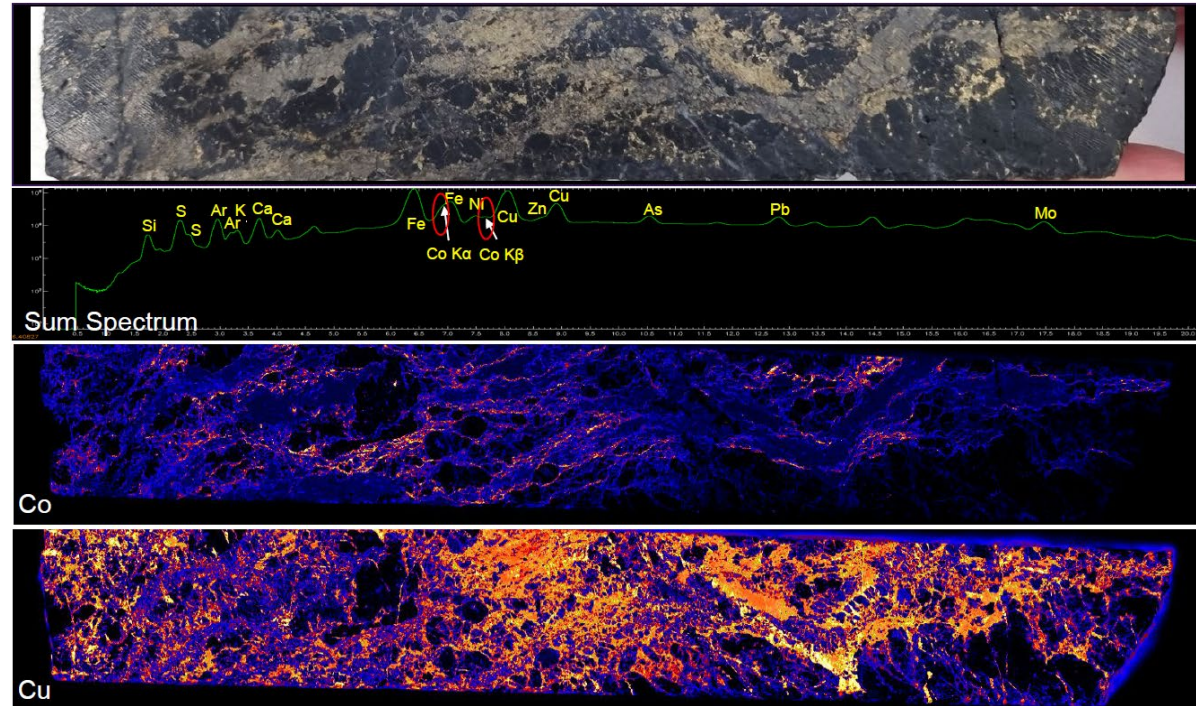


## Cobalt at CC:

- Substantial cobalt estimated to be contained within our copper Mineral Resources estimates
- Studies are progressing to identify future opportunities to economically recover cobalt in Mineral Resources
  - UQ PhD study - Geometallurgical characterisation of cobalt-bearing minerals in tailings at CC
  - University of Queensland mineralogy and deportment studies
  - Flotation test work on fresh flotation tailings samples for analysis of a flash float opportunity for first stage recovery
- Cobalt in tailings is not currently included within the stated Mineral Resources estimates

# Cobalt <sup>1</sup>

## Evaluating cobalt opportunity



Micro X-Ray Fluorescence (µXRF) mapping of cobalt and copper in Esperanza South drill core (GeoPIXE data reduction)

Elements maps generated in GeoPIXE

### 31-Dec-22 Mineral Resources estimates (Summary) <sup>2</sup>

	Tonnes	Grade			Contained Metal		
		Cu	Ag	Co	Cu	Ag	Co
Orebody	Mt	%	g/t	ppm	kt	koz	kt
Esperanza South	18.8	2.0	19	640	368	11,189	12
Esperanza	4.0	2.1	10	1,351	84	1,337	5
Pluto	3.2	2.1	1	239	67	72	1
Greenstone	1.7	1.6	1	82	29	67	0
Mammoth	34.4	1.7	4	117	592	4,556	4

Note: Research by PhD Candidate L. Nicholls, Sustainable Minerals Institute. Scanning by Centre for Microscopy and Microanalysis, University of Queensland. Project funding by the Department of Resources, Queensland Government. <sup>1</sup> 29Metals does not currently recover any cobalt from processing operations. <sup>2</sup> Refer to important information at the beginning of this presentation regarding 29Metals' Mineral Resources and Ore Reserves estimates.



APPENDIX





## Financial Results Summary

### Solid production

- **\$721m Revenue** <sup>1</sup>
- **\$152m EBITDA** <sup>2</sup>
- **\$47m NPAT loss**
  - Higher depreciation & amortisation ('D&A') expense reflects the higher utilisation of tailings dam capacity and accelerated depreciation
- **\$156m Operating cashflow**, after \$28m in payments for settlement of hedges

12 months ended 31-Dec	UNITS	STATUTORY			PRO FORMA <sup>3</sup>	
		2022	2021	VAR	2021	VAR
Revenue <sup>1</sup>	\$'000	<b>720,688</b>	600,762	119,926	709,597	11,091
EBITDA <sup>2</sup>	\$'000	<b>151,579</b>	177,291	(25,712)	254,066	(102,487)
<i>D&amp;A</i> <sup>4</sup>	\$'000	<b>(189,399)</b>	<b>(100,124)</b>	<b>(89,275)</b>	<b>(124,468)</b>	<b>(64,931)</b>
<i>Net finance costs</i>	\$'000	<b>(19,172)</b>	(30,262)	11,090	(16,665)	(2,507)
<i>Loss on derivatives &amp; unrealised FX</i>	\$'000	<b>(8,824)</b>	(29,128)	20,304	(66,163)	57,339
<i>Income tax benefit / (expense)</i>	\$'000	<b>18,594</b>	103,236	(84,642)	(12,433)	31,027
NPAT	\$'000	<b>(47,222)</b>	121,013	(168,235)	34,336	(81,558)
Operating cashflow	\$'000	<b>155,690</b>	75,098	80,592	NA	NA
Average Copper price <sup>5</sup>	US\$/t	<b>8,823</b>	9,305	(482)	9,305	(482)
Average Exchange rate <sup>5</sup>	AUD:USD	<b>0.695</b>	0.752	(0.057)	0.752	(0.057)

<sup>1</sup> Revenue comprises revenue for all mineral concentrate sales, inclusive of final shipment invoice and quotational period ('QP') adjustments, and after TCRCs. <sup>2</sup> EBITDA is a non-IFRS financial information metric. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information metrics in this presentation. <sup>3</sup> Pro forma information is non-IFRS financial information. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information in this presentation. <sup>4</sup> Total D&A for the Reporting Period includes \$411 thousand (2021: \$111 thousand) of D&A on corporate assets (not included in cost of sales). <sup>5</sup> Copper price and foreign exchange rate cited are the average rate for the relevant period (Source: FactSet).





## Costs

### Costs impacted by industry-wide challenges including absenteeism and inflation

- Higher Site Operating Costs <sup>1</sup> as result of:
  - increased activity
  - higher input costs
- D&A materially higher with increased investment in incremental TSF expansions, higher utilisation rates and accelerated depreciation of GG TSF facilities
- With the 2022 pressures of absenteeism expected to materially abate in 2023, Management is focused on cost and capital discipline to improve margins

12 months ended 31 December	UNITS	STATUTORY			PRO FORMA <sup>2</sup>	
		2022	2021	VAR	2021	VAR
Site Operating Costs <sup>1</sup>	\$'000	(475,294)	(345,392)	(129,902)	(415,925)	(59,369)
D&A	\$'000	(188,989)	(100,113)	(88,876)	(124,457)	(64,532)
Stockpile movements	\$'000	17,995	25,580	(7,585)	35,231	(17,236)
Royalties & Other Selling Costs <sup>1, 3</sup>	\$'000	(70,511)	(44,193)	(26,318)	(56,151)	(14,360)
<b>Cost of sales</b>	<b>\$'000</b>	<b>(716,799)</b>	<b>(464,118)</b>	<b>(252,681)</b>	<b>(561,303)</b>	<b>(155,496)</b>
<b>C1 Costs <sup>1</sup></b>	<b>US\$/lb</b>	<b>\$2.46</b>	<b>NA</b>	<b>NA</b>	<b>\$2.12</b>	<b>\$0.34</b>
<b>AISC <sup>1</sup></b>	<b>US\$/lb</b>	<b>\$3.64</b>	<b>NA</b>	<b>NA</b>	<b>\$3.41</b>	<b>\$0.23</b>

<sup>1</sup> Site Operating Costs and Royalties & Other Selling Costs, C1 Costs and AISC, are non-IFRS financial information metrics. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information metrics in this presentation.

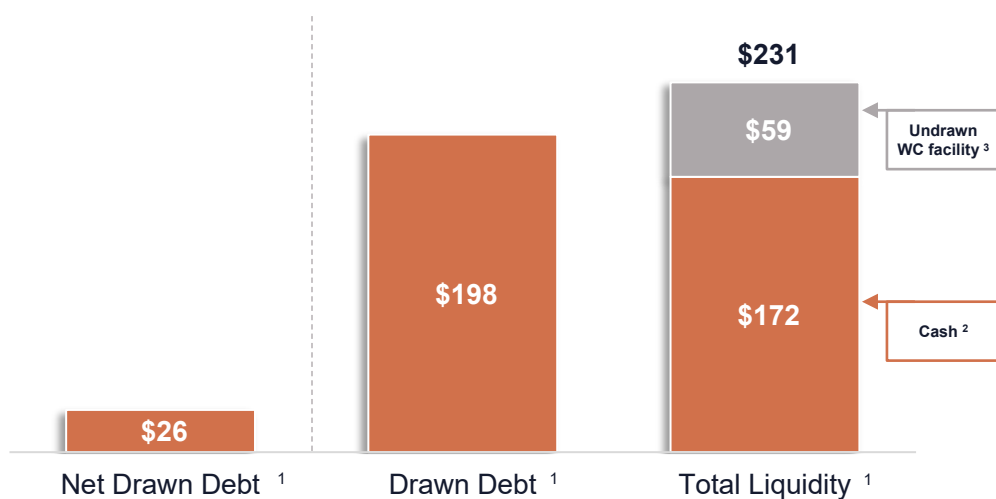


# Net Drawn Debt <sup>1</sup>

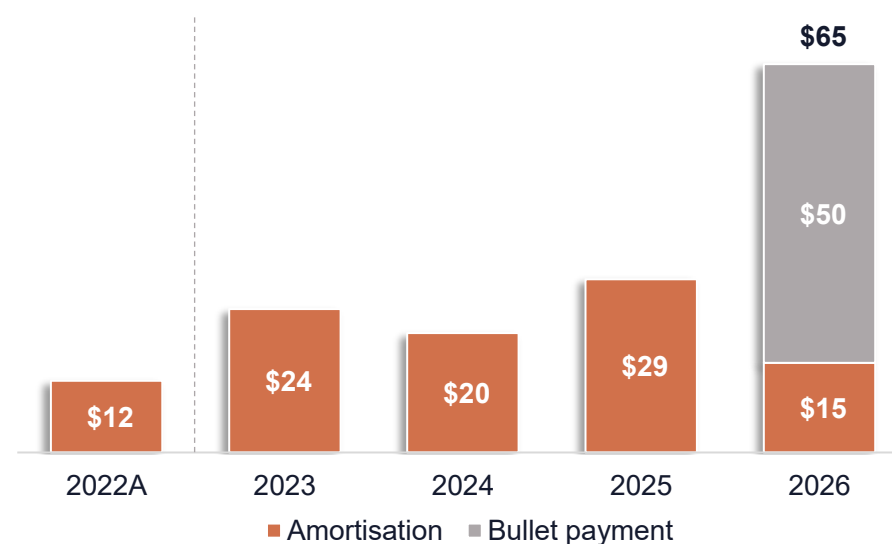
Strong balance and liquidity to support a guided soft Mar-Qtr

- Drawn Debt <sup>1</sup> of \$198m (2021: \$201m) following principal repayments of \$15m (US\$12m), offset by depreciation of AUD
- Balance sheet strength with Net Drawn Debt <sup>1</sup> of \$26m, including cash and cash equivalents of \$172m <sup>2</sup>
- Provision for stamp duty of \$26m maintained at 31-Dec-22
- Total Liquidity <sup>1</sup> of \$231m, comprised of cash and cash equivalents of \$172m <sup>2</sup> and \$59m <sup>3</sup> of undrawn working capital ('WC') facility

**Net Drawn Debt <sup>1</sup>**  
As at 31-Dec-22 (\$m)



**Amortisation profile – term loan facility**  
(US\$m)



<sup>1</sup> Net Drawn Debt and Drawn Debt, Total Liquidity are non-IFRS financial information metrics. Refer to the important information at the beginning of this presentation regarding the use of non-IFRS financial information metrics in this presentation. <sup>2</sup> Excludes cash balances set aside for rental security deposits and IPO proceeds retained by 29Metals under the Cash Backed Indemnity Deed. Refer to Note 39 of the Group's Consolidated Financial Statements for the year ended 31 December 2022 for further information regarding the Cash Backed Indemnity Deed. <sup>3</sup> Amount available to be drawn under the working capital facility is US\$40m, converted to Australian Dollars at the exchange rate on 31 December 2022 0.678 (Source: FactSet).

# Definitions of Non-IFRS Financial Information Metrics

METRIC	DEFINITION
<b>AISC</b>	is all-in sustaining costs, and is calculated as C1 Costs plus royalties cost, corporate costs, sustaining capital and capitalised development costs, but excludes growth capital and exploration. AISC is cited per pound of payable copper sold and in \$ million terms.
<b>C1 Costs</b>	is mining costs, processing costs, maintenance costs, site general & administrative costs, realisation costs including shipping and logistics costs), and treatment and refining charges, adjusted for stockpile movements and net of by-product credits (non-copper metal related). C1 Costs is cited per pound of payable copper sold and in \$ million terms.
<b>Cu-eq</b>	<p>is <i>copper equivalent contained metal</i>. Cu-eq converts zinc, gold, silver and lead metal produced (contained metal-in-concentrate) to copper equivalent metal on an economic basis. Cu-eq is calculated by applying metal prices and actual or assumed metallurgical recovery. Cu-eq calculations do not apply adjustments for payability or selling costs which differ between metals and between operating sites.</p> <p>Cu-eq metrics cited in this report apply the following commodity price and metallurgical recovery assumptions:</p> <p>2021 Cu-eq production applies actual average metals prices (Source: FactSet) for on a quarterly basis and actual metallurgical recovery. Actual quarterly average prices are:</p> <ul style="list-style-type: none"> <li>▪ Cu: Q1-21 US\$8,490/t, Q2-21: US\$9,682/t, Q3-21: US\$9,365/t, Q4-21: US\$9,685/t</li> <li>▪ Zn: Q1-21 US\$2,749/t, Q2-21: US\$2,913/t, Q3-21: US\$2,991/t, Q4-21: US\$3,365/t</li> <li>▪ Au: Q1-21 US\$1,794/oz, Q2-21: US\$1,815/oz, Q3-21: US\$1,789/oz, Q4-21: US\$1,795/oz</li> <li>▪ Ag: Q1-21 US\$26.3/oz, Q2-21: US\$26.6/oz, Q3-21: US\$24.3/oz, Q4-21: US\$23.3/oz</li> <li>▪ Pb: Q1-21 US\$2,017/t, Q2-21: US\$2,123/t, Q3-21: US\$2,338/t, Q4-21: US\$2,327/t</li> </ul> <p>2022 Cu-eq production applies actual average metals prices (Source: FactSet) on a quarterly basis and actual metallurgical recovery. Actual quarterly average prices are:</p> <ul style="list-style-type: none"> <li>▪ Cu: Q1-22 US\$9,998/t, Q2-22: US\$9,538/t, Q3-22: US\$7,751/t, Q4-22: US\$8,006/t</li> <li>▪ Zn: Q1-22 US\$3,758/t, Q2-22: US\$3,932/t, Q3-22: US\$3,280/t, Q4-22: US\$3,002/t</li> <li>▪ Au: Q1-22 US\$1,887/oz, Q2-22: US\$1,873/oz, Q3-22: US\$1,727/oz, Q4-22: US\$1,729/oz</li> <li>▪ Ag: Q1-22 US\$24.0/oz, Q2-22: US\$22.7/oz, Q3-22: US\$19.2/oz, Q4-22: US\$21.2/oz</li> <li>▪ Pb: Q1-22 US\$2,335/t, Q2-22: US\$2,206/t, Q3-22: US\$1,978/t, Q4-22: US\$2,101/t</li> </ul>
<b>Drawn Debt</b>	is amounts drawn under Group debt facilities, excluding bank guarantees issued under the Group bank guarantee facility, letters of credit ('LC') issued under the Group LC facility and insurance premium funding.
<b>EBITDA</b>	<p>is earnings before finance income, finance costs, any unrealised foreign exchange gains or losses, any realised and unrealised gains or losses on derivative financial instruments, income tax expense and D&amp;A.</p> <p>Because EBITDA eliminates all gains and losses on forward commodity contracts (copper) and swaps (gold), the non-cash charges for D&amp;A, and unrealised foreign exchange gain or losses, 29Metals considers that EBITDA is useful to help evaluate the operating performance of the business without the impact of those items, and before finance income and finance costs and tax charges, which are significantly affected by the capital structure and historical tax position of 29Metals.</p> <p>Reconciliations of EBITDA to NPAT are set out on page 25 of this presentation.</p>
<b>Net Debt</b>	is total debt including lease liabilities, insurance premium funding, derivative financial assets and liabilities less cash and cash equivalents (excluding cash held as rental security deposit and EMR Capital IPO proceeds retained by 29Metals under cash backed indemnity arrangements described in section 10.6.12.3 of the 29Metals Prospectus <sup>1</sup> ). 29Metals uses this measure to understand its overall credit position. Investors should be aware that cash and cash equivalents may be required for purposes other than debt reduction.
<b>Net Drawn Debt</b>	is Drawn Debt less cash and cash equivalents excluding cash held as rental security deposit and EMR Capital IPO proceeds retained by 29Metals under cash backed indemnity arrangements described in section 10.6.12.3 of the 29Metals Prospectus. <sup>2</sup> 29Metals uses this measure to understand its overall credit position. Investors should be aware that cash and cash equivalents may be required for purposes other than debt reduction.
<b>Royalties &amp; Other Selling Costs</b>	is the sum of government royalties and other production and selling costs, including freight.
<b>Site Operating Costs</b>	is the sum of mining costs, processing costs and site services costs.
<b>Total Available Liquidity</b>	is the sum of cash and cash equivalents (excluding cash held as rental security deposit and EMR Capital IPO proceeds retained by 29Metals under cash backed indemnity arrangements described in section 10.6.12.3 of the 29Metals Prospectus <sup>1</sup> ), and funds available to be drawn under 29Metals working capital facility.

<sup>1</sup> 29Metals Prospectus dated 21 June 2021, a copy of which was released to the ASX announcements platform on 2 July 2021 and is available via 29Metals' website at: <https://www.29metals.com/investors/asx-announcements>.



## Reconciliation of EBITDA to NPAT

	UNITS	2022	2021 <sup>1</sup>	VAR
<b>NPAT</b>	<b>\$'000</b>	<b>(47,222)</b>	<b>121,013</b>	<b>(168,235)</b>
Less: Income tax (expense)/benefit	\$'000	(18,594)	(103,236)	84,642
Add: Net finance costs	\$'000	19,172	30,262	(11,090)
Add: Depreciation and amortisation	\$'000	189,399	100,124	89,275
Add: Unrealised foreign exchange (gain)/loss	\$'000	4,172	17,993	(13,821)
Add: Net (gain)/loss on derivative financial instruments	\$'000	4,652	11,135	(6,483)
<b>EBITDA</b>	<b>\$'000</b>	<b>151,579</b>	<b>177,291</b>	<b>(25,712)</b>

<sup>1</sup> 2021 is the statutory result reported for the year ended 31 December 2021.

# Group Mineral Resources and Ore Reserves Estimates <sup>1</sup>

## Mineral Resources

Mineral Resources estimates at the Group level are the aggregation of Mineral Resources estimates for Golden Grove, Capricorn Copper and Redhill. Mineral Resources have been depleted for production to 31 December 2022 and are reported as at that date

		2022										2021							
Category	Asset	Tonnes Mt	Grade				Contained Metal				Tonnes Mt	Cu %	Zn %	Au g/t	Ag g/t	Cu kt	Zn kt	Au koz	Ag koz
			Cu %	Zn %	Au g/t	Ag g/t	Cu kt	Zn kt	Au koz	Ag koz									
Measured	Golden Grove	24.7	1.7	3.2	0.7	29	422	787	563	22,604	21.9	1.7	3.2	0.8	31	374	704	528	21,634
	Capricorn Copper	7.4	1.8	-	-	7	130	-	-	1,682	5.5	1.8	-	-	6	97	-	-	1,061
	Redhill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>32.0</b>	<i>Grades not additive</i>				<b>552</b>	<b>787</b>	<b>563</b>	<b>24,285</b>	<b>27.4</b>	<i>Grades not additive</i>				<b>471</b>	<b>704</b>	<b>528</b>	<b>22,695</b>
Indicated	Golden Grove	26.5	1.7	4.7	0.6	28	444	1,244	521	23,824	26.0	1.6	5.3	0.7	29	423	1,386	551	24,386
	Capricorn Copper	34.2	2.0	-	-	9	668	-	-	10,366	32.7	1.9	-	-	8	624	-	-	7,970
	Redhill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	<b>60.7</b>	<i>Grades not additive</i>				<b>1,112</b>	<b>1,244</b>	<b>521</b>	<b>34,190</b>	<b>58.7</b>	<i>Grades not additive</i>				<b>1,047</b>	<b>1,386</b>	<b>551</b>	<b>32,356</b>
Inferred	Golden Grove	10.3	1.6	4.3	0.6	30	161	442	199	9,785	10.5	1.5	4.6	0.7	30	160	483	220	10,009
	Capricorn Copper	20.6	1.7	-	-	8	343	-	-	5,215	22.6	1.6	-	-	7	360	-	-	5,334
	Redhill	4.3	1.7	-	0.3	33	71	-	40	4,611	4.3	1.7	-	0.3	33	71	-	40	4,611
	<b>Total</b>	<b>35.2</b>	<i>Grades not additive</i>				<b>576</b>	<b>442</b>	<b>239</b>	<b>19,612</b>	<b>37.4</b>	<i>Grades not additive</i>				<b>592</b>	<b>483</b>	<b>260</b>	<b>19,954</b>
Measured, Indicated & Inferred	Golden Grove	61.4	1.7	4.0	0.7	28	1,027	2,473	1,284	56,213	58.4	1.6	4.4	0.7	30	957	2,573	1,299	56,029
	Capricorn Copper	62.2	1.8	-	-	9	1,141	-	-	17,263	60.8	1.8	-	-	7	1,081	-	-	14,365
	Redhill	4.3	1.7	-	0.3	33	71	-	40	4,611	4.3	1.7	-	0.3	33	71	-	40	4,611
	<b>Total</b>	<b>127.9</b>	<i>Grades not additive</i>				<b>2,240</b>	<b>2,473</b>	<b>1,323</b>	<b>78,087</b>	<b>123.4</b>	<i>Grades not additive</i>				<b>2,109</b>	<b>2,573</b>	<b>1,338</b>	<b>75,006</b>

Note, estimates reported in the table above are subject to rounding (one significant figure). Additional elements - Pb, Co, As, S and Fe – not shown in the table above are reported in underlying Mineral Resources estimates for assets (where applicable).

<sup>1</sup> Refer to important information at the beginning of this presentation regarding references to Mineral Resources and Ore Reserves estimates.



# Group Mineral Resources and Ore Reserves Estimates <sup>1</sup>

## Ore Reserves

Ore Reserves estimates at the Group level are the aggregation of Ore Reserves estimates for Golden Grove and Capricorn Copper. Ore Reserves have been depleted for production to 31 December 2022 and are reported as at that date

		2022								2021									
Category	Asset	Tonnes	Grade				Contained Metal				Tonnes	Cu	Zn	Au	Ag	Cu	Zn	Au	Ag
			Mt	%	%	g/t	g/t	kt	kt	koz									
Proved	Golden Grove	5.2	1.8	3.2	0.7	23	92	169	109	3,862	3.2	1.7	2.8	0.9	34	54	88	96	3,404
	Capricorn Copper	1	1.7	-	-	10	20	-	-	400	1	1.7	-	-	7	20	-	-	200
	<b>Total</b>	<b>6.6</b>	<i>Grades not additive</i>				<b>112</b>	<b>169</b>	<b>109</b>	<b>4,262</b>	<b>4.1</b>	<i>Grades not additive</i>				<b>74</b>	<b>88</b>	<b>96</b>	<b>3,604</b>
Probable	Golden Grove	9.9	1.7	5.8	0.7	28	168	575	221	8,823	9.6	1.9	5.9	0.8	32	182	567	238	9,905
	Capricorn Copper	14	1.7	-	-	13	250	-	-	5,800	12	1.8	-	-	10	210	-	-	3,800
	<b>Total</b>	<b>24.4</b>	<i>Grades not additive</i>				<b>418</b>	<b>575</b>	<b>221</b>	<b>14,623</b>	<b>21.2</b>	<i>Grades not additive</i>				<b>392</b>	<b>567</b>	<b>238</b>	<b>13,705</b>
Proved & Probable	Golden Grove	15.1	1.7	4.9	0.7	26	260	744	330	12,685	12.7	1.9	5.1	0.8	33	236	655	334	13,309
	Capricorn Copper	16	1.7	-	-	12	280	-	-	6,300	13	1.8	-	-	10	220	-	-	4,100
	<b>Total</b>	<b>31.0</b>	<i>Grades not additive</i>				<b>540</b>	<b>744</b>	<b>330</b>	<b>18,985</b>	<b>25.3</b>	<i>Grades not additive</i>				<b>456</b>	<b>655</b>	<b>334</b>	<b>17,409</b>

Note, Golden Grove estimates reported in the table above, other than silver, are rounded to one decimal place. Estimates for silver are rounded to zero decimal places. For Capricorn Copper, estimated Proved and Probable Ore Reserves tonnes have been rounded to the nearest 1Mt. For Capricorn Copper, aggregate estimates of contained Cu metal have been rounded to the nearest 10kt, estimates of contained silver have been rounded to the nearest 100koz. Additional metals – Pb and As – are reported in underlying Ore Reserves estimates for assets (where applicable).

The combined total for Golden Grove and Capricorn Copper are rounded to the nearest 0.1Mt.

<sup>1</sup> Refer to important information at the beginning of this presentation regarding references to Mineral Resources and Ore Reserves estimates.

**29**

**Metals**

**Unlocking value  
to empower the future**