

# Earaheedy – Emerging World Class Zinc-Lead-Silver Resource in Western Australia



### Earaheedy: Globally Significant Maiden Resource



#### Maiden Sulphide, pit constrained; Inferred Mineral Resource Estimate (MRE):

**94Mt** @ **3.1% Zn+Pb and 4.1g/t Ag** (at a 2% **Z**n+Pb cutoff) for

2.2Mt Zinc, 0.7Mt Lead and 12.6Moz Silver of contained metal

- Large scale, low-cost open pit mining proposition in premier mining jurisdiction of Western Australia
- Represents one of the largest zinc sulphide discoveries globally over the last decade
- Highly leveraged to the global renewable energy transition

#### **Exceptional resource growth and Tier 1 scale potential**

- Deposits remain open with less than 35% of the 45km Unconformity Unit effectively drill tested
- High grade MVT deposit targets in fertile underlying carbonate formations untested
- Significant potential to increase to Super Giant category (>300Mt)

#### **Excellent metallurgical results**

 High recoveries and marketable concentrate grades support a potential simple low Capex and Opex flowsheet

#### **Project Optionality**

• The Pit Constrained MRE hosts a **41Mt higher-grade component** >3% Zn+Pb cut-off **and a very large 462Mt component** > 0.5% Zn+Pb cut-off that could be upgraded through beneficiation







# **Corporate Overview**



| Capital Structure (RTR:ASX)                     |        |       |  |  |
|---|--------|-------|--|--|
| Shares On Issue                                 | (m)    | 626.7 |  |  |
| Unlisted Options <sup>1,2</sup>                 | (m)    | 19.75 |  |  |
| Market Capitalisation <sup>3</sup>              | (A\$m) | 119   |  |  |
| Cash and Listed<br>Shares (31 December<br>2022) | (A\$m) | 9.5   |  |  |
| Debt  | (A\$m) | Nil   |  |  |
| Enterprise Value <sup>3</sup>                   | (A\$m) | 109.5 |  |  |

#### Notes

- 1. 4.75 million 58c Options (Various Expiry)
- 2. 15.0 million Performance Options Vesting 20c, 30c, 40c, 50c (vested) \$1 & \$2 (unvested)
- 3. As at 15 April 2023

| <b>Research Analyst Coverage</b> | Researc | h Anal | yst C | coverage | • |
|----------------------------------|---------|--------|-------|----------|---|
|----------------------------------|---------|--------|-------|----------|---|



**Bradley Watson** 

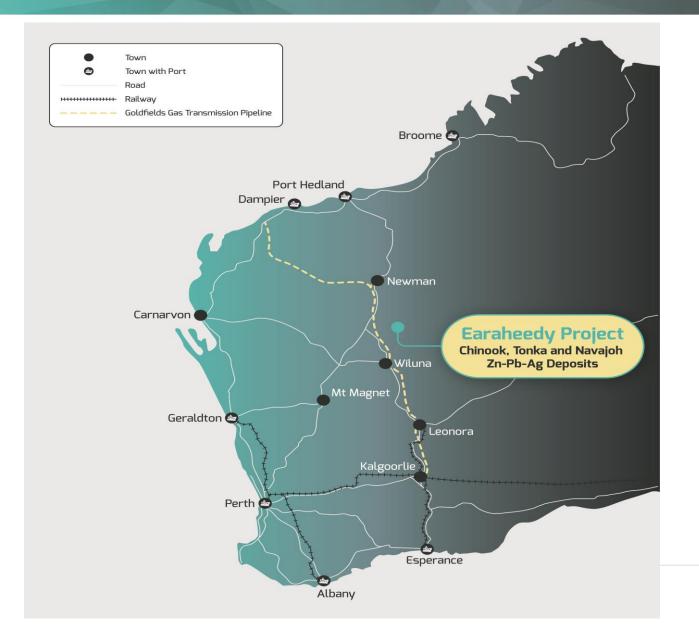
| <b>Board of Directors</b>               | Management  |
|---|---|
| Shane Sikora<br>Managing Director       | Brett Keillor<br>Head of Technical                |
| Peter Venn<br>Non-Executive Director    | Ben Jones<br>Chief Geologist                      |
| Geoff Jones Non-Executive Director      | Mark Carder<br>GM of Operations                   |
| Michael Smith<br>Non-Executive Director | <b>Luke Timmermans</b> Project Manager, Earaheedy |
| Matthew Banks Non-Executive Director    | Trevor Hart Chief Financial Officer               |

| Shareholders                |     |
|-----------------------------|-----|
| <b>Board and Management</b> | 9%  |
| Top 20                      | 29% |



### Major Zinc Sulphide Discovery in Western Australia





- Major sedimentary hosted base metal discovery in the Earaheedy Basin announced on 19 April 2021
  - Chinook discovery hole intersected:
  - 34m @ 4.22% Zn+Pb from 66m, incl.
    15m @ 6.97% Zn+Pb, from 74m
- Maiden JORC compliant Mineral Resource Estimate in 24 months
- Maiden resource based on 658 holes for 102,000m of drilling
- Zinc Sulphide dominant (up to 10:1 Zn:Pb)
- Represents one of the largest zinc discoveries globally in past decade
- Located 100km north of Wiluna in Western Australia; a world class mining jurisdiction with access to major highways, power, rail, ports and mining workforce

# Globally Significant Pit Constrained Maiden Resource



Table A: Maiden Inferred Mineral Resource tabulation for the Earaheedy Project.

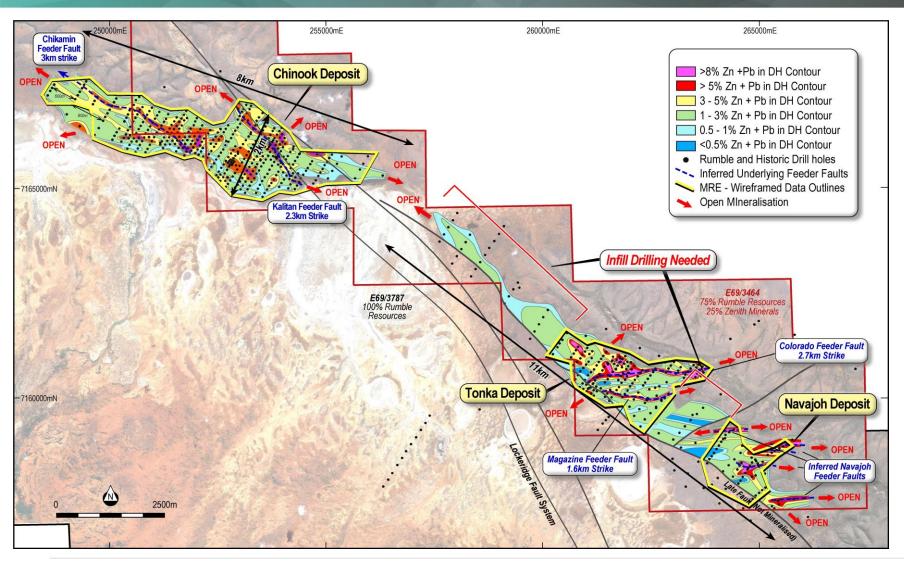
| Cut off | Inferred – Chinook |       |     |     | Inferred – Tonka and Navajoh |        |       | Inferred Total |     |     |        |       |     |     |     |
|---------|--------------------|-------|-----|-----|------------------------------|--------|-------|----------------|-----|-----|--------|-------|-----|-----|-----|
| Zn+Pb   | Tonnes             | Zn+Pb | Zn  | Pb  | Ag                           | Tonnes | Zn+Pb | Zn             | Pb  | Ag  | Tonnes | Zn+Pb | Zn  | Pb  | Ag  |
| %       | Mt                 | %     | %   | %   | g/t                          | Mt     | %     | %              | %   | g/t | Mt     | %     | %   | %   | g/t |
| 0.5     | 334                | 1.3   | 0.9 | 0.4 | 2.3                          | 128    | 1.5   | 1.2            | 0.2 | 1.9 | 462    | 1.3   | 1.0 | 0.3 | 2.2 |
| 1.0     | 135                | 2.1   | 1.5 | 0.6 | 3.4                          | 59     | 2.3   | 2.0            | 0.4 | 2.6 | 194    | 2.2   | 1.6 | 0.5 | 3.1 |
| 2.0     | 63                 | 3.0   | 2.1 | 0.8 | 4.6                          | 31     | 3.3   | 2.8            | 0.5 | 3.4 | 94     | 3.1   | 2.4 | 0.7 | 4.2 |
| 2.5     | 39                 | 3.4   | 2.4 | 0.9 | 5.2                          | 25     | 3.5   | 3.0            | 0.5 | 3.6 | 65     | 3.4   | 2.6 | 0.8 | 4.5 |
| 3.0     | 24                 | 3.8   | 2.7 | 1.1 | 5.7                          | 17     | 3.9   | 3.3            | 0.6 | 3.8 | 41     | 3.8   | 3.0 | 0.9 | 4.9 |
| 4.0     | 7                  | 4.7   | 3.3 | 1.5 | 6.8                          | 5      | 4.9   | 4.1            | 0.8 | 4.3 | 12     | 4.8   | 3.6 | 1.2 | 5.7 |

Footnote: Inferred Mineral Resource is constrained within optimised pit shells and tabulated above at different economic Zn+Pb% cut offs.



# **Exceptional Resource Growth Potential**



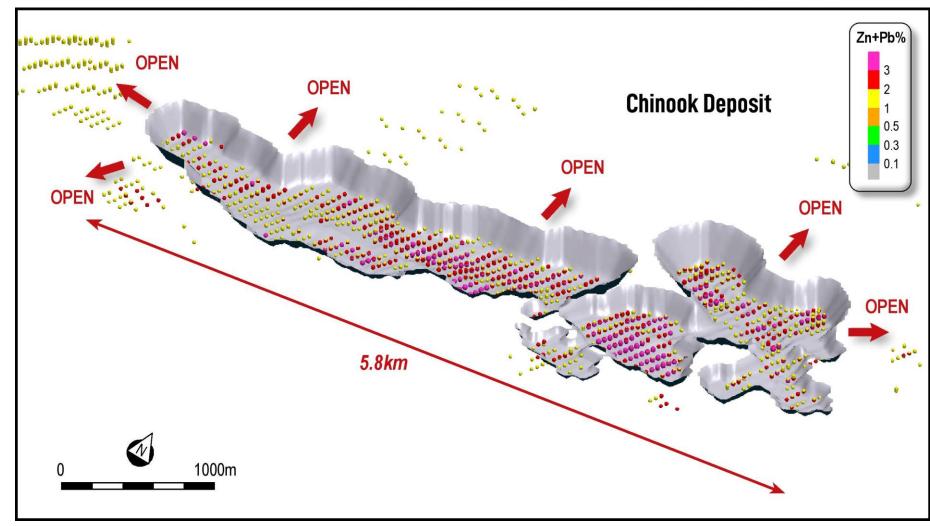


- Inferred resources constrained to closer spaced drilling with potential to significantly grow resources with extensional drilling
- Exceptional resource growth potential with deposits open in all directions
- Mineralisation intersected in broad spaced drilling outside of inferred resource areas highlights the potential for new resource discoveries
- Potential to discover highgrade MVT and fault related resources beneath inferred resource area in underlying formations



## **Chinook Deposit: Optimised Pit**





- Optimised pits highlight potential for a large tonnage, low-cost open pit mining scenario
- Higher Grade resources close to surface highlight optionality
- Optimised open pits constrained to depth of drilling
- Significant resource growth potential with deposit open in all directions
- Potential to discover highgrade MVT and fault related mineralisation beneath inferred resource area in underlying carbonate formations

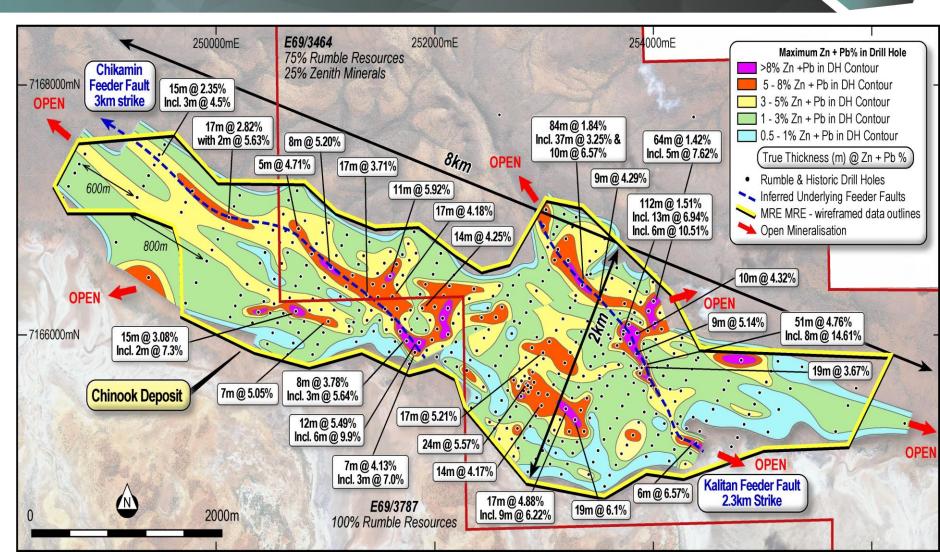
Image: NW view of pits >1.5%Zn+Pb COG



### **Chinook: Resource Growth Potential**



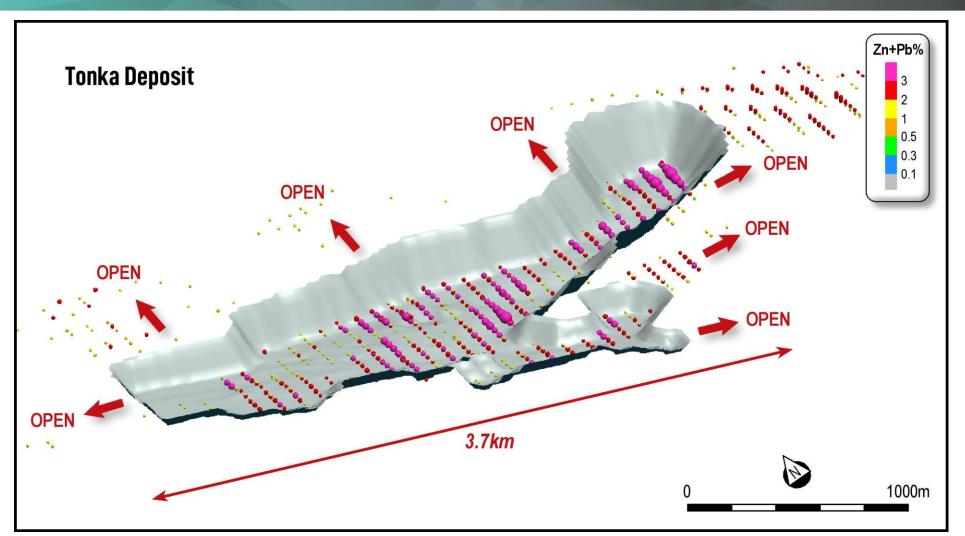
- 8km x 2km Navajoh unconformity Zn-Pb mineralisation (host to Zn-Pb Pit Constrained Resources) remains open along strike and down dip
- Chikamin and Kalitan highgrade feeder structures (>5%
   >8%) Zn-Pb remain open
- Potential to discover high-grade MVT and fault related resources beneath inferred resource area in underlying carbonate formations (evidenced by 6m @ 10.51% Zn+Pb & 8m @ 14.61% Zn+Pb in interpreted feeder zone)
- Zinc sulphide dominant (approximately 3:1 Zn:Pb)





### Tonka Deposit: Optimised Pit





- Optimised pits highlight potential for a large tonnage, low-cost open pit mining scenario
- Optimised open pits constrained to depth of drilling
- Significant resource growth potential with deposit open in all directions
- Potential to discover highgrade MVT and fault related mineralisation beneath inferred resource area in underlying carbonate formations

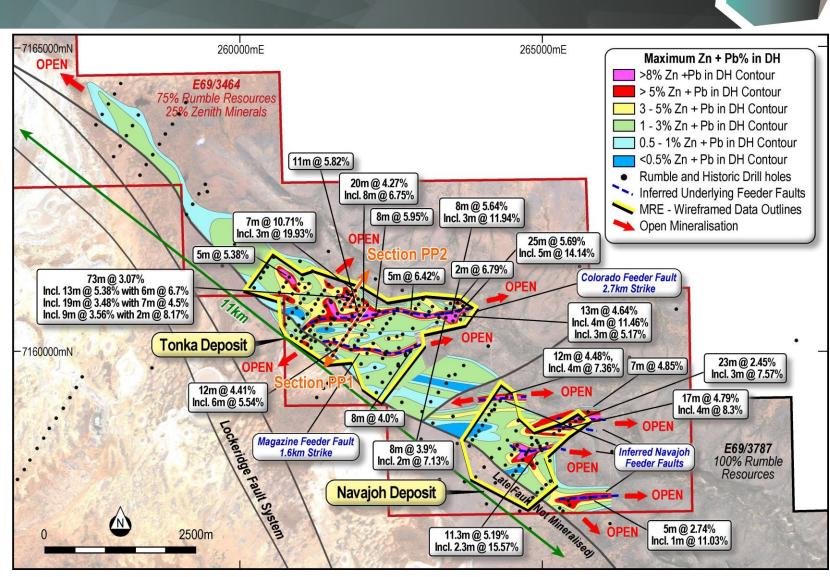
Image: NE view of pits >1.5%Zn+Pb COG



# Tonka and Navajoh: Resource Growth Potential



- 11km x 2km Navajoh unconformity Zn-Pb mineralisation (host to Zn-Pb Pit Constrained Resources) remains open along strike and down dip
- Colorado, Magazine and Navajoh high-grade feeder faults (>5% >8%)
   Zn-Pb remain open
- Mineralisation intersected in broad spaced drilling outside of inferred resource areas highlights the potential for new resource discoveries
- Potential to discover high-grade MVT and fault related resources beneath inferred resource area in underlying carbonate formations (evidenced by 3m @ 19.93% Zn+Pb & 5m @ 14.14% Zn+Pb in interpreted feeder zone)
- Zinc sulphide dominant (up to 10:1 Zn:Pb)

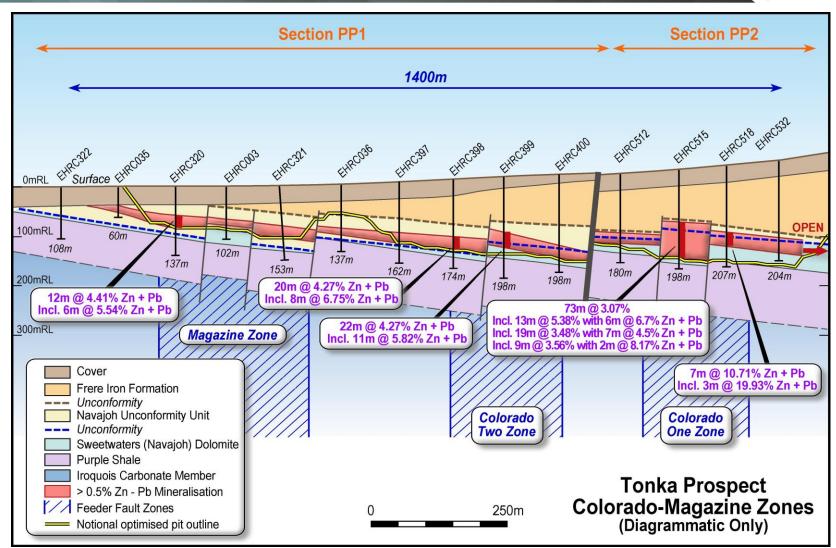




# Flat Lying, Feeder Faults with Open Pit Potential



- Shallow and flat lying Zn-Pb mineralisation hosted in Navajoh Unconformity Unit Sweetwaters Well Dolomite - Only formations tested to date
- Potential large scale open pit mine development
- Potential free dig scenario –
   Low-cost waste removal
- Colorado and Magazine higher
   Grade Zn-Pb Feeder Faults –
   Untested at depth
- Significant potential to discover high-grade MVT and fault related mineralisation beneath inferred resource area in underlying carbonate formations -Untested

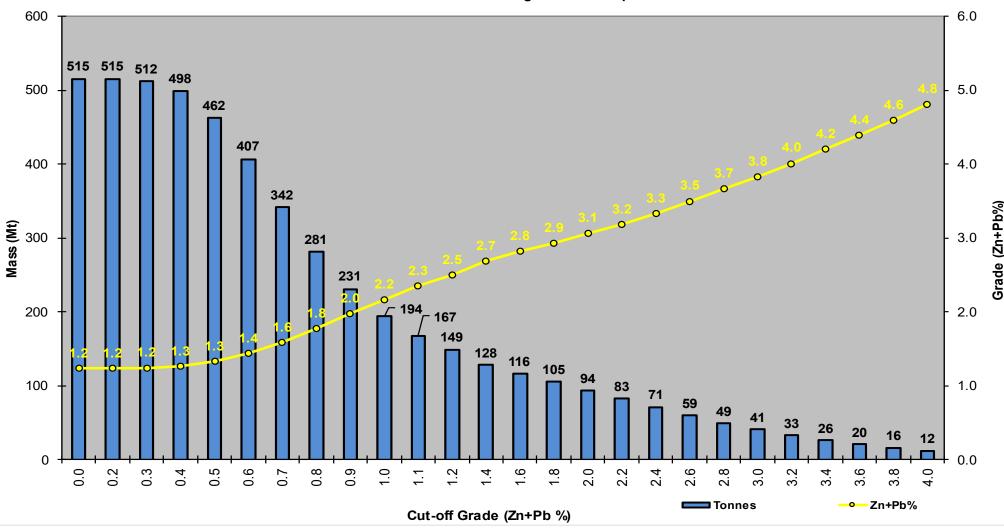




# **Grade Tonnage Curve – Development Optionality**









### Metallurgy – A Highly Marketable Concentrate



- High zinc recoveries to 90% Zn in cleaner concentrates
- Coarse grind size (150 micron)
- Fast flotation with clean sulphide separation in site water
- Simple and conventional process flowsheet - low capex/opex potential
- Zinc concentrate grade to 59% Zn is highly marketable
- Higher end of global benchmark to current developers and producers
- **Considerable potential for further** metallurgical improvements (optimisation and beneficiation)

| PROSPE    | PROSPECT CHINOOK |                | TOT          | NKA       | Average | Average  |
|-----------|------------------|----------------|--------------|-----------|---------|----------|
| Composi   | te               | A - EHS001/002 | B - EDH019   | C- EDH027 | Tonka   | Combined |
| Host      |                  | Unconformity   | Unconformity | Dolomite  |         |          |
| Feed Gra  | ndes             |                |              |           |         |          |
| Zn        | %                | 3.92           | 4.72         | 1.25      |         |          |
| Pb        | %                | 2.33           | 0.49         | 0.15      |         |          |
| Rougher   | Recoveries       |                |              |           |         |          |
| Zn        | %                | 86.1           | 89.6         | 96.7      | 93.2    | 90.8     |
| Pb        | %                | 63             | 82.3         | 82.1      | 82.2    | 75.7     |
| Cleaner F | Recoveries       |                |              |           |         |          |
| l Zn      | %                | 78.6           | 84.2         | 89.6      | 86.9    | 84.1     |
| Pb        | %                | 41             | 72           | 70        | 70.8    | 60.8     |
| Cleaner C | Concentrate      | Grades         |              |           |         |          |
| Zn        | %                | 44.5           | 58.8         | 49.6      | 54.2    | 51.0     |
| Pb        | %                | 13.7           | 5.2          | 4.8       | 5.0     | 7.9      |
| Zn+Pb     | %                | 58.3           | 64.0         | 54.4      | 59.2    | 58.9     |

| Table: Metallurgical Testwork Summary – incl Rougher Recoveries / Cleaner Recoveries and Concentrate Grades |                      |                             |                       |                           |              |                       |        |
|---|----------------------|-----------------------------|-----------------------|---------------------------|--------------|-----------------------|--------|
| Company   | <b>New Century</b>   | Glencore                    | MMG                   | MMG                       | Vedanta Zinc | <b>Teck Resources</b> | Rumble |
| Project   | Century <sup>1</sup> | McArthur River <sup>2</sup> | Rosebery <sup>3</sup> | Dugald River <sup>3</sup> | Gamsberg 4   | Red Dog 5             | Tonka  |
|   |                      |                             |                       |                           |              |                       |        |
| Zn Concentrate Grade  | 48%                  | 47%                         | 54%                   | 50%                       | 50%          | 55%                   | 54%    |
|   |                      |                             |                       |                           |              |                       |        |
| Zn Recoveries   | 51%                  | N/A                         | 82%                   | 88%                       | N/A          | 86%                   | 87%    |

**Table:** Tonka Earaheedy Zinc Recoveries and Zinc Concentrate vs Global Producers



1 New Century Resources Limited - Quarterly Activities Report Dec-21,

<sup>4 –</sup> Vedanta Zinc - Wood Mackenzie August 2018 (N/A – information not available)

<sup>5 -</sup> Teck Resources Limited - Q2 2022 Financial Report

# Metallurgy – No Penalty Elements



| Company | New Century | Glencore       | Glencore MMG V |          | Teck    | Rumble          |
|---------|-------------|----------------|----------------|----------|---------|-----------------|
| Project | Century     | Mcarthur River | Dugald River   | Gamsberg | Red Dog | Tonka Earaheedy |
|         |             | % Unle         | ess otherwise  | stated   |         |                 |
| Fe      | 3           | 5.9            | 11             | 8.9      | 5.0     | 6.6             |
| Mn      | <0.15       | <0.01          | 2              | 2.6      | < 0.01  | <0.2            |
| SiO2    | 5           | 4.6            | 3.5            | 2        | 4.5     | 1.35            |
| Cd      | 0.12        | 0.12           | <0.1           | <0.1     | 0.4     | TBD             |
| As      | <0.01       | 0.2            | 0.02           | <0.01    | 0.02    | <0.1            |
| Hg      | <50 ppm     | 40 ppm         | 15 ppm         | 22 ppm   | 80ppm   | TBD             |
| Pb      | 8           | 4.6            | 0.2            | 0.1      | 3.8     | 5               |
| S       | 28.5        | 30             | 31             | 29.4     | 31.7    | 33.7            |
| Ag      | 150 ppm     | 130ppm         | 80 ppm         | 2 ppm    | 150ppm  | TBD             |

Table: Tonka Earaheedy Low Penalty Elements vs Global Producers (orange - penalties apply)



### Potential DMS & Ore Sorting benefits



- Rumble will trial DMS and Ore Sorting in 2023 for the mineralisation outside the higher-grade Zn-Pb zones benefits include;
  - Technique can increase on average ore grade by 2-5 times Examples in Table below
  - Removes waste early which can significantly lower the CAPEX and OPEX
  - Flotation recoveries can generally be increased with higher head grade
  - Environment Reduce tailings
  - Greater optionality and productivity

|   | Project                                  | DMS & Ore Sorting Examples  |
|---|--|---|
| 1 | Pering (Zn-Pb)<br>South Africa           | <ul> <li>Resource 50Mt @ 1.1% Zn and 0.3% Pb – MVT Type Open Pit Deposit</li> <li>DMS delivered 4x upgrade (3.9% Zn and 1.1% Pb)</li> <li>DMS rejected 80% of waste</li> </ul>                    |
| 2 | Sabre's Border (Zn-Pb)<br>Namibia        | <ul> <li>Resource 16.2Mt @ 1.53% Zn and 0.59% Pb – MVT Type Open Pit Deposit</li> <li>DMS delivered 8 x Upgrade (12.5% Zn and 6.3% Pb)</li> <li>DMS rejected 83% of waste</li> </ul>              |
| 3 | Sorby Hills (Pb-Ag) Western<br>Australia | <ul> <li>Resource 13.5Mt @ 3.6% Pb and 40g/t Ag (~2.6% ZnEq) MVT Type Open Pit Deposit</li> <li>DMS delivered 2.5 x Upgrade of lower grade material</li> <li>DMS rejected 70% of waste</li> </ul> |



Source:

Pering Mine economic statement 31st December 2010,

Sabre Resources ASX announcement 24th January 2012 - <a href="https://www.asx.com.au/asxpdf/20120124/pdf/423xbbgrpfxhy4.pdf">https://www.asx.com.au/asxpdf/20120124/pdf/423xbbgrpfxhy4.pdf</a>

Boab Metals Asx announcements 19th November 2021 <a href="https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf">https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf</a> & 25th August 2020 - <a href="https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf">https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf</a> & 25th August 2020 - <a href="https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf">https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf</a> & 25th August 2020 - <a href="https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf">https://boabmetals.com/wp-content/uploads/2021/11/20211119-2303039-DFS-Met-Testwork-results.pdf</a>

# Discovery Potential – Tip of the Iceberg



#### Targets 1 & 2 - Unconformity Zn-Pb-Ag

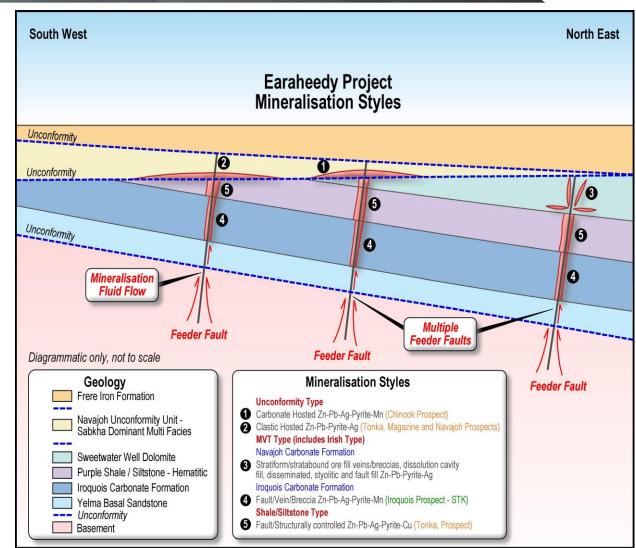
- Flat lying Zn-Pb-Ag at Chinook, Tonka and Navajoh Prospects
- Only style currently drill testing

#### **Target 3 - MVT Type Zn-Pb-Ag**

- Historic drilling intersected MVT Zn-Pb-Ag
- Multiple targets to be tested in 2023
- Untested to date

#### Target 4 & 5 - High Angle Fault/Feeder Zone Zn-Pb-Ag

- Strickland Metals intersected high-grade Zn-Pb in the Iroquois
- Rumble drilling intercepted Zn-Pb-Cu in the Purple Shale
- Multiple targets to be tested in 2023
- Untested to date





### Tier 1 Scale Potential

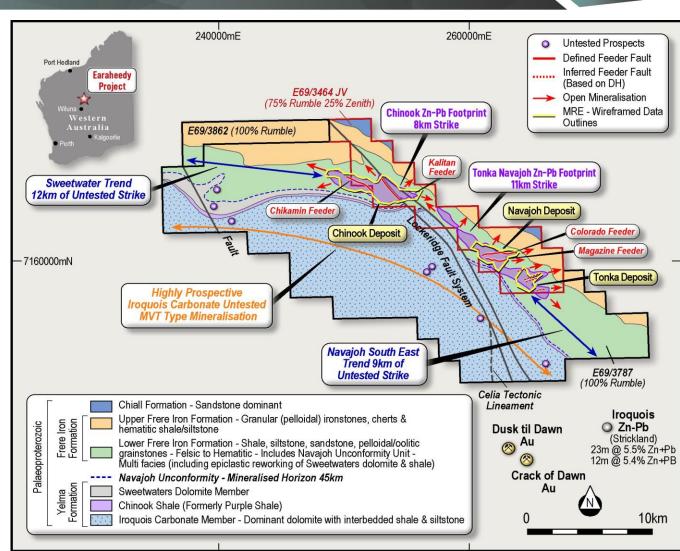


#### 45km Unconformity (Targets 1-5) Strike

- Chinook Prospect mineralised footprint is 8km x 2km open in all directions
- Tonka Prospect mineralised footprint is 11km x 2km open in all directions
- 12km of the Sweetwater Trend untested
- 9km of Navajoh Southeast Trend untested
- MVT and structurally hosted high-grade underground deposits in underlying geological formations - Untested
- High Angle Fault/Structure Copper system untested

#### 35km of Iroquois Carbonate Strike (Target 4)

 Limited historic drilling intercepted Zn-Pb and Strickland's drill results along trend, highlights potential for near surface MVT deposits - untested





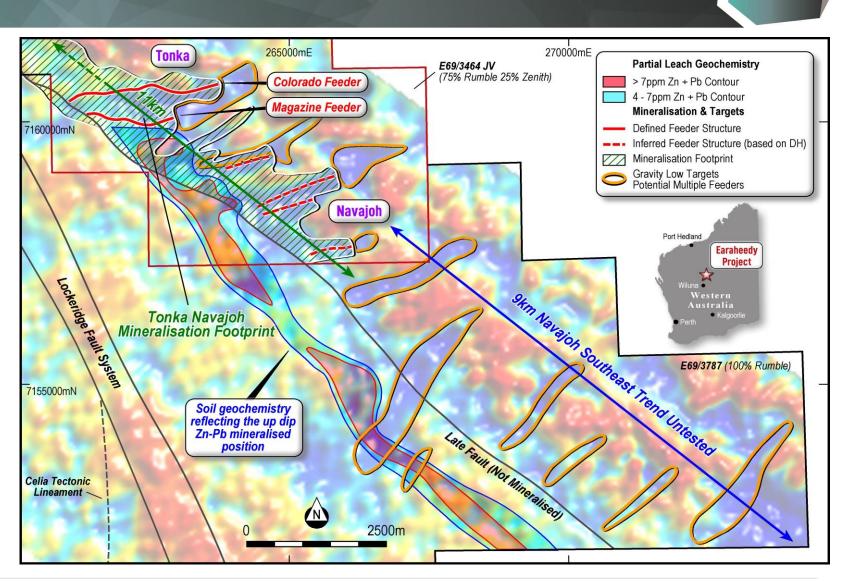
### Tonka/Navajoh Southeast Trend: High-Grade Feeder Targets

#### **Tonka/Navajoh Prospect**

- Gravity gradient interpretation has shown strong association with gravity lows and high-grade Zn-Pb feeder faults
- Soil geochemistry is reflecting the up dip Zn-Pb mineralised position
- Numerous gravity lows has defined new untested high grade feeder fault targets and extensions to feeders within the prospect

#### **Navajoh Southeast Trend - Untested**

- Soil geochemistry returned equivalent or higher tenor Zn-Pb mineralisation than the Navajoh Prospect along the entire 9km's
- Numerous gravity lows along the entire 9km represent new untested high grade feeder fault targets





### Zinc's Role in a Low-Carbon Economy



### Zinc is a critical mineral for renewal energy storage

Offshore wind turbines require a zinc coating to handle extreme environmental conditions



A 10 MWh offshore wind turbine required 4 tonnes of zinc



Zinc coatings protect solar panel fixtures and prevent rust

A 100 megawatt hour (MWh) solar power park requires 240 tonnes of zinc

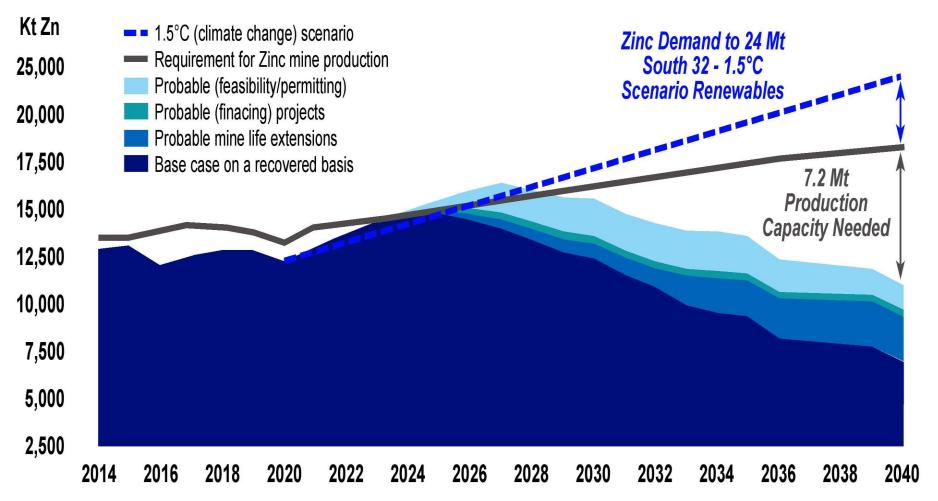


- 1 Zinc is a key ingredient in battery technology that enables carbon emission reduction
- 2 Zinc-ion batteries are safer than lithium-ion batteries as they use water-based chemistry (avoiding fires)
- 3 Galvanised steel requires zinc and is the preferred material used by EV manufacturers



### Forecast Zinc Production and Future Supply Deficit





- Zinc inventories at historic lows
- Supply Deficit 4 out of 10 major producers estimated to have less than 10 years remaining of mine life
- Supply Expected to fall
   3.5% pa to 2030 due to depleted mines
- Demand Significant production increase required by 2040
- Underinvestment globally for discoveries
- New mines are essential to meet demand

Source: S32 Analysis and Wood Mackenzie



Source: \* Wood Mackenzie

<sup>\*</sup> South 32 (17-1-22) - 1.5° (Climate Change Scenario): https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d\_4

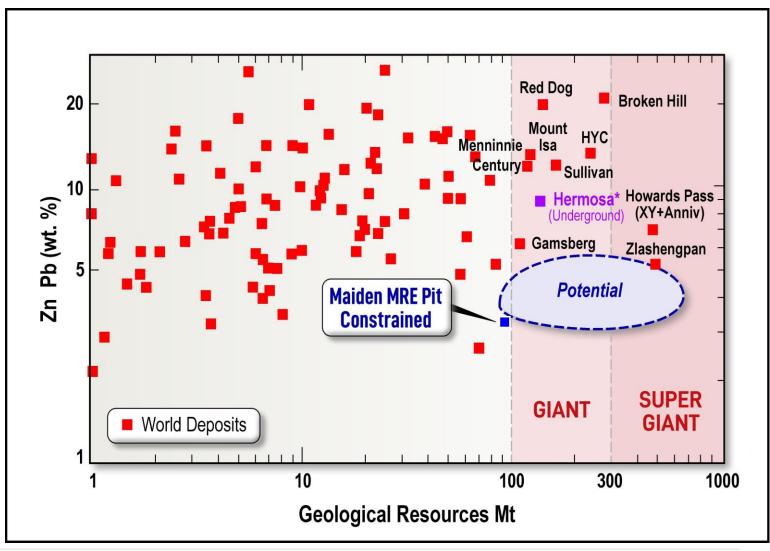
<sup>• 6</sup> x increase in renewable energy capacity to 2050, with wind increasing by 10x and solar by 14x

Primary Zinc Demand increasing 2x to 24mt

# One of the largest undeveloped zinc deposits globally



- Maiden MRE: 94Mt @ 3.1% Zn+Pb Sulphide
   Optimised Pit Constrained
- Globally only 8% of zinc is mined open pit significantly lower mining costs
- Few deposits that have comparable scale –
   Globally significant discovery
- 92% of zinc is mined underground –
   Substantially higher mining costs
- High potential to discover new MVT and structurally hosted high-grade underground deposits in underlying geological formations
- Recent Zn-Pb asset transaction:
  - South 32 purchased Hermosa Deposit Arizona (underground Zn-Pb mine) for US\$1.3bn (A\$2.0bn)\*





Source

<sup>• \*</sup> South 32 deal of Hermosa: 18-6-18 - https://www.south32.net/docs/default-source/exchange-releases/south32-to-acquire-arizona-mining-in-agreed-all-cash-offera845e39935e04d52bba69904f73c039a.pdf?sfvrsn=d6597986\_4

### Sustainability







- Diversity in the workforce
- Utilising the local community stakeholders and suppliers to create a positive contribution to the region
- Recognise and engagement with traditional owners
- Growing employment opportunities
- Incorporate best practice environmental principles
- Sponsor Murlpirrmarra Connection a not-for-profit organisation that provide Aboriginal youth in Wiluna support throughout secondary school



### Near Term Catalysts at Earaheedy



- 1. Drill Program Planned for 2023
  - Target high-grade feeder structures at Chinook, Tonka and Navajoh and expand on maiden resources
  - Target high-grade feeder structures along the untested 9km
     Navajoh Southeast Trend and 12km Sweetwater Trend
  - Sonic drilling for beneficiation testing and enhance classification
- 2. Flotation optimisation and testing beneficiation techniques in 2023
- 3. Scoping Studies to commence in 2023



Photo: Head of Technical Brett Keillor and Chief Geologist Ben Jones studying Zn-Pb mineralisation



# **Appendix**



## **Building a Team to Deliver Earaheedy**



#### **Board of Directors**

|   | Shane Sikora<br>Managing Director                             |
|---|---|
| • | Founding member of Rumble appointed Managing Director in 2015 |

 Over 20 years in business development, public relations, strategy, project acquisitions, capital raisings, financial partners and joint ventures

#### Peter Venn Non-Executive Director

- Geologist with over 30 years experience
- Exploration and Development of 10+ mining operations across Africa and Australia
- Previously Chief Business
   Development Officer at Resolute
   Mining Limited

### Geoff Jones Non-Executive Director

- Civil engineer with over 30 years experience
- CEO for MACA interquip and ex MD for GR Engineering Services Limited (ASX: GNG)
- Previously Group Engineer for Resolute Mining, developed mines in Australia, Ghana and Tanzania.

### Matthew Banks Non-Executive Director

- · Founding member of Rumble
- Over 20 years specialising in marketing, public relations and corporate finance
- Executive director of Wildcat Resources (ASX: WC8)

### Michael Smith Non-Executive Director

- Founding member of Rumble
- Chartered Accountant with over 25 years experience
- Fellow of the Taxation Institute of Australia, member of ICAA's Forensic Accounting Special Interest Group

#### **Senior Management**

#### Brett Keillor Head of Technical

- Geologist with over 30 years experience
- Senior roles and discoveries with Resolute Mining and Independence Group
- Twice recipient of the AMEC Award "Prospector Of The Year" for the Plutonic (5.5Moz Au), and Tropicana Gold (7.6M Oz Au) Deposits

### Mark Carder GM of Operations

- Geologist with over 20 years experience
- Held senior geological roles with Crescent Gold, BC Iron, Carrick Gold, Millennium Minerals and Lynas Corporation
- Specialises in resource modelling and economic assessment

#### Ben Jones Chief Geologist

- Geologist with over 20 years experience
- Senior roles at Evolution Mining, Independence Group, Jabiru Metals Ltd and AngloGold Ashanti
- Oversaw feasibility of 1Moz of Sunrise Dam Au Deposit, 7.6Moz Tropicana Au Deposit and Stockman 14mt Cu-Pb-Zn deposit

### Luke Timmermans Project Manager, Earaheedy

- Geologist with over 10 years experience
- Senior roles with Gold Fields, Red 5 and Essential Metals
- Co-lead team that increased King of the Hills Au deposit to over 3Moz and oversaw feasibility studies and mill construction

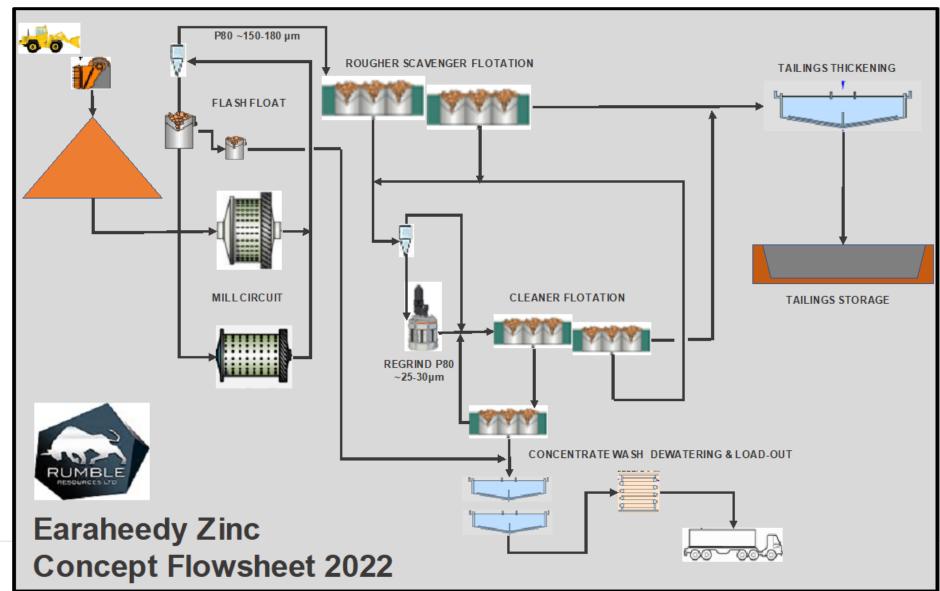
### Trevor Hart CFO

- Certified Practicing accountant with over 25 years experience in mining industry serving on boards and executive management teams
- Recently Develop Global Limited (ASX: DVP) CFO, instrumental in the company acquiring the Woodlawn Zinc/Copper mine and \$400m in underground mining services contracts



# Metallurgy – Conceptual Process Flowsheet

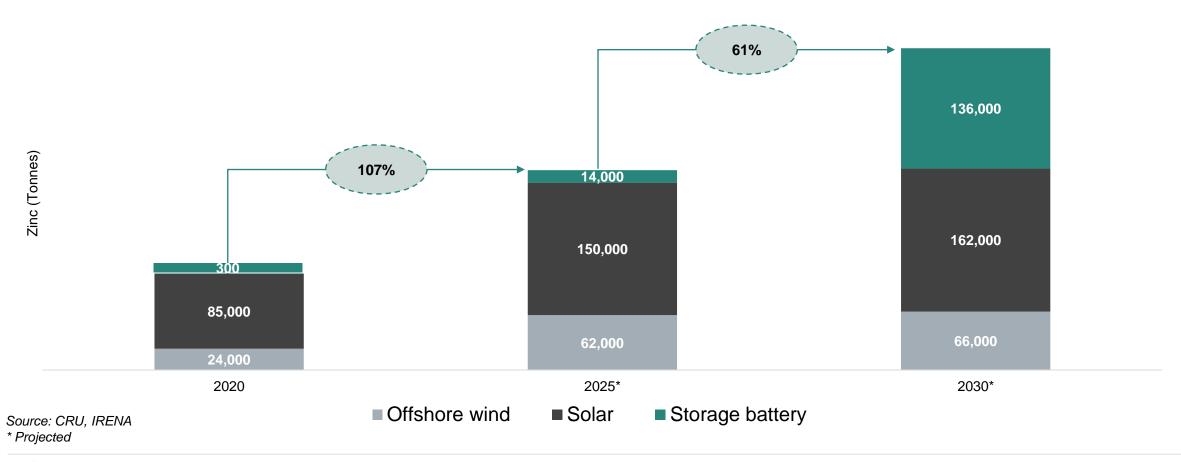




### Zinc Uses in Renewables



### Accelerated investment and adoption of renewable energy is leading to growing zinc demand





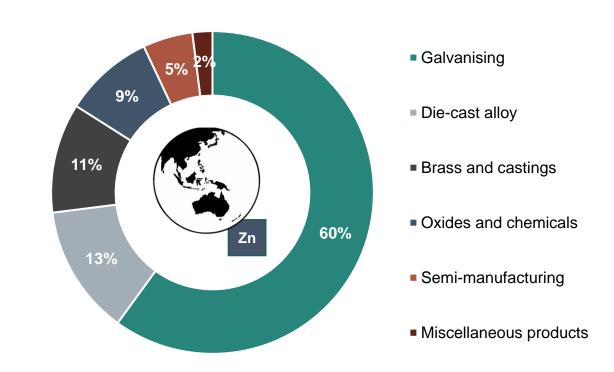
### Global Zinc Uses



#### **Overview**

- Zinc is one of the most versatile and essential materials known to mankind. It is the fourth most used metal in the world behind iron, aluminum, and copper.
- The primary use of zinc is in the galvanizing process, which protects iron and steel from rusting. Zinc coatings play a key role in public transportation and infrastructure by extending the life of steel used in bridge rails and support beams, railway tracks, and public transportation hubs and terminals.
- Additionally, zinc can be alloyed with other metals and used for diecasting into shapes such as door handles, alloyed with copper to make brass, and alloyed with copper and sometimes other metals to make some types of bronze, like architectural bronze or commercial bronze.
- Furthermore, zinc also has applications in energy storage. Zinccarbon batteries were the first commercial dry batteries, providing a higher energy density at a lower cost than previously available cells.
- Due to its growing role in energy storage and its superior ability to protect metals against corrosion, zinc remains an essential material for the future.

#### **Uses**



Source: Natural Resources Canada



# Analogy: Pering Open Pit Mine, South Africa



- Pering Zinc-Lead discovery made in 1978 by BHP Billiton
- 70km Southwest of Vryburg, Northwest region of South Africa
- Mined by a joint venture comprising Shell & BHP Billiton
- 20.5Mt mined at 2.6% Zn & 0.6% Pb over 17 years
- 1.2Mtpa mined from two open pits to 120m
- Zn prices averaged US\$0.60/lb between 1988 2005, in 2022 US\$1.40/lb

#### Recent DMS processing enhancements at Pering

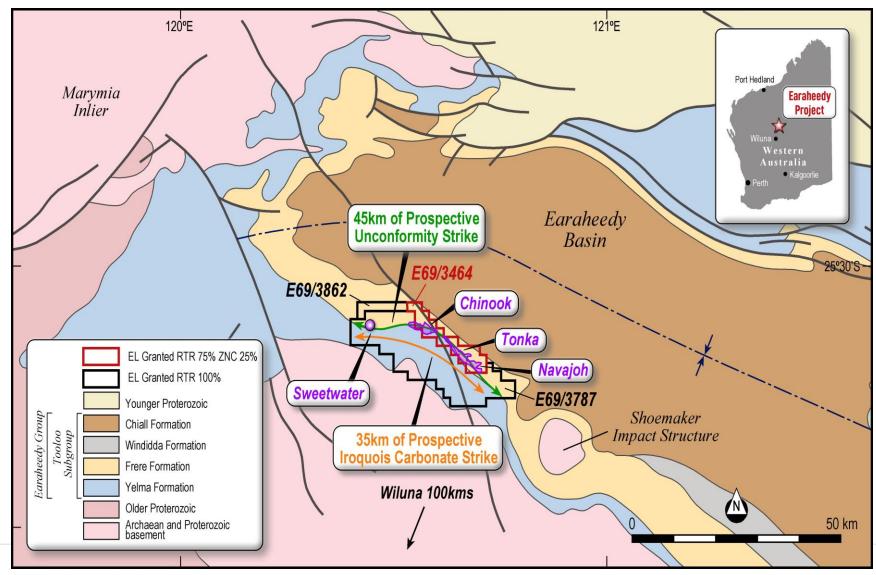
- Successful preconcentration DMS studies were completed on current reserves (51.3Mt @ 1.1%Zn 0.3%Pb) in 2010 by Mintek, South Africa for PBM Pty Ltd
- DMS PEA Study produced:
  - 3-4 times increase to 4.2% Zn and 1.0% Pb
  - 80% rejection of waste





### **Earaheedy Basin – New Zinc Province**



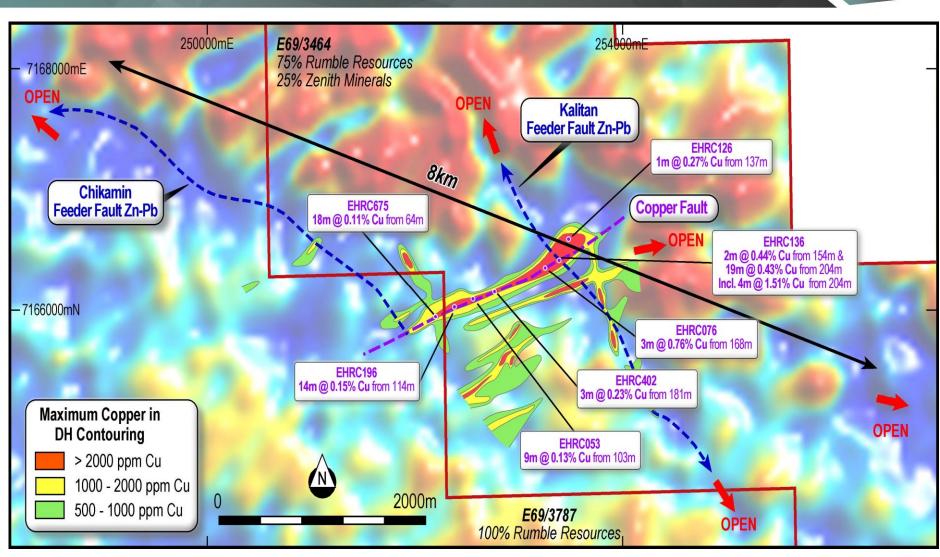




## **Chinook: Copper Potential**



- Vertical drill holes targeting flat lying Zinc-Lead mineralisation discovered vertical fault/structure related copper, with associated molybdenum, tungsten and nickel in a newly recognised polymetallic system
- The polymetallic system is a separate mineralising event to the unconformity and MVT style Zinc-Lead mineralisation
- Multiple intersections over
   2km in a NE trending fault
- Rumble to target Copper potential with angled holes

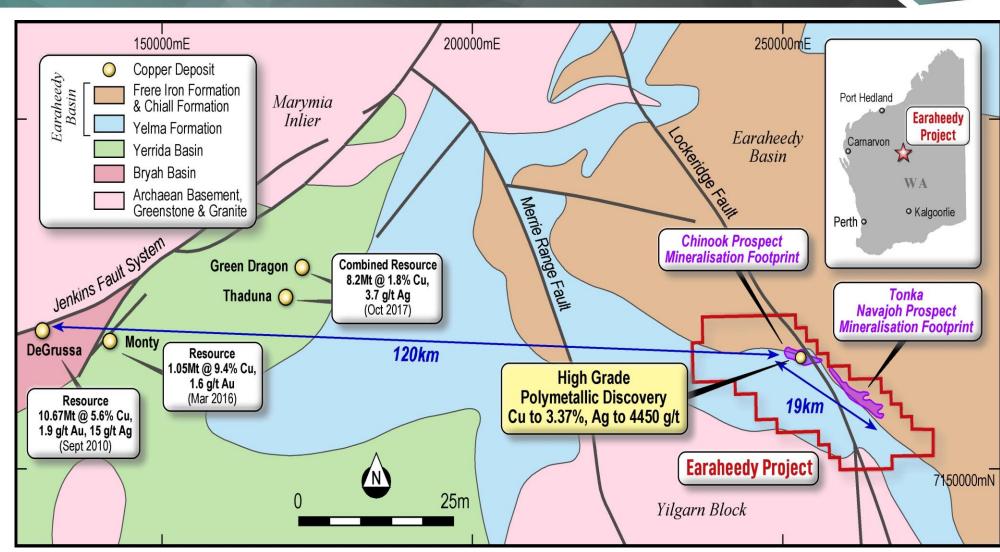




# **Earaheedy Project - Regional Copper Deposits**



- Significant potential for independent copper dominant deposits throughout the Earaheedy Project yet to be drill targeted and tested
- Major copper deposits including the high-grade Degrussa Cu-Au-Ag VMS system occur in older Yerrida and Bryah Basins to the west (120km) of the Earaheedy project





# Rumble's Pipeline of Projects Strategy



#### **Project Pipeline Strategy**

- Generate a pipeline of projects at various stages of development
- Critically review each project to ensure capable of world class discoveries
- Negotiate low-cost upfront optionality
- · De-risked due to multiple avenues to discovery

#### **Targeting Valuable Discovery**

- Fast track low-cost drill target generation
- · Drill first order targets for discovery
- Technical team discovered multiple deposits that turned into mines

#### **Project Development**

 Establish a Board and Management experienced in developing discoveries into mines

#### **Gold Resources**

#### Western Queen Au Project

- Unmined open pit and underground resources of 163,268oz @ 2.42 g/t Au
- Significant high-grade intersections include:

6m @ 34.24 g/t Au, 6.3m @ 36.09 g/t Au, 7m @ 60.6 g/t Au & 6m @ 37.34 g/t Au

- Scope to significantly expand the resources at depth and discover new deposits along the 35kms of WQ shear zone strike to be drill tested
- High-Grade System Targets:
   Multiple high-grade gold open pit and underground deposits

| Classif<br>-cation | Tonnes<br>(t) |       | Au g/t | Contained<br>Metal |  |
|--------------------|---------------|-------|--------|--------------------|--|
| Ind.               | 1,069         | 9,218 | 1.95   | 67,145             |  |
| Inf.               | 1,02          | 7,954 | 2.91   | 96,123             |  |
| Total              | 2,097,172     |       | 2.42   | 163,268            |  |
| Cut-Off g/t        |               | 0/0   | @ 0.5  | UG @ 1.5           |  |

#### Four Advanced Projects, Large Scale Systems Discovered

#### Munarra Gully Au-Cu-Ag-Zn Project

- Amaryllis Prospect Large Scale Au-Cu-Ag-Zn system discovered with intercepts: 57m @ 0.85 g/t Au, 0.27% Cu, 4.2 g/t Ag and 10m @ 2.88 g/t Au, 0.54% Cu, 7.5 g/t Ag
- Over 2.3km's of Au-Cu-Ag up to 50m wide and open in all directions
- Over 15km's of strike untested
- Large Scale Targets:

Large Scale Chibougamau Au-Cu-Ag shear vein style type deposits

#### Warroo Cu-Zn-Pb-Ag-Au-U-Pt Project

- Waroo Hill member prospect 18km's of strike with extensive shallow copper to 3.43% and Zinc to 26% remains untested
- Potential New VMS Province
- Large Scale Targets:
   Large scale VMS type deposits

- . 60km's of mineralisation
- 30 Priority Cu-Au-Zn-Pb-Ag targets generated

Braeside Zn-Pb-Cu-AG-Au-V Project

- High-grade Pb-Zn-Ag breccia pipes discovered
- Broad Cu with Zn-Pb Intercepted Potential new VMS Province
- Large Scale System Targets:
   Large Scale porphyry related base metal and

Large scale porphyry related base metal and VMS deposits

#### Wardawarra Ni-Cu-Co-Ta-Nb-Sn-Li Project

- 20km x 2km Ultramafic sequence Prospective for Ni-Cu-Co-PGE - 19.8m @ 0.88% Ni & 0.1% Co
- Large Pegmatite swarm over 12kms of strike -Up to 5.32% Li2O
- 35km of Western Queen High-grade Gold Shear Zone
- Large Scale Targets:

Large Scale Ni-Cu-Co, Ta-Nb-Sn (Li-C-Rb-REE Potential) and Au deposits

### Two JV Projects in World Class Jurisdiction - Tier 1 Targets

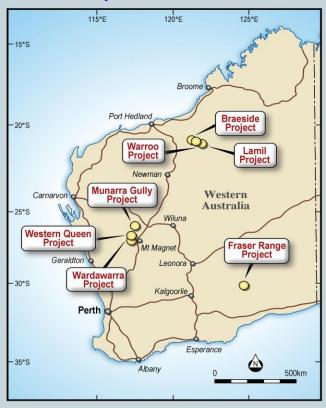
#### Lamil Cu-Au Project

- JV Project 50% Rumble and 50% AIC Mines (ASX:A1M)
- 26 Au-Cu targets located between world class Nifty & Telfer mines in Paterson Province
- Key target is Lamil Dome which has similar dome size, trend & inferred host rocks to the nearby Telfer Au-Cu Dome deposit (32Moz, 1Mt Cu resource)
- Tier 1 Targets:
   Large scale Au-Cu deposits

#### Fraser Range Ni-Cu-Au Project

- JV with major IGO Limited (ASX: IGO) on 2
- Two high-grade Au discoveries 16m @ 6.69 g/t Au & 6m @ 9.15 g/t au
- Magnetic low/gravity high targets & multiple EM conductors over a 12km Cu-Zn trend - 30km along strike from Mawsons Ni-Cu Discovery
- Tier 1 Targets:
  Large scale Ni-Cu and Au deposits

#### All Projects in Western Australia



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#### **Competent Person Statement:**

The Exploration Results referenced in this presentation were first announced by the Company in accordance with ASX Listing Rule 5.7 in its announcements dated 19<sup>th</sup> April 2023, 14<sup>th</sup> March 2023, 15<sup>th</sup> February 2023, 17<sup>th</sup> November 2022, 3<sup>rd</sup> November 2022, 29<sup>th</sup> September 2022, 30<sup>th</sup> August 202, 23<sup>rd</sup> August 2022, 18<sup>th</sup> July 2022, 26 May 2022, 27 February 2022, 31 January 2022, 21 December 2021, 18 November 2021, 18 November 2021, 18 October 2021, 8 July 2021, 2 June 2021, 19 April 2021, 23 February 2021, 17 February 2021, 15 February 2021, 3 February 2021, 3 February 2021, 4 November 2021, 4 November 2021, 4 November 2021, 28 January 2022, 26 November 2019, 2 August 2019, 2 August 2019, 2 August 2019, 1 July 2019, 4 April 2019, 1 July 2019, 4 April 2019, 1 February 2019, 17 December 2018, 27 November 2018, 30 August 2018 and 9 August 2018.

The Mineral Resource estimate for the Western Queen Project referenced in this presentation was first announcement dated 2 August 2021. The Mineral Resource estimate for the Earaheedy Project referenced in this presentation was first announcement dated 2 August 2021. The Mineral Resource estimate for the Earaheedy Project referenced in this presentation was first announcement dated 19 April 2023.

Rumble is not aware of any new information or data that materially affects the information included in the relevant market announcements described above and, in the case of the Mineral Resource estimate, that all material assumptions and technical parameters underpinning the estimate in the relevant market announcement continue to apply and have not materially changed.

#### Reference Source:

Slide 19 – Zincs Role in a low carbon economy -Source: International Zinc Association, A2Mac1, Slide 20 – Forecast Zinc Production and Future Supply Deficit - South 32 Analysis & Wood Mackenzie = 17-1-22 -): <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.911metallurgist.com/blog/SEDEX-sedimentary-exhalative-ore-deposits">https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation43ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation42ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation42ee85d99c0a4238ab2df792d986f3d3.pdf?sfvrsn=24bde72d 4 Slide 21 - Putting Earaheedy Scale in Perspective - 911 Metallurgist - <a href="https://www.south32.net/docs/default-source/exchange-releases/hermosa-project-update-presentation42ee85d99c0a4238ab2df792d98d



# Disclaimer



| Company                | Project                          | Status     | Source  |
|------------------------|----------------------------------|------------|---|
|                        |                                  |            | Fourth Quarter Production Report 2021 www.mmg.com/wp-content/uploads/2022/01/e_2022-      |
| MMG Limited            | Roseberry                        | Production | 01-24_4QTR-Production-Report.pdf  |
|                        |                                  |            | Fourth Quarter Production Report 2021 www.mmg.com/wp-content/uploads/2022/01/e_2022-      |
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| New Century            |                                  |            |   |
| Resources Limited      | Century                          | Production | ASX Announcement: Quarterly Activities Report Dec-21 (27-Jan-2022)                        |
|                        |                                  |            | Information Relating to Mineral Properties 17-Mar-22 https://minedocs.com/22/Nexa-Mining- |
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| Glencore plc           | Mcarthur River                   | Production | Wood Mackenzie, August 2018   |
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| Note: Peer specificati | epresent current specifications. |            |   |
| Table: Peer Comparis   | on Source Information            |            |   |



### Contacts



