

RARE INVESTMENT OPPORTUNITY



#### **STRATEGIC FOCUS**

- Discovering and proving up copper resources, an essential metal for a low carbon future
- Major source of ethical, Australian copper and cobalt
- On the hunt for Australia's next major IOCG deposit



#### **TIER 1 LOCATIONS**

- Elizabeth Creek; Olympic IOCG Copper Province, SA
  - 100% ownership of Elizabeth Creek
- Cameron River<sup>1</sup>; Mount Isa Inlier, QLD



#### **EXISTING JORC RESOURCES**

- 1.1Mt of Contained CuEq Defined
  - 43Mt @ 1.84% CuEq (Emmie Bluff)
  - 18Mt @ 1.14% CuEq (Windabout)
  - 1.8Mt @ 1.67% CuEq (MG14)
- Scoping study well advanced



#### **Three Distinct Value Drivers**

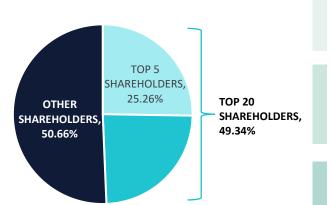
- Emmie Bluff advanced study stage Cu-Co
- Emmie IOCG major scale potential Cu-Au
- Exploration Opportunities VIC, NSW & QLD



## **CORPORATE STRUCTURE**

#### TOP 5 SHAREHOLDERS (as of 28 September 2022)

)	Rank	Shareholder	%IC
	1	ANGANG GROUP HONG KONG (HOLDINGS) LTD	9.55%
	2	MR KEITH FRANCIS JONES & MRS JENNIFER JONES	5.71%
	3	SUNSET CAPITAL MANAGEMENT PTY LTD	3.47%
	4	UBS NOMINEES PTY LTD	3.37%
	5	CITICORP NOMINEES PTY LTD	3.16%



COD ASX Code

\$0.26

Share Price 8 November 2022

**140,456,085**Ordinary Shares

\$37M Market Capitalisation

\$5.7M

Cash and Equivalents 30 September 2022

\$8.3M

Cash and Equivalents
7 November 2022

#### **CORPORATE STRUCTURE**

#### **Coda Minerals Ltd**

## **Emmie IOCG**

**Emmie IOCG** – Confirmed Mineralisation

Elaine IOCG – Advanced target

#### **Copper Cobalt**

Elizabeth Creek (SA) – 100%

Emmie Bluff, Windabout & MG14 – Advanced Scoping Study Cattlegrid South – Resource Estimation Underway

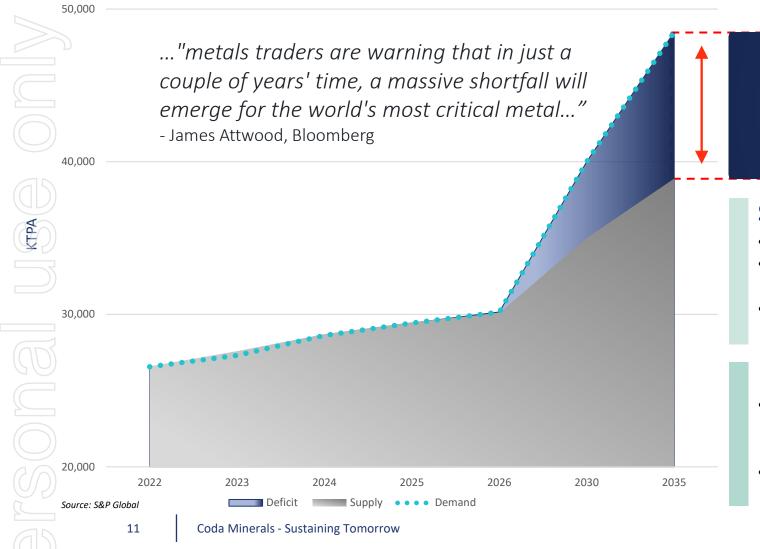
#### **Other Opportunities**

Cameron River (Qld) – Cu, Au – (Up to 80%) Club Terrace (Vic) – Au (100%) Balmoral (Vic) – REE, HMS, Au (100%) Laloki-Rigo (PNG) – Cu-Au (100%)



## **COPPER SUPPLY CHASM**

## Copper Supply and Demand Forecast



Forecast supply deficit up to 9.9 Mt in 2035

## **Supply Constraints**

- Existing mines are reaching their exhaustion point
- Low pipeline of upcoming high quality projects due to dwindling copper grades and rising input costs
- Downturn of copper prices disincentivise present exploration, exacerbating future supply issues

#### **Demand Drivers**

- Net-zero emission goals are driving the push for decarbonisation through renewable energy generation (wind & solar farms, battery storage) and electrification
- Electric vehicles expected to account for 1/5 of copper demand in 2035

# rsonal use only Elizabeth Creek – South Australia Sedimentary Copper-Cobalt and IOCG Copper-Gold in a large, synergistic copper rich system.

## OVERVIEW – ELIZABETH CREEK

## **ELIZABETH CREEK EMMIE BLUFF** Sedimentary: Cu-Co **EMMIE IOCG** 1.1Mt of JORC 2012 Contained CuEq Scoping study targeting H2 2022 Ongoing exploration IOCG: Cu-Au Major IOCG mineralised system identified Extensive geophysics campaign planned CENTRAL **ELAINE** High risk, high reward exploration **ZONE** WINDABOUT MG14 CATTLEGRID Cattlegrid South: Cu **SOUTH** Copper breccia prospect Extensive historical drilling Resource estimate underway Total Area: 701 km<sup>2</sup>

## **ASX COD**

JUN 2021 💝 IOCG mineralisation intersected 200m IOCG alteration with 50m of copper sulphide mineralisation **DEC 2021** — Coda delivers **43Mt** @ **1.84%** CuEq Maiden Cu-Co Resource at Emmie Bluff 100% ownership of Elizabeth Creek JUN 2022 C via Torrens acquisition Cattlegrid South Resource Estimate **DEC 2022** Scoping Study for Cu-Co Resources ANT Geophysics - IOCG & Cu-Co geophysics Gravity geophysics - IOCG & Cu-Co JUN 2023 🤤



## ADVANCED INDICATED RESOURCES

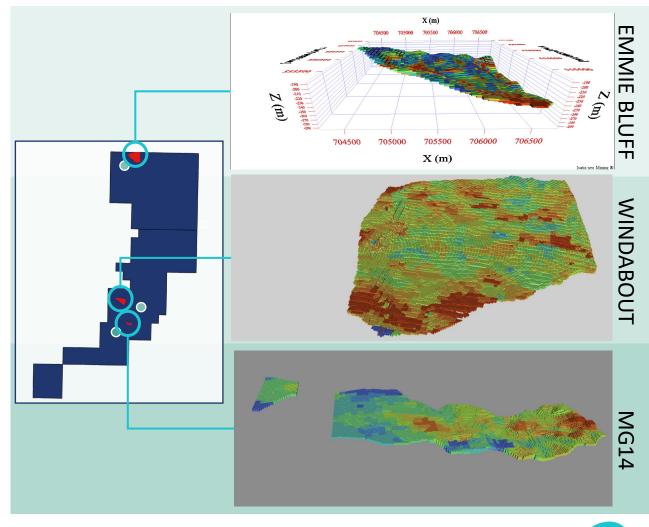
**1,100,000t** of Contained Copper Equivalent Across 3 JORC2012 deposits, 1 underground, 2 open pit.

- Mining Studies well **Advanced**
- Initial Flowsheet design Complete

Scoping Study advancing on time and budget

## **JORC 2012 Mineral Resources**

EXISTING JORC 2012 MINERAL RESOURCES										
	Category	Mt	Cu%	Co%	CuEq% <sup>6</sup>	Contained Cu (t)	Contained CuEq (t)			
Windabout <sup>1,2</sup>	Indicated	17.67	0.77	0.05	1.414	136,000	249,000			
MG14 <sup>1,2</sup>	Indicated	1.83	1.24	0.03	1.674	23,000	31,000			
Emmie Bluff <sup>1,3</sup>		43.3	1.30	0.047	1.84 <sup>5</sup>	562,000	797,000			
Total						721,000	<b>1,100,000</b> <sup>1</sup>			



<sup>&</sup>lt;sup>2</sup> (JORC 2012 Indicated) 0.5% CuEq. cut-off. See Gindalbie Metals ASX announcement on 19 January 2018 for Competent Person's statement and full deta

<sup>&</sup>lt;sup>3</sup> JORC 2012 Indicated) 1.0% CuEq. cut-off. See Coda Minerals ASX announcement on 20 December 2021 for Competent Person's statement and full details <sup>4</sup> Copper equivalent calculated using the following formula CuEq% = Cu% + 0.0012 × Co ppm

<sup>&</sup>lt;sup>5</sup> Copper equivalent calculated using the following formula CuEq% = Cu% + 0.00068 × Co ppm + 0.337 × Zn % + 90.3 × (Ag ppm)/10000

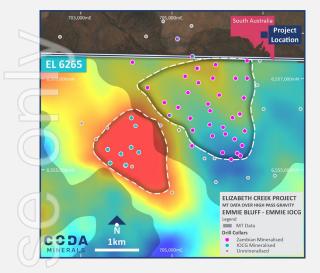
<sup>&</sup>lt;sup>6</sup> Although CuEq calculation differs between the resources, the company believe it is reasonable to compare and combine the contained tonnes

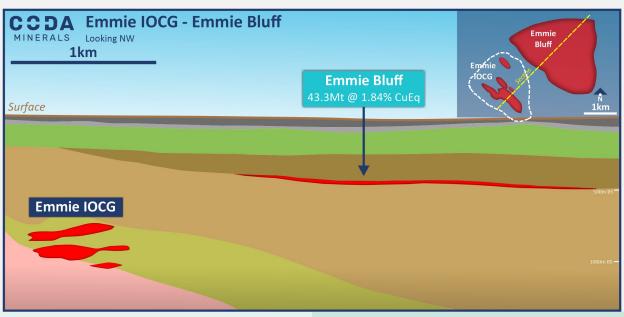
# EMMIE BLUFF INTEGRATED SCOPING STUDY

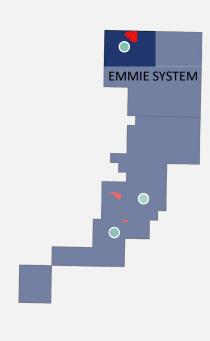
Material progress has been made on the Scoping Study with many inputs now complete or close to completion



## THE EMMIE SYSTEM





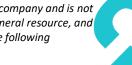


#### **EMMIE IOCG**

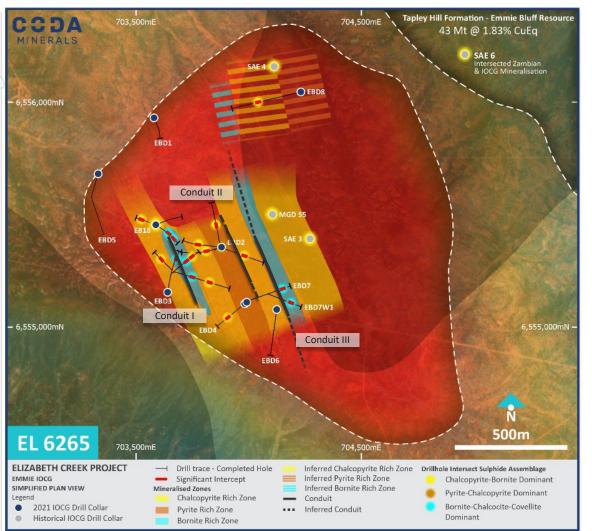
Large-scale, early stage copper-gold deposit approximately 400m below Emmie Bluff.

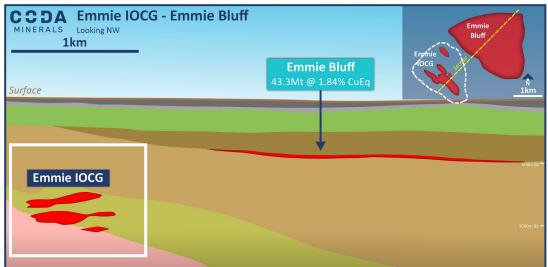
### **EMMIE BLUFF**

JORC 2012 Resource 43Mt@1.84% CuEq Sediment hosted Copper-Cobalt, approximately 400m deep.



## **EXPLORATION MODEL AT EMMIE IOCG**





EBD3W2	BORNITE DOMINATED CHALCOPYRITE DOMINATED	69m	803m 912m	<mark>27m @</mark> 42m @	2.0% Cu, 0.29 g/t Au 1.2% Cu, 0.28 g/t Au
EBD3W2A	BORNITE DOMINATED CHALCOPYRITE DOMINATED	10m 5m 37m	814m 832m 907m	10m @ 5m @ 37m @	2.9% Cu, 0.39 g/t Au 0.8% Cu, 0.32 g/t Au 1.0% Cu, 0.28 g/t Au
EB18W2	BORNITE DOMINATED	24m 13m	815m 902m	24m @ 13m @	2.2% Cu, 0.29 g/t Au 3.5% Cu, 0.64 g/t Au
EBD2W4	CHALCOPYRITE DOMINATED	43m	922m 980m	35m @ 8m @	1.0% Cu, 0.29 g/t Au 0.6% Cu, 0.04 g/t Au
EBD7	BORNITE DOMINATED	16m	812m	16m @	2.7% Cu, 37.5 g/t Ag

<sup>&</sup>lt;sup>1</sup> Figures been rounded to the closest meter for simplicity

<sup>&</sup>lt;sup>2</sup> Copper grades have been rounded to tenth degree for simplicity

## **NEAR-TERM GEOPHYSICAL EXPLORATION**

Advanced passive seismic technique applicable to IOCG and shale hosted exploration at Emmie System

## Acoustic Noise Tomography (ANT)

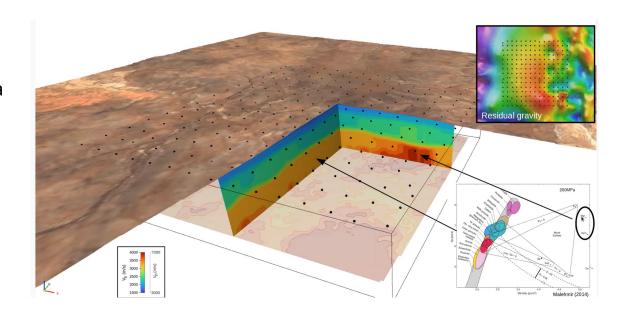
ANT is a technique that uses pervasive seismic noise to visualise a three-dimensional subsurface shear wave velocity model.

## Precise Drill Targeting for IOCG

- Detailed 3D subsurface model will
  - Define the pre-Pandurra palaeosurface,
  - Guage prospectivity of other local IOCG prospects; and
  - Allow for highly detailed 3D gravity modelling to precisely target deep drilling.

## **Broad Delineation of Copper-Cobalt Host Rocks**

- Detailed 3D subsurface model will
  - Further define the Emmie Bluff basin, and
  - Identify any additional sub basins/extensions beyond known Mineral Resources within approx. 5km.



## **Detailed Imaging**

Primary aims of the survey at Emmie Bluff will be the direct imaging of the palaeosurface to assist delineation of sub surface structures potentially associated with major mineralising conduits.

NB: Image for illustrative purposes only and does not relate to Coda's tenure. It is presented to reflect the broad nature of anticipated results from the application of technology to Emmie IOCG & Emmie Bluff



## **BROADER IOCG POTENTIAL**

## Priority Focus - Emmie IOCG

Ongoing drilling to extend and grow the Emmie IOCG mineralised footprint.

## Additional Opportunities - Elaine

Enormous, significantly underexplored gravity anomaly with unexplained low grade copper. Further drilling required

## Additional Opportunities - Other

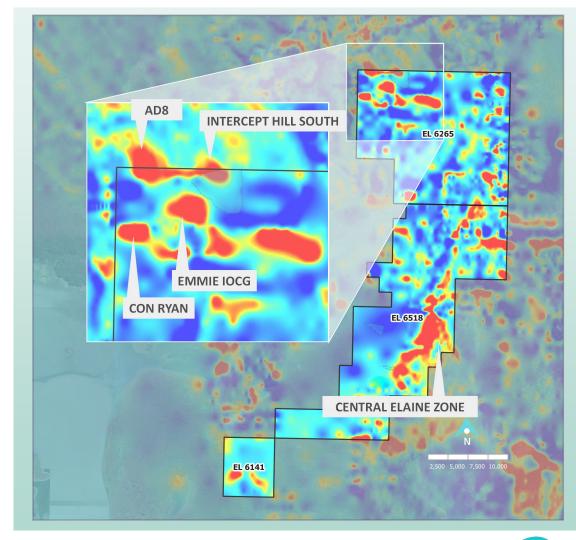
Elizabeth Creek remains **prime IOCG real estate** with numerous untested and undertested anomalies, including:

**Intercept Hill South:** Unexplained IOCG mineralisation immediately north of the tenement boundary, Gravity anomaly extends into Coda ground:

- IHAD 2 (80m of anomalism, peak grades 1.3% Cu, 0.18 g/t Au)<sup>1,2</sup>
- IHAD 5 (100m of anomalism, peak grades 10.5% Cu, 2.15 g/t Au)<sup>1,3</sup>

**AD8:** Geophysically attractive anomaly likely structurally related to Emmie IOCG, extends into Coda ground. No drilling to basement depth.

**Con Ryan:** Underexplored coincident magnetic/gravity anomaly immediately east of Emmie IOCG.



Numbers have been rounded

<sup>&</sup>lt;sup>3</sup> Drilled by Argo Exploration, 2008. Data extracted from SARIG Envelope 10328, available <a href="https://mer-env.s3.amazonaws.com/ENV10328.p">https://mer-env.s3.amazonaws.com/ENV10328.p</a>

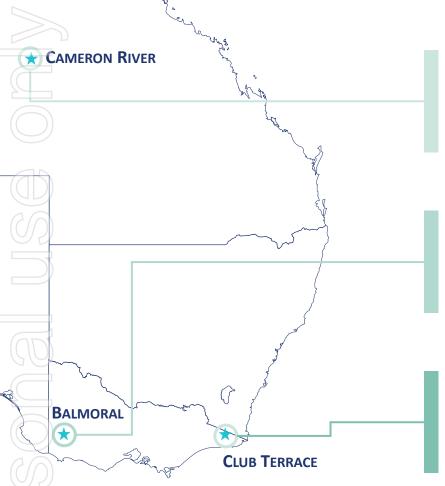


<sup>&</sup>lt;sup>2</sup> Drilled by Argo Exploration, 2007. Data extracted from SARIG Envelope 10328, available https://mer-env.s3.amazonaws.com/ENV10328.pc



## OTHER EXPLORATION OPPORTUNITIES

Coda owns exploration tenure in Queensland, Victoria and New South Wales



Coda Minerals - Sustaining Tomorrow

## Cameron River - (Cu-Au)

- Copper bearing system identified, with anomalous copper confirmed by pXRF
- Assays pending, anticipated late 2022/early 2023

## Balmoral - (REE, HMS, Au)

- 369km<sup>2</sup> exploration tenure in prime Victorian rare-earth and mineral sands province
- HMS prospectivity confirmed by historical drilling, anomalous >1g/t Au grades at surface

## Club Terrace - (Au)

- 751km<sup>2</sup> exploration tenure across Victorian and southern NSW
- Numerous targets including historical workings for gold and base metals



# WHY INVEST IN CODA



**FUTURE ALIGNED MINERALS** 

ENVIRONMENTAL COMMITMENT



**STRONG FOUNDATIONS** 

HIGHLY EXPERIENCED
BOARD



1.1MT OF CuEq

SCOPING STUDY
IMMINENT



**PROVEN SUCCESS** 

COMMITMENT TO EXPLORATION

**NEWS FLOW** 

COPPER-COBALT STUDY

**Scoping Study** 

**GEOPHYSICS** 

ANT Geophysics IOCG & Tapley

**CATTLEGRID SOUTH** 

Resource Estimate

H2 2022 H1 2023

- 1.1Mt CuEq in JORC Resources
- High reward exploration in a proven IOCG system
- Extensive historical drilling,
   Resource estimate underway



## ASX COD

## APPENDIX A: BOARD OF DIRECTORS & SENIOR MANAGEMENT

(WASM), FAUSIMM.



Keith Jones
NON-EXECUTIVE CHAIR

Chartered Accountant and senior mining industry leader with over 40 years of corporate advisory experience including former Chairman of Deloitte Australia and former Chairman of Cannings Purple. Currently Non-Executive Director of Ora Banda Mining.



Kudzai Mtsambiwa
CHIEF FINANCIAL OFFICER



Highly experienced exploration and mine geologist, past president of the AusIMM, former member JORC Committee. Senior roles including CEO PT Merdeka Copper Gold Tbk, EGM Minerals at Newcrest Mining Ltd, and Geology Manager at Gosowong Gold. Currently NED at Aeris Resources, Xanadu, and Sihayo Gold.

Chartered Accountant with 14 years' experience in the international resources sector. Lengthy career with West African-focused, Perseus Mining – where he held the roles of Group Planning & Business Analyst and Group Financial Controller for seven years. MSc in Mineral Economics (WASM).



Robin Marshall
NON-EXECUTIVE DIRECTOR

Experienced mining executive previously involved in managing the successful delivery of some of the world's largest resource projects, including Chairman of the Gruyere Steering Committee, major iron ore projects for BHP Billiton Iron Ore and North Ltd.



Matt Weber

**MANAGER - GEOLOGY** 

Over 25 years' experience in the corporate finance industry and extensive experience in Company Secretarial and Non-Executive Director roles with ASX, AIM and TSX listed companies. Susan is currently Company Secretary of several ASX listed companies.



Paul Hallam

NON-EXECUTIVE DIRECTOR

Accomplished resource industry leader who has been directly responsible for the delivery and operation of 11 gold, base metals, and iron ore projects over 40 years. Former executive at FMG, Newcrest and current NED of Sandfire Resources and Greatland Gold.

Exploration geologist and mineral economist with over a decade's exploration experience working with Rio Tinto and multiple exploration companies across Western Australia focussing on gold, iron ore and base metals. MSc in Mineral Economics (WASM).



More information regarding these directors can be found in Appendix B.





## **APPENDIX B: STATEMENTS**

#### **Mineral Resources & Competent Person Statement**

#### **Mineral Resources and Exploration Targets**

- 1. MG14 Indicated Mineral Resource: The information is extracted from the report entitled "Mt Gunson Copper-Cobalt Project Update" created on 19 January 2018 and is available to view on <a href="https://www.asx.com.au/asxpdf/20180119/pdf/43qxphjd18l2x0.pdf">https://www.asx.com.au/asxpdf/20180119/pdf/43qxphjd18l2x0.pdf</a>. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.
- 2. Windabout Indicated Mineral Resource: The information is extracted from the report entitled "Mt Gunson Copper-Cobalt Project Update" created on 19 January 2018 and is available to view on <a href="https://www.asx.com.au/asxpdf/20180119/pdf/43qxphjd18l2x0.pdf">https://www.asx.com.au/asxpdf/20180119/pdf/43qxphjd18l2x0.pdf</a>. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.
- 3. Emmie Bluff Mineral Resource: The information is extracted from the report entitled "Standout 43Mt Maiden Cu-Co Resource at Emmie Bluff" created on 20 December 2021 and is available to view on <a href="https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02469004-6A1069433?access\_token=83ff96335c2d45a094df02a206a39ff4</a>. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

#### Competent Person Statement for JORC 2012 Mineral Resources

This report was prepared in accordance with the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code") by Tim Callaghan, who is a Member of the Australian Institute of Mining and Metallurgy ("AusIMM"), has a minimum of five years' experience in the estimation and assessment and evaluation of Mineral Resources of this style and is the competent Person as defined in the JORC Code. This announcement accurately summarises and fairly reports his estimations and he has consented to the resource report in the form and context it appears.

The MG14 and Windabout Mineral Resource at the Mount Gunson Copper-Cobalt Project has been estimated by Mr Tim Callaghan, an external consultant, and is reported under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (see Gindalbie Metals ASX announcement 19 January 2018 titled: Mt Gunson Copper-Cobalt Project Update).

#### Competent Person Statement for JORC 2012 Mineral Resources – Emmie Bluff

The information in this statement that relates to the Mineral Resource Estimates is based on work done by Dr Michael Cunningham of Sonny Consulting Services Pty Ltd. The information in this report which relates to exploration results is based on information compiled by Mr. Matthew Weber, who is an employee of the company.

Dr Cunningham and Mr Weber are Members of the Australasian Institute of Mining and Metallurgy and have sufficient relevant experience to the style of mineralisation and type of deposit under consideration and to the activities undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.

The Competent Persons consent to the inclusion in this report of the matters based on the information compiled by them, in the form and context in which it appears.



# CCDA MINERALS

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