

## INVESTOR UPDATE

### ASX RELEASE

10 November 2023

### COOLABAH METALS LIMITED

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Telephone: +61 (08) 9481 0389

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### CONTACT

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### DIRECTORS

Cameron Provost  
Steve Woodham  
David Ward

### TICKER

ASX:CBH

### SHARES ON OFFER

71,550,001

**LOCATION:** Gunpowder Creek, QLD

## UPDATE: FOLLOW-UP DRILLING COMMENCES AT GUNPOWDER CREEK

**Coolabah Metals Limited is pleased to announce an update regarding the commencement of follow-up drilling at the Gunpowder Creek Project EPM27733, 45 km north-west of Mt Isa, QLD.**

Coolabah Metals Limited have commenced the second round of drilling at the Gunpowder Creek Project located near Mount Isa, Queensland. The drillholes have been designed to follow-up on the previous high-grade gold results received from the Golden Sunset Prospect.

Previous RC drilling at the Golden Sunset Prospect returned **5m @ 5.70g/t Au.<sup>1</sup>**

Coolabah will execute supplementary RC holes to follow-up the previous high-grade gold intercepts. The current interpretation suggests the gold mineralisation is related to fissure veins that strike approximately 50° and dip steeply to the south-west. The previous interpretation suggests that the fissure veins form in a dextral strike-slip structure which is represented by the May Downs Fault and they should repeat.

Each drillhole will undergo downhole televiewer after each drillhole has been completed. Detailed oriented structural information will assist in the interpretation and understanding of the system to direct future work.



Drilling Rig at Gunpowder Creek

1. CBH ASX Announcement 21st December 2022 - Re-assays from drilling at Gunpowder Creek

# INVESTOR UPDATE

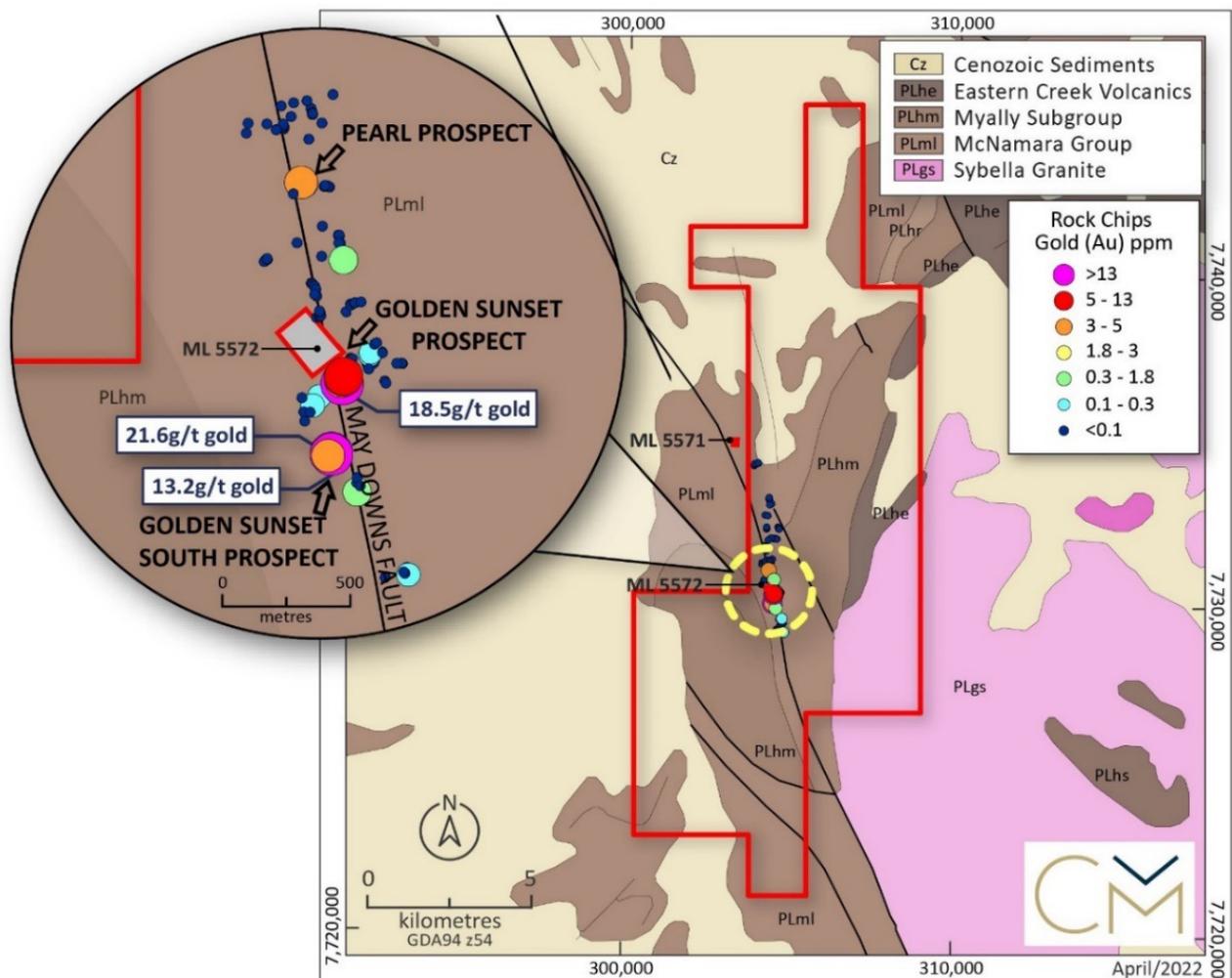
**Coolabah Metals Limited Managing Director, Cameron Provost, said:**

“Coolabah intend on following up on the previous high-grade intercepts that were discovered during the first pass drilling program conducted late in 2022.

The results from the previous drilling program indicated high-grade gold mineralisation with the potential for additional high-grade intercepts at the Golden Sunset Prospect.

The targets located along the May Downs Fault and additional drillholes will progress our understanding of subsurface geology and structural controls depicting the style of mineralisation.

All samples will undergo fire assay as soon as practicable”.



**Figure 1:** Gunpowder Creek Prospect Locations and rock-chip results<sup>2</sup> on regional geology

2. CBH ASX Announcement 19th September 2022 – High-grade gold results from rock-chips at Gunpowder Creek



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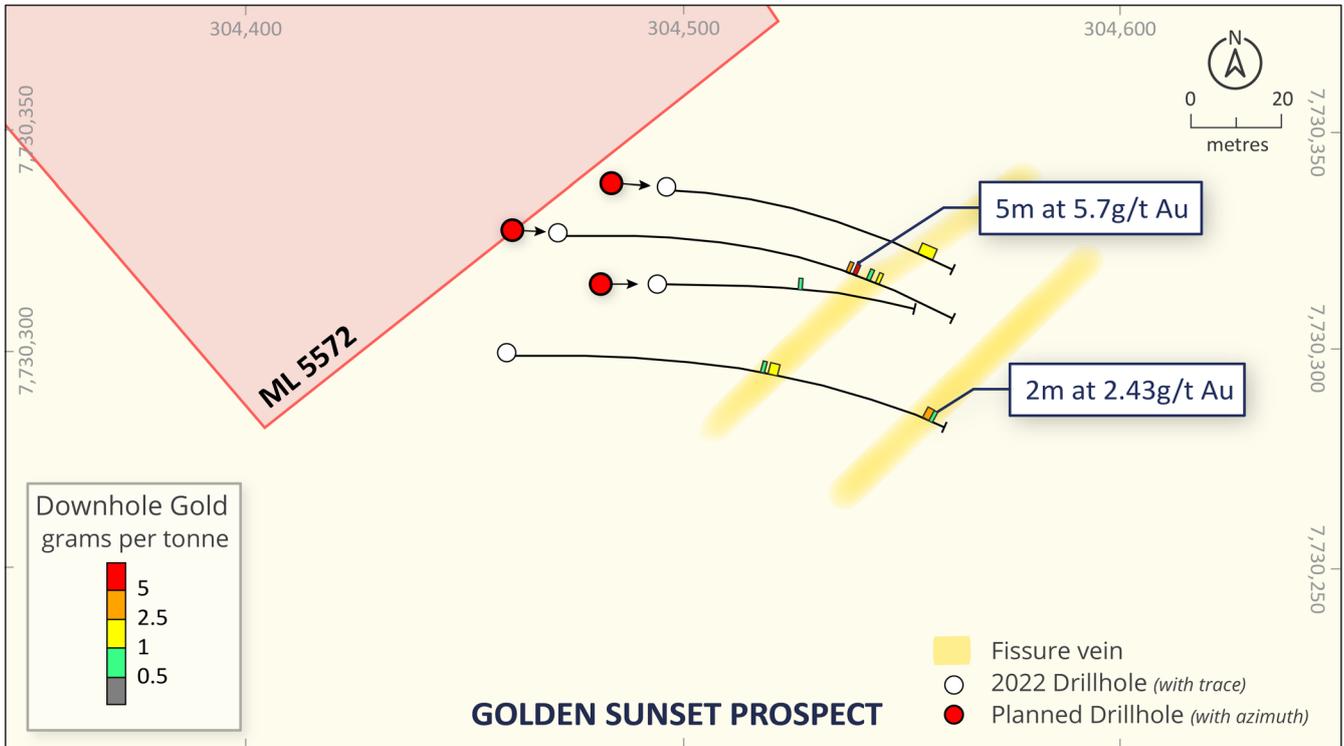


Figure 2: Golden Sunset Prospect plan view with downhole Au g/t projected to surface

The Board of Directors of Coolabah Metals Limited authorised the release of this announcement.

### Further information:

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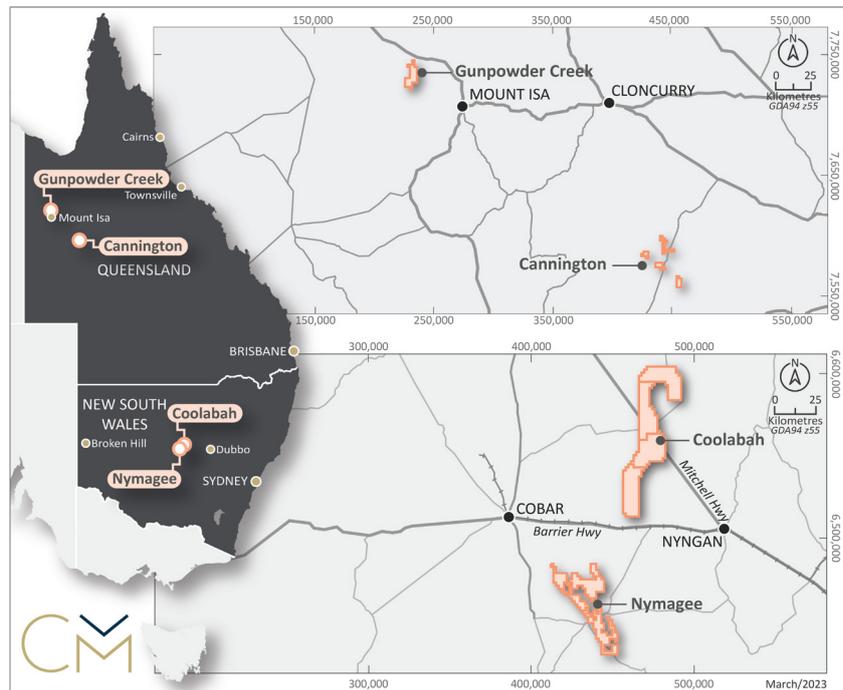
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**About Coolabah Metals Limited**

Coolabah Metals Limited (ASX:CBH) is an ASX-listed minerals explorer with a focus on copper, gold and base metal assets throughout Australia. Coolabah Metals are also active in exploring for critical minerals and the two lithium projects located in Canada, position Coolabah as a player in the fast-growing lithium exploration market. CBH aims to build shareholder wealth through the discovery and development of mineral deposits across various Australian and Canadian projects, being the Coolabah Project, the Nymagee Project, the Gunpowder Creek Project, the Cannington Project, the Hampden Project and the McCoy Lake Project.



**Coolabah Project**

The Coolabah Project area comprised of 1,177km<sup>2</sup>, lies adjacent to the Girilambone copper deposits including Avoca Tank, Tritton and the newly discovered Constellation Deposit. The Coolabah Project is highly prospective given that geology structures / regional settings are similar to known deposits.

**Nymagee Project**

The Nymagee Project area totals 533.3km<sup>2</sup> and is located amongst significant discoveries at Federation, Hera and Nymagee and is highly attractive for Cobar Style Deposits. The Nymagee Project lies on a major north-easterly structure prospective for gold, copper, lead, and zinc mineralisation.

**Gunpowder Creek Project**

The Gunpowder Creek Project is located within the world class Mt Isa block, only 40km northwest of Mt Isa and is home to numerous historic workings over 5km and highlights high-grade rockchips up to 32g/t gold. The Gunpowder Creek Project is prospective for vein/fault hosted high grade gold and Mt Isa Copper-Lead-Zinc type mineralisation.

**Cannington Project**

The Cannington Project is located 130km SSE of Cloncurry comprised of two exploration licences that covers a total area of 113.4km<sup>2</sup>. The main prospect within the Project is Brumby, being a copper-gold project spatially related to a strong magnetic high and interpreted to be an Iron Oxide Copper Gold (IOCG) style target.



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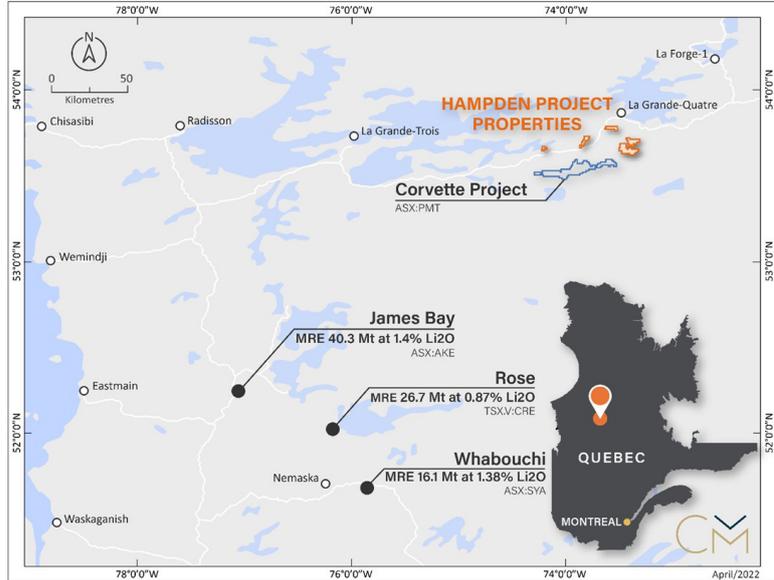
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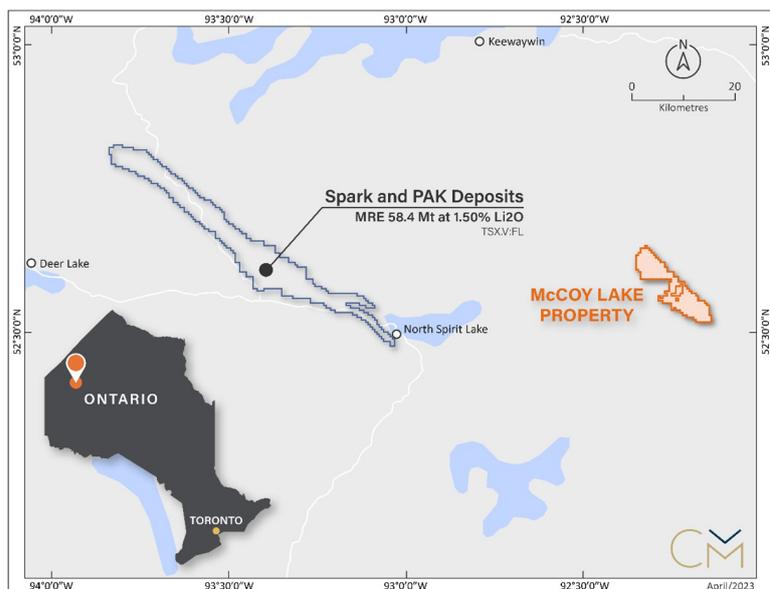
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### Hampden Project

The Hampden Project area totalling 113km<sup>2</sup> is located near Patriot Battery Metals Corvette Project, which is a potential world class spodumene deposit. The Hampden Project is located within the James Bay Region of Quebec, Canada and is known for containing significant resources of lithium and is a prime investment opportunity for lithium exploration and production hosting several known spodumene bearing pegmatite projects.



### McCoy Lake Project

The project area is situated approximately 75km east of the Frontier Lithium PAK and Spark deposits and targets an underexplored greenstone assemblage, situated near fertile granite systems. The project is located remotely in north-western Ontario, however year-round access is available through float or ski-equipped aircraft from Red Lake, Ontario, which is approximately 180km away.

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## Competent Persons Statement

The information in this document that relates to exploration targets, exploration results, mineral resources or ore reserves is based on information compiled by David Ward BSc, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy (AUSIMM), (Member 228604). David Ward is a Director and shareholder of Coolabah Metals Ltd. David Ward has over 25 years of experience in metallic minerals mining, exploration and development and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a 'Competent Person' as defined under the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Ward consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

## Cautionary Statement

Visual estimates described in the announcement are a guide only and should never be considered a proxy or substitute for laboratory analysis. Only subsequent laboratory geochemical assay can be used to determine grade of mineralisation. CBH will always update shareholders when laboratory results become available.

## Forward-Looking Statement

This document may include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of the Company. Actual values, results or events may be materially different to those expressed or implied in this document. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. No representation is made that, in relation to the tenements the subject of this presentation, the Company has now or will at any time the future develop resources or reserves within the meaning of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Any forward-looking statements in this presentation speak only at the date of issue of this document. Subject to any continuing obligations under applicable law, the Company does not undertake any obligation to update or revise any information or any of the forward-looking statements in this document or any changes in events, conditions, or circumstances on which any such forward looking statement is based.

# JORC Code, 2012 Edition – Table 1 report template



## Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<ul style="list-style-type: none"> <li>The samples referred to in this release were reported in a previous announcement dated on the 21<sup>st</sup> of December 2022.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</li> </ul>	<ul style="list-style-type: none"> <li>The current drill program is reverse circulation.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>Reporting commencement of drilling only.</li> <li>Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or</li> </ul>	<ul style="list-style-type: none"> <li>Reporting commencement of drilling only.</li> <li>Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>costean, channel, etc) photography.</i></p> <ul style="list-style-type: none"> <li>• <i>The total length and percentage of the relevant intersections logged.</i></li> </ul>	
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li>• <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li>• <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li>• <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li>• <i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i></li> <li>• <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li>• <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></li> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>• <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> <li>• Drill collars will be located using a handheld GPS in Map Grid Australia Zone 55, Geodetic Datum of Australia 1994.</li> </ul>

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Reporting commencement of drilling only.</li> <li>Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Reporting commencement of drilling only.</li> <li>Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>Reporting commencement of drilling only.</li> </ul>

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<ul style="list-style-type: none"> <li>Gunpowder Creek Project EPM27733 is located 45km north-west of Mount Isa in north-west Queensland. Transfer of 100% of EPM27733 to Coolabah Metals Ltd was completed on the 5<sup>th</sup> October 2022.</li> <li>The Golden Sunset historic workings referred to in this press are alongside a 4-hectare mining license (ML5572) which is excluded from EPM27733.</li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>26 minor historic workings and prospecting pits are recorded in the Queensland mineral occurrence database (MINOCC).</li> <li>Freeport Australian Limited rockchip sampled some of the area in 1988 returning maximum Au value of 32.3ppm. GSQ Open Data Portal EPM4731 (Report CR18465_1)</li> </ul>
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The Gunpowder Creek Project area is located within the fault</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>bound Western Succession of the Proterozoic Mount Isa Inlier and rests along the major, north-west trending May Downs Fault. The geology is structurally complex and at least two identified tectonic events deform the supracrustal units. The Gunpowder and Paradise Creek Formations represent the Carpentarian McNamara Group metasediments. They are believed to be a faulted and folded, steeply dipping sequence of shales, siltstones, and fine-grained sandstones, which are correlated with the Mount Isa Group metasediments. The Gunpowder Creek Project prospective for vein/fault hosted gold and Mt Isa type mineralisation.</p>
<p><i>Drill hole Information</i></p>	<ul style="list-style-type: none"> <li>• <i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i> <ul style="list-style-type: none"> <li>○ <i>easting and northing of the drill hole collar</i></li> <li>○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i></li> <li>○ <i>dip and azimuth of the hole</i></li> <li>○ <i>down hole length and interception depth</i></li> <li>○ <i>hole length.</i></li> </ul> </li> <li>• <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> </ul>
<p><i>Data aggregation methods</i></p>	<ul style="list-style-type: none"> <li>• <i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i></li> <li>• <i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i></li> <li>• <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></li> </ul>	<ul style="list-style-type: none"> <li>• No data aggregation, all results received are reported.</li> </ul>
<p><i>Relationship between mineralisation widths and</i></p>	<ul style="list-style-type: none"> <li>• <i>These relationships are particularly important in the reporting of Exploration Results.</i></li> <li>• <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> <li>• <i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg ‘down hole length, true</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>

Criteria	JORC Code explanation	Commentary
<i>intercept lengths</i>	<i>width not known').</i>	
<i>Diagrams</i>	<ul style="list-style-type: none"> <li>• <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> <li>• Planned drillhole collars and traces are displayed in the body of the press.</li> </ul>
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <li>• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> </ul>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <li>• <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All material results are shown in the body of the announcement.</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li>• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Reporting commencement of drilling only.</li> <li>• Drill intercepts mentioned were reported in press dated 21<sup>st</sup> December 2022.</li> <li>• Interpreted strike of the mineralisation reported is to the south-south-west of the Golden Sunset workings as shown in the body of the press.</li> </ul>