

ASX ANNOUNCEMENT  
21<sup>st</sup> December 2022

## Maiden RC Drilling Results for Lucky Sevens Gold Prospect



### Highlights

- Drilling intersected quartz veins with zones up to 30m in width over a +2km strike
- Low tenor gold results were returned (peak 2m @ 0.13g/t Au) which has not explained the extensive surface gold anomaly at Lucky Sevens
- Results may reflect the structural complexity of the local geology, where any mineralised veins may be discontinuous (such as tension gash or boudinage style) and could have been missed by this wide-spaced, first-pass program. Alternatively, higher grade mineralisation could be focused elsewhere along the 4km of strike at Lucky Sevens
- Multielement data (Sb-As) is elevated in the quartz vein zones and reaffirms the exploration methodology and may provide vectors to mineralisation along strike
- Samples in the quartz zones of interest are being reanalysed by Fire Assay to determine if there is any fine gold present that is not being liberated by the Aqua Regia digest method
- **An abundance of targets at the Project are waiting to be tested and this program will help inform the next larger drill program and across the broader Project area**

Koonenberry Gold Ltd (ASX: KNB) (“Koonenberry” or the “Company”) is pleased to announce that it has received the assays from its Reverse Circulation (RC) drilling program at the Lucky Sevens high grade gold Prospect.

Managing Director, Dan Power, said: *“Whilst the assay results of this modest drilling campaign are below expectations, we have learned a lot about the geology and drilling conditions. We have barely scratched the surface of the Project with many more targets to be tested. Progress is being made for the 10-15,000m Air Core drilling program at Atlantis, Four Queens and Vegas Prospects. Collectively, these three targets represent over 13 strike kilometres of gold in soil anomalism which have never seen a drill rig. It is rare to find a quality Project with so many walk-up drill targets and the Company is excited to see what we might discover in the next round of drilling which is anticipated in Q3.”*

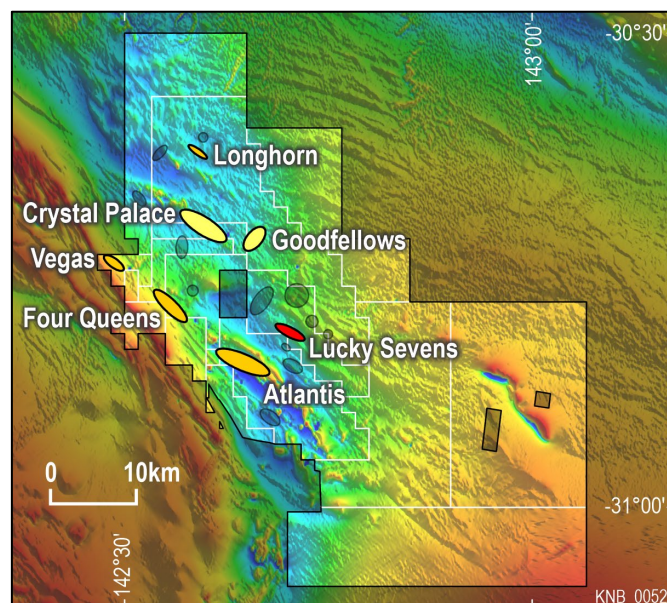


Figure 1. Location of the Lucky Sevens Prospect in relation to some of the other Prospects identified to date

## Assay Results

All assays have been received, besides 13 (26m down hole) which are still pending Aqua Regia assays for the following holes and zones: LK7RC22006 (118-130m), LK7RC22009 (152-154m), LK7RC22010 (14-16m) and LK7RC22011 (48-58m). Elevated results returning >0.05g/t Au are presented in Table 1 below.

Hole ID	Azimuth (True N)	Dip	Depth From	Depth To	Interval (m)	Au (g/t)	As (ppm)	Cu (ppm)	Sb (ppm)
LK7RC22002	226.79	-69.57	10	12	2	0.132	44.4	43.8	5.59
LK7RC22002	226.79	-69.57	22	24	2	0.083	10.6	17.2	0.87
LK7RC22008	226.32	-70.12	48	50	2	0.058	6.2	33.5	0.47

Table 1: All results >0.05g/t Au

Broad zones of interest containing quartz veins and/or sulphides, corresponding to a moderately east dip on each section were identified and are outlined in Table 2 below:

Hole ID	Section	Depth From (m)	Depth To (m)
LK7RC22002	A-A'	0	46
LK7RC22003	A-A'	48	132
LK7RC22004	A-A'	130	160
LK7RC22007	B-B'	10	14
LK7RC22008	B-B'	46	204
LK7RC22009	B-B'	60	182
LK7RC22010	B-B'	78	204
LK7RC22011	C-C'	38	66

Table 2: Zones of interest identified

From these zones in Table 2 the multi element data was reviewed and it was clear that gold and pathfinder elements (As and Sb) were more elevated in these zones of interest than the rest of the samples (Table 3). This information will help to better target mineralisation along strike.

	Au (g/t)	Sb (ppm)	As (ppm)	Cu (ppm)
Main Quartz Zones	0.004	1.3	12.8	25.3
Remaining Zones	0.002	0.8	8.8	27.0

Table 3: Pathfinder multi-element by average grade in zones of interest vs. remaining zones

Samples in the quartz zones of interest are being reanalysed by Fire Assay to determine if there is any fine gold present that has not been liberated by the Aqua Regia digest that was employed in the first pass laboratory analysis.

## Structural Complexity

Structural mapping at Lucky Sevens earlier in 2022 revealed a series of NW-SE trending reefs, mostly parallel with S0 and S1 at the scale of the prospect. Some reefs have a sigmoidal shape and step across bedding. The reefs are hosted within Delamerian sediments that have been tightly to isoclinally folded in doubly-plunging, upright F1 folds. S1 trends NW-SE. Reefs and F1 folds are overprinted by an upright NE-SW trending S2 foliation, defined as a crenulation cleavage and/or a fracture cleavage that is responsible for open, long wavelength folds of the S1 and more rapid variation of the L1 and possibly responsible for the doubly plunging nature of F1.



Reefs comprise milky and heavily iron-oxide-stained quartz. Timing of quartz and iron-oxide is not established although it was observed that the fluids associated with the iron-oxide brecciated the quartz reef. The reefs are emplaced consistently with the flexural slip model.

Even though one reef at Lucky Sevens can be followed for more than a kilometre, this reef swells and pinches along strike and is a perfect example of the variation of thicknesses (often rapid) of the reef along strike. This is explained by varying dilation during emplacement and boudinage associated with the S1 foliation.

## Drilling Program Summary

The 11-hole, 2,258 m RC drilling program was the first ever conducted by Koonenberry Gold and targeted a 400m part of the 4km long gold in soil anomaly at Lucky Sevens (see Figure 2).

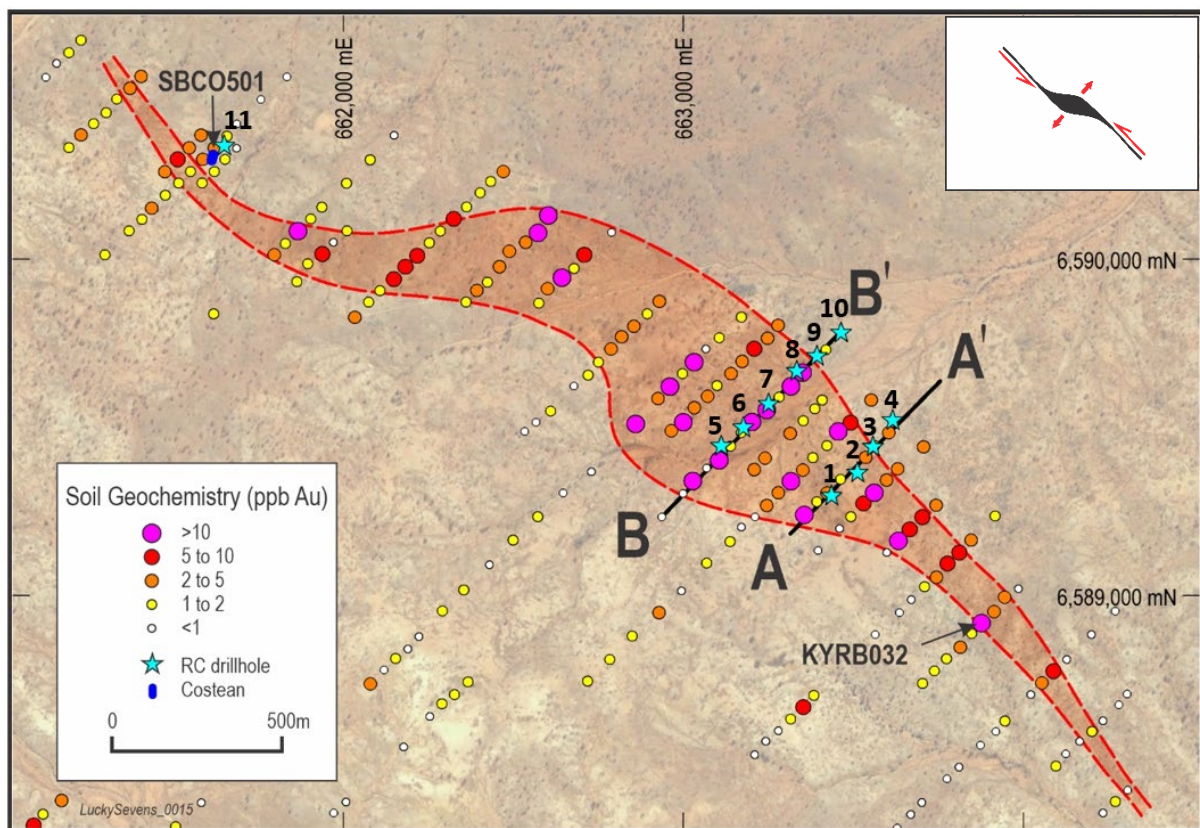


Figure 2. Plan view of the Lucky Sevens Prospect showing 4km x 450m gold in soil geochemical anomaly, actual drill hole collar locations (labelled by hole number suffix) and sections A-A', B-B' and C-C'. The "fat" or "eye" part of the soil anomaly is interpreted to coincide with a zone of maximum dilation and fluid flow and has been targeted for the first time in this drill program (see structural model inset top right-hand corner). Historical costean SBCO501 returned **0.25m @ 20.67g/t Au** and RAB hole KYRB032 returned **5.0m @ 25.1g/t Au from 0m<sup>(1)</sup>** at the northern and southern "tail" of the "eye" respectively

The geology observed is of a typical deep water turbidite sequence of mudstone, siltstone, matrix-supported, poorly-sorted wackes and clast-supported, better-sorted sandstone, which have been metamorphosed to lower greenschist facies. In all rock types, clastic grains are dominated by quartz accompanied by lesser feldspars, minor muscovite and trace Ti-mineral, graphite, biotite, tourmaline and zircon. The presence of graphitic clasts indicates these sediments were weakly carbonaceous and therefore reduced in redox character.<sup>(4)</sup>

Quartz veins are generally observed on or near the contact between the grain-supported sandstone and matrix-supported wacke and/or fine-grained mudstone. In the absence of structural data (drill core) the quartz veins have been interpreted to have a moderate dip towards the east.<sup>(5)</sup> They tend to have a milky-white colour and are filled and/or sealed by varied assemblages of quartz-chlorite, or fine-grained quartz-carbonate-graphite ±sulphides (pyrite-chalcopyrite-sphalerite).<sup>(4)</sup> Quartz veins were observed to have the highest abundance on section B – B', which is also coincident with the highest tenor gold in soil results.

Alteration consists of silica-sericite and chlorite which are observed to increase in intensity closer to the quartz vein zones. Sulphides are observed as very fine-grained disseminations of pyrite and rare pyrrhotite which also generally increase in abundance closer to the quartz veins. Chalcopyrite and sphalerite have been observed petrographically as described above.

The Base of Complete Oxidation (BOCO), Base of Partial Oxidation (BOPO) and Base of Fracture Oxidation (BOFO) are observed to increase slightly in the centre of the A – A' and B – B' sections,<sup>(5)</sup> which is indicative of increased weathering along a structure/s and oxidation of sulphides. Given the proximity of the quartz veining and coincidence of alteration and sulphide mineralisation, this structure/s is likely to have been a conduit for hydrothermal fluids.

## About the Drilling Program

Koonenberry Gold has completed RC drilling of targets at the Lucky Sevens Prospect. The Prospect is defined by a 4km long x 450m wide gold soil geochemical anomaly (+5ppb, max 1,400ppb Au)<sup>(2)</sup>. The soil anomaly appears to have a sigmoidal shape which is reflected in mapped vein development at outcrop scale (Figure 4).

The Lucky Sevens Prospect has seen limited drilling, with the dilational “fat” or “eye” part of the soil anomaly having seen no bedrock drilling. Historically, costean SBC0S01 located at the northern “tail” returned **0.25m @20.67g/t Au**, whilst RAB hole KYR032 located at the southern “tail” returned **5.0m @25.1g/t Au from 0m**<sup>(1)</sup>. These historical intercepts demonstrate the high-grade potential of the mineralised structures.

A single drill hole at the 17 Black Prospect (northern “tail” of Lucky Sevens), was targeted underneath the SBC0S01 costean result which had returned 0.25m @ 20.67g/t Au<sup>(1)</sup>.

## Next Steps

Receive and interpret results from the Fire Assay analysis in zones of interest, as well as the 13 remaining Aqua Regia samples.

Preparations for 10-15,000m of Air core drilling at the Atlantis, Four Queens and Vegas Prospects is progressing and is anticipated in Q3. Highly anomalous gold in soil results have defined drill targets over significant strike lengths at these Prospects. Multi-element geochemical data as well as available geophysical data is being used to provide additional support to assist with drill targeting.

This ASX release was authorised by the Board of the Company.



## About Koonenberry Gold

Koonenberry Gold Ltd is a minerals explorer based in Australia aiming to create value for shareholders through exploration at the Company's 100%-owned Koonenberry Gold Project. The Project is located in north-western New South Wales, approximately 160km north-east of the major mining and cultural centre of Broken Hill and 40km west of the opal mining town of White Cliffs. Good access is available via main roads connecting Broken Hill, White Cliffs and Tibooburra. Acquired in 2017, and with an IPO in 2021, the Project covers approximately 2,065km<sup>2</sup> of granted EL's in a consolidated tenement package.

With abundant evidence of high-grade mineralisation in multiple bedrock sources and a pipeline of emerging targets, the tenement package offers a compelling regional scale discovery opportunity in an underexplored and emerging province. Koonenberry Gold holds a dominant position in the Koonenberry Belt in NSW which is believed to be an extension of the Stawell Zone in Western Victoria and therefore has the potential for the discovery of significant gold deposits.

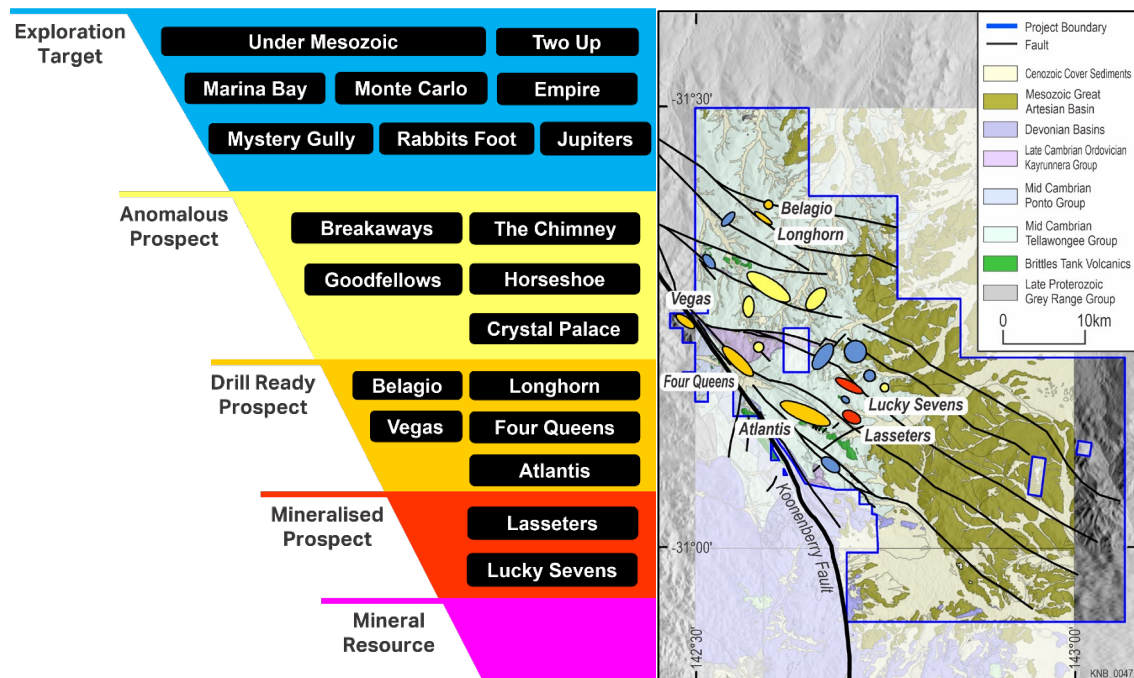


Figure 7: Koonenberry Gold Prospects and pipeline of discovery opportunities <sup>(2)</sup>.

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### **Competent Persons Statement**

*The information in this announcement that relates to exploration results is based on information compiled under the supervision of Mr Paul Wittwer, who is a Member of the Australian Institute of Geoscientists (AIG) and the Australian Institute of Mining and Metallurgy (AusIMM) and is the Exploration Manager of Koonenberry Gold Limited. Mr Wittwer has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves.” Mr Wittwer consents to the inclusion in this report of the matter based on his information in the form and context in which it appears.*

### **Forward looking statements**

*This announcement may include forward looking statements and opinion. Forward looking statements are based on Koonenberry and its Management’s good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect Koonenberry’s business and operations in future. Koonenberry does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that Koonenberry’s business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by Koonenberry or Management or beyond Koonenberry’s control. Although Koonenberry attempts and has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of Koonenberry. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law in providing this information Koonenberry does not undertake any obligation to publicly update or revise any of the forward-looking statements or to advise of any changes in events, conditions or circumstances on which any such statement is based.*

### **Cautionary statement on visual estimates of mineralisation**

References in this announcement to visual results are from visual estimates of drill chips from reverse circulation drilling by qualified geologists. Laboratory assays are required for representative estimates of quantifiable elemental values.

### **References**

1. Peters (2021). Koonenberry Gold Pty Ltd Independent Geologist’s Report - Koonenberry Gold Project 10 May 2021 contained in Koonenberry Gold Ltd Prospectus, 24/09/2021.
2. Koonenberry Gold (ASX) 21/6/2022. Investor Presentation – June.
3. Koonenberry Gold (ASX) 28/07/2022. Quarterly Activities Report.
4. Mason Geoscience, Nov 2022. Petrographic report for Koonenberry Gold Ltd.
5. Koonenberry Gold (ASX) 28/11/2022. Koonenberry Gold provides Lucky Sevens High Grade Gold Prospect Update

## Licenses

Licence Number	Location	Title Holder	Equity Interest at Quarter End	Change in Equity Interest during Quarter
EL6803	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL6854	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL7635	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL7651	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8245	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8705	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8706	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8819	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8918	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8919	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8949	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL8950	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL9491	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL9492	NSW	Lasseter Gold Pty Ltd	100%	N/A
EL9493	NSW	Lasseter Gold Pty Ltd	100%	N/A

Table 4. Koonenberry's 100% owned subsidiary company, Lasseter Gold Pty Ltd, owns a 100% interest in fifteen (15) granted tenements associated with the Koonenberry Gold Project.

Prospect	Hole ID	Easting	Northing	mRL	Azi. (True Nth)	Dip	Depth (m)
Lucky Sevens	LK7RC22001	663428	6589294	243	227.75	-60.71	182
Lucky Sevens	LK7RC22002	663502	6589366	244	226.79	-69.57	211
Lucky Sevens	LK7RC22003	663561	6589443	244	225.17	-65.66	193
Lucky Sevens	LK7RC22004	663621	6589525	231	224.40	-65.92	217
Lucky Sevens	LK7RC22005	663114	6589446	239	225.42	-65.84	205
Lucky Sevens	LK7RC22006	663180	6589501	239	227.07	-63.04	241
Lucky Sevens	LK7RC22007	663253	6589572	241	222.54	-70.00	211
Lucky Sevens	LK7RC22008	663335	6589664	239	226.32	-70.12	217
Lucky Sevens	LK7RC22009	663395	6589712	233	226.15	-70.32	215
Lucky Sevens	LK7RC22010	663464	6589783	233	224.48	-69.86	215
Lucky Sevens	LK7RC22011	661649	6590340	266	226.66	-60.11	151

Table 5. Lucky Sevens drill collar information. Reference coordinate system is WGS84 Zone 54.

**APPENDIX 1. JORC CODE TABLE 1 Checklist of Assessment and Reporting Criteria**
**Section 1: Sampling Techniques and Data**

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<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> </ul>	<ul style="list-style-type: none"> <li>Representative composite 2m samples and 1m samples were taken of RC drill hole cuttings.</li> </ul>
	<ul style="list-style-type: none"> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were collected over one metre intervals using a rig mounted rotary cone splitter to obtain a split representative sample of approximately 2 to 3kg.</li> <li>Each 1m interval sample was then split using a Single Tier Field Sample Splitter (50% / 50%) with first half sample placed in a sequentially numbered calico bag and returned as the representative 1m sample. The second half sample was combined with the second half sample from the next sequential 1m sample to produce a 2m composite sample for assay. The assay sample was placed in a sequentially numbered calico bag.</li> <li>The rig mounted rotary cone splitter and field single tier splitter were routinely monitored and cleaned to minimise contamination.</li> <li>The composite assay samples, 1m representative sample and any QA/QC samples were placed initially in polywoven bags and then into Bulka Bags or equivalent and sealed in preparation to be transported to ALS in Adelaide for analysis.</li> </ul>
	<ul style="list-style-type: none"> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> </ul>	<ul style="list-style-type: none"> <li>Determination of mineralisation was achieved by appropriate geological logging of samples by company geologist or representative under direction.</li> </ul>
	<ul style="list-style-type: none"> <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</li> </ul>	<ul style="list-style-type: none"> <li>The Reverse Circulation (RC) drill holes were drilled with a face-sampling hammer using industry practice drilling methods to obtain a 2m representative sample for assay. Silver City Drilling (SCD) completed RC drilling using a large capacity RC Rig (Hydco 1000).</li> </ul>



Criteria	JORC Code explanation	Commentary
	<i>detailed information.</i>	
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>• <i>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).</i></li> </ul>	<ul style="list-style-type: none"> <li>• RC Drilling used a 5 ½” diameter face sampling hammer using standard RC drilling Techniques employed by SCD, a specialist RC Drilling company.</li> <li>• Downhole surveys were carried out on RC holes within the drill string using a Reflex gyroscopic survey tool every 30m to record the movement of the drill hole from the planned direction and inclination, with True North azimuth measured.</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>• <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i></li> </ul>	<ul style="list-style-type: none"> <li>• RC sample weights and recoveries were observed during the drilling with any wet or moist, under-sized or over-sized drill samples being recorded. All samples were deemed to be of acceptable quality.</li> </ul>
	<ul style="list-style-type: none"> <li>• <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i></li> </ul>	<ul style="list-style-type: none"> <li>• RC samples were checked by the geologist for volume, moisture content, possible contamination, recoveries and against drill depth. Any issues were discussed with the drilling contractor.</li> <li>• Sample spoils (residual) were collected in large green heavy duty, UV stabilised plastic bags with representative chips collected by sieving a grab sample from the bags and washing the oversize component for storage in chip trays and logging.</li> </ul>
	<ul style="list-style-type: none"> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Sample recovery was good. No sample biases are expected, and no relationship is known to exist between sample recovery and grade.</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>• No Mineral Resource estimation, mining studies or metallurgical studies have been conducted at this stage, but samples have been logged with sufficient detail to use for this function.</li> <li>• A representative sample of the RC chips was collected from each of the drilled intervals (sampled every 1m), then logged and stored in chip trays for future reference. RC chips were logged for lithology, alteration, degree of weathering, fabric, colour, abundance of quartz veining and sulphide type and % abundance.</li> <li>• Geological data was recorded using a computer-based logging system</li> </ul>
	<ul style="list-style-type: none"> <li>• <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Geological logging was qualitative in nature. Reference RC chips in trays have been photographed and placed into storage.</li> </ul>
	<ul style="list-style-type: none"> <li>• <i>The total length and percentage of the relevant intersections logged.</i></li> </ul>	<ul style="list-style-type: none"> <li>• The entire length of all RC holes was logged.</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> </ul>	<ul style="list-style-type: none"> <li>No core was drilled</li> </ul>
	<ul style="list-style-type: none"> <li>If non-core, whether riffled, tube sampled, rotary split, etc and-whether sampled wet or dry.</li> </ul>	<ul style="list-style-type: none"> <li>All RC samples were collected at 1m intervals in numbered calico bags using the rig mounted cone splitter and each 1m interval sample was then split using a Single Tier Field Sample Splitter (50% / 50%), and the splits were combined every 2m to produce a 2m composite sample for assay.</li> <li>Almost all (99.5%) samples were dry.</li> <li>All polywoven plastic bags containing samples for assay were secured and placed into bulka bags or equivalent in preparation for transport to ALS Laboratory in Adelaide.</li> </ul>
	<ul style="list-style-type: none"> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> </ul>	<ul style="list-style-type: none"> <li>Samples are pulverised at ALS to a QC size specification of 85% &lt;75µm.</li> </ul>
	<ul style="list-style-type: none"> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> </ul>	<ul style="list-style-type: none"> <li>Pulverised samples are rotary split using a Boyd Rotary Splitter</li> </ul>
	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Duplicates, blanks and standards were placed in the sample sequence alternatively every twenty fifth sample.</li> <li>2m composites, duplicates, blanks and standards were all placed in calico sample bags then placed in white polywoven plastic bags.</li> </ul>
	<ul style="list-style-type: none"> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>Sample size is considered appropriate for the target style of mineralisation, and the requirements for laboratory sample preparation and analyses, for early stage Exploration Results.</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> </ul>	<ul style="list-style-type: none"> <li>ALS is an ISO/IEC 17025:2005 and ISO9001:2015 certified laboratory.</li> <li>All samples were analysed using a trace detection limit method for acid extractable Au (aqua regia digestion), using a 50g charge and ICP-MS finish (ALS method AuME-TL44), along with a 50-element package. Detection limit range for Au is 0.001ppm to 1ppm.</li> <li>Gold values &gt;0.02ppm from AuME-TL44 were reanalysed with a further 50g charge using fire assay fusion with an atomic absorption spectroscopy finish (ALS method Au-AA26). Detection limit range is 0.01ppm to 100ppm Au.</li> <li>Zones of visual geological interest are reanalysed with a further 50g charge using fire assay fusion with an atomic absorption spectroscopy finish (ALS method Au-AA26).</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>Detection limit range is 0.01ppm to 100ppm Au.</p> <ul style="list-style-type: none"> <li>The nature of the laboratory assay sampling techniques is considered 'industry standard' and appropriate.</li> </ul>
	<ul style="list-style-type: none"> <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> </ul>	<ul style="list-style-type: none"> <li>Magnetic susceptibility measurements were completed on all 1m samples using a TERRA KT-10 handheld magnetic susceptibility meter.</li> </ul>
	<ul style="list-style-type: none"> <li><i>Nature of quality control procedures adopted (e.g. 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>Duplicates, blanks and standards were placed in the sample sequence alternatively every twenty fifth sample.</li> <li>Sample quality, sample interval, sample number and QA/QC inserts (standards, duplicates, blanks) were recorded on paper logs and then collated and entered into the logging system.</li> <li>The QAQC assays were reviewed to ensure testing was accurate. In addition, lab duplicates and lab standard analysis (laboratory checks) are investigated to check for potential errors. If a potential error is discovered, it is investigated and the samples are potentially re-run with another laboratory.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li><i>The verification of significant intersections by either independent or alternative company personnel.</i></li> </ul>	<ul style="list-style-type: none"> <li>Assay data has been verified by the geologist in charge of the program and a second Koonenberry Gold employee.</li> <li>Significant intersections/results in this ASX Release have been verified by the Competent Person.</li> </ul>
	<ul style="list-style-type: none"> <li><i>The use of twinned holes.</i></li> </ul>	<ul style="list-style-type: none"> <li>No twinned holes have been completed as part of this ASX Release, as the program is at an early stage.</li> </ul>
	<ul style="list-style-type: none"> <li><i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> </ul>	<ul style="list-style-type: none"> <li>Primary geological logging was completed by electronic means using a rugged tablet and appropriate data collection software.</li> <li>Sampling data was collected on hard copy and then entered into excel software.</li> <li>All original hardcopy logs and sample reference sheets are kept for reference. Digital data entry is validated through the application of database validation rules and is also visually verified by the responsible geologist through GIS and other software. Any failures are sent back to the responsible geologist for correction and re-submission. Data is</li> </ul>

Criteria	JORC Code explanation	Commentary
		stored in a SQL database managed through an external consultant with proprietary software. The extracted database is backed up as part of the Company server backup protocol.
	<ul style="list-style-type: none"> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>No adjustments have been made to the assay data.</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>All data points have been collected with a standard Garmin GPS with an Easting and Northing accuracy of approximately +/- 5m.</li> <li>Drill Collars remain in place but are scheduled to be rehabilitated as per the NSW Government's Guidelines.</li> <li>Drillholes are planned to be surveyed using a high accuracy system, prior to rehabilitation.</li> </ul>
	<ul style="list-style-type: none"> <li>Specification of the grid system used.</li> </ul>	<ul style="list-style-type: none"> <li>The grid system used is Universal Transverse Mercator (UTM) WGS84, Zone 54 (Southern Hemisphere).</li> </ul>
	<ul style="list-style-type: none"> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Topographic control based on 5m DEM data. Surface RL data was approximated using a Digital Elevation Model created from DEM Data.</li> <li>Variation in topography is less than 20 metres within the project area.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>Holes collars were designed nominally at ~100m spacing across strike with angle-overlap coverage</li> </ul>
	<ul style="list-style-type: none"> <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> </ul>	<ul style="list-style-type: none"> <li>No Mineral Resource or Ore Reserve have been estimated in this ASX Release.</li> </ul>
	<ul style="list-style-type: none"> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>No compositing of assay data has been applied.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<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> </ul>	<ul style="list-style-type: none"> <li>Drilling was orientated to be approximately perpendicular (in azimuth) to the known strike of the lithological units and outcropping quartz veins.</li> </ul>
	<ul style="list-style-type: none"> <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>Drill testing is too early stage to determine if the drilling orientation has introduced a sampling bias.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Chain of Custody was managed by Koonenberry staff and its contractors. The samples were transported daily from the site to camp where they were secured in Bulka Bags to be freighted to ALS in Adelaide for analysis.</li> </ul>
<b>Audits or reviews</b>	<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>An overall geological review has been undertaken by an independent</li> </ul>

Criteria	JORC Code explanation	Commentary
		geologist and is provided in the KNB Prospectus.

## Section 2: Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<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> </ul>	<ul style="list-style-type: none"> <li>Refer to Solicitor's Report in Company Prospectus released to ASX 24/09/2021.</li> <li>The Koonenberry Project is secured by 15 granted Exploration Licences covering approximately 2,058km<sup>2</sup> in a consolidated package.</li> </ul>
	<ul style="list-style-type: none"> <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>Refer to Solicitor's Report in Company Prospectus released to ASX 24/09/2021.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Refer to Independent Geologist's Report in Company Prospectus released to ASX 24/09/2021.</li> </ul>
<b>Geology</b>	<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 Project area covers a series of Mid - Cambrian marine sediments of the Koonenberry Formation, which were deposited in a volcanic arc environment prior to being deformed in the Late Cambrian Delamerian Orogeny. This orogeny is characterised by intense compressive deformation, resulting in tight to isoclinal upright folds and a vertical slaty cleavage.</li> <li>The Koonenberry Belt has been subject to uplift, sedimentation and deformation throughout the Phanerozoic, including the Benambran Orogeny, which is considered to be the main phase of gold mineralisation.</li> <li>It is comparable with the Stawell Zone of the Victorian Goldfields. On the western side of the Koonenberry Project is the Koonenberry Fault, which is a long-lived deep crustal structure traceable in outcrop for over 225 km.</li> <li>Gold occurs as structurally controlled lode-style veins or as alluvial concentrations. Lode gold is often associated with laminated quartz veins and has also been documented in quartz vein stockworks. Gold is associated with</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>pyrite and arsenopyrite, galena, chalcopyrite and sphalerite.</p> <ul style="list-style-type: none"> <li>Documented veins range in width from millimetre scale to several metres in width, with the strike of some individual veins exceeding several hundred metres. Historical production often documented head grades of sorted ore at two to three ounces of gold per tonne.</li> </ul>
<b>Drill hole information</b>	<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> </ul>	<ul style="list-style-type: none"> <li>Completed drill hole details are presented in Tables in the body of the report.</li> <li>A summary of significant results <math>\geq 0.05\text{g/t Au}</math> are summarized in the Tables in the body of the report.</li> </ul>
	<ul style="list-style-type: none"> <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>No information has been excluded from this release to the best of Koonenberry Gold's knowledge.</li> </ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li><i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.</i></li> </ul>	<ul style="list-style-type: none"> <li>The cut-off grade for reporting of drill results was <math>0.05\text{g/t Au}</math></li> </ul>
	<ul style="list-style-type: none"> <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> </ul>	<ul style="list-style-type: none"> <li>All aggregate drill intercepts are length weighted and no internal dilution was applied</li> </ul>
	<ul style="list-style-type: none"> <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 metal equivalent values have been reported in this ASX Release.</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li><i>These relationships are particularly important in the reporting of Exploration Results.</i></li> </ul>	<ul style="list-style-type: none"> <li>Information and knowledge of the mineralised systems are inadequate to estimate true widths.</li> </ul>
	<ul style="list-style-type: none"> <li><i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> </ul>	<ul style="list-style-type: none"> <li>The geometry is unknown at this stage</li> </ul>
	<ul style="list-style-type: none"> <li><i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').</i></li> </ul>	<ul style="list-style-type: none"> <li>Down hole lengths are reported</li> </ul>

Criteria	JORC Code explanation	Commentary
<b>Diagrams</b>	<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>• Appropriate maps, sections, and tables for new results have been included in this ASX Release.</li> </ul>
<b>Balanced reporting</b>	<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>• Not all sample assay data has been included in this report as it is not considered material beyond the representatively reported high- and low-grade results presented in the main body of this ASX Release. Gold results reported range from &lt;0.001g/t to 0.13g/t Au.</li> </ul>
<b>Other substantive exploration data</b>	<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>• The Koonenberry Project includes a large amount of exploration data collected by previous companies. This includes stream sediment, soil sample, rock chip and costean data as well as geological mapping data, drilling data and magnetics data. Much of this data has been captured and validated in a GIS database.</li> <li>• Further information can be found in the Independent Geologist’s Report in Company Prospectus released to ASX 24/09/2021.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> </ul>	<ul style="list-style-type: none"> <li>• Further drilling is planned.</li> </ul>
	<ul style="list-style-type: none"> <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>• See body of this announcement.</li> </ul>