

ASX Announcement | ASX: CPM

14 February 2024

Latest rock chips up to 2.56g/t Au at Gooroo Project in WA**Highlights**

- **Assay results from Cooper's recent soil and rock chip sampling program at Gooroo Project in WA enhances gold anomalies, with assay results up to 2.56g/t Au from a sample of silicified basalt float from gold anomaly 1**
- **Five broad gold anomalies occur in potentially favourable structural trap sites such as the nose of the Gullewa syncline and significant regional faults traversing the greenstone belt, known to be important for the formation of gold deposits elsewhere in the belt**
- **Soil sampling returned higher values when compared to previous soil sampling programs completed in 2021 - 2022, with a maximum of 33.2ppb Au returned from anomaly 1**
- **Detailed new aeromagnetic data in conjunction with new mapping and geochemical sampling as helped define new gold targets for aircore drilling**
- **Aircore drilling is planned to expand geochemical sampling to areas under cover once all regulatory approvals have been received**

**Plate 1: Rock chip sampling at Gooroo**

Cooper Metals Managing Director, Ian Warland, commented:

"In 2023 Cooper completed detailed aeromagnetic survey, geological mapping and geochemical sampling at Gooroo. Recent infill soil sampling has confirmed five highly anomalous gold targets. Anomaly 1 has a peak gold value of 33.2ppb coincident with a sample of silicified basalt float which reported 2.56g/t Au near mafic and felsic contacts with andesitic porphyry. This area is proximal to interpreted faults that may have been important plumbing mechanisms in the region for gold mineralisation. After focussing on acquiring key geochemical, geophysical and geological datasets Cooper is now well placed to conduct maiden drilling program at Gooroo in 2024 and is working hard to obtain the necessary regulatory approvals. We look forward to updating the market with our progress in the near future."





Cooper Metals Limited (ASX:CPM) (“Cooper” or “the Company”) is pleased to announce the results of the additional soil sampling at the Gooroo Project in Western Australia (**Figure 1**).

The Gooroo Project is located approximately 413km north of Perth. Nearby mining projects include Silver Lake Resources Limited (ASX: SLR) Deflector mine with ~ 1.27 Moz Au @ 13.5 g/t & 3 Mt @ 0.8% Cu)¹.

Cooper is targeting Orogenic Au and Cu-Au mineralisation (Deflector style) in the highly prospective Gullewa Greenstone Belt in the Murchison Province of the Yilgarn Craton. The vast majority of exploration has been within the northern limb of the Gullewa syncline which offers better exposures of greenstone belt and has been successful in the discovery of a number of gold deposits, most notably Deflector, which is a blind gold deposit under cover.

Aeromagnetic Survey and Mapping

Cooper completed 2,263 total line kilometres of 50m spaced aeromagnetic and radiometric surveys in the first quarter of 2023. In conjunction with further detailed mapping (**Figure 4**) and rock chip sampling, the geophysics enabled planning of geochemical sampling completed in late 2023. Rock chip assay results included a sample of silicified basalt float from one of the previous soil Au geochemical anomalies which reported a concentration of **Au at 2.56 g/t** (Appendix 1).

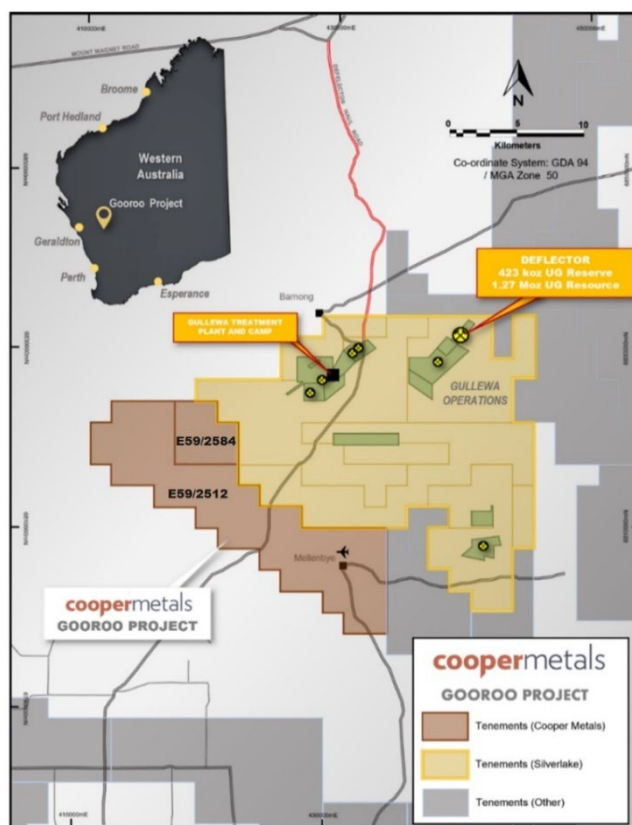


Figure 1: Location of the Gooroo Project

Soil Geochemistry Results

Cooper completed infill soil sampling primarily on a 100m spaced grid, over anomalous gold areas identified in the 200m regional soil sampling survey reported in early 2022² (**Figure 2**) as well as completing sampling in new areas following the acquisition of tenement E59/2584. Six hundred and forty-one soil samples were collected late in 2023. Encouragingly, gold (Au) assays up to 33.2 ppb were returned from the sampling, with samples greater than 4ppb Au considered anomalous.

Gold anomalies were ranked based on their strength, the presence of other anomalous pathfinder elements such as arsenic (As), clustering of anomalous Au sample results, and the proximity of the gold anomalies to mapped greenstone outcrop and/or interpreted faults.

Five priority areas are identified for follow up (**Figure 3**) :

- Anomaly 1: has a maximum value of 33.2 ppb Au and occurs over mafic to felsic and andesitic porphyry contacts. This anomaly is also close to an intersection of a NNE trending fault with an E-W structure and NW trending structures. Assay results of silicified basalt float from within the soil anomaly area returned 2.56g/t Au.
- Anomaly 2: in the NW, occurs over sub cropping greenstone and also has anomalous As and Au with a new peak value of 15.2 ppb Au.
- Anomaly 3: near the centre of E59/2584 is coincident with a lateritic cap adjacent sub cropping greenstone with a peak value of 7.6 ppb Au and coincident pathfinder anomalies.
- Anomaly 4: is a tight cluster of gold anomalism over mafic rocks, close to a large NE trending structure, with peak value of 6.0 ppb Au.
- Anomaly 5: in the SE of the grid area is a broad area of anomalous gold samples near a structurally complex zone of intersecting faults, with a peak value of 12 ppb Au.

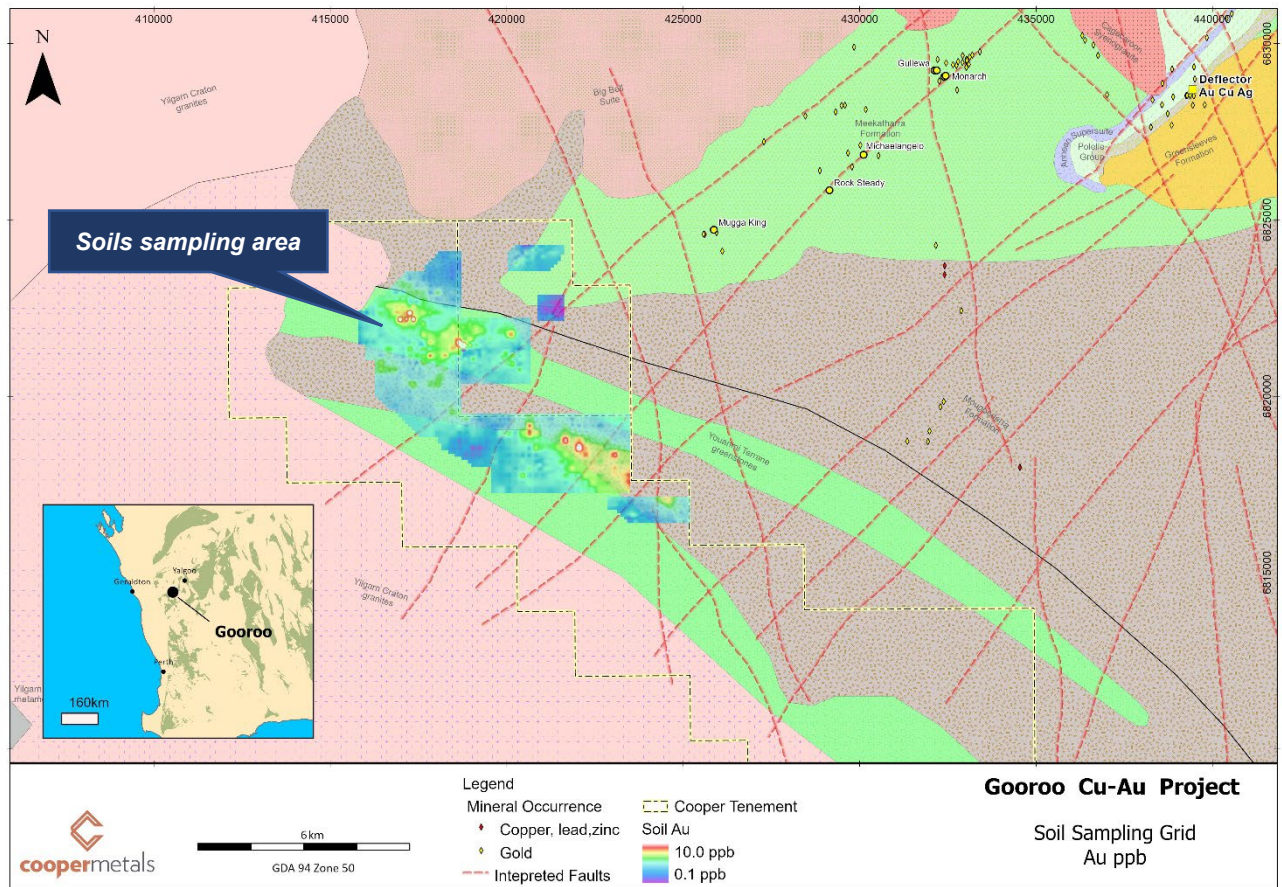


Figure 2: Gooroo Project over GSWA geology (500K), interpreted faults and soil sampling grid

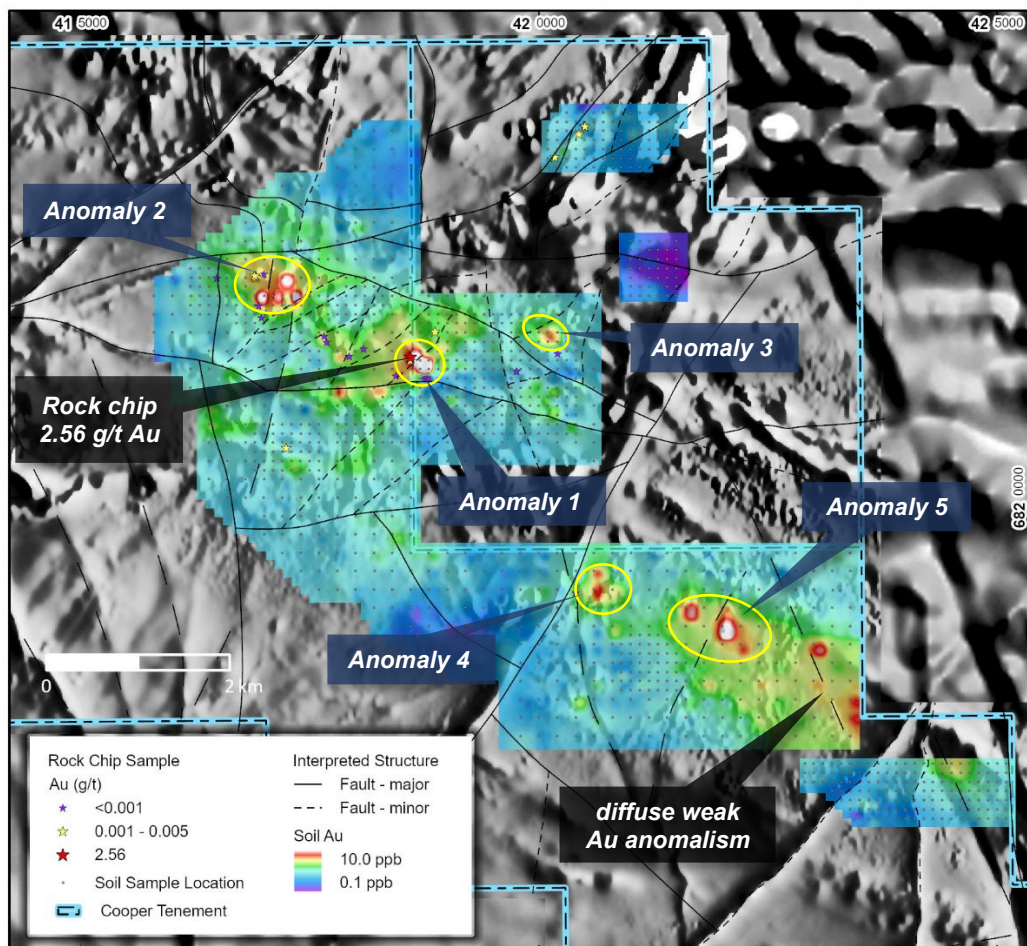


Figure 3: Cooper soil sampling (Au ppb) and rock chip (Au g/t) results against RTP magnetics



Historical Regolith Drilling

In addition to new soil geochemistry, Cooper has reviewed historical wide spaced aircore and RAB drilling undertaken primarily within E59/2584 by previous explorers. Two targets are planned for further drilling after review of the results where anomalous Au values up to 329 ppb were received (**Figure 4**). The peak values of gold were within interpreted shallow saprolite. Further infill drilling locations as well as additional lines of aircore drillholes are being planned for 2024 once all necessary regulatory approvals have been secured.

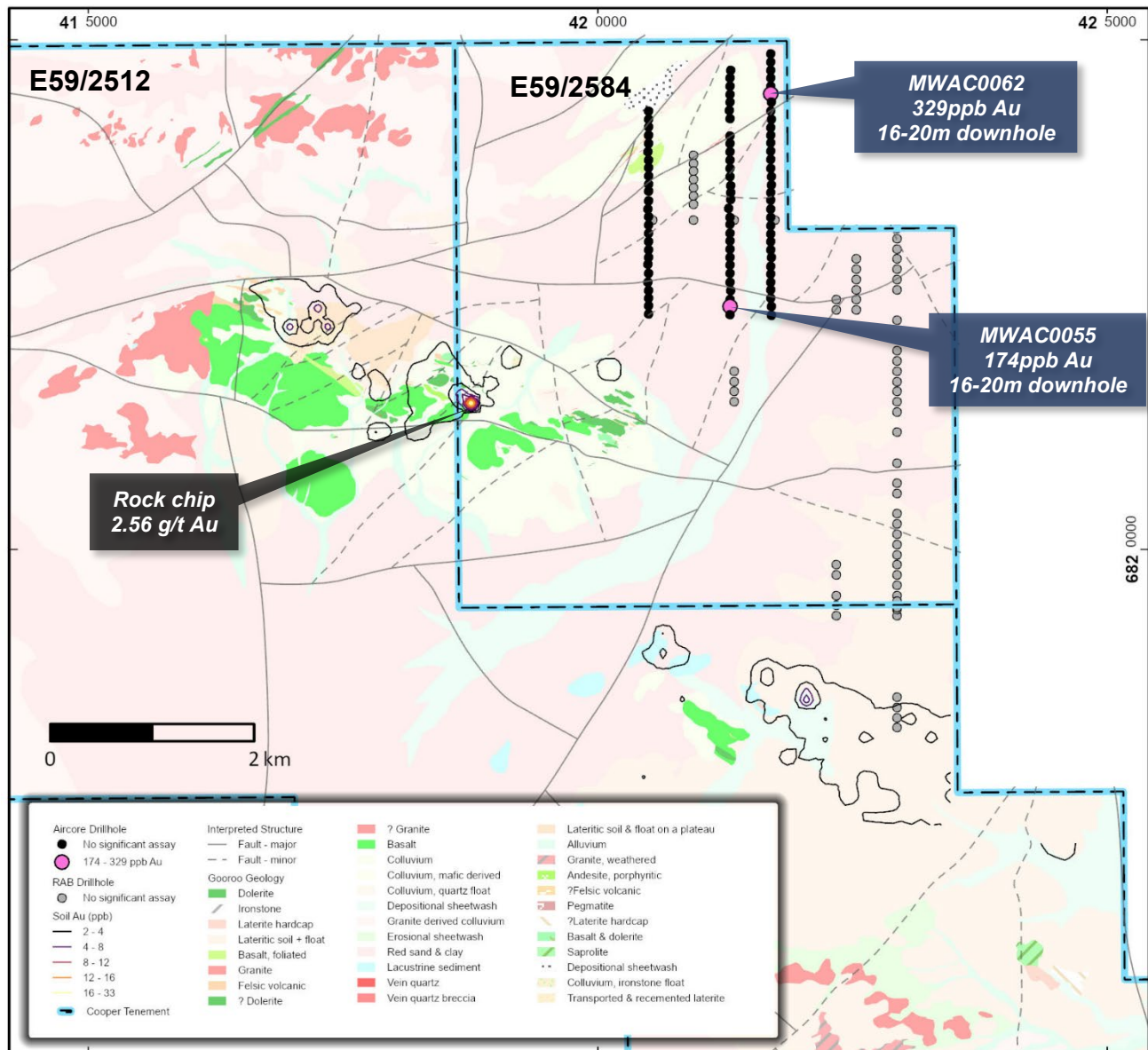


Figure 4: Previous drillholes with inferred soil Au contours over detailed geological mapping and interpreted structures

Next Steps

Cooper is planning a field trip to further ground truth the priority gold anomalies ahead of planned aircore drilling later in the year. Aircore drilling is planned in areas of cover where basement rocks are not exposed. Drilling will commence after the necessary regulatory approvals are received. Pending results, RC drilling of deeper targets will be undertaken.

This announcement has been approved and authorised to be given to the ASX by the Board of Cooper Metals Limited.

**For further information:**

Ian Warland
Managing Director
ian@coopermetals.com.au
M: 0410 504 272

COMPETENT PERSON'S STATEMENT:

The information in this report that relates to Geological Interpretation and Exploration Results is based on information compiled by Ian Warland, a Competent Person who is a Member of The Australian Institute of Geoscientists. Mr Warland is employed by Cooper Metals Limited. Mr Warland 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 in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Warland consents to the inclusion in the report of the matters based on his information and the form and context in which it appears.

Reference

1. Silver Lake (ASX: SLR) website July 2021
2. ASX: CPM: 9 March 2022, New geochemical results confirm Gooroo's strong gold potential

About Cooper Metals Limited

Cooper Metals Ltd (ASX: CPM) is an ASX-listed explorer with a focus on copper and gold exploration. CPM aims to build shareholder wealth through discovery of mineral deposits. The Company has three projects all in proven mineralised terrains with access to infrastructure. The Projects are detailed briefly below:

Mt Isa East Project (Qld)

Cooper Metal's flag ship Mt Isa East Cu-Au Project covers ~1600 sq.km of tenure with numerous historical Cu-Au workings and prospects already identified for immediate follow up exploration. The Mt Isa Inlier is highly prospective for iron oxide copper gold (IOCG), iron sulphide copper gold (ISCG) and shear hosted Cu +/- Au deposits.

Gooroo Project (WA)

Lastly the Gooroo Cu and or Au Project covers newly identified greenstone belt ~20 km from Silver Lakes (ASX: SLR) Deflector mine. The 26 km expanse of covered greenstone belt has had almost no exploration and was only added to government geology maps in 2020 after reinterpretation of geophysical data.

www.coopermetals.com.au



Appendix 1: Rock chip samples and previous drilling data for Gooroo Project

CPM rock chip samples

Project	Sample Id	Au g/t	East	North
Gooroo	GOR001	<0.001	417930	6821540
Gooroo	GOR002	<0.001	418087	6821622
Gooroo	GOR003	0.002	418596	6821496
Gooroo	GOR004	<0.001	418439	6821328
Gooroo	GOR005	0.001	416912	6822407
Gooroo	GOR006	0.002	416899	6822421
Gooroo	GOR007	<0.001	420401	6818960
Gooroo	GOR008	<0.001	417685	6821695
Gooroo	GOR009	<0.001	417656	6821760
Gooroo	GOR010	<0.001	416999	6822438
Gooroo	GOR011	<0.001	416942	6822090
Gooroo	GOR012	<0.001	416971	6821963
Gooroo	GOR013	<0.001	416487	6822394
Gooroo	GOR014	<0.001	419757	6821378
Gooroo	GOR015	<0.001	420205	6821569
Gooroo	GOR016	0.001	418866	6821811
Gooroo	GOR017	0.003	420174	6823715
Gooroo	GOR018	0.001	420496	6824051
Gooroo	GOR019	0.001	420501	6824050
Gooroo	GOR020	0.001	420437	6823967
Gooroo	GOR021	2.56	418597	6821533
Gooroo	GOR023	0.005	417242	6820542

Historical drillhole data

Hole ID	Easting	Northing	Total Depth (m)	AZI (true)	Dip	Company	Date	Method
GRR009	421739	6823231	33	0	-90	Gullewa Gold NL	1997	RAB
GRR010	421339	6823231	36	0	-90	Gullewa Gold NL	1997	RAB
GRR011	420939	6823231	48	0	-90	Gullewa Gold NL	1997	RAB
GRR012	420539	6823231	19	0	-90	Gullewa Gold NL	1997	RAB
GRR194	422939	6818251	44	0	-90	Gullewa Gold NL	1997	RAB
GRR195	422939	6818351	12	0	-90	Gullewa Gold NL	1997	RAB
GRR196	422939	6818451	3	0	-90	Gullewa Gold NL	1997	RAB
GRR197	422939	6818551	5	0	-90	Gullewa Gold NL	1997	RAB
GRR198	422939	6819351	39	0	-90	Gullewa Gold NL	1997	RAB
GRR199	422939	6819451	6	0	-90	Gullewa Gold NL	1997	RAB
GRR200	422939	6819551	6	0	-90	Gullewa Gold NL	1997	RAB
GRR201	422939	6819651	54	0	-90	Gullewa Gold NL	1997	RAB
GRR202	422939	6819751	3	0	-90	Gullewa Gold NL	1997	RAB
GRR203	422939	6819851	3	0	-90	Gullewa Gold NL	1997	RAB
GRR204	422939	6819951	3	0	-90	Gullewa Gold NL	1997	RAB
GRR205	422939	6820051	3	0	-90	Gullewa Gold NL	1997	RAB
GRR206	422939	6820151	69	0	-90	Gullewa Gold NL	1997	RAB
GRR207	422939	6820251	3	0	-90	Gullewa Gold NL	1997	RAB
GRR208	422939	6820351	54	0	-90	Gullewa Gold NL	1997	RAB
GRR209	422939	6820451	3	0	-90	Gullewa Gold NL	1997	RAB
GRR210	422939	6820551	33	0	-90	Gullewa Gold NL	1997	RAB
GRR211	422939	6820651	24	0	-90	Gullewa Gold NL	1997	RAB
GRR212	422939	6820851	12	0	-90	Gullewa Gold NL	1997	RAB
GRR213	422939	6821351	39	0	-90	Gullewa Gold NL	1997	RAB
GRR214	422939	6821551	38	0	-90	Gullewa Gold NL	1997	RAB
GRR215	422939	6821451	12	0	-90	Gullewa Gold NL	1997	RAB
GRR216	422939	6821151	59	0	-90	Gullewa Gold NL	1997	RAB
GRR217	422939	6821651	24	0	-90	Gullewa Gold NL	1997	RAB
GRR218	422939	6821751	36	0	-90	Gullewa Gold NL	1997	RAB
GRR219	422939	6821851	27	0	-90	Gullewa Gold NL	1997	RAB
GRR220	422939	6821951	64	0	-90	Gullewa Gold NL	1997	RAB
GRR221	422939	6822251	48	0	-90	Gullewa Gold NL	1997	RAB



Hole ID	Easting	Northing	Total Depth (m)	AZI (true)	Dip	Company	Date	Method
GRR222	422939	6822551	45	0	-90	Gullewa Gold NL	1997	RAB
GRR223	422939	6822651	60	0	-90	Gullewa Gold NL	1997	RAB
GRR224	422939	6822751	75	0	-90	Gullewa Gold NL	1997	RAB
GRR225	422939	6822851	52	0	-90	Gullewa Gold NL	1997	RAB
GRR226	422939	6822951	60	0	-90	Gullewa Gold NL	1997	RAB
GRR227	422939	6823051	48	0	-90	Gullewa Gold NL	1997	RAB
GRR255	422539	6822851	46	0	-90	Gullewa Gold NL	1997	RAB
GRR256	422539	6822351	31	0	-90	Gullewa Gold NL	1997	RAB
GRR257	422539	6822451	69	0	-90	Gullewa Gold NL	1997	RAB
GRR258	422539	6822551	33	0	-90	Gullewa Gold NL	1997	RAB
GRR259	422539	6822651	45	0	-90	Gullewa Gold NL	1997	RAB
GRR260	422539	6822751	39	0	-90	Gullewa Gold NL	1997	RAB
GRR261	422339	6819351	51	0	-90	Gullewa Gold NL	1997	RAB
GRR262	422339	6819451	69	0	-90	Gullewa Gold NL	1997	RAB
GRR263	422339	6819551	65	0	-90	Gullewa Gold NL	1997	RAB
GRR264	422339	6819751	57	0	-90	Gullewa Gold NL	1997	RAB
GRR265	422339	6819851	5	0	-90	Gullewa Gold NL	1997	RAB
GRR266	422339	6822351	30	0	-90	Gullewa Gold NL	1997	RAB
GRR267	422339	6822451	36	0	-90	Gullewa Gold NL	1997	RAB
GRR268	420939	6823871	60	0	-90	Gullewa Gold NL	1997	RAB
GRR269	420939	6823791	72	0	-90	Gullewa Gold NL	1997	RAB
GRR270	420939	6823711	21	0	-90	Gullewa Gold NL	1997	RAB
GRR271	420939	6823631	69	0	-90	Gullewa Gold NL	1997	RAB
GRR272	420939	6823551	57	0	-90	Gullewa Gold NL	1997	RAB
GRR273	420939	6823471	41	0	-90	Gullewa Gold NL	1997	RAB
GRR274	420939	6823391	38	0	-90	Gullewa Gold NL	1997	RAB
GRR275	422939	6819411	33	0	-90	Gullewa Gold NL	1997	RAB
GRR276	422939	6819431	30	0	-90	Gullewa Gold NL	1997	RAB
GRR277	422939	6819471	33	0	-90	Gullewa Gold NL	1997	RAB
GRR278	422939	6819491	30	0	-90	Gullewa Gold NL	1997	RAB
GRR287	421339	6821451	27	0	-90	Gullewa Gold NL	1997	RAB
GRR288	421339	6821551	28	0	-90	Gullewa Gold NL	1997	RAB
GRR289	421339	6821651	33	0	-90	Gullewa Gold NL	1997	RAB
GRR290	421339	6821751	51	0	-90	Gullewa Gold NL	1997	RAB
MWAC0001	420501	6824301	9	360	-60	Doray Minerals Ltd	2018	AC
MWAC0002	420497	6824218	5	360	-60	Doray Minerals Ltd	2018	AC
MWAC0003	420495	6824142	3	360	-60	Doray Minerals Ltd	2018	AC
MWAC0004	420501	6824062	21	360	-60	Doray Minerals Ltd	2018	AC
MWAC0005	420497	6823982	15	360	-60	Doray Minerals Ltd	2018	AC
MWAC0006	420493	6823899	19	360	-60	Doray Minerals Ltd	2018	AC
MWAC0007	420497	6823818	19	360	-60	Doray Minerals Ltd	2018	AC
MWAC0008	420497	6823743	21	360	-60	Doray Minerals Ltd	2018	AC
MWAC0009	420497	6823663	21	360	-60	Doray Minerals Ltd	2018	AC
MWAC0010	420499	6823582	28	360	-60	Doray Minerals Ltd	2018	AC
MWAC0011	420495	6823515	26	360	-60	Doray Minerals Ltd	2018	AC
MWAC0012	420499	6823420	30	360	-60	Doray Minerals Ltd	2018	AC
MWAC0013	420493	6823342	39	360	-60	Doray Minerals Ltd	2018	AC
MWAC0014	420500	6823267	44	360	-60	Doray Minerals Ltd	2018	AC
MWAC0015	420498	6823183	62	360	-60	Doray Minerals Ltd	2018	AC
MWAC0016	420500	6823102	59	360	-60	Doray Minerals Ltd	2018	AC
MWAC0017	420498	6823022	53	360	-60	Doray Minerals Ltd	2018	AC
MWAC0018	420499	6822941	55	360	-60	Doray Minerals Ltd	2018	AC
MWAC0019	420500	6822863	59	360	-60	Doray Minerals Ltd	2018	AC
MWAC0020	420493	6822797	66	360	-60	Doray Minerals Ltd	2018	AC
MWAC0021	420495	6822711	58	360	-60	Doray Minerals Ltd	2018	AC
MWAC0022	420492	6822624	71	360	-60	Doray Minerals Ltd	2018	AC
MWAC0023	420496	6822543	79	360	-60	Doray Minerals Ltd	2018	AC
MWAC0024	420495	6822465	73	360	-60	Doray Minerals Ltd	2018	AC
MWAC0025	420495	6822389	78	360	-60	Doray Minerals Ltd	2018	AC
MWAC0026	420495	6822312	80	360	-60	Doray Minerals Ltd	2018	AC
MWAC0027	421305	6824701	6	360	-60	Doray Minerals Ltd	2018	AC
MWAC0028	421296	6824626	10	360	-60	Doray Minerals Ltd	2018	AC
MWAC0029	421300	6824543	8	360	-60	Doray Minerals Ltd	2018	AC



Hole ID	Easting	Northing	Total Depth (m)	AZI (true)	Dip	Company	Date	Method
MWAC0030	421298	6824466	7	360	-60	Doray Minerals Ltd	2018	AC
MWAC0031	421295	6824386	8	360	-60	Doray Minerals Ltd	2018	AC
MWAC0032	421292	6824306	4	360	-60	Doray Minerals Ltd	2018	AC
MWAC0033	421299	6824224	13	360	-60	Doray Minerals Ltd	2018	AC
MWAC0034	421298	6823980	43	360	-60	Doray Minerals Ltd	2018	AC
MWAC0035	421298	6824058	4	360	-60	Doray Minerals Ltd	2018	AC
MWAC0036	421294	6823900	48	360	-60	Doray Minerals Ltd	2018	AC
MWAC0037	421298	6823822	60	360	-60	Doray Minerals Ltd	2018	AC
MWAC0038	421294	6823741	63	360	-60	Doray Minerals Ltd	2018	AC
MWAC0039	421295	6823657	83	360	-60	Doray Minerals Ltd	2018	AC
MWAC0040	421301	6823571	43	360	-60	Doray Minerals Ltd	2018	AC
MWAC0041	421302	6823502	36	360	-60	Doray Minerals Ltd	2018	AC
MWAC0042	421303	6823434	75	360	-60	Doray Minerals Ltd	2018	AC
MWAC0043	421286	6823348	68	360	-60	Doray Minerals Ltd	2018	AC
MWAC0044	421294	6823261	72	360	-60	Doray Minerals Ltd	2018	AC
MWAC0045	421298	6823187	63	360	-60	Doray Minerals Ltd	2018	AC
MWAC0046	421298	6823103	54	360	-60	Doray Minerals Ltd	2018	AC
MWAC0047	421299	6823027	72	360	-60	Doray Minerals Ltd	2018	AC
MWAC0048	421297	6822945	96	360	-60	Doray Minerals Ltd	2018	AC
MWAC0049	421298	6822863	66	360	-60	Doray Minerals Ltd	2018	AC
MWAC0050	421298	6822789	63	360	-60	Doray Minerals Ltd	2018	AC
MWAC0051	421298	6822706	57	360	-60	Doray Minerals Ltd	2018	AC
MWAC0052	421296	6822619	66	360	-60	Doray Minerals Ltd	2018	AC
MWAC0053	421301	6822541	94	360	-60	Doray Minerals Ltd	2018	AC
MWAC0054	421296	6822455	78	360	-60	Doray Minerals Ltd	2018	AC
MWAC0055	421298	6822384	77	360	-60	Doray Minerals Ltd	2018	AC
MWAC0056	421298	6822303	61	360	-60	Doray Minerals Ltd	2018	AC
MWAC0057	421699	6824863	8	360	-60	Doray Minerals Ltd	2018	AC
MWAC0058	421700	6824783	14	360	-60	Doray Minerals Ltd	2018	AC
MWAC0059	421694	6824704	10	360	-60	Doray Minerals Ltd	2018	AC
MWAC0060	421697	6824625	9	360	-60	Doray Minerals Ltd	2018	AC
MWAC0061	421697	6824546	6	360	-60	Doray Minerals Ltd	2018	AC
MWAC0062	421700	6824469	35	360	-60	Doray Minerals Ltd	2018	AC
MWAC0063	421703	6824389	49	360	-60	Doray Minerals Ltd	2018	AC
MWAC0064	421699	6824302	63	360	-60	Doray Minerals Ltd	2018	AC
MWAC0065	421701	6824219	77	360	-60	Doray Minerals Ltd	2018	AC
MWAC0066	421700	6824141	60	360	-60	Doray Minerals Ltd	2018	AC
MWAC0067	421694	6824065	45	360	-60	Doray Minerals Ltd	2018	AC
MWAC0068	421697	6823988	45	360	-60	Doray Minerals Ltd	2018	AC
MWAC0069	421697	6823905	39	360	-60	Doray Minerals Ltd	2018	AC
MWAC0070	421694	6823827	26	360	-60	Doray Minerals Ltd	2018	AC
MWAC0071	421697	6823740	42	360	-60	Doray Minerals Ltd	2018	AC
MWAC0072	421701	6823660	39	360	-60	Doray Minerals Ltd	2018	AC
MWAC0073	421702	6823578	46	360	-60	Doray Minerals Ltd	2018	AC
MWAC0074	421697	6823501	48	360	-60	Doray Minerals Ltd	2018	AC
MWAC0075	421698	6823426	46	360	-60	Doray Minerals Ltd	2018	AC
MWAC0076	421695	6823342	78	360	-60	Doray Minerals Ltd	2018	AC
MWAC0077	421697	6823258	27	360	-60	Doray Minerals Ltd	2018	AC
MWAC0078	421697	6823179	32	360	-60	Doray Minerals Ltd	2018	AC
MWAC0079	421697	6823098	35	360	-60	Doray Minerals Ltd	2018	AC
MWAC0080	421696	6823019	58	360	-60	Doray Minerals Ltd	2018	AC
MWAC0081	421697	6822939	69	360	-60	Doray Minerals Ltd	2018	AC
MWAC0082	421702	6822863	63	360	-60	Doray Minerals Ltd	2018	AC
MWAC0083	421696	6822779	69	360	-60	Doray Minerals Ltd	2018	AC
MWAC0084	421697	6822701	51	360	-60	Doray Minerals Ltd	2018	AC
MWAC0085	421696	6822623	60	360	-60	Doray Minerals Ltd	2018	AC
MWAC0086	421696	6822548	60	360	-60	Doray Minerals Ltd	2018	AC
MWAC0087	421695	6822463	56	360	-60	Doray Minerals Ltd	2018	AC
MWAC0088	421703	6822382	57	360	-60	Doray Minerals Ltd	2018	AC
MWAC0089	421703	6822296	58	360	-60	Doray Minerals Ltd	2018	AC

Note: Coordinates GDA94 Zone 50



APPENDIX 2: The following tables are provided to ensure compliance with JORC Code (2012) requirements for exploration results for the Gooroo Cu-Au Project in WA.

1.1. Section 1 Sampling Techniques and Data to update

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• 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. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • 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.	• Cooper Metals Ltd (ASX: CPM) is reporting a new geochemistry survey completed at the Company's Gooroo Project. • CPM Rock chip samples were collected predominantly on selective outcrop where there were signs of mineralisation or alteration of interest. • All samples were submitted to ALS Laboratory in Perth for sample preparation and analysis. • Rock samples preparation completed by ALS using method CRU-21 crush of 70% passing 6mm, then PUL-23 pulverise to nominal 85% passing 75 microns. • Samples were analysed using method ME-ICP61 for 33 element four acid ICP-AES. Au was analysed by 50g charge ICP-AES finish code a-Au-ICP22. • CPM is reporting the results of regional and infill soil sampling conducted in 2023. ○ 641 CPM Soil samples were collected on a grid 100m by 100m, or in some limited areas, 200m x 200m. Samples were collected from around 0.2m depth and sieved to -2mm. Approximately 500g of the -2mm fraction was collected in an individually numbered calico bag and sent to ALS laboratories in Perth. ○ The soil sampling program avoided creeks and outcrop. Soil depth was taken around 20cm deep in the top of the C horizon and designed to avoid aeolian contamination. ○ At the Lab, soil samples were sorted and dried with pulverising to 250g of soil to 85% < 75 microns (PIL 31-L) ○ Soil samples were analysed at ALS Perth using Super Trace AuME-ST43 analysis for Au plus multi-element package. A 25g sample was subjected to an aqua regia digestion with ICP-MS finish. If Au >0.1ppm then run method Au-AROR43. Following digestion 52 additional elements were determined from the same solution via a combination of ICP-MS and ICP-AES for Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Pd, Pt, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn, Zr ○ Refer to previous announcement² for methods related to soil samples from 2021 and 2022. ○ Aeromagnetic / radiometric survey over the Gooroo project was undertaken by



Criteria	JORC Code explanation	Commentary
		MAGSPEC Airborne Surveys over the period 4 – 7 March 2023.
Drilling techniques	• 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).	• No new drilling is reported in this release. • CPM has referred to drilling completed by Gullewa Gold NL (1997) and Doray Minerals Limited (2018). • Gullewa Gold NL RAB: ◦ Limited information available from historical exploration reports. Rotary Air Blade drilling was completed with vertical holes drilled ranging from 3 to 75m depth. • Doray (now Silverlake Resources) Aircore: ◦ Limited information available from historical exploration reports. Aircore drilling was completed with angled holes (360° azimuth, -60° dip) ranging from 3 to 96m depth downhole.
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples. • 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.	• No new drilling is reported in this release. • No sample recovery information was included in the historical exploration reports.
Logging	• 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.	• No new drillhole logging reported in this release. • CPM soil samples included description of the landform. Depth of sample collection was recorded. • Historical drilling sample logging information was included in the historical exploration reports and databases including lithology, mineralogy, veining, alteration, weathering, structure, and other sample features as appropriate to the style of deposit.
	• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	• No new logging reported in this release. • All field descriptions are qualitative in nature.
	• The total length and percentage of the relevant intersections logged.	• No new drilling reported in this release. The historical information includes geological logging for each interval drilled.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. • 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. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• No new drill hole logging reported in this release. • CPM Soil sample size was a <2mm sieved portion of around 0.5kg and is considered appropriate for the level of reporting and regional exploration. • At the Lab, soil samples were sorted and dried with pulverising to 250g of soil to 85% < 75 microns (PIL 31-L). • Soil samples were analysed at ALS Perth using Super Trace AuME-ST43 analysis for Au plus multi-element package. A 25g sample was subjected to an aqua regia digestion with ICP-MS finish. If Au >0.1ppm then run method Au-AROR43. Following digestion 52 additional elements were determined from the same solution via a combination of ICP-MS and ICP-AES for Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Pd, Pt, Rb, Re,



Criteria	JORC Code explanation	Commentary
		S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn, Zr. Historical drilling results referred to this release include gold values from aircore drilling in 2018. No specific sample methods were detailed in the reports. Assay information from the drillhole database shows the assays referred to were analysed by method FA50AAS (50g Fire Assay with Flame AAS) undertaken by MinAnalytical, Perth.
Quality of assay data and laboratory tests	- The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. - 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. - 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.	- CPM soil samples - No duplicates, standards or blanks were submitted. The laboratory inserted standards, repeats and duplicates as part of their QAQC system. QAQC is considered appropriate for regional exploration. - ALS inserts standards and repeat analysis as part of routine QAQC. - No detailed information available for historical drilling within the exploration reports. - Airborne magnetic / radiometric survey parameters: - Aircraft - Cessna 206 2,263-line kilometres on 50m spaced east-west lines - Sensor height 30m - Magnetic survey: - Magnetometer – G-823A caesium vapour magnetometer - Resolution - 0.001 nT resolution - Sensitivity - 0.01 nT sensitivity - Data acquisition 20Hz - Compensation - 3-axis fluxgate magnetometer - Radiometric survey: - RSI RS-500 gamma-ray spectrometer incorporating 2x RSX-4 detector packs - Total Crystal Volume - 32 L - Channels – 1024 - Sample Rate - 2 Hz - Stabilisation Multi-peak automatic gain
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	- Due to the early stage of exploration, no verification of significant results has been completed at this time. - Airborne magnetic / radiometric data has been reviewed and modelled by Southern Geoscience Consultants in Perth as well as Fathom Geophysics in Dunsborough, WA.
	The use of twinned holes.	- No new drilling reported in this release - No twinned holes are in the historical drilling data
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	All data is digitally recorded.
	Discuss any adjustment to assay data.	No adjustments to the data.
Location of data points	- 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. - Specification of the grid system used. - Quality and adequacy of topographic control.	- No new drilling reported in this release - Soil sample locations were recorded with a handheld GPS, GDA94 Zone 50. - No detailed information available for historical drilling within the exploration reports. Locations are provided from GeoView
	Data spacing for reporting of Exploration Results.	Soil samples were completed mostly on a



Criteria	JORC Code explanation	Commentary
Data spacing and distribution		100m by 100m grid orientated east-west., with some infill of previous 200m grids and some new 200 x 200m grids around the 100m grids. • Airborne magnetic data – was acquired on 50m spaced east-west lines at 20Hz or ~ 1 reading every 3.5m. • Airborne radiometric data - was acquired on 50m spaced east-west lines at 2Hz or ~ 1 reading every 35m. • Historical drillholes are spaced nominally 80m apart
	• 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.	• No mineral resources or reserves have been estimated, soil sample results are early exploration results only.
	• Whether sample compositing has been applied.	• No sample compositing applied. • It is understood composite samples were analysed in the historical drilling programs, however detailed information is limited.
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • 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.	• CPM soil sample lines were orientated in a grid running east-west and north-south. • Orientation of the grid is considered appropriate for exploration. • Drill hole lines for historical drilling are oriented north south, which is mostly perpendicular to the geology contacts mapped at the surface and the overall trend of geology contacts in geophysics. • Generally, the orientation is considered appropriate. No sampling bias is considered to have been introduced, however the geological model is still evolving, and localised orientation of mineralisation may vary along strike.
Sample security	• The measures taken to ensure sample security.	• CPM soil samples are collected in individually numbered calico bags and loaded into polyweave bags and cable tied. • Samples were collected and transported to the Perth laboratory by CPM personnel along with appropriate identification and paperwork. • Historical Drilling - No detailed information available or reported
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• No audits or reviews undertaken.



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	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.	- Tenement E59/2512 referred to in this release is held by Trapsite minerals Pty Ltd, Trapsite Minerals Pty Ltd is a fully owned subsidiary of Cooper Metals Ltd. - Tenement E59/2584 is Cooper Metals Ltd (100%).
	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.	The tenement is secure under WA legislation.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previous exploration is mostly north and east of the Gooroo Project. Very little exploration has been completed on the Gooroo Project tenements.
Geology	Deposit type, geological setting and style of mineralisation.	The Gooroo Project is in the Gullewa Archean Greenstone belt in WA. The Gullewa Greenstone belt is folded into a broad east-west trending, east plunging regional syncline with clastic sediments at its core and can be divided into three broad lithological domains, northern, southern and eastern. The Gooroo Project is in the southern domain where exposure of the greenstones is generally poor. The Gooroo Project is prospective for Archean Gold and Deflector style copper-gold deposits. It is also prospective for Archean Volcanic Massive Sulphide deposits. See the body of this release for more information.
Drill hole Information	- 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: - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - down hole length and interception depth - hole length. - 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.	- No new drilling reported in this release. - Historical drilling results by previous explorers referred to in this release (See Appendix 1 of this release).
Data aggregation methods	- 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. - 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	- No new drill results reported. - For previous explorers drilling results no weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) or cut-off grades were required. - Only individual maximum lab assay results were referred to.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents used in this release.



Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	- These relationships are particularly important in the reporting of Exploration Results. - If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. - 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').	- The azimuth and dip data for all holes is presented in Appendix 1. RAB drillholes were vertical which is typical for Geochem sampling of the regolith with RAB. Aircore holes were drilled at angles approximating - 60° dip on the interpretation of steeply dipping mineralised horizon and approximately perpendicular to the strike of the mapped geology. - The nature and dip of the mineralisation are still being evaluated or currently unknown. - True widths and downhole widths are not reported in this release.
Diagrams	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.	A collar plan of all collar locations are provided in the main body of this announcement
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.	The Competent person considers the reporting balances for early exploration results.
Other substantive exploration data	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.	Very little exploration has been conducted in the Gooroo Tenement. Extensive previous exploration has occurred outside of the tenement area mostly to the north of The Gooroo Project.
Further work	The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).	Early-stage exploration and follow-up of identified Au anomalies including additional interpretation of geophysical data, reviews and assessments of regional targets and infill geochemical sampling of ranked anomalies in preparation for future drill testing.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Refer to figures in this report.