

QUARTERLY ACTIVITIES REPORT

For the Quarter Ended 30 September 2024

Tennant Minerals Limited ("Tennant", "TMS" or "the Company") is pleased to present the Company's quarterly activities and cashflow report for the September Quarter, 2024. The Company continued to advance the high-grade Bluebird copper-gold discovery at its 100%-owned Barkly Project near Tennant Creek in the Northern Territory of Australia during the quarter ended 30 September 2024 ("the Quarter").

Tennant Minerals announced a landmark Strategic Copper and Gold Alliance (the "Alliance") with CuFe Limited and Emmerson Resources Limited to fast-track the development of copper and gold resources near Tennant Creek¹. Utilising the combined resources and potential of the partners, the Alliance aims to:

- Assess the viability a single multi-user processing facility in the High-Grade Tennant Creek region.
- Complete a Scoping Study on developmental options for the Emmerson and Tennant Minerals 100% owned deposits and the CuFe operated JV deposits (CuFe 55%/Gecko Mining Company P/L 45%), followed by a Pre-Feasibility study
- Commence activities as soon as possible using the technical resources available in each of the company teams.

The Company completed and announced results for a 22 hole reverse circulation (RC) drilling program for 6,253m during the Quarter². The drilling successfully expanded the eastern and western extents of the identified high-grade copper-gold mineralisation at Bluebird (Figure 1).

Results include:

- 5m @ 8.3 g/t Au, 2.0% Cu, 9.8 g/t Ag, 0.27% Bi in BBRC0040
- 8m @ 2.1% Cu, 0.48 g/t Au from 260m from BBRC0044
- 3m @ 43.7% Cu, 0.19 g/t Au, 3.4 g/t Ag from 342m in BBRC0041
- 16m @ 2.5% Cu, 0.62 g/t Au, 2.7 g/t Ag from 158m in BBRC0034

The Company finished the Quarter with \$3.3M in cash reserves ensuring the Company can actively pursue its exploration and drilling activity plans for the remainder of 2024.

Tennant Minerals CEO, Vincent Algar, commented on the Quarterly progress:

"The results from the recent drilling continue to confirm the high gold and copper grades we have seen consistently at Bluebird as the zone of mineralisation continues to grow. Our most recent program has extended the mineralised zones further to the east and down-plunge to the west of previous drilling.

The latest results reinforce our confidence in being able to define copper-gold mineral resources in line with our goal to become a major player in the rejuvenated Tennant Creek Mineral Field, which has already produced 5.5Moz of gold and 700kt of copper³.

This aim is now strongly supported by our Strategic Copper and Gold Alliance with Tennant Creek Explorers, Emmerson Resources and CuFe Limited. Together we recognise the opportunity of pooling our strengths to evaluate the development of a new processing facility.



As we advance the aims of the Alliance, TMS is greatly incentivised to continue the expansion of Bluebird and actively exploring the greater than 5km strike-length gravity corridor within the Barkly tenement. Recent re-evaluation of geophysical data has confirmed several repeats of the Bluebird geophysical signature, and further work is well underway to define and test targets for new discoveries."

QUARTER HIGHLIGHTS

BLUEBIRD COPPER-GOLD DRILLING PROGRAM (BARKLY PROJECT, TMS 100%)

During the Quarter, the Company successfully completed and announced² the first of its 2024 drilling programs at the Company's 100% owned Barkly Project (APPENDIX 1). The project is located 40km East of Tennant Creek in the Northern Territory in the richly endowed Tennant Creek Mineral Field (TCMF) that produced 5.5Moz of gold and 700kt of copper from 1934 to 2005³. This program comprised 22 Reverse Circulation (RC) drillholes for a total of 6,253m (APPENDIX 2).

Results included thick, high-grade copper and gold intersections including silver to the west and down-plunge of previous drilling, confirming and extending the potential for the high-grade mineralisation to continue to the west within the regional ironstone gravity corridor. Highlights include²:

- A 5m high-grade gold zone grading 8.3 g/t Au, 2.0% Cu, 9.8 g/t Ag, 0.27% Bi in BBRC0040 incl. grades of up to 22.7 g/t Au, 1.6% Cu, 41.4 g/t Ag, 0.51% Bi from 233m, in an overall zone of 14m @ 4.0% CuEq* (0.8% Cu, 3.0 g/t Au, 3.6 g/t Ag, 0.1% Bi)
- 18m @ 1.3% CuEq* (1.1% Cu, 0.22 g/t Au) from 260m in BBRC0044
 incl. 8m @ 2.7% CuEq* (2.1% Cu, 0.48 g/t Au) from 260m
- 3m @ 4.0% CuEq* (3.7% Cu, 0.19 g/t Au, 3.4 g/t Ag) from 342m in BBRC0041

A new well-mineralised zone of copper-gold mineralisation identified at Bluebird East (Figure 1 and Figure 2), which is thickening with depth and demonstrates significant expansion potential. Results include²:

- 28m @ 2.1% CuEq* (1.6% Cu, 0.5 g/t Au, 2.4 g/t Ag) from 146m downhole in BBRC0034 incl. 16m @ 3.2% CuEq* (2.5% Cu, 0.62 g/t Au, 2.7 g/t Ag) from 158m incl. 2m @ 7.9% Cu, 0.85 g/t Au, 7.8 g/t Ag from 158m
- 15m @ 1.0% CuEq* (0.74% Cu, 0.09 g/t Au, 0.1% Bi) from 166m in BBRC0047 41m @ 0.57% CuEq* (0.44% Cu, 0.08 g/t Au) from 156m in BBRC0046

Drilling targeted immediate extensions of the high-grade copper and bonanza gold zones, which are open to the east, west and at depth, and aims to build on the large number of previous exceptional intersections at Bluebird, including:

- 14.1m @ 7.6% Cu, 2.4 g/t Au from 90.64m incl. 2.6m @ 18.8% Cu, 12.3 g/t Au⁴ in BBDD0042,
- 17.95m @ 11.1 g/t Au, 2.7% Cu from 131m incl. 5.1m @ 38.6 g/t Au, 6.1% Cu⁵ in BBDD0026,
- 61.8m @ 2.3% Cu, 0.4 g/t Au from 149.2m incl. 6.8m @ 17% Cu, 0.5 g/t Au⁶ in BBDD0045,
- 30.5m @ 6.2% Cu, 6.8 g/t Au from 153.6m incl. 17.8m @ 5.2% Cu, 11.5 g/t Au⁷ in BBDD0018,
- 63m @ 2.1% Cu, 4.6 g/t Au from 153m incl. 27.55m @ 3.6% Cu, 10.0 g/t Au⁸ in BBDD0012, and,
- 24m @ 0.66% Cu, 11.8 g/t Au from 161m incl. 5.7m @ 0.74% Cu, 49.3 g/t Au⁹ in BBDD0021.



New interpretations of the mineralisation at Bluebird show up to four large discrete high-grade coppergold mineralised lenses (150-300m in length and 100-200m in depth).

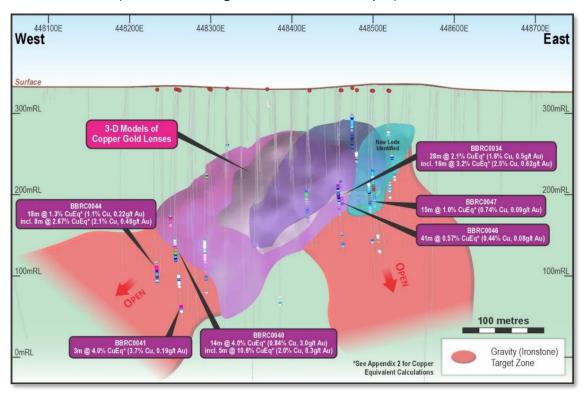


Figure 1. Longitudinal view of Bluebird Cu-Au mineralisation 3-D models with latest significant intersections extending the zone to the east, west and down-plunge

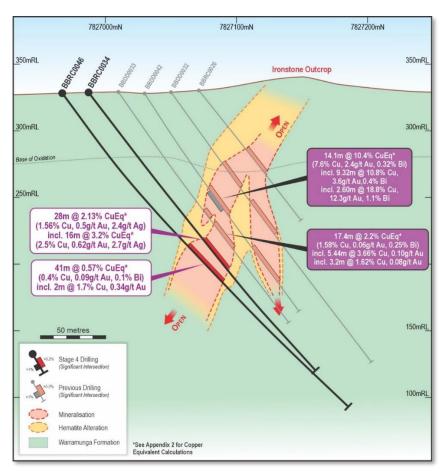


Figure 2. Cross section 448,500mE, showing thick hanging-wall copper-gold zone, open at depth



PERSEVERANCE

A review of previous work on the Perseverance area, 2km west of Bluebird, has identified a major gold target adjacent to high-grade gold results in historical drilling. Previous drilling at Perseverance produced high-grade gold results which included 3m at 50 g/t Au^{10,11} from 42m in PERC015 and 3m @ 43.2 g/t Au^{10,11} from 72m in PERC001 (Figure 3). Interpretation of gravity and magnetic geophysical data, provide additional strong support for a new drilling campaign.

The recently completed drilling between Bluebird and Perseverance included the first of new step out drilling towards the prospective Perseverance targets located 1.5km to the west of Bluebird (Figure 3). PVRC0002 intersected an ironstone horizon at 285m containing up to 0.18% copper in an overall initial intersection of 14m at 611ppm copper from 285m closely followed by 4m @ 785ppm copper from 311m (refer Table 1 below). The intersections are significant in that it locates a highly anomalous copper bearing ironstone structure that extends through the location of the historical high grade gold results near surface 100m to the East, and further supports the geophysical modelling that is guiding the expansion of the mineralisation.

Throughout the Tennant Creek region, exceptionally high gold grades without copper have been identified as stand-alone gold deposits, or the upper parts of gold-copper systems³. Results from the step out holes are shown the table below.

Hole ID	From (m)	To (m)	Interval (m)	Cu (g/t)	Au (g/t)	Ag (g/t)	Bi (g/t)	Co (g/t)	Fe (%)	Cut-off Cu (%)
PVRC0002	285	299	14	611	-	-	13	67	6	0.01% Cu
Incl.	291	295	4	1,360	-	-	24	63	6	0.1% Cu
PVRC0002	311	315	4	785	-	-	4	35	6	0.01% Cu
Incl.	311	312	1	1,804	0.006	0.08	5	50	5	0.1% Cu

Table 1. Drilling Results Perseverance Targets - Final Assays from JUN-JUL 2024 Program (Note g/t for Cu and Bi).

New drilling is being planned to target the near surface extensions of the gold zone, including drilling above the prospective zone intersected in PVRC0002.

The Company has also been successful during the period in obtaining a Resourcing the Territory Grant from the Northern Territory Government for up to 50% of the cost of a deep diamond drillhole testing below the historical Perseverance gold mine, 1.5km west of Bluebird. A specific geophysical model of Perseverance is underway by the company's geophysical consultants, which will be used to refine the best pathway for the planned diamond hole.

REGIONAL EXPLORATION

The Company believes the combination of detailed gravity, magnetics and Induced Polarisation (IP) and Resistivity data and modelling, which has been successful to date at Bluebird, are the key multicomponent elements for further discovery of Bluebird look-alikes with the greater Barkly Project. During the Quarter an active program of further detailed gravity surveying and a large auger sampling geochemistry program are nearing completion². A review of magnetics and re-processing of IP and gravity data is underway by the Company's geophysical consultant. Results will generate high-resolution data and models for drill-target identification within the more than 5km strike-length high-gravity corridor on the Barkly Project (Figure 5).



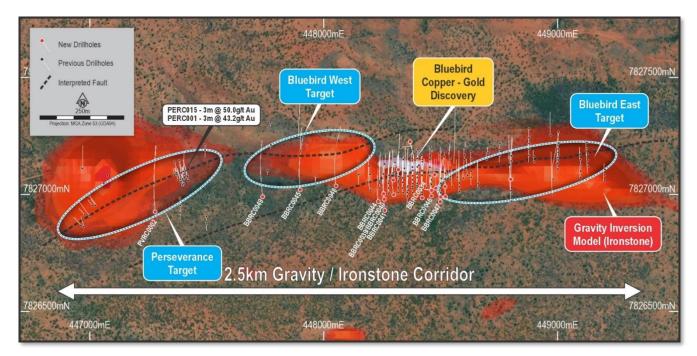


Figure 3. Plan view showing all drilling on gravity/ironstone inversion model in Bluebird Perseverance Corridor

POST QUARTER ACTIVITIES

STRATEGIC COPPER AND GOLD ALLIANCE FOR TENNANT CREEK²

Emmerson Resources Limited, CuFe Limited and Tennant Minerals Limited (the "parties") announced the formation of a Strategic Alliance to collaborate on their copper, gold and critical metals development opportunities in the Tennant Creek Region of the Northern Territory (Figure 4 and Figure 6).

Collectively, the Parties control 7.3Mt @ 0.6g/t gold, 1.7% Copper for 145,000oz of gold and 127,000t of copper in Mineral Resources from CuFe Limited in addition to the recent high-grade copper, gold and critical metals discoveries in the Tennant Creek region, which includes TMS' multiple high grade coppergold results from Bluebird since 2022 and Emmerson's Jasper Hills prospect and the nearby Hermitage discovery which has returned intersections up to 119m @ 3.3% Cu and 0.87g/t gold and 94.4m @ 2.74% Cu and 5.58g/t gold (see ASX:ERM announcement dated 17 August 2022).

The Alliance recognises that as with all of the historical high-grade deposits in the Tennant Creek district, developing the deposits independently can be economically challenging. However, with collaboration, the Parties can collectively investigate larger, more meaningful and more financially attractive development options. This strategy will provide a significant shift in the scale of any potential development in the Tennant Creek district to the benefit of the Parties and the Tennant Creek community as a whole.



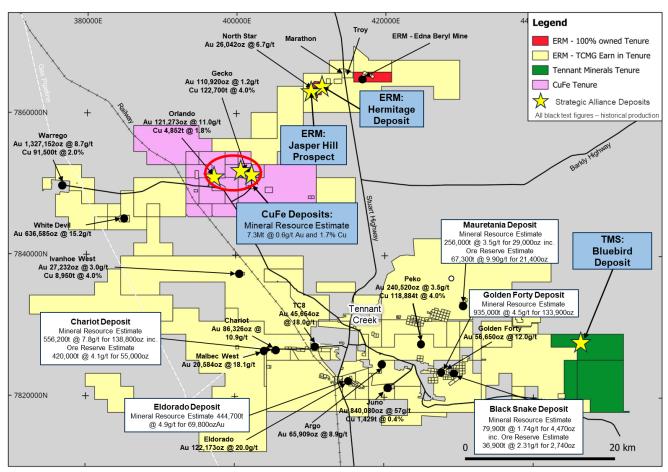


Figure 4. Tennant Creek District showing the location of CuFe's, Tennant Minerals' and 100% Emmerson's Projects and area covered by Emmerson's Exploration JV (EEJV) with TCMG

The proposed shared facility is similar to how the Tennant Creek Mineral Field (TCMF) operated historically, with centralised processing facilities from a number of the high-grade mines "feeding" the processing facilities through a "hub and spoke" development and operational model. It is this style of development and processing solution that the Strategic Alliance plans to actively investigate. As a first step the Alliance has commenced a review of information to determine options for the initial Scoping Study, with a view to then moving quickly onto a Pre-Feasibility Study and we look forward to positive outcomes emerging.

The Parties believe there is a significant opportunity in the Tennant Creek region for development of a dedicated multi-user copper (and associated metals including gold) facility in the region.

Note: Quoted production from major historical deposits after Ahmad, M. and Munson, T.J. (2013). Geology and mineral resources of the Northern Territory, Special Publication 5, For Chariot mine and Malbec West mine, quoted production from Giants Reef Mill Reconciled Production to end of month September 2005 (Giants Reef internal reporting).

DECEMBER 2024 QUARTER PLANNED ACTIVITIES

The Company has been active during the quarter with drill planning as well as new geochemical and geophysical data acquisition.

The exploration objectives for the Quarter are:

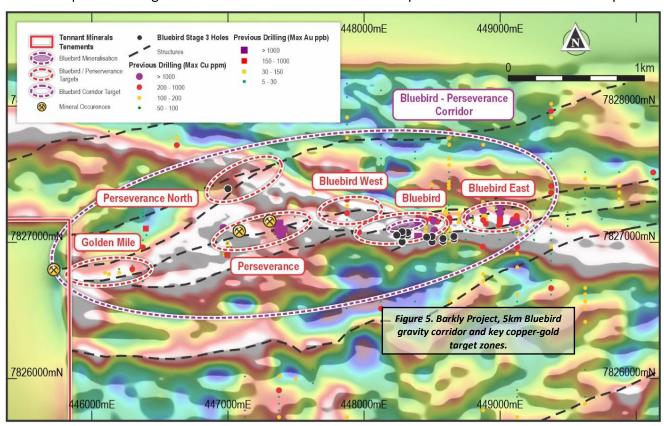
- a) Conduct a program of drilling to further extend the high grade-copper-gold mineralisation at Bluebird:
- b) Begin drill testing a number of Bluebird "look-alike" targets, along strike east and west of Bluebird;



- c) Drill near Perseverance, located 1.5km west of Bluebird where previous high-grade gold results included up to 3m at 50 g/t Au^{10,11} from 42m in PERC015 and 3m @ 43.2 g/t Au^{10,11} from 72m in PERC001. (refer Figure 3) and;
- d) Conclude new gravity and geochemical auger drilling data collection programs and begin analysis and drill target generation from across the TMS tenement package.

Strategic Copper and Gold Alliance for Tennant Creek

Activities for the Alliance will commence during the Quarter focused on commencing the Scoping study as soon as possible using the combined technical and financial capabilities within the alliance companies.



CORPORATE

At the end of the September Quarter, the Company had cash reserves of \$3,313,000. Total cash outflows for the quarter amounted to \$1,157,000 with the majority of expenditure, \$1,007,000, being utilised for in-ground exploration (see attached Appendix 5B Quarterly Cash Flow report).

The Company appointed Ms Tanya Newby as Joint Company Secretary, to work alongside current Company Secretary, Mr Stuart Usher¹².

Other Announcements

In addition to the activities highlighted in this report the following updates and information was reported to the market during the quarter:

14/08/24 - Results of General Meeting.

21/08/24 - Prospectus.

27/08/24 - Proposed Issue of Securities – TMS.

6/09/24 - Top 20 and Spread for New Options.

6/09/24 - Application for Quotation of Securities – TMS.

16/09/24 - Change of Director's Interest Notice x 3.



Company Presentations

During the quarter, CEO Vincent Algar presented in person at the Mining the Territory Conference in Darwin, Northern Territory¹³. He also presented at the following virtual events – Emerging Companies Copper Conference and the Mines and Money 5@5 On the Road to the International Mining and Resources Conference (IMARC).

Vincent Algar will also be presenting at IMARC in Sydney, Noosa Mining Conference in October and the Northern Territory Major Project Conference in November.

ABOUT THE BARKLY PROJECT AND THE BLUEBIRD COPPER-GOLD DISCOVERY

The Company's 100% owned Barkly Project, which includes the Company's greenfield Bluebird high-grade copper gold discovery is located on the eastern edge of the richly endowed Tennant Creek Mineral Field, which produced over 5.5Moz of gold and over 700kt of copper from 1934 to 2005³ (Figure 6).

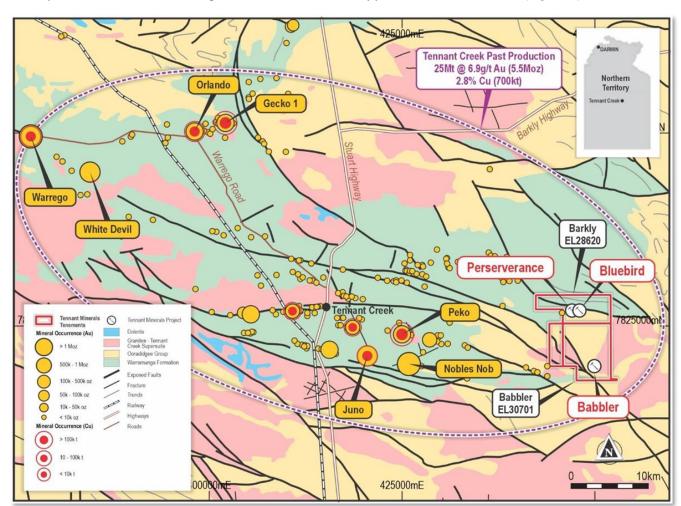


Figure 6. Location of the Barkly Project and major historical mines in the Tennant Creek Mineral Field.

The mineralisation intersected at Bluebird is typical of the high-grade copper-gold orebodies in the Tennant Creek Mineral Field. The high-grade mineralisation is associated with intense hematite alteration and brecciation with secondary malachite (copper-carbonate) in the upper parts as well as native copper, which transitions to primary sulphide mineralisation at depth e.g. chalcocite, bornite and chalcopyrite.

Drilling to date has identified high-grade copper-gold mineralisation at Bluebird over a 500m strike length and to over 250m depth. The new Bluebird East discovery has the potential to extend the footprint of the



mineralisation from near surface to over 400m depth and over a more than 800m strike-length. The mineralisation remains open to the East and West and at depth

The Company has the dual approach of defining the Mineral Resource potential of the Bluebird discovery while also testing other key targets in the Bluebird-Perseverance corridor and regionally, based on geochemistry, gravity, magnetics and IP resistivity survey modelling.

REFERENCES

- ¹28/10/2024. Tennant Minerals (ASX:TMS): "Strategic Copper and Gold Alliance for Tennant Creek"
- ² 20/09/2024. Tennant Minerals (ASX:TMS): "Thick High-Grade Gold and Copper Hits at Bluebird"
- ³ Portergeo.com.au/database/mineinfo. Tennant Creek-Gecko, Warrego, White Devil, Nobles Nob, Juno, Peko, Argo"
- 404/12/2023. Tennant Minerals (ASX.TMS): "Exceptional Copper and Gold Results at Bluebird Extension".
- ⁵19/07/2023. Tennant Minerals (ASX.TMS): "Drilling Doubles Strike Length of Bluebird Cu-Au Discovery".
- ⁶12/02/2024. Tennant Minerals (ASX.TMS): "Exceptional 61.8m 2.3% Copper Intersection at Bluebird".
- ⁷08/02/2023. Tennant Minerals (ASX.TMS): "Spectacular Bluebird Drill-Hit 30.5m @ 6.2% Cu, 6.8 g/t Au".
- ⁸ 17/08/2022. Tennant Minerals (ASX.TMS): "Bonanza 63m@2.1% Copper and 4.6 g/t Gold Intersection at Bluebird".
- ⁹07/03/2023. Tennant Minerals (ASX.TMS): "Bonanza Bluebird Gold Results Including 5.7m @ 49.3 g/t Au".
- ¹⁰ NTGS Report ID 1532559938 Meteoric Resources "MLC57-MLC217-224_2015_GA"
- ¹¹ 11/3/2024. Tennant Minerals (ASX:TMS):"New Drilling at Bluebird to Test Expanded 2.5km Copper-Gold Footprint"
- ¹² 28/08/2024. Tennant Minerals (ASX.TMS): "Appointment of Joint Company Secretary"
- ¹³ 19/09/24. Tennant Minerals (ASX:TMS): "Mining the Territory Presentation Bluebird Copper-Gold"

Authorised for release by the board of directors.

ENDS

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CAUTIONARY STATEMENT REGARDING FORWARD LOOKING INFORMATION

This release contains forward-looking statements concerning Tennant Minerals Ltd. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of, the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes.

Forward looking statements in this release are based on the company's beliefs, opinions and estimates of Tennant Minerals Ltd as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

COMPETENT PERSONS DECLARATION

The information in this report that relates to exploration results is based on information compiled and/or reviewed by Mr Chris Ramsay. Mr Ramsay is the General Manager of Geology at Tennant Minerals Ltd and a Fellow of the Australian Institute of Mining and Metallurgy ('FAusIMM'). Mr Ramsay has sufficient experience, including over 25 years' experience in exploration, resource evaluation, mine geology, and development studies, relevant to the style of mineralisation and type of deposits under consideration to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee ('JORC') Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Ramsay consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

ASX LISTING RULES COMPLIANCE

In preparing this announcement the Company has relied on the announcements previously made by the Company as listed under "References". The Company confirms that it is not aware of any new information or data that materially affects those announcements previously made, or that would materially affect the Company from relying on those announcements for the purpose of this announcement.

APPENDIX 1

Schedule of Tenements

Tenement ID	Туре	Status	Holder	Grant Date	Expiry Date*	Area (km²)	TMS Interest
EL28620	Exploration	Active	Colour Minerals Pty Ltd	16 Dec 11	15 Dec 25	39.16	100%
EL30701	Exploration	Active	Colour Minerals Pty Ltd	20 Aug 15	19 Aug 25	42.6	100%

APPENDIX 2

Final results for JUN-JUL Drilling Program at Bluebird²:

Hole ID	From (m)	To (m)	Interval (m)	Cu.EQ %	Cu (%)	Au (g/t)	Ag (g/t)	Bi (%)	Co (g/t)	Fe (%)	Cut-off Cu (%)
BBRC0028	105	108	3	1.1	0.52	0.27	0.4	0.18	110	19	0.3% Cu
BBRC0028	159	162	3	1.54	0.93	0.35	1.3	0.15	96	30	0.3% Cu



Hole ID	From (m)	To (m)	Interval (m)	Cu.EQ %	Cu (%)	Au (g/t)	Ag (g/t)	Bi (%)	Co (g/t)	Fe (%)	Cut-off Cu (%)
BBRC0028	174	182	8	0.68	0.58	0.06	0.7	0.01	86	17	0.3% Cu
BBRC0029	68	82	14	0.45	0.25	0.12	0.2	0.02	230	16	0.3% Cu
BBRC0030	144	161	17	0.91	0.64	0.09	0.5	0.12	14	25	0.3% Cu
BBRC0031	-	-	NSR	-	-	-	-	-	-	-	-
BBRC0032	-	-	NSR	-	-	-	-	-	-	-	-
BBRC0033	108	110	2	1.6	0.06	1.55	0.3	0.01	207	34	0.5g/t Au
BBRC0033	138	141	3	0.86	0.31	0.03	0.1	0.33	69	14	0.3% Cu
BBRC0034	146	174	28	2.1	1.56	0.50	2.4	0.02	165	24	0.3% Cu
Incl.	146	150	4	1.6	0.66	0.87	4.5	0.02	71	15	0.3% Cu
& incl.	158	174	16	3.2	2.48	0.62	2.7	0.02	151	27	1.0% Cu
Incl.	158	160	2	9.0	7.89	0.85	7.8	0.05	369	24	0.3% Cu
BBRC0035	160	168	8	0.73	0.36	0.31	0.2	0.02	112	13	0.5 g/t Au
BBRC0035	202	208	6	1.0	0.14	0.67	12.7	0.02	92	15	0.3% Cu
BBRC0036	-	-	NSR	-	-	-	-	-	-	-	-
BBRC0037	272	275	3	3.2	2.90	0.22	0.9	0.01	100	11	0.3% Cu
BBRC0038	199	207	8	0.85	0.77	0.01	0.5	0.03	16	28	0.3% Cu
BBRC0039	-	-	Abnd.	-	1	-	-	-	ı	-	-
BBRC0040	233	247	14	4.0	0.84	3.0	3.6	0.10	94	13	0.3% Cu
Incl.	233	238	5	10.6	2.0	8.3	9.8	0.27	179	23	1.0% Cu
Incl.	233	234	1	-	1.57	22.72	41.4	0.51	180	20	N/A
BBRC0041	342	345	3	4.0	3.71	0.19	3.4	0.03	85	9	0.3% Cu
BBRC0042	133	138	5	0.52	0.47	0.03	0.2	0.01	33	31	0.3% Cu
BBRC0043	-	-	NSR	-	-	-	-	-	-	-	-
BBRC0044	260	278	18	1.3	1.06	0.22	0.6	0.01	126	22	0.3% Cu
Incl.	260	268	8	2.7	2.12	0.48	1.1	0.02	176	26	0.3% Cu
BBRC0045	-	-	-	-	1	-	-	-	-	-	-
BBRC0046	156	197	41	0.57	0.44	0.08	1.0	0.02	107	11	0.3% Cu
Incl.	156	161	5	1.0	0.70	0.14	0.4	0.09	111	14	0.3% Cu
& incl.	173	176	3	1.5	1.11	0.25	2.5	0.03	131	13	0.3% Cu
& incl.	182	184	2	2.1	1.65	0.34	5.5	0.01	106	13	0.3% Cu
& incl.	192	197	5	1.3	1.18	0.08	0.9	0.02	193	17	0.3% Cu
BBRC0047	166	181	15	1.0	0.74	0.09	0.6	0.10	12	22	0.3% Cu
PVRC0002	285	299	14	0.08	0.06	-	-	0.0013	67	6	0.01% Cu
Incl.	291	295	4	0.16	0.14	-	-	0.0024	63	6	0.1% Cu
PVRC0002	311	315	4	0.09	0.08	-	-	0.0004	35	6	0.01% Cu
Incl.	311	312	1	0.20	0.18	0.01	0.1	0.0005	50	5	0.1% Cu

RC Drillhole details (JUN-JUL Drilling Program):

Hole #	Dip°	Az Grid°	GRID (m)	GRID_N (m)	RL (m)	Depth (m)
BBRC0028	-54	356	448,480	7,827,026	328.6	212
BBRC0029	-55	358	448,475	7,827,085	331.2	115
BBRC0030	-53	356	448,500	7,826,989	327.8	270
BBRC0031	-50	354	448,800	7,827,065	325.2	270
BBRC0032	-57	357	448,519	7,827,033	328.2	210
BBRC0033	-50	355	448,520	7,826,991	327.6	300
BBRC0034	-57	357	448,461	7,827,017	328.6	198
BBRC0035	-55	355	448,422	7,826,985	328.2	264



Hole #	Dip°	Az Grid°	GRID (m)	GRID_N (m)	RL (m)	Depth (m)
BBRC0036	-55	358	448,320	7,827,106	330.8	126
BBRC0037	-61	356	448,300	7,826,999	329.3	300
BBRC0038	-54	356	448,257	7,827,003	329.7	252
BBRC0039	-	-	448,260	7,826,979	329.2	66 (abnd).
BBRC0040	-56	352	448,260	7,826,980	329.2	258
BBRC0041	-56	353	448,262	7,826,932	328.4	380
BBRC0042	-55	356	448,299	7,827,062	330.3	200
BBRC0043	-70	165	448,370	7,827,225	331.2	330
BBRC0044	-61	353	448,234	7,826,970	329.3	288
BBRC0045	-59	352	447,901	7,827,020	332.8	400
BBRC0046	-54	354	448,461	7,826,994	328.5	280
BBRC0047	-55	354	448,499	7,826,969	327.8	320
BBRC0048	-57	352	448,053	7,827,036	331.3	402
BBRC0049	-60	353	447,740	7,826,990	332.9	400
PVRC0002	-58	353	447,279	7,826,926	330.4	400
			·	<u> </u>		6,253



APPENDIX 3

Copper Equivalent Calculation

The conversion to equivalent copper (CuEq) grade must take into account the expected plant recovery/payability and sales price of each commodity in the calculation.

Approximate recoveries/payabilities are based on comparable deposits previously mined in the Tennant Creek mineral field, which are similar to the Bluebird discovery in terms of mineralogy.

Metallurgical work completed by the Company (see ASX:TMS announcement, 20 May 2024, "High 29.6% Cu, 3.96g/t Au Concentrate Grades at Bluebird") supports the above conclusion and, based on this work, it is the Company's opinion that all the elements included in the metal equivalents calculation have a reasonable potential to be recovered and sold.

The predominant metal in terms of value (based on grade of intersections and recovery estimates) in the deposit is copper. Gold can represent a higher value in certain drilling intersections, however copper has been chosen for reporting on an equivalent basis as it is the one that contributes most to the metal equivalent calculation overall.

The prices used in the calculation are based on current (15/09/24) market for Cu, Au, Ag sourced from the website kitcometals.com whilst estimates for Bi and Co are from other sources for current Bi and Co price.

The table below shows the grades, process recoveries and factors used in the conversion of the poly metallic assay information into an equivalent Copper Equivalent (CuEq) grade percent.

Metal	Average grade (g/t)	Average grade (%)		Metal Prices			Factor	Factored Grade (CuEq%)
			\$/oz	\$/lb	\$/t			
Cu	-	0.52	\$0.26	\$4.21	\$9,308	0.8	1.00	0.524
Au	0.27	-	\$2,579	\$41,264	\$90,945,856	0.8	0.98	0.263
Ag	0.40	-	\$30.8	\$493	\$1,086,131	0.8	0.012	0.000
Bi	-	0.18	\$0.41	\$6.50	\$14,326	0.8	1.54	0.280
Со	110	0	\$0.69	\$11.03	\$24,300	0.8	0.0003	0.029
							CuEq%	1.10

APPENDIX 4

JORC 2012 Table 1

JORC 2012 Edition - Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (e.g., 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.	Exploration results are based on industry best practices, for key processes including sampling, assay methods, and appropriate quality assurance quality control (QAQC) measures. Reverse Circulation (RC), 2024 program: RC drill chips were collected at 1m intervals via a cone splitter in pre-numbered calico bags. The quantity of sample was monitored by the geologist during drilling.



Criteria	JORC Code explanation	Commentary
	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 (e.g., '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 (e.g., submarine nodules) may warrant disclosure of detailed information.	RC samples of between 3-4kg were sent to the laboratory where they were pulverised to at least 85% passing 75 microns. The pulp sample is then split to produce a sample for analysis. Composite samples (4m) were taken outside expected mineralised zones while 1 metre samples were taken through expected mineralised zones.
Drilling techniques	Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, facesampling bit, or other type, whether core is oriented and if so, by what method, etc).	Holes were drilled from -53 to -75 degrees. RC drilling (2024) was conducted using a 5 ¹ / ₄ " face sampling hammer.
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.	RC sample recovery is monitored by the field geologist. Low sample recoveries are recorded on the drill log. The geologist is present during drilling to monitor the sample recovery process. There were no significant sample recovery issues encountered during the drilling program.
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. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged.	All logging is completed according to industry best practice. RC chips are logged at 1m intervals using a representative sample of the drill chips. Logging records include lithology, alteration, mineralisation, colour and structure.
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	For all sample types, the nature, quality and appropriateness of the sample preparation technique is considered adequate as per industry best practice. RC samples of 3-4kg are collected at 1m through expected mineralised intervals and by composite sampling over 4 meter intervals otherwise, using a



Criteria	JORC Code explanation	Commentary
	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.	cone splitter. The sample size is appropriate for the style of mineralisation and the grain size of the material being sampled. RC samples are dried at the laboratory and then pulverised to at least 85% passing 75 microns.
Quality of	The nature, quality and appropriateness	All samples were submitted to the Intertek
assay data and	of the assaying and laboratory procedures used and whether the	Laboratories sample preparation facility in Perth Australia for analysis.
laboratory	technique is considered partial or total.	Pulp sample(s) were digested with a mixture of
tests	For geophysical tools, spectrometers,	four Acids including Hydrofluoric, Nitric,
	handheld XRF instruments, etc, the parameters used in determining the	Hydrochloric and Perchloric Acids for a total digest. Analysis of 2024 RC drilling; Cu, Pb, Ag, Bi, Co Ni, Sb
	analysis including instrument make and	have been determined by Inductively Coupled
	model, reading times, calibrations	Plasma (ICP) Mass Spectrometry (MS-OES).
	factors applied and their derivation, etc. Nature of quality control procedures	Gold was analysed by Fire Assay with a 25g charge and an ICP-MS finish with a 5ppb Au detection
	adopted (e.g., standards, blanks,	limit.
	duplicates, external laboratory checks)	A Field Standard, Duplicate or Blank is inserted
	and whether acceptable levels of accuracy (i.e., lack of bias) and precision	every 25 samples. The Laboratory inserts its own standards and blanks at random intervals, but
	have been established.	several are inserted per batch regardless of the
		size of the batch.
Verification of sampling and	The verification of significant	All significant intercepts are reviewed and
assaying	intersections by either independent or alternative company personnel.	confirmed by at least two senior personnel before release to the market.
, ,	The use of twinned holes.	No adjustments are made to the raw assay data.
	Documentation of primary data, data	Data is imported directly to DataShed in raw
	entry procedures, data verification, data storage (physical and electronic)	original format. All data are validated using the QAQCR validation
	protocols.	tool with DataShed. Visual validations are then
	Discuss any adjustment to assay data.	carried out by senior staff members.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole	All drill hole collars were located with a hand-held GPS with an accuracy of +/-5m. At the completion
data points	surveys), trenches, mine workings and	of the drilling program all holes were surveyed by
	other locations used in Mineral Resource	DGPS.
	estimation.	Downhole surveys were taken at minimum 30m
	Specification of the grid system used. Quality and adequacy of topographic	intervals using a solid state gyro to maintain strong control of drill direction.
	control.	Survey co-ordinates: GDA94 MGA Zone 53.
Data spacing	Data spacing for reporting of Exploration	Data spacing and distribution used to determine
and	Results.	geological continuity is dependent on the deposit
distribution	Whether the data spacing, and	type and style under consideration. Where a mineral resource is estimated, the appropriate
	distribution is sufficient to establish the degree of geological and grade	data spacing, and density is decided and reported
	continuity appropriate for the Mineral	by the competent person.
	Resource and Ore Reserve estimation	For mineral resource estimations, grades are
	procedure(s) and classifications applied. Whether sample compositing has been	estimated on composited assay data. The composite length is chosen based on the statistical
	applied.	average, usually 1m. Sample compositing is never



Criteria	JORC Code explanation	Commentary
		applied to drilling interval calculations reported to market. A sample length weighted interval is calculated as per industry best practice.
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.	Orientation of sampling is as unbiased as possible based on the dominating mineralised structures and interpretation of the deposit geometry. If structure and geometry is not well understood, sampling is orientated to be perpendicular to the general strike of stratigraphy and/or regional structure.
Sample security Audits or reviews	The measures taken to ensure sample security. The results of any audits/review of sampling techniques or data.	All samples remain in the custody of company geologists and are fully supervised from point of field collection to laboratory drop-off. None yet undertaken for this dataset

JORC 2012 Edition - 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. 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 Company holds 100% of two contiguous Exploration Licences, EL 28620 and EL30701 located east of Tennant Creek. All tenure is in good standing at the time of reporting. There are no known impediments with respect to obtaining a licence to operate in the area.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Several other parties have undertaken exploration in the area between the 1930s through to the present day including Posgold, Meteoric Resources and Blaze Resources.
Geology	Deposit type, geological setting and style of mineralisation.	The Barkly Project covers sediments of the Lower Proterozoic Warramunga Group that hosts all of the copper-gold mines and prospects in the Tennant Creek region. At the Bluebird prospect copper-gold mineralisation is hosted by an ironstone unit within a west-northwest striking fault. The ironstone cross-cuts the sedimentary sequence that mostly comprises of siltstone.
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	Drill hole details are provided in this report.



Criteria	JORC Code explanation	Commentary
	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.	
Data aggregation methods	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. 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. The assumptions used for any reporting of metal equivalent values should be clearly stated.	All exploration results are reported by a length weighted average. This ensures that short lengths of high-grade material receive less weighting than longer lengths of low-grade material. No high-grade cut-offs are applied.
Relationship between mineralisatio n 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').	Mineralisation at Bluebird is interpreted to be striking east-west true azimuth with a dip of 70-80 degrees towards 180 degrees true azimuth. All holes are drilled as perpendicular as practical to the orientation of the mineralised unit and structure. Intersection lengths are interpreted to be close to true thickness.
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.	Refer to Figures in this report for plan and cross sectional projections of Bluebird with drillhole information. Figure 1 is a 3-d perspective longitudinal view showing a mineralisation model, key intersections and potential projections. Figure 3 is a cross-section with recent drilling data and an interpretation of the mineralisation. Figure 3 is a plan projection of the gravity/ironstone model and drillhole locations. Figure 3 is an appropriate cross section though the Bluebird mineralisation. Figure 4 is an regional project map for reference for the Alliance recently announced. Figure 5 is a map focused on the Bluebird-Perseverance corridor showing surface information over an gravity anomaly image. Figure 6 is a regional location plan of the Barkly and Babbler Project tenements and the Bluebird prospect.
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	All background information is discussed in the announcement. Full drill results for copper and gold assays for drilling previous to 2021 are shown in Appendix 1 of the ASX announcement of 18 March 2020,



Criteria	JORC Code explanation	Commentary
	of Exploration Results.	"High-Grade Copper and Gold Intersected in Drilling program at Bluebird".
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.	No other new material exploration in this report. Refer to Tennant Minerals (ASX. TMS) release of 25/08/2022: "Standout Geophysical Targets to Replicate Bluebird Cu-Au Discovery" for details of the IP/resistivity survey specifications.
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). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Additional drilling is planned to define and extend the mineralisation. Resource definition drilling will then be planned. Regional targets identified using modelling of gravity and a drone magnetic survey data as well as detailed IP resistivity survey data will also be drill tested during the up-coming drilling program.

Rule 5.5

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

TENNANT MINERALS LIMITED (ASX: TMS)			
ABN	Quarter ended (Current quarter)		
25 086 471 007	30 September 2024		

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 Months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for:	-	-
	(a) exploration and evaluation (if expensed)	(1,007)	(1,007)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(30)	(30)
	(e) administration and corporate costs	(132)	(132)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	12	12
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other: (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(1,157)	(1,157)
2.	Cash flows from investing activities		
2.1	Payments to acquire:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation (if capitalised)	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-
2.2	Proceeds from disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material):	-	-
2.6	Net cash from / (used in) investing activities	-	-

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Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 Months) \$A'000
		3A 000	\$A 000
3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	-	-
4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	4,470	4,470
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,157)	(1,157)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	3,313	3,313

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	3,313	4,470
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	3,313	4,470

6.	Payments to related parties of the entity and their associates	
6.1	Aggregate amount of payments to related parties and their associates included in item 1	30
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 and 6.2 your quarterly activity report must include a description of, and an explanation for, such payments

Directors' salary, fees, superannuation, consultancy, and reimbursements.

7.	Financing facilities Note: the term "facility' includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-

7.5 Unused financing facilities available at quarter end

7.6 Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.

N/A, none.

8.	Estimated cash available for future operating activities	\$A′000
8.1	Net cash from / (used in) operating activities (Item 1.9)	(1,157)
8.2	Capitalised exploration & evaluation (Item 2.1(d))	-
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	(1,157)
8.4	Cash and cash equivalents at quarter end (Item 4.6)	3,313
8.5	Unused finance facilities available at quarter end (Item 7.5)	-
8.6	Total available funding (Item 8.4 + Item 8.5)	3,313
8.7	Estimated quarters of funding available (Item 8.6 divided by Item 8.3)	2.9

Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.

- 8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:
 - 1. Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer:

N/A

2. Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer:

N/A

3. Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer:

N	/Δ	

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: October 30, 2024

Authorised by: By the Board of Directors

(Name of body or officer authorising release – see note 4)

Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- 2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee e.g. Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's Corporate Governance Principles and Recommendations, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.