
ASX RELEASE
30 JULY 2024

# QUARTERLY ACTIVITIES REPORT JUNE 2024

## HIGHLIGHTS

- Completion of 17 hole Phase 2 RC (5,534m) and deep diamond hole MTD029 (EIS3) (1,722m) at Mulga Tank Ni-Co-Cu-PGE Project
- Phase 2 RC assay results received with all holes showing broad zones of nickel sulphide mineralisation including multiple holes with ~200m intersections within the top ~300m:

MTRC024 199m at 0.31% Ni, 148ppm Co, 76ppm Cu, 23ppb Pt+Pd from 161m with S:Ni 1.1

MTRC034 240m at 0.30% Ni, 133ppm Co, 133ppm Cu, 36ppb Pt+Pd from 90m with S:Ni 1.0

MTRC038 199m at 0.31% Ni, 139ppm Co, 260ppm Cu, 27ppb Pt+Pd from 119m with S:Ni 1.3

- Multiple zones of higher grade matrix to semi-massive sulphide encountered in RC drilling:

MTRC018 1m at 1.84% Ni, 0.10% Co, 4.88% Cu, 26ppb Pt+Pd from 293m

MTRC024 3m at 2.19% Ni, 777ppm Co, 597ppm Cu, 9ppb Pt+Pd from 253m
inc. 1m at 4.51% Ni, 0.16% Co, 0.14% Cu, 16ppb Pt+Pd from 253m

MTRC032 6m at 1.01% Ni, 443ppm Co, 0.32% Cu, 0.12g/t Pt+Pd from 254m

MTRC038 2m at 1.51% Ni, 539ppm Co, 0.72% Cu, 94ppb Pt+Pd from 135m
1m at 3.16% Ni, 662ppm Co, 385ppm Cu, 0.18g/t Pt+Pd from 192m

- First assay results received for top 600m of diamond hole MTD029 (EIS3) showing continuous mineralisation over ~500m:

MTD029 494m at 0.29% Ni, 135ppm Co, 74ppm Cu, 20ppb Pt+Pd from 108m with S:Ni 1.0

- WMG continues to de-risk a potentially globally significant, large-scale, open-pitable nickel sulphide deposit at Mulga Tank
- WMG successfully won two further EIS awards totalling $318,000 to drill Mulga Tank
- Capital raise of $1,537,000 during the period to progress exploration at Mulga Tank - welcoming international mining investor Dundee Corporation as a significant new shareholder

Western Mines Group Ltd (WMG or Company) (**ASX:WMG**) is pleased to provide shareholders with the following Quarterly Activities Report, and accompanying Appendix 5B, for what has been another extremely productive quarter for the Company.

WMG's focus for the period was the flagship Mulga Tank Ni-Cu-PGE Project where results continue to validate the discovery of a major nickel sulphide mineral system.

At the beginning of the quarter the Company announced the completed the 17 hole, 5,534m Phase 2 reverse circulation (RC) drilling program (*ASX, Completion of Phase 2 RC Drilling Commencement of EIS3, 8 April 2024)*. The Phase 2 RC drilling was focused on infilling the higher grade core of the Mulga Tank Exploration Target (*ASX, Mulga Tank JORC Exploration Target, 5 February 2024*) and extending the shallow mineralisation to the south of the Phase 1 area.

Final assay results for the Phase 2 program were received during the period, with extensive intervals of nickel sulphide mineralisation observed in all of the holes. A number of the holes returned broad intersections of mineralisation over greater than 200m length including:

| | |
|---|---|
| **MTRC024** | **199m at 0.31% Ni, 148ppm Co, 76ppm Cu, 23ppb Pt+Pd from 161m S:Ni 1.1*** |
| **MTRC026** | **226m at 0.28% Ni, 125ppm Co, 62ppm Cu, 15ppb Pt+Pd from 86m S:Ni 0.7** |
| **MTRC031** | **210m at 0.28% Ni, 137ppm Co, 104ppm Cu, 24ppb Pt+Pd from 87m S:Ni 1.2** |
| **MTRC032** | **198m at 0.28% Ni, 145ppm Co, 249ppm Cu, 28ppb Pt+Pd from 108m S:Ni 1.6*** |
| **MTRC034** | **240m at 0.30% Ni, 133ppm Co, 133ppm Cu, 36ppb Pt+Pd from 90m S:Ni 1.0*** |
| **MTRC038** | **199m at 0.31% Ni, 139ppm Co, 260ppm Cu, 27ppb Pt+Pd from 119m S:Ni 1.3*** |

* *Ending in mineralisation*

Broad intersections of visible disseminated nickel sulphide mineralisation, grading up to semi-massive in some intersections, were observed and logged in the Phase 2 RC program (*ASX, Semi-Massive Sulphide in Mulga Tank Phase 2 RC Holes, 29 February 2024*). These observations were confirmed by assay results with a number of the holes returning higher grade assay results between 1% to 4.5% Ni. Relatively shallow higher grade results within the central core area of the Mulga Tank Complex include:

| | |
|---|---|
| **MTRC015** | **1m at 1.11% Ni, 379ppm Co, 0.45% Cu, 62ppb Pt+Pd from 172m** |
| | **3m at 1.32% Ni, 516ppm Co, 0.10% Cu, 34ppb Pt+Pd from 184m** |
| | **2m at 1.71% Ni, 836ppm Co, 0.10% Cu, 0.4g/t Pt+Pd from 229m** |
| **MTRC018** | **1m at 1.84% Ni, 0.10% Co, 4.88% Cu, 26ppb Pt+Pd from 293m** |
| **MTRC024** | **1m at 1.28% Ni, 890ppm Co, 427ppm Cu, 37ppb Pt+Pd from 202m** |
| | **3m at 2.19% Ni, 777ppm Co, 597ppm Cu, 9ppb Pt+Pd from 253m** |
| | inc. **1m at 4.51% Ni, 0.16% Co, 0.14% Cu, 16ppb Pt+Pd from 253m** |
| **MTRC032** | **1m at 1.08% Ni, 602ppm Co, 379ppm Cu, 83ppb Pt+Pd from 131m** |
| | **6m at 1.01% Ni, 443ppm Co, 0.32% Cu, 0.12g/t Pt+Pd from 254m** |
| **MTRC038** | **2m at 1.51% Ni, 539ppm Co, 0.72% Cu, 94ppb Pt+Pd from 135m** |
| | **1m at 3.16% Ni, 662ppm Co, 385ppm Cu, 0.18g/t Pt+Pd from 192m** |

Following the Phase 2 RC program the Company recommenced diamond drilling at the project with EIS co-funded deep diamond hole MTD029 (EIS3) (*ASX, Completion of Phase 2 RC Drilling Commencement of EIS3, 8 April 2024; WMG Wins $220,000 EIS Award to Drill Mulga Tank, 19 October 2023*).

MTD029 (EIS3) was completed during the period and drilled to a total depth of 1,722m. The hole showed 860m of visible disseminated sulphide mineralisation along with numerous intersections of high-grade sulphide veinlets and large sulphide segregations - **strong evidence for the system to host a massive sulphide component**.

In April, the Company received notification of the award of two more WA Government Exploration Incentive Scheme (EIS) grants, totalling $318,000, to co-fund further drilling at the Mulga Tank Project (*ASX, WMG Wins Two More EIS Awards to Drill Mulga Tank, 29 April 2024*). In June, the Company successfully completed a capital raise of $1,537,000 (before costs) through the issue of 4,803,125 new fully paid ordinary shares at an issue price of $0.32 per share in order to support ongoing exploration at Mulga Tank (*ASX, Capital Raise to International Mining Fund, 24 June 2024*).

## PROJECT OVERVIEW

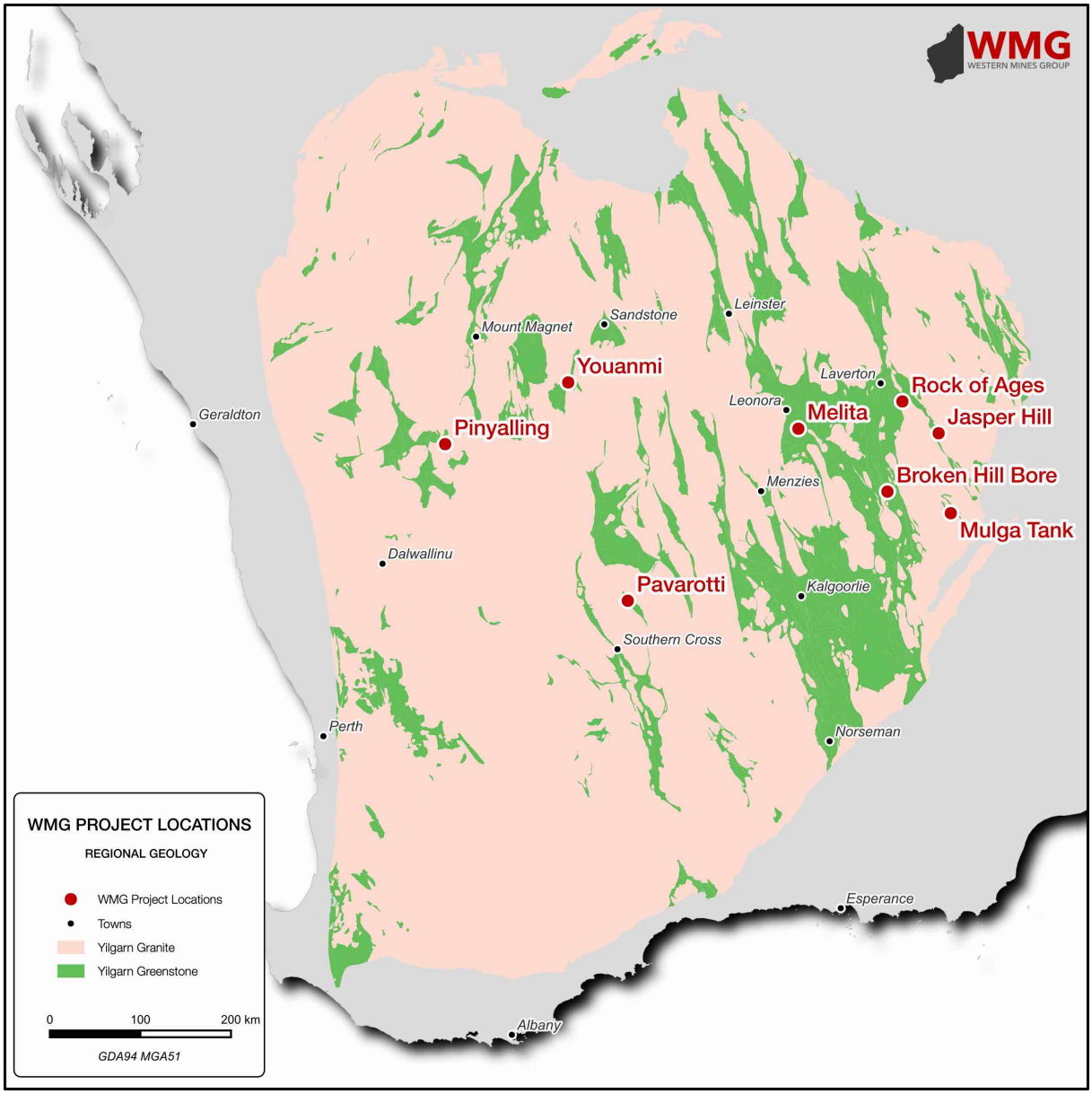


**Figure 1: Map of WMG project locations**

## MULGA TANK

The Mulga Tank Project comprises exploration licences E39/2132, E39/2134 and E39/2223 and exploration licence application E39/2299, covering the Minigwal Greenstone Belt, 190km east-northeast of Kalgoorlie. The Minigwal Greenstone Belt is a NNW trending linear sequence of predominantly mafic and ultramafic lithologies; it is very under explored due to the presence of shallow sand cover and presents a "frontier" exploration opportunity for major Ni-Cu-PGE and orogenic gold deposits.

Exploration results from the Company's various drilling programs at the Mulga Tank Project over the last 12 months have demonstrated significant nickel sulphide mineralisation and an extensive nickel sulphide mineral system within the Mulga Tank Ultramafic Complex.

WMG completed the 17 hole 5,534m Phase 2 RC drilling program and EIS deep diamond hole MTD029 (EIS3) during the quarter (*ASX, Completion of Phase 2 RC Drilling Commencement of EIS3, 8 April 2024; High-Grade Sulphide Segregations at Depth in MTD029 (EIS3), 29 May 2024*). This two pronged approach uses RC to infill and prove up the extent of shallow disseminated nickel sulphide mineralisation, defined by the Company's JORC Exploration Target modelling (*ASX, Mulga Tank JORC Exploration Target, 5 February 2024*), whilst the diamond drilling program continues to test deeper targets. Further drill holes will continue to be added to these programs, with ongoing targeting work, as the Company systematically explores the Mulga Tank Ultramafic Complex (*ASX, Exploration Activities Recommence at Mulga Tank, 4 July 2024*).

### *RC DRILLING PROGRAMS*

At the end of 2023 the Company completed a 22 hole reverse circulation (RC) drilling program. This was the first drilling designed to systematically test the lateral continuity of the shallow, uppermost zone of disseminated nickel sulphide mineralisation within the main body of the Mulga Tank Ultramafic Complex (*ASX, RC Drilling Program Commences at Mulga Tank, 20 September 2023; RC Drilling Expansion and Drilling for Equity, 17 October 2023; Completion of 7000m RC Drilling Program at Mulga Tank, 7 November 2023*).

Modelling of the Phase 1 RC results identified a significant shallow mineralised zone, which has been reported as an Exploration Target, in according with JORC 2012 (*ASX, Mulga Tank JORC Exploration Target, 5 February 2024*). The Company's internal modelling work was reviewed by independent consultants CSA Global. The Exploration Target with an estimated range of potential mineralisation is:

**350 to 2,200 million tonnes grading 0.24% to 0.35% Ni, 120 to 150ppm Co with S:Ni 1.1 to 1.3**

During the quarter the Company announced the completion of a further 17 hole, 5,534m Phase 2 RC program predominantly focused on infilling the higher grade core area identified by the Company's Exploration Target modelling (*ASX, 2024 Exploration Programs Commence at Mulga Tank, 29 January 2024; Completion of Phase 2 RC Drilling Commencement of EIS3, 8 April 2024*). The RC holes were planned around Phase 1 holes MTRC015 to MTRC018 in the centre of the main body of the Complex, in particular around MTRC016 that returned 200m at 0.31% Ni (including 35m at 0.45% Ni) from 103m.

The drill hole spacing in this central area was reduced to approximately 200m x 200m (from the initial 500m x 300m spacing of the Phase 1 program) covering an area of around 800m x 900m. Each hole was designed to a target depth of 300-350m, which was achieved in all holes, for a total of 5,534m - of which the top ~60m of each hole, or 1,064m in total, was mud-rotary drilling through the sand cover.

Visible sulphide mineralisation was observed in the Phase 2 RC holes (*ASX, Semi-Massive Sulphide in Mulga Tank Phase 2 RC Holes, 29 February 2024*). All holes were sampled at 1m intervals from the start of RC drilling (i.e. base of mud rotary) with a total of 4,470 samples delivered to the ALS laboratory in Perth for geochemical assay. Final assay results for the Phase 2 RC holes were received during the quarter (*ASX, MTRC024 Assays - Matrix-Massive Sulphide over 4.5% Ni; Further RC Results with 200m Zones of Mineralisation, 28 March 2024; MTRC032 Assays Matrix Sulphide 6m at 1.01% Ni 0.32% Cu, 10 April 2024; MTRC038 Assay Results up to 3.16% Ni and 1.20% Cu, 16 April 2024; All Phase 2 RC Holes Show Broad Sulphide Mineralisation, 14 May 2024*).

Zones of mineralisation were generally defined by a combination of the various geochemical indicators and cut-off grades (Ni >0.16%, Cu >20ppm, Pt+Pd >20ppb, S >0.1% and S:Ni >0.5), with only minimal inclusion of unmineralised material below mineable width.

A summary of the Phase 2 RC assay results are listed below:

| | | |
|---|---|---|
| **MTRC023** | **Cumulative** | **115m at 0.28% Ni, 133ppm Co, 51ppm Cu, 27ppb Pt+Pd with S:Ni 0.9** |
| **MTRC024** | | **199m at 0.31% Ni, 148ppm Co, 76ppm Cu, 23ppb Pt+Pd from 161m S:Ni 1.1*** |
| **MTRC025** | **Cumulative** | **239m at 0.28% Ni, 139ppm Co, 72ppm Cu, 19ppb Pt+Pd with S:Ni 1.2*** |
| **MTRC026** | | **226m at 0.28% Ni, 125ppm Co, 62ppm Cu, 15ppb Pt+Pd from 86m S:Ni 0.7** |
| **MTRC027** | **Cumulative** | **193m at 0.26% Ni, 124ppm Co, 78ppm Cu, 22ppb Pt+Pd with S:Ni 1.0*** |
| **MTRC028** | **Cumulative** | **152m at 0.30% Ni, 134ppm Co, 109ppm Cu, 20ppb Pt+Pd with S:Ni 0.9** |
| **MTRC029** | **Cumulative** | **138m at 0.25% Ni, 113ppm Co, 32ppm Cu, 6ppb Pt+Pd with S:Ni 0.6*** |
| **MTRC030** | **Cumulative** | **179m at 0.28% Ni, 126ppm Co, 41ppm Cu, 10ppb Pt+Pd with S:Ni 0.7*** |
| **MTRC031** | | **210m at 0.28% Ni, 137ppm Co, 104ppm Cu, 24ppb Pt+Pd from 87m S:Ni 1.2** |
| **MTRC032** | | **198m at 0.28% Ni, 145ppm Co, 249ppm Cu, 28ppb Pt+Pd from 108m S:Ni 1.6*** |
| **MTRC033** | **Cumulative** | **184m at 0.27% Ni, 126ppm Co, 82ppm Cu, 18ppb Pt+Pd with S:Ni 0.9*** |
| **MTRC034** | | **240m at 0.30% Ni, 133ppm Co, 133ppm Cu, 36ppb Pt+Pd from 90m S:Ni 1.0*** |
| **MTRC035** | | **220m at 0.28% Ni, 124ppm Co, 63ppm Cu, 25ppb Pt+Pd from 82m S:Ni 0.7** |
| **MTRC036** | | **182m at 0.27% Ni, 134ppm Co, 63ppm Cu, 27ppb Pt+Pd from 102m S:Ni 1.0** |
| **MTRC037** | | **224m at 0.29% Ni, 139ppm Co, 208ppm Cu, 25ppb Pt+Pd from 91m S:Ni 1.0** |
| **MTRC038** | | **199m at 0.31% Ni, 139ppm Co, 260ppm Cu, 27ppb Pt+Pd from 119m S:Ni 1.3*** |
| **MTRC039** | **Cumulative** | **165m at 0.28% Ni, 125ppm Co, 73ppm Cu, 15ppb Pt+Pd with S:Ni 0.7** |

* *Ending in mineralisation*

Broad intersections of visible disseminated nickel sulphide mineralisation, grading up to semi-massive in some intersections, were observed and logged in the Phase 2 RC program (*ASX, Semi-Massive Sulphide in Mulga Tank Phase 2 RC Holes, 29 February 2024*). These observations were confirmed by assay results with a number of the holes returning higher grade assay results between 1% to 4.5% Ni. Relatively shallow higher grade results within the central core area of the Mulga Tank Complex include:

| | |
|---|---|
| **MTRC015** | **1m at 1.11% Ni, 379ppm Co, 0.45% Cu, 62ppb Pt+Pd from 172m** |
| | **3m at 1.32% Ni, 516ppm Co, 0.10% Cu, 34ppb Pt+Pd from 184m** |
| | **2m at 1.71% Ni, 836ppm Co, 0.10% Cu, 0.4g/t Pt+Pd from 229m** |
| **MTRC018** | **1m at 1.84% Ni, 0.10% Co, 4.88% Cu, 26ppb Pt+Pd from 293m** |

| | |
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| MTRC024 | 1m at 1.28% Ni, 890ppm Co, 427ppm Cu, 37ppb Pt+Pd from 202m |
| | 3m at 2.19% Ni, 777ppm Co, 597ppm Cu, 9ppb Pt+Pd from 253m |
| | inc. 1m at 4.51% Ni, 0.16% Co, 0.14% Cu, 16ppb Pt+Pd from 253m |
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| | 6m at 1.01% Ni, 443ppm Co, 0.32% Cu, 0.12g/t Pt+Pd from 254m |
| MTRC038 | 2m at 1.51% Ni, 539ppm Co, 0.72% Cu, 94ppb Pt+Pd from 135m |
| | 1m at 3.16% Ni, 662ppm Co, 385ppm Cu, 0.18g/t Pt+Pd from 192m |

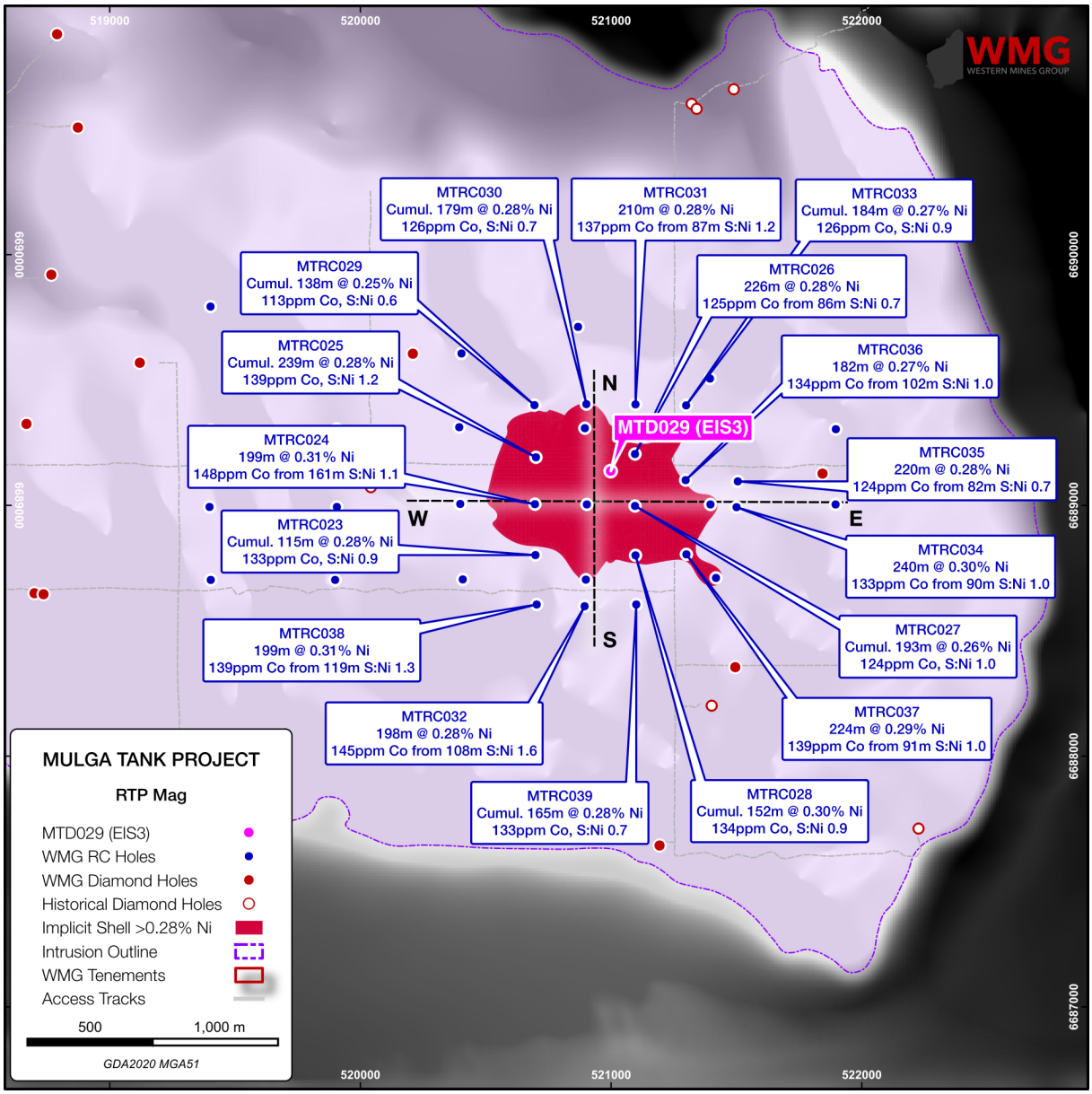


Figure 2: Phase 2 assay results for shallow disseminated nickel sulphide mineralisation around the core area

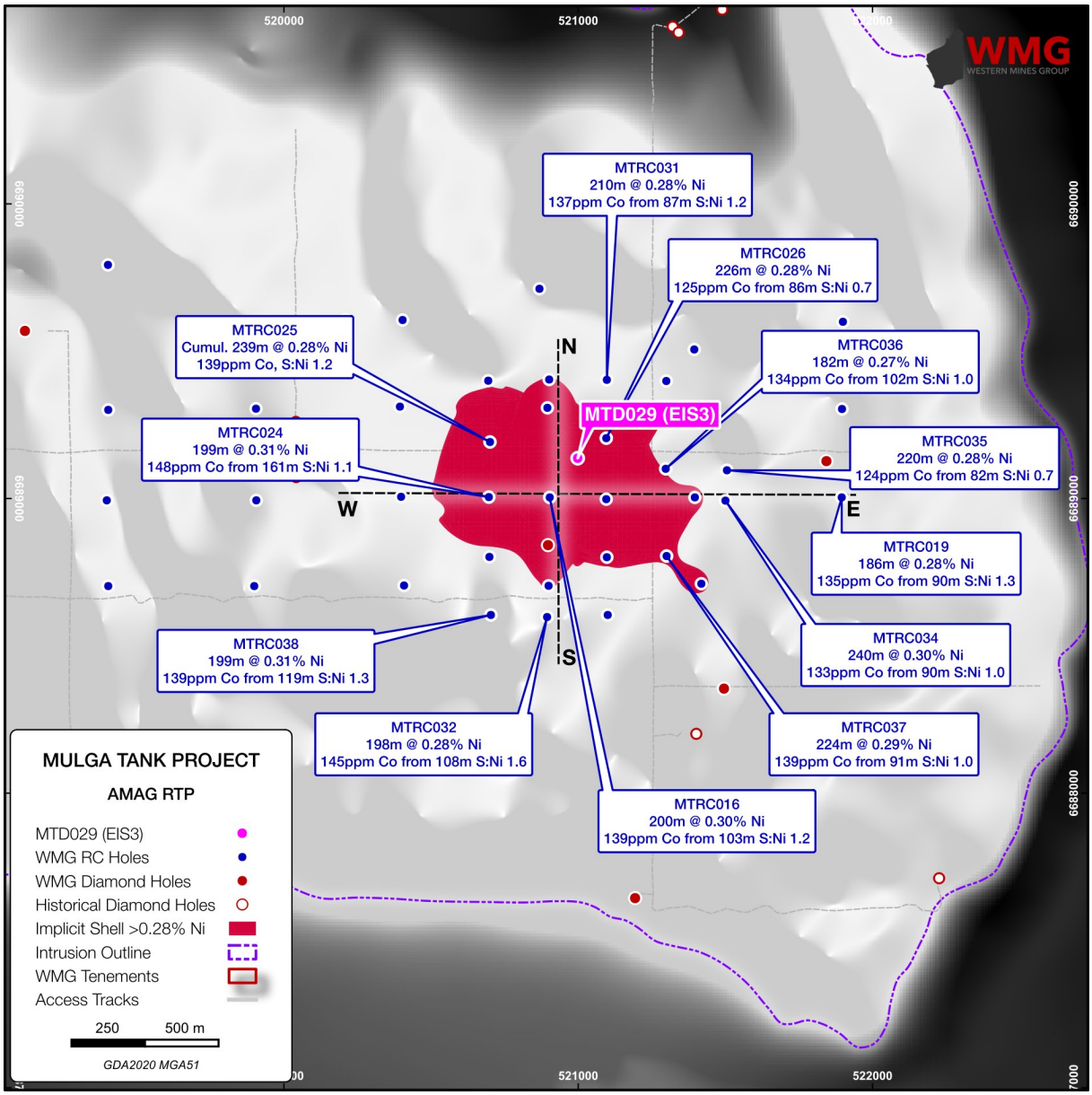


**Figure 3: Mineralised RC Intersections of ~200m within the core of the Mulga Tank Ultramafic Complex**

### *DIAMOND DRILLING*

Hole MTD029 (EIS3) was drilled during the period and is located in the centre of the Mulga Tank Complex between RC holes MTRC015 and MTRC016 and previous diamond holes MTD023 (EIS1), MTD026 (EIS2) and MTD027. The hole was positioned for multiple purposes, infilling the RC drilling program at this location and looking to test a conductive MobileMT anomaly around -700m RL, near the basal contact and for a sulphide enriched keel in the deepest part of the Complex.

The hole was drilled to a total depth of 1,722m, the deepest hole drilled at the project, and intersected ~1,600m of variably serpentinised and talc-carbonate altered high MgO meso-adcumulate dunite ultramafic (66-1,658.2m), beneath 66m of sand cover (0-66m), before encountering a footwall of basalt and silicified shales at 1,658.2m depth (1,658.2-1,722m).

Disseminated magmatic sulphides (trace to 2%) were observed at numerous intervals down the hole, cumulatively over more than 860m. In a number of places the disseminated sulphides coalesce into interstitial blebs (3 to 5% sulphide) between former olivine crystals. Corresponding pXRF readings of Ni, with elevated Cu and S, along with mineralogical thin section analysis, support the likelihood of this being disseminated magmatic nickel sulphide mineralisation.

Multiple intersections of high-tenor remobilised nickel sulphide veinlets as well as large immiscible sulphide segregations were observed down the hole, confirmed by spot pXRF readings up to 57.3% Ni. These sulphide veinlets and segregations clearly demonstrate all the conditions and processes are present to form basal massive sulphide accumulations within the Mulga Tank Complex, with the most frequent and 'active' zones encountered to date seen within hole MTD029 (EIS3).

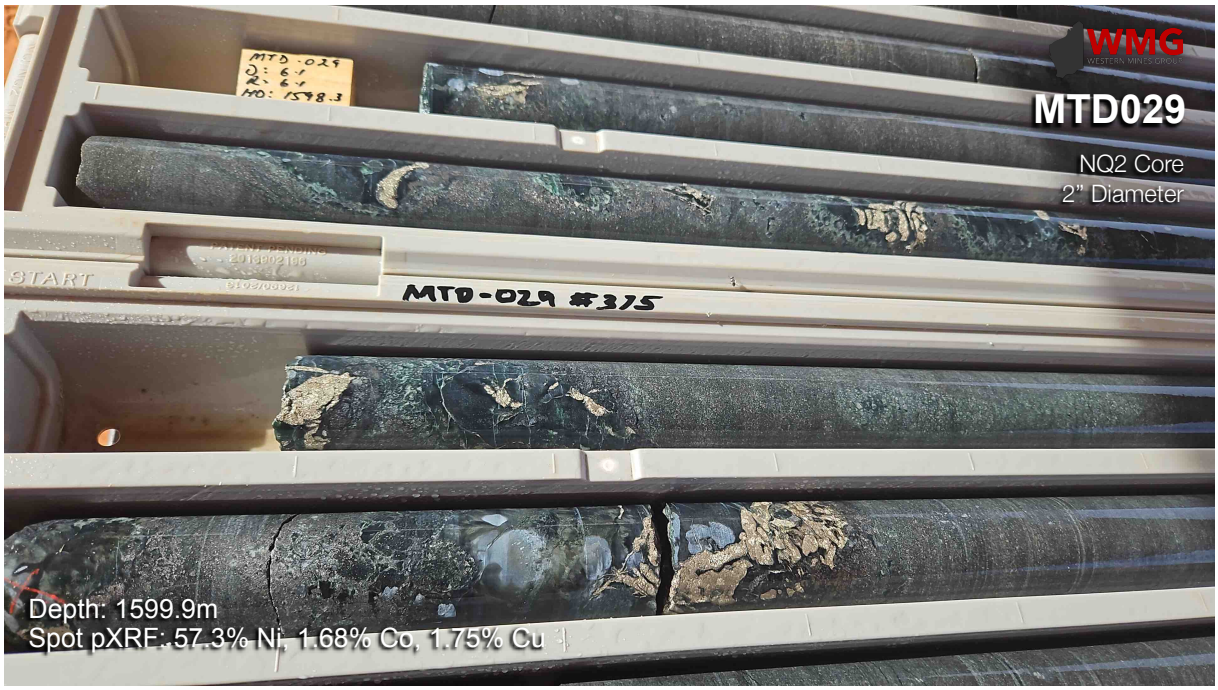


**Figure 4: Photo showing examples of large sulphide segregations in hole MTD029 (EIS3)**
*Note: core is NQ2 being 2 inches or 50mm diameter*

Initial assay results for the top ~600m of the hole were received during the quarter with near continuous mineralisation observed down the hole. This were generally defined by a combination of the various geochemical indicators and cut-off grades (Ni >0.16%, Cu >20ppm, Pt+Pd >20ppb, S:Ni >0.5), with only minimal inclusion of unmineralised material below mineable width. The broad mineralised intersection was defined as:

**MTD029** **494m at 0.29% Ni, 135ppm Co, 74ppm Cu, 20ppb Pt+Pd from 108m with S:Ni 1.0**

With a number of higher grade intervals including:

**58m at 0.34% Ni, 138ppm Co, 108ppm Cu, 30ppb Pt+Pd from 204m**
inc. **8m at 0.48% Ni, 147ppm Co, 168ppm Cu, 35ppb Pt+Pd from 210m**
and inc. **10m at 0.40% Ni, 172ppm Co, 351ppm Cu, 61ppb Pt+Pd from 232m**

**19m at 0.44% Ni, 209ppm Co, 246ppm Cu, 64ppb Pt+Pd from 378m**

inc. **8m at 0.54% Ni, 250ppm Co, 371ppm Cu, 81ppb Pt+Pd from 389m**

that inc. **1m at 1.56% Ni, 548ppm Co, 0.12% Cu, 0.2g/t Pt+Pd from 395m**

**10m at 0.38% Ni, 167ppm Co, 91ppm Cu, 50ppb Pt+Pd from 568m**

***DISCUSSION***

Another great quarter for the Company and the Mulga Tank Project. Drilling to date at the project highlights an extensive magmatic nickel sulphide mineral system within the Mulga Tank Ultramafic Complex, with visible nickel sulphide encountered nearly everywhere we drill. Significant Type 2 Mt Keith-style disseminated nickel sulphide mineralisation has been demonstrated across the majority of the main body of the Complex, some ~4km.

This zone of shallow Mt Keith-style mineralisation could be amenable to large scale open pit mining, which the Company reported as an Exploration Target in early February. This was a major milestone for both the project and the Company; a culmination of two years of steadily improving results at the project. The Exploration Target highlights Mulga Tank could be a potentially globally significant nickel sulphide deposit.

In follow-up to the Exploration Target modelling the Company focused the Phase 2 RC program on the higher grade core area, looking to infill, improve confidence, progressively de-risk and aid resource evaluation of this zone. The Phase 2 holes were successful in extending and improving confidence in this central core area with a number of robust mineralised intersections around ~200m or greater now identified across the two Phases.

Whilst the Company continues to de-risk the extensive shallow disseminated mineralisation, there is increasing evidence of a Type 1/2 hybrid nickel sulphide mineral system more akin to Perseverance-style mineralisation (basal massive sulphide component). This includes numerous examples of remobilised massive sulphide veinlets and visible larger in-situ immiscible sulphide globules seen in diamond drilling throughout the Complex.

The deeper portion of diamond hole MTD029 (EIS3) showed the strongest evidence to date for the system to host a massive sulphide component, with frequent sulphide veining and numerous zones of large sulphide segregations, in a very “active” and sulphide saturated magma assemblage. **These observations continue to validate the Company’s assumptions and exploration thesis**. Heavily disseminated, possible “cloud sulphide”, was encountered in hole MTD029 (EIS3) at a similar relative position to the zone seen in MTD027 - which returned 96m at 0.40% NI from 1,208m, including 38m at 0.56% Ni from 1,262m and 8m at 1.11% Ni from 1,270m

Visible sulphides grading up to semi-massive in some intersections, were observed and logged in the Phase 2 RC program. These were confirmed by assay results with a number of the holes returning higher grade results between 1% to 4.5% Ni, in relatively shallow intersections. These results are distributed across the central area of the Complex, some of which can start to be correlated between drill holes over several hundreds of metres. The Company will look to target thicker intervals of this material with follow-up work - a modest improvement in the width of these high grade intersections could really change the value proposition of the project.

A Phase 3 RC program was announced and commenced for the current quarter (*ASX, Exploration Activities Recommence at Mulga Tank, 4 July 2024*). This program will look to follow-up on higher grade holes MTRC032 and MTRC038 extending mineralisation further to the south, as well as look to prove up further mineralisation >0.40% Ni around hole MTRC016 in the core of the Complex, as a “starter pit” resource.

## JASPER HILL

The Jasper Hill Project comprises exploration licences E39/2073, E39/2079 and prospecting licence P39/6267 (P39/6267 was granted during the quarter). The project is located approximately 80km southeast of Laverton and covers part of the poorly exposed Merolia Greenstone Belt, a NNW trending belt, up to 20km wide, that can be traced over 110km in a SSE direction from the Burtville Mining Centre. The project area is lightly explored, due to being partly under shallow cover, but is contiguous to the historical producing mines of Lord Byron (160,000oz at 1.0g/t Au) and Fish (87,000oz at 4.1g/t Au).

Jasper Hill is the Company's primary gold project containing a mineralised gold trend over 3km strike. The Company as completed field reconnaissance work involving geological mapping, high-resolution ground magnetic survey and locating historical drill collars and registered aboriginal heritage sites.

Following the grant of P39/6267 the Company has completed a desktop review of the project and made plans for extensive fieldwork campaigns involving ground magnetic (extending current coverage), ground gravity and soil and rock chip sampling surveys for the current period.

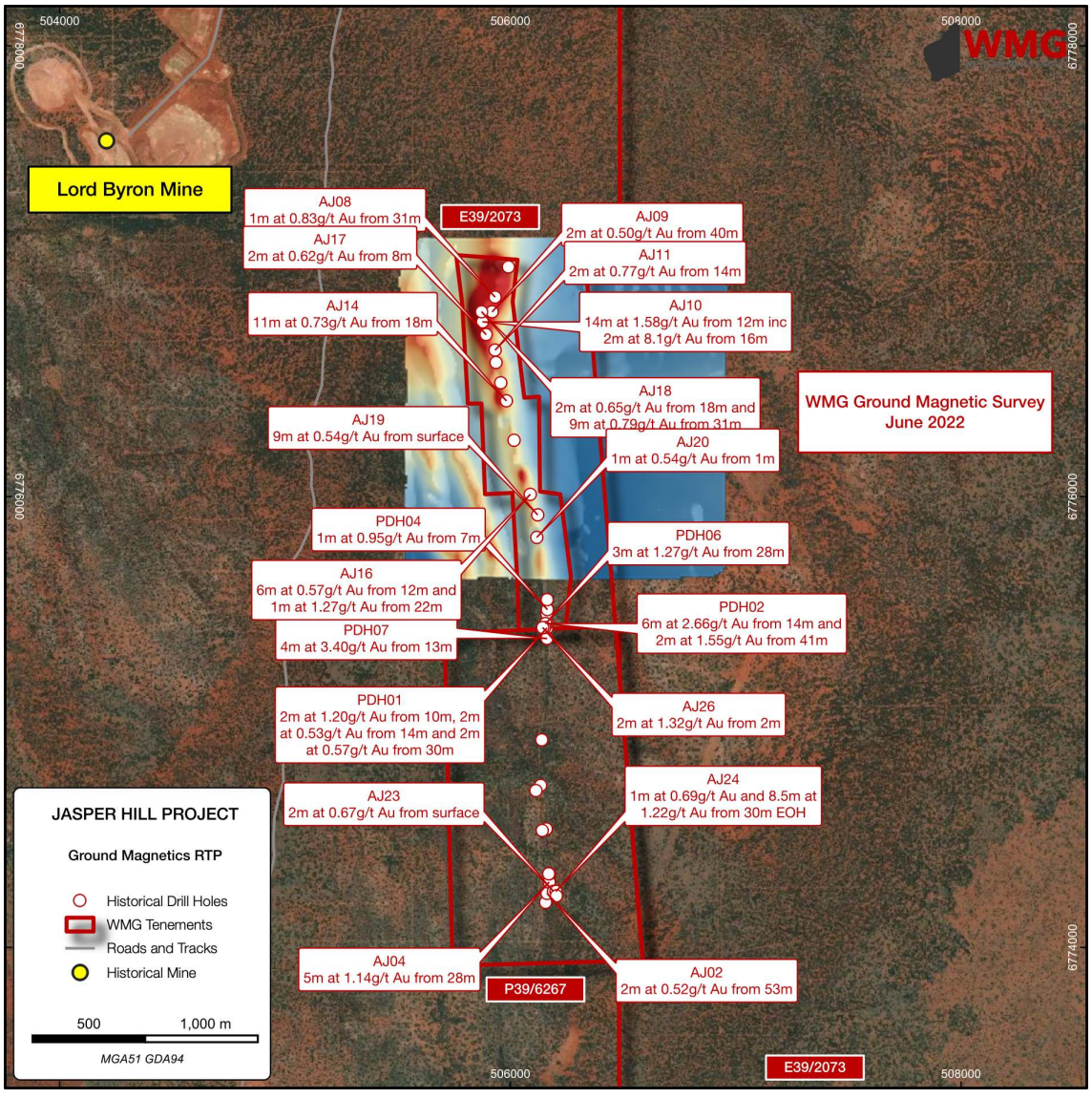


Figure 5: WMG ground magnetic survey and significant historical drill intersections (E39/2073 and P39/6267)

## YOUANMI

The Youanmi Project comprises exploration licence E57/1119. The project is located 70km southwest of Sandstone and lies on the eastern side of the Youanmi Greenstone Belt, along the major Youanmi Shear.

The tenement is located 7km from the historic Youanmi Gold Mining Centre, which has produced over 600,000oz of gold since its discovery in the late 1800's, currently owned by Rox Resources (ASX:RXL) and Venus Metals (ASX:VMC). The area has seen a resurgence in exploration activity with the recent discovery of the high-grade Penny North (ASX:RMS) and Grace (ASX:RXL) deposits along the Youanmi Shear.

A site visit for field reconnaissance and part of a high-resolution ground magnetic survey were completed during 2023. Following a review of the project and identification of the historical Deep Well prospect the Company undertook further fieldwork during the previous quarter involving ground gravity surveying. Results from the initial gravity survey are being processed and further fieldwork will be planned at the project over the second half of 2024.

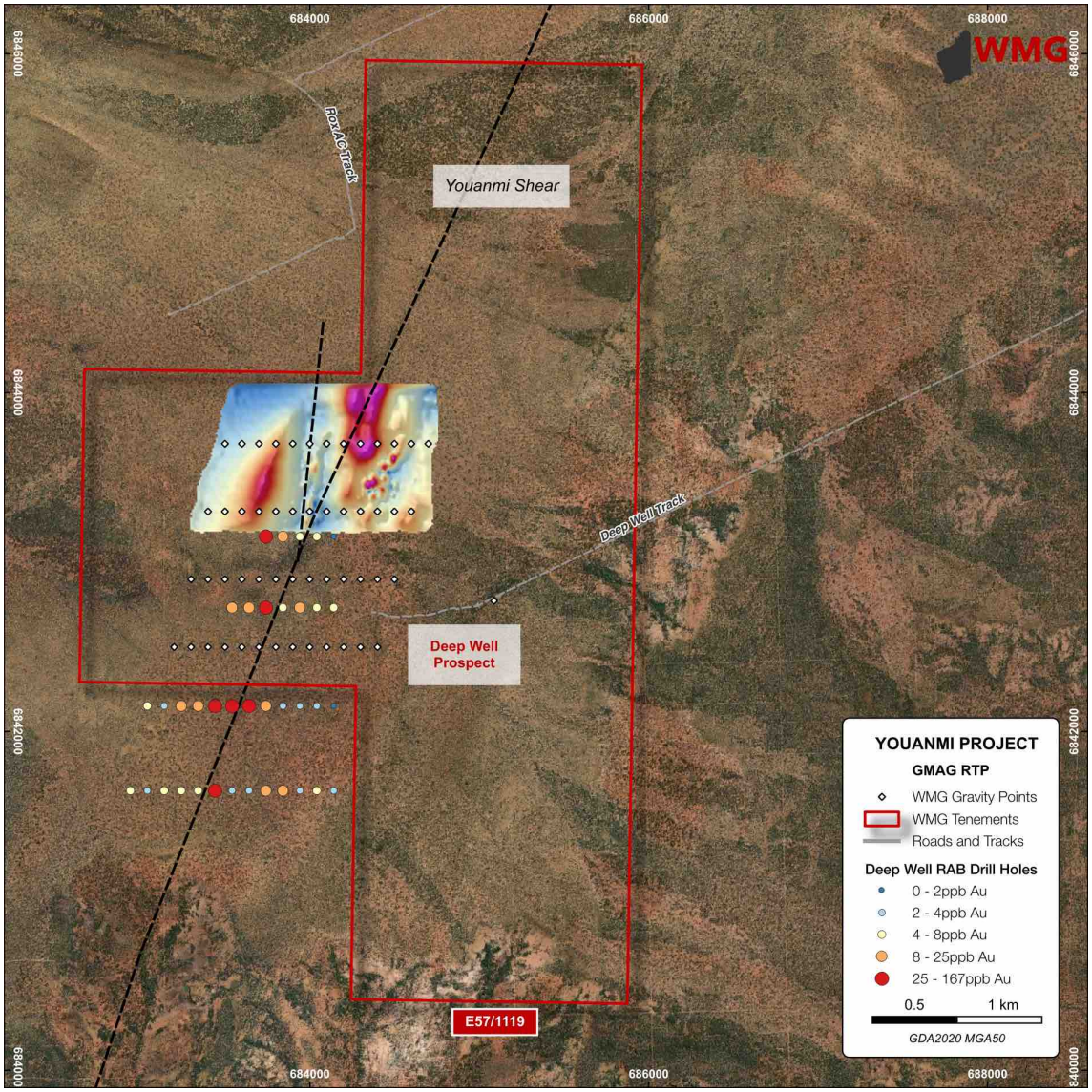


Figure 6: Historical Deep Well RAB drilling and WMG ground gravity survey points

## MELITA

The Melita Project comprises exploration licence E40/379, covering an area of approximately 105km$^2$. The project is located 20km south-southeast of Leonora and to the north of the Kookynie, Niagara and Orient Well-Butterfly gold mining centres, in the heart of the WA Goldfields. The Kookynie area has seen recent upswing in exploration, with WMG's Melita Project surrounded by the likes of Genesis Minerals (ASX:GMD), Saturn Metals (ASX:STN), Azure Minerals (ASX:AZS), KIN Mining (ASX:KIN) and .

The Company notes the increase in M&A activity around the Leonora-Kookynie area and undertook a review of the project, including soil geochemical and ground magnetic data collected during a series of WMG field campaigns (*ASX, Major Field Program Commences at Melita, 11 August 2021; Completion of Initial Field Program at Melita, 16 September 2021*).

During the previous quarter the Company completed a field visit to the Melita Project. A high resolution ground gravity survey was completed over the Airstrip Gossan area, along with geological mapping and sampling. A number of additional outcrops of Cu-Pb-Zn gossans were identified and sampled. At the Princess Melita area additional geological mapping of historical workings, sampling and metal detecting was undertaken. The results of this fieldwork are being interpreted and will be used to plan further work.

**Figure 7: Technical Director Dr Ben Grguric examining historical gold workings at the Melita Project**

## PINYALLING

The Pinyalling Project comprises exploration licence E59/2486 covering 55km$^2$. The project is located approximately 25km NW of Paynes Finds and lies at the south-eastern end of the Yalgoo-Singleton Greenstone Belt, within an area known as the Warriedar Fold Belt that comprises a folded sequence of gabbro and dolerite intercalated with basalt, ultramafics, sediments and BIF. The Warriedar Fold Belt hosts a number of historic gold workings at the Pinyalling Mining Centre, 3km north of the tenement area, as well as the Baron Rothschild prospect drilled by Thundelarra Exploration during the 1990s.

The Company engaged remote sensing specialists Earthscan Pty Ltd to complete satellite based remote sensing work over the project area, using ASTER multispectral imagery. This work was principally focused on mapping pegmatite sequences that could potentially host lithium mineralisation.

During a previous quarter, the Company completed an initial field reconnaissance visit to the project area to ground-truth targets identified by the remote sensing work. A number of sub-cropping and outcropping pegmatites were encountered and sampled. In general the tenement area contained a lot more remnant greenstone belt lithologies than the simple granitic terrane shown on the GSWA geological mapping of the area. These possible extensions of the nearby Warriedar Fold Belt increase the gold potential of the project area than first thought. A soil sampling survey to test the gold potential of the project area is being planned.

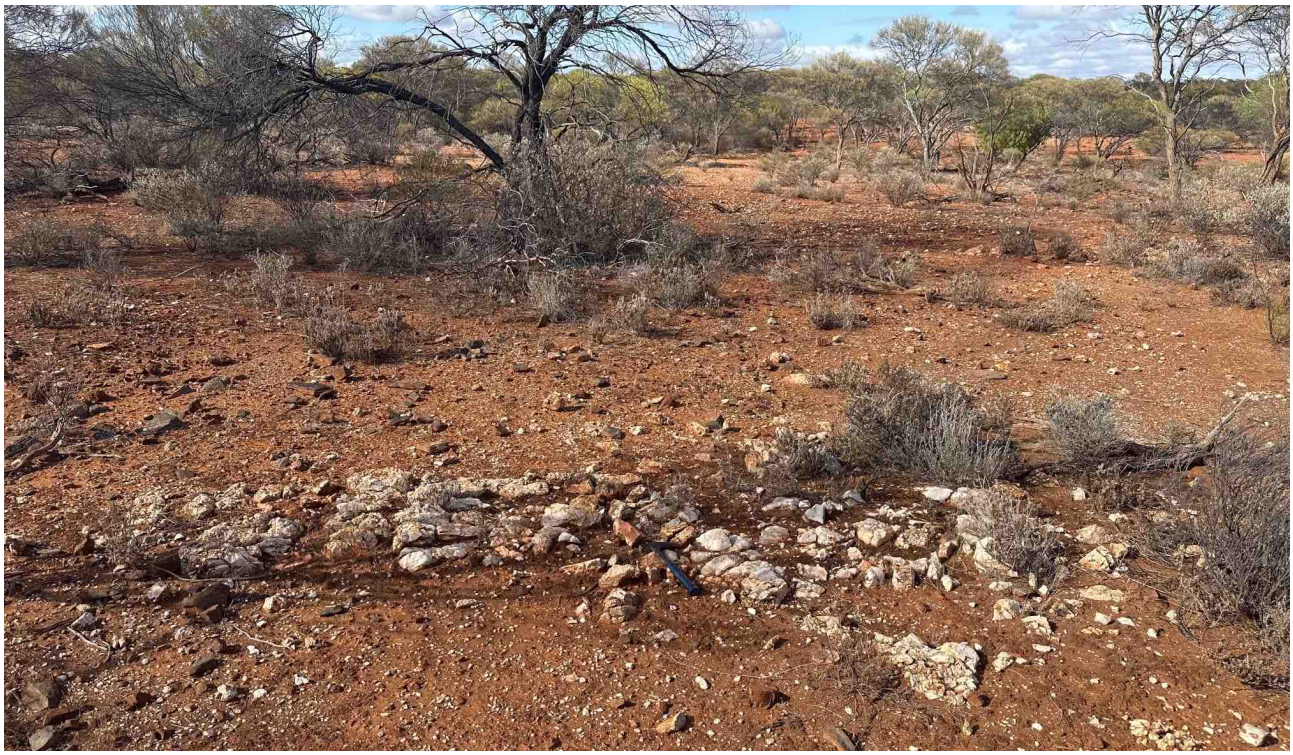

**Figure 8: Example of sub-cropping pegmatite at the Pinyalling Project**

## PAVAROTTI

The Pavarotti Project comprises exploration licence E77/2478 and exploration licence application E77/2746. The project is located approximately 50km north-northeast of Southern Cross and lies on the western side of the Koolyanobbing Greenstone Belt, a northwest trending sequence of mafic and ultramafic volcanic and intrusive rocks with lesser sediments intercalated with BIF horizons forming prominent ridges. The BIF horizons have been exploited since the 1960s, with several open pit iron ore mines that are currently owned by Mineral Resources (ASX:MIN).

Historical rock chip samples from Jock's Fury show anomalous results of up to **0.74% Ni, 0.11% Cu and 0.22g/t Pt+Pd over 140m strike**. BHP drilled several shallow holes at Jocks Fury in the late 1960's including **H202** intersecting **4.6m at 1.28% Ni, 597ppm Cu, 293ppm Co** from 42.7m to the end of hole (EOH) and **H273** intersecting **16.8m at 0.78% Ni, 360ppm Cu, 285ppm Co** from 12.2m, including **3.1m at 1.60% Ni, 865ppm Cu, 700ppm Co** from 24.4m.

No exploration work was done on the project during the quarter. The Company continues to wait on the grant of tenement application E77/2746, containing Jock's Fury, in order to commence exploration.

## ROCK OF AGES

The Rock of Ages Project comprises prospecting licence P38/4203 and is located approximately 32km southeast of Laverton. The project lies on the Laverton Greenstone Belt, around 4.5km south of the historical Burtville Mining Centre. The tenement contains the historical Rock of Ages workings, a series of shallow mine workings over approximately 600m strike, associated with quartz veining and ferruginous cherts, within felsic volcanic schists. Historical records indicate 2,074oz Au was mined from the workings between 1902 and 1911 at an average grade of 50g/t Au.

No exploration work was done on the project during the quarter.

## BROKEN HILL BORE

The Broken Hill Bore Project comprises exploration licence E31/1222 and is located approximately 160km northeast of Kalgoorlie, near Edjudina. The Edjudina region hosts a number of significant gold deposits such as Northern Star's (ASX:NST) Carosue Dam Project, the Edjudina Gold Camp, 9km south of the project and the Patricia workings along strike. The Yarri and Porphyry Gold Camps are located in the Murrin Domain 18km to the west and the Deep South Deposits in the Linden Domain to the north east.

A review of the project was completed during the quarter and plans made for a field visit during the current quarter.

**For further information please contact:**

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Managing Director
Tel: +61 475 116 798
Email: contact@westernmines.com.au

*This announcement has been authorised for release to the ASX by the Board of Western Mines Group Ltd*

# QUARTERLY ACTIVITY REPORTS BY MINING EXPLORATION ENTITIES ASX LISTING RULE 5.3

## ASX LISTING RULE 5.3.1 - EXPLORATION ACTIVITIES

Exploration and Evaluation during the quarter was $1,365,358, a similar level the previous quarter as the Phase 2 RC program at Mulga Tank was completed, diamond drilling was undertaken and geochemical assays results were received. Major items of expenditure were the Mulga Tank RC and diamond drilling and geochemical assay costs.

## ASX LISTING RULE 5.3.2 - MINING PRODUCTION AND DEVELOPMENT ACTIVITIES

No mining production of development activities during the quarter.

## ASX LISTING RULE 5.3.3 - TENEMENT TABLE

| Tenement | Holder | Status | Grant (Application) | Expiry | Area | Interest |
|---|---|---|---|---|---|---|
| **E31/1222** | Western Mines Group Ltd | Granted | 09/09/20 | 08/09/25 | 1BL | 100% |
| **P38/4203** | Western Mines Group Ltd | Granted | 12/01/21 | 28/12/24 | 9.71Ha | 100% |
| **E39/2073** | Western Mines Group Ltd | Granted | 07/06/19 | 06/06/24 | 14BL | 100% |
| **E39/2079** | Western Mines Group Ltd | Granted | 28/07/21 | 27/07/26 | 11BL | 100% |
| **E39/2132** | Western Mines Group Ltd | Granted | 22/07/20 | 21/07/25 | 27BL | 100% |
| **E39/2134** | Western Mines Group Ltd | Granted | 13/08/21 | 12/08/26 | 10BL | 100% |
| **E39/2223** | Western Mines Group Ltd | Granted | 8/3/23 | 7/3/28 | 11BL | 100% |
| **E39/2299** | Western Mines Group Ltd | Application | (05/11/21) | - | 95BL | 100% |
| **P39/6267** | Western Mines Group Ltd | Granted | 11/06/24 | 10/06/28 | 119Ha | 100% |
| **E40/379** | Western Mines Group Ltd | Granted | 03/04/19 | 02/04/24 | 35BL | 100% |
| **E57/1119** | Western Mines Group Ltd | Granted | 04/12/19 | 03/12/24 | 4BL | 100% |
| **E59/2486** | Western Mines Group Ltd | Granted | 18/03/22 | 17/03/27 | 15BL | 100% |
| **E77/2478** | Western Mines Group Ltd | Granted | 24/01/19 | 23/01/24 | 5BL | 100% |
| **E77/2746** | Western Mines Group Ltd | Application | (03/12/20) | - | 1BL | 100% |

**Tenement Table:** Tenements held at quarter end, all tenements located in Western Australia.

**Tenements relinquished during the quarter:** None
**Tenements interests acquired during the quarter:** None (P39/6267 granted during the period)
**Farm-in or farm-out agreements entered into during the quarter:** None
**Beneficial interests held in farm-in or farm-out agreements at end of quarter:** N/A

## ASX LISTING RULE 5.3.5 - PAYMENTS TO RELATED PARTIES

Payments to related parties of the entity and their associates are shown below:

| Related Party | Amount | Description |
|---|---|---|
| **Directors** | $103,605 | Director fees and salaries |
| **Directors** | $12,007 | Exploration services paid to Director related entities |

**Western Mines Group Ltd**
ACN 640 738 834
Level 3, 33 Ord Street
West Perth
WA 6005

**Board**

**Rex Turkington**
*Non-Executive Chairman*

**Dr Caedmon Marriott**
*Managing Director*

**Francesco Cannavo**
*Non-Executive Director*

**Dr Benjamin Grguric**
*Technical Director*

**Capital Structure**

Shares: 80.81m
Options: 19.20m
Share Price: $0.245
Market Cap: $19.80m
Cash (30/06/24): $2.13m

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## ABOUT WMG

Western Mines Group Ltd (ASX:WMG) is a mineral exploration company driven by the goal to create significant investment returns for our shareholders through exploration and discovery of high-value gold and nickel sulphide deposits across a portfolio of highly-prospective projects located on major mineral belts of Western Australia.

Our flagship project and current primary focus is the Mulga Tank Ni-Co-Cu-PGE Project, a major ultramafic complex found on the under-explored Minigwal Greenstone Belt. WMG's exploration work has discovered significant nickel sulphide mineral system and is considered highly prospective for globally significant Ni-Co-Cu-PGE deposits.

The Company's primary gold project is Jasper Hill, where WMG has strategically consolidated a 3km mineralised gold trend with walk-up drill targets. WMG has a diversified portfolio of other projects including Melita (Au, Cu-Pb-Zn), midway between Kookynie and Leonora in the heart of the WA Goldfields; Youanmi (Au), Pavarotti (Ni-Cu-PGE), Rock of Ages (Au), Broken Hill Bore (Au) and Pinyalling (Au, Cu, Li).

## COMPETENT PERSONS STATEMENT

The information in this announcement that relates to Exploration Results and other technical information complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Dr Caedmon Marriott, Managing Director of Western Mines Group Ltd. Caedmon is a Member of the Australian Institute of Geoscientists, a Member of the Society of Economic Geologists and a Member of the Australasian Institute of Mining and Metallurgy. He 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 JORC Code. Caedmon consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

## DISCLAIMER

Some of the statements appearing in this announcement may be in the nature of forward looking statements. You should be aware that such statements are only predictions and are subject to inherent risks and uncertainties. Those risks and uncertainties include factors and risks specific to the industries in which WMG operates and proposes to operate as well as general economic conditions, prevailing exchange rates and interest rates and conditions in the financial markets, among other things. Actual events or results may differ materially from the events or results expressed or implied in any forward looking statement. No forward looking statement is a guarantee or representation as to future performance or any other future matters, which will be influenced by a number of factors and subject to various uncertainties and contingencies, many of which will be outside WMG's control.

WMG does not undertake any obligation to update publicly or release any revisions to these forward looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions or conclusions contained in this announcement. To the maximum extent permitted by law, none of WMG, its Directors, employees, advisors or agents, nor any other person, accepts any liability for any loss arising from the use of the information contained in this announcement. You are cautioned not to place undue reliance on any forward looking statement. The forward looking statements in this announcement reflect views held only as at the date of this announcement.

# Appendix 5B

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

| Name of entity | |
|---|---|
| Western Mines Group Ltd | |
| **ABN** | **Quarter ended ("current quarter")** |
| 59 640 738 834 | 30 June 2024 |

| | **Consolidated statement of cash flows** | **Current quarter $A'000** | **Year to date (12 months) $A'000** |
|---|---|---|---|
| **1.** | **Cash flows from operating activities** | | |
| 1.1 | Receipts from customers | | |
| 1.2 | Payments for | | |
| | (a) exploration & evaluation | | |
| | (b) development | | |
| | (c) production | | |
| | (d) staff costs | (118) | (409) |
| | (e) administration and corporate costs | (138) | (502) |
| 1.3 | Dividends received (see note 3) | | |
| 1.4 | Interest received | 8 | 64 |
| 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** | **(248)** | **(847)** |

| | | | |
|---|---|---|---|
| **2.** | **Cash flows from investing activities** | | |
| 2.1 | Payments to acquire or for: | | |
| | (a) entities | | |
| | (b) tenements | | (22) |
| | (c) property, plant and equipment | | (58) |
| | (d) exploration & evaluation | (1,365) | (4,555) |
| | (e) investments | | |
| | (f) other non-current assets | | |

| Consolidated statement of cash flows | | Current quarter $A'000 | Year to date (12 months) $A'000 |
|---|---|---|---|
| 2.2 | Proceeds from the 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) | 194 | 447 |
| **2.6** | **Net cash from / (used in) investing activities** | **(1,171)** | **(4,188)** |

*Note 2.5: Relates to a government grant received in relation to exploration expenditure incurred.*

| **3.** | **Cash flows from financing activities** | | |
|---|---|---|---|
| 3.1 | Proceeds from issues of equity securities (excluding convertible debt securities) | 1,537 | 3,752 |
| 3.2 | Proceeds from issue of convertible debt securities | | |
| 3.3 | Proceeds from exercise of options | 304 | 379 |
| 3.4 | Transaction costs related to issues of equity securities or convertible debt securities | (68) | (242) |
| 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** | **1,773** | **3,889** |

*Note 3.1: The Company received $1,537,000 (before costs) during the quarter but the shares in relation to this amount were issued on 1 July 2024.*

| **4.** | **Net increase / (decrease) in cash and cash equivalents for the period** | | |
|---|---|---|---|
| 4.1 | Cash and cash equivalents at beginning of period | 1,772 | 3,272 |
| 4.2 | Net cash from / (used in) operating activities (item 1.9 above) | (248) | (847) |
| 4.3 | Net cash from / (used in) investing activities (item 2.6 above) | (1,171) | (4,188) |
| 4.4 | Net cash from / (used in) financing activities (item 3.10 above) | 1,773 | 3,889 |

| Consolidated statement of cash flows | | Current quarter $A'000 | Year to date (12 months) $A'000 |
|---|---|---|---|
| 4.5 | Effect of movement in exchange rates on cash held | | |
| **4.6** | **Cash and cash equivalents at end of period** | **2,126** | **2,127** |

| 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 | 2,121 | 1,272 |
| 5.2 | Call deposits | 5 | 500 |
| 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)** | **2,126** | **1,772** |

| 6. | Payments to related parties of the entity and their associates | Current quarter $A'000 |
|---|---|---|
| 6.1 | Aggregate amount of payments to related parties and their associates included in item 1 | 116 |
| 6.2 | Aggregate amount of payments to related parties and their associates included in item 2 | 12 |

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

*Note 6.1: Includes payment of Directors fees, salaries and superannuation and investor relations fee paid to a Director.*

*Note 6.2: Includes payment of exploration expenditure to Director related entities.*

| 7. | **Financing facilities**<br>*Note: the term "facility' includes all forms of financing arrangements available to the entity.*<br>*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.

| | |
|---|---|
| | |

| 8. | **Estimated cash available for future operating activities** | **$A'000** |
|---|---|---|
| 8.1 | Net cash from / (used in) operating activities (item 1.9) | (248) |
| 8.2 | (Payments for exploration & evaluation classified as investing activities) (item 2.1(d)) | (1,365) |
| 8.3 | Total relevant outgoings (item 8.1 + item 8.2) | (1,613) |
| 8.4 | Cash and cash equivalents at quarter end (item 4.6) | 2,126 |
| 8.5 | Unused finance facilities available at quarter end (item 7.5) | - |
| 8.6 | Total available funding (item 8.4 + item 8.5) | 2,126 |
| 8.7 | **Estimated quarters of funding available (item 8.6 divided by item 8.3)** | 1.32 |

*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:

8.8.1 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: No, exploration spend during the quarter included a number of drilling invoices from the previous quarter so spending should be less in the current period and ongoing.

8.8.2 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: The Company has recently signed a $6m At-the-Market funding agreement with Alpha Investment Partners (subject to shareholder approval). It has not taken any other steps to raise further capital at present but, as an exploration company with an active exploration program the Company's requirement for new capital is always under review. Additional capital will be needed and the Company is confident of raising such capital when required.

| | |
|---|---|
| 8.8.3 | Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis? |
| Answer: Yes. The Company has the capacity to raise further capital and to manage its exploration spend as required. | |
| *Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.* | |

## 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.

30 July 2024

Date: .....

The Board of Western Mines Group Ltd

Authorised by: .....
(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 – eg 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.