

March 2023 Quarterly Activities Report

Musgrave Minerals Ltd is dedicated to building a sustainable and profitable gold mining business driven by exploration and development success.

ASX Code: MGV
Issued Shares: 591M
Cash Balance: \$11.8M
ABN: 12 143 890 671

Directors

Graham Ascough
Robert Waugh
Kelly Ross
John Percival
Brett Lambert

Top Shareholders

Westminex Group
Jetosea Pty Ltd
HSBC Nominees (Australia) Ltd
Evolution Mining Ltd
Citicorp Nominees Pty Ltd

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Highlights

Cue Gold Project (100% MGV)

- Total Mineral Resources at the Cue Project are:
 - 12.3Mt @ 2.3g/t Au for 927koz of contained gold

Stage 1 Prefeasibility Study (100% MGV)

- Confirms a financially attractive standalone project with an initial 5-year LOM demonstrating low cost, high margin gold production (A\$2,600/oz sale price)
- LOM undiscounted, pre-tax free cash flow of \$314M
- Pre-tax NPV₈ of \$235M, with an IRR of 95% (\$215M and 91% post-tax)
- Payback period of 9 months
- EBITDA of \$528M, with a C1 cost of A\$934/oz
- Average LOM AISC of A\$1,315/oz
- Stage 1 PFS gold production of 337,000oz (345,000oz mined) with the initial 3 years averaging 80,000oz/year

Drilling focussed on extending mine life beyond Stage 1

Extensional RC drilling intersected:

White Heat-Mosaic Deposit (100% MGV)

- 4m @ 5.2g/t Au from 29m (22MORC332)
- 9m @ 2.1g/t Au from 20m (22MORC415)

White Light (Break of Day Deposit (100% MGV)

- 2m @ 34.7g/t Au from 84m (22MORC406), and
- 2m @ 14.7g/t Au from 100m (22MORC406)

Big Sky Deposit (100% MGV)

- 2m @ 5.6g/t Au from 21m (22MORC400)
- 5m @ 3.3g/t Au from 7m (22MORC395)

Regional Exploration Drilling (100% MGV)

- RC drilling at the Amarillo Prospect intersected:
 - 8m @ 4.6g/t Au from 34m (22MORC371)
 - 6m @ 3.4g/t Au from 48m (22MORC363), and
 - 5m @ 3.0g/t Au from 57m (22MORC363)
- RC drilling at the Waratah Prospect intersected:
 - 3m @ 8.4g/t Au from 43m (22MORC348)
 - 1m @ 10.2g/t Au from 56m (22MORC334)
- RC drilling at north of Break of Day intersected:
 - 4m @ 8.2g/t Au from 50m (22MORC413) in a new lode

CORPORATE

At the end of the March 2023 quarter, the Company held \$11.8M in cash with the Company's capital structure comprising:

- 591,207,949 fully paid ordinary shares (ASX: MGV); and
- 25,170,000 unlisted options at various exercise prices and expiry dates.

Musgrave successfully completed a Share Purchase Plan (SPP) raising \$2.1M (before costs) in January 2023 following a capital raising in December 2022.

The Quarterly Cashflow Report (Appendix 5B) for the period ending 31 March 2023 provides an overview of the Company's financial activities. Cash exploration expenditure for the reporting period was \$2.5M. Corporate and other expenditure amounted to \$282k. The total amount paid to Directors of the entity and their associates in the period (item 6.1 of the Appendix 5B) was \$146k and includes salary, Directors' fees, and superannuation.

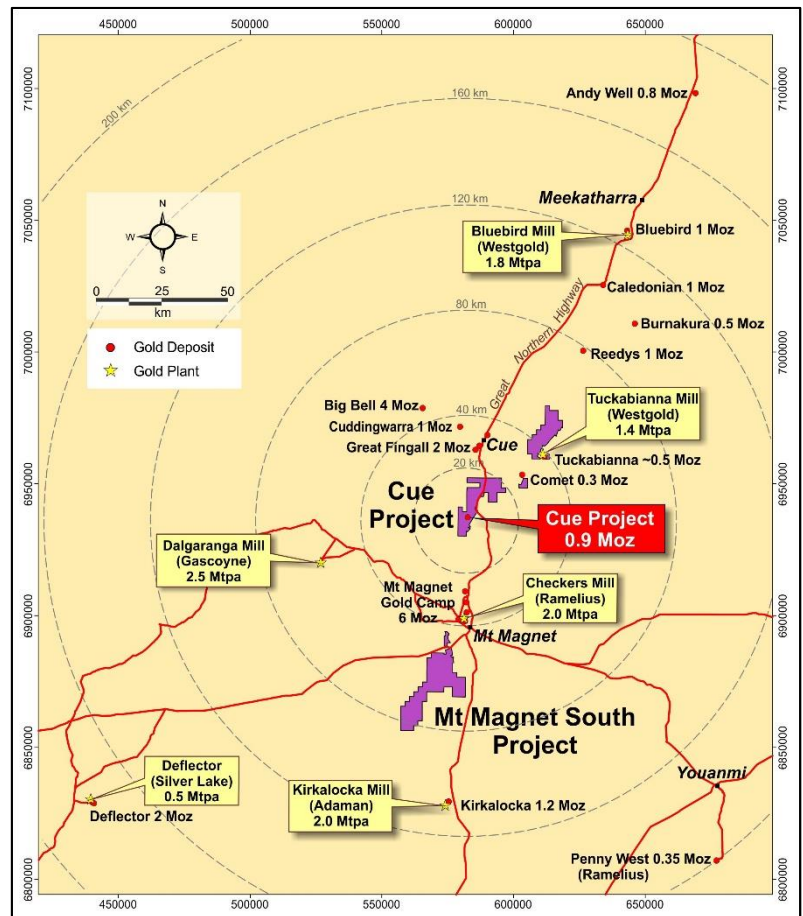


Figure 1: Murchison region, project location plan

Investments

The Company holds 12.5 million shares in Legend Mining Limited ("Legend") currently valued at approximately \$0.7M based on a Legend share price of \$0.046/share. Musgrave also holds 1,308,750 ordinary shares in Cyprium Metals Limited ("Cyprium") currently valued at approximately \$0.14M based on a Cyprium share price of \$0.11/share.

Environment- Social-Governance (ESG)

Musgrave ensures its sustainability goals govern the way we act, and have aligned our Stage 1 Prefeasibility Study with our ESG objectives. This involves engaging key stakeholders in the development of the project, assessing low carbon emission hybrid power options, and implementing site layout and infrastructure plans that minimise the impact to the environment.

EXPLORATION AND DEVELOPMENT ACTIVITIES

Cue Gold Project (100% MGCV)

During the quarter the key focus was on progressing both exploration and the Stage 1 Prefeasibility Study on Musgrave's 100% owned tenure (*Figure 2*) at Cue which hosts a Mineral Resource Estimate of:

12.3 Mt @ 2.3g/t Au for 927koz gold (Indicated and Inferred)

This work resulted in the delivery of the Stage 1 PFS in April 2023 for the Cue Gold Project (CGP). The CGP focused on the southern component of the Mineral Resource:

10.8 Mt @ 2.5g/t Au for 868koz gold (Indicated and Inferred)

Exploration and resource conversion drilling continued throughout the quarter with further positive RC (reverse circulation) drilling results from Big Sky, Amarillo, Waratah and the identification of a new gold lode north of Break of Day. The Company drilled 100 RC holes for 7,645m across 11 deposits/prospects during the quarter. Final assays are pending for the majority of these holes. Aircore drilling over new target areas during the quarter included a combination of sterilisation drilling and drilling across new targets, consisting of 157 drillholes for 9,984m. Full assays results are pending.

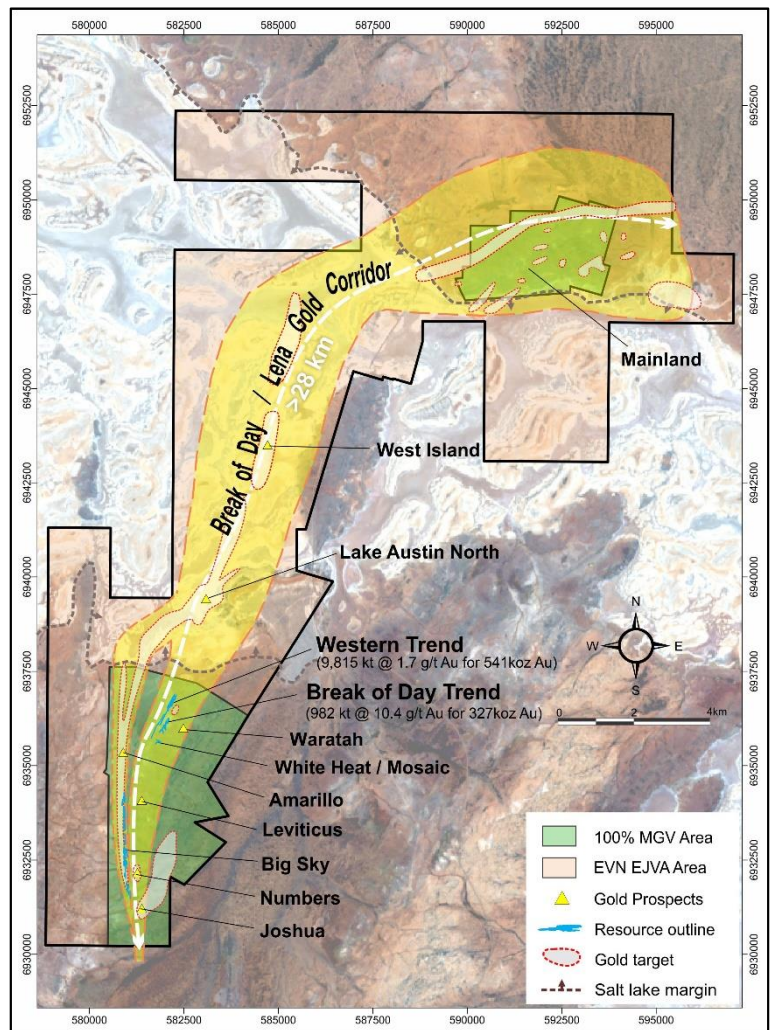


Figure 2: Plan showing Cue prospect locations

Musgrave released the Company's first 3D interactive geoscientific model of the Cue Gold Project which can be accessed through the home page on the Company's website www.musgraveminerals.com.au.

The 3D interactive model is hosted using the VRIFY Technology Platform and includes details of the Cue Gold Project location, topography, and resource block models. Exploration activities such as drilling, surface geochemistry, geophysical surveys and models of the Company's gold deposits are displayed in an intuitive 3D interface. Stage 1 PFS designs and the planned infrastructure layout will be uploaded to the model in the coming quarter.

Stage 1 Prefeasibility Study (100% MGCV)

Post the end of the quarter, the Company announced the results of a Stage 1 Prefeasibility Study (PFS) on its 100% owned Cue Gold Project (*Figure 3*). The outcomes of the study show a technically and financially robust project (*Table 1 and Figure 4*).

The Stage 1 PFS Life of Mine (LOM) plan focuses predominantly on the current 417,000 oz Indicated component of the 868,000 oz Southern Area Mineral Resource with mining of 345,000 oz with compelling physical and economic metrics.

Musgrave intends to rapidly advance to a Stage 2 PFS which is expected to extend the LOM as ongoing drilling tests new prospects and extends and upgrades existing Inferred Mineral Resources for incorporation into the mine plan, within Musgrave's 100% owned tenure.

Musgrave is continuing to fast-track drilling, to make new discoveries and grow and de-risk the resource base with a focus on adding mine life through the Stage 2 PFS and continuing to drive value for the project. The Company is also advancing technical studies and permitting to accelerate the project towards development.

Key Highlights of the Stage 1 PFS

- **Confirms a financially attractive standalone project with an initial 5-year LOM demonstrating low cost, high margin gold production.**
- **LOM undiscounted, pre-tax, free cash flow of \$314M over 'Stage 1' 5-year term (A\$2,600/oz sale price), increases to \$427M at current spot of ~A\$2,950/oz.**
- **Payback period of 9 months from commencement of production, accounting for a standalone 500,000tpa processing plant and three months pre-production activities totalling \$121M in startup capital.**
- **Stage 1 PFS gold production of 337,000oz (345,000oz mined) with the initial 3 years averaging 80,000 oz/year. The total LOM production includes approximately 77% Indicated and 23% of Inferred Mineral Resource.**
- **The Project displays robust financial metrics:**
 - **EBITDA of \$528M, with a C1 cost of A\$934/oz**
 - **Average LOM AISC of A\$1,315/oz, including sustaining capital of \$93M over the LOM**
 - **Pre-tax NPV₈ of \$235M, with an IRR of 95% (\$215M and 91% post-tax)**
- **Stage 1 PFS cost profiles are based on the current inflationary environment, with 86% of the total costs having a direct Q1CY23 quoted price from service provider or contractor.**
- **Musgrave will rapidly advance to a Stage 2 PFS with the aim of extending mine life through ongoing infill drilling to convert Inferred material as well as continued exploration and drilling of mineralised prospects to underpin an updated Mineral Resource Estimate in late 2023.**

Cautionary statement:

The production inventory and forecast financial information referred to in the Stage 1 PFS comprise Indicated Mineral Resources (approximately 77%) and Inferred Mineral Resources (approximately 23%). The Inferred material has been scheduled such that less than 7% tonnage and less than 1.7% ounces of the Inferred material is mined in the first year during the payback period with the remainder mined through to the end of the mine life. The Inferred material does not have a material effect on the technical and economic viability of the Cue Gold Project. There is a lower level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised.

The Project's key financial outputs and gold metrics are displayed in Table 1. They illustrate that the project is a robust economic opportunity with the generation of high net cash flows and overall low unit costs on a yearly basis and a short payback period (*Figure 4*). Financial assessment has been undertaken on a base case A\$2,600/oz gold price (which is approximately 14% below the current market spot price), constant over the full term of the PFS.

The total life of mine (LOM) production in the project schedule is underpinned by 1.7Mt of ore in the Indicated Resource classification which equates to 77% of recovered gold ounces. The remaining 23% of recovered gold ounces is mined from 0.7Mt of Inferred Resources.

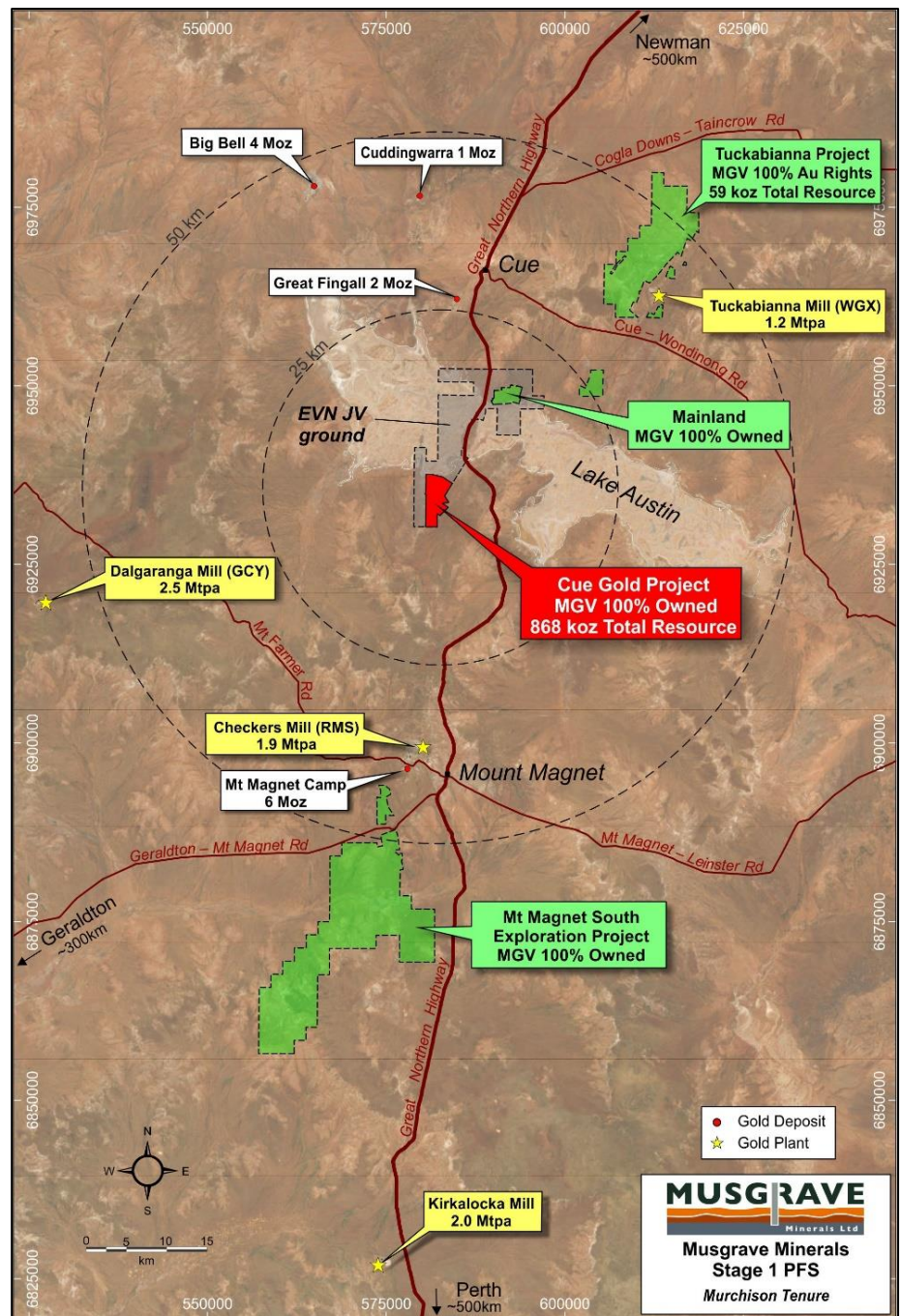


Figure 3: Cue Gold Project location plan

Quarterly Activities Report for the period ended 31 March 2023

Key Project Metrics (Real unless stated)	Unit	Stage 1 PFS @ \$2,600 Au Base Case	Stage 1 PFS @ \$2,950 Au Spot Price
Initial Project Life (Total)	months	70 Mth(s)	70 Mth(s)
Initial Operating Life (Total)	months	62 Mth(s)	62 Mth(s)
Nominal Processing Plant throughput (annum)	ktpa	500	500
Gold Price	AUD / oz	2,600 / oz	2,950 / oz
Process Plant Feed Tonnes	t	2,448,767	2,448,767
Process Plant Feed Grade	g/t	4.4	4.4
Gold Recovery Overall Percentage	%	97.8%	97.8%
Gold Recovered	oz	337,381	337,381
Gold Recovered- Annual Average over initial 5 yrs	oz	Approx. 65,000 oz	
Operating Cost	AUD M	(350.8)	(355.5)
Sustaining Capital	AUD M	(92.9)	(92.9)
Pre Production Capital	AUD M	(121.3)	(121.3)
Undiscounted Cashflow (before Tax)	AUD M	314.0	427.3
Undiscounted Cashflow (After Tax)	AUD M	287.7	367.3
EBITDA	AUD M	528.2	641.6
EBIT	AUD M	288.8	402.2
NPAT	AUD M	262.6	342.1
C1 Cost	AUD / oz	934 / oz	934 / oz
All-in-Sustaining Cost (AISC)	AUD / oz	1,315 / oz	1,329 / oz
Pre-production CAPEX	AUD M	121.3	121.3
Project NPV (Pre-Tax 8%)	AUD M	235.1	325.7
Project NPV (Post Tax 8%)	AUD M	215.0	279.5
Project IRR (Pre-Tax)	%	95%	124%
Project IRR (Post Tax)	%	91%	116%
Project Payback Period from Production Start	Period	9 Mth(s)	7 Mth(s)
Maximum Project Drawdown (W/C - Working Capital)	AUD M	(121.3) and W/C of (5.3)	(121.3) and W/C of (5.3)
Project Physicals (LOM)	Unit	Stage 1 PFS @ \$2,600 Au Base Case	Stage 1 PFS @ \$2,950 Au Spot Price
Total Movement: Open Pits	bcm	14,025,717	14,025,717
Ore Mined: Open Pits	t	1,964,355	1,964,355
Ore Grade: Open Pit	g/t	4.3 g/t	4.3 g/t
Gold Contained: Open Pit	oz	269,853	269,853
Strip Ratio: Open Pits	x	15.7 x	15.7 x
Ore Mined: Break of Day Underground	t	484,412	484,412
Ore Grade Break of Day Underground	g/t	4.8 g/t	4.8 g/t
Gold Contained: Break of Day Underground	oz	75,197	75,197
Process Plant Feed Tonnes	t	2,448,767	2,448,767
Process Plant Feed Grade	g/t	4.4	4.4
Process Plant Feed Ounces	oz	345,051	345,051
Total Gold Recovered from Processing Plant	oz	337,381	337,381
Ore Fed- Indicated Category		1,722,898 @ 4.8g/t for 258,371 oz rec	1,722,898 @ 4.8g/t for 258,371 oz rec
Ore Fed- Inferred Category		725,869 @ 3.5g/t for 79,010 oz rec	725,869 @ 3.5g/t for 79,010 oz rec

Table 1: Stage 1 Prefeasibility – Cue Gold Project – Key project metrics

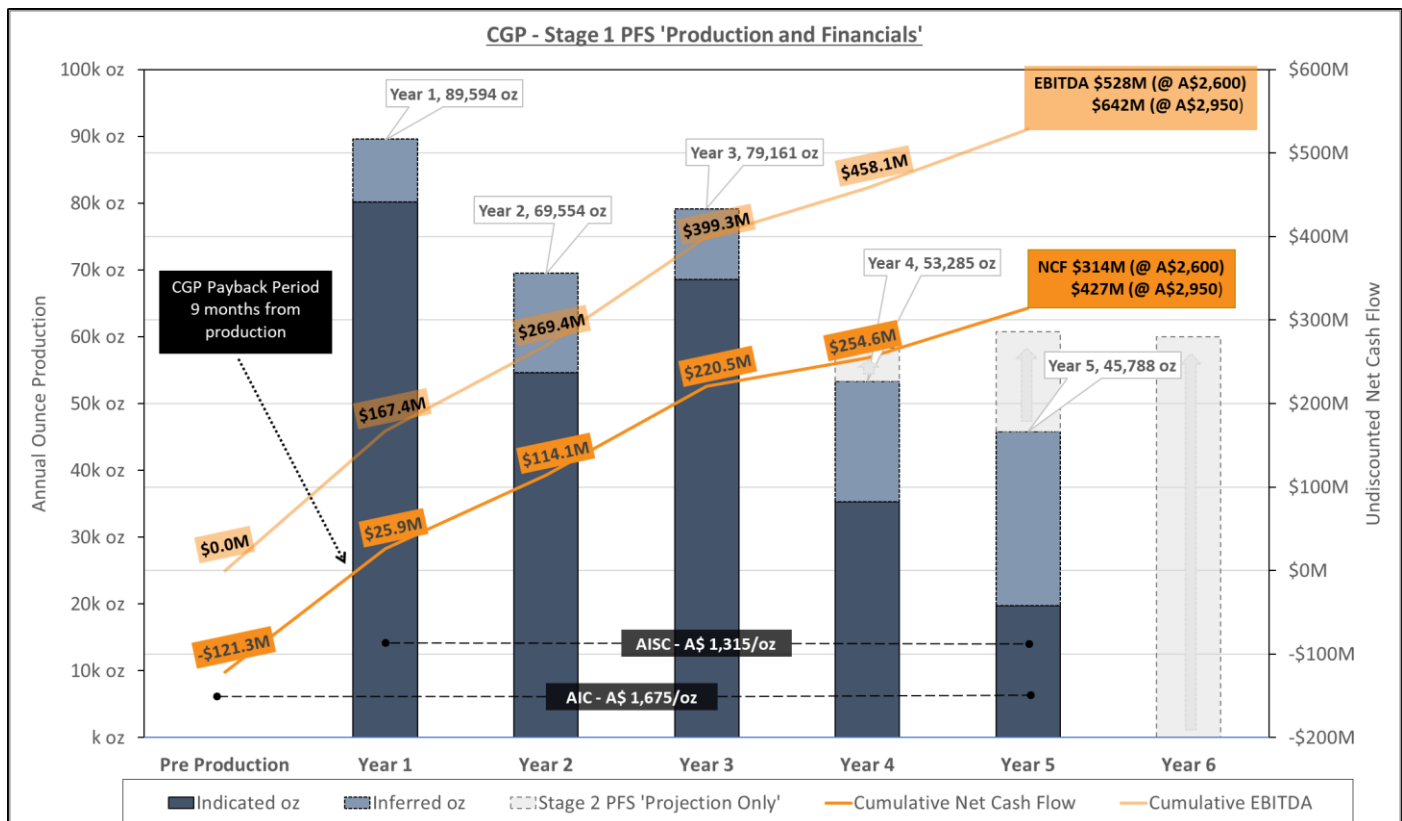


Figure 4: Stage 1 Prefeasibility – Cue Gold Project – Production metrics and key financials

White Heat-Mosaic Deposit (100% MGV)

The White Heat-Mosaic deposit (185kt @ 11.0g/t Au for 65koz contained gold) is a subset of the Break of Day Trend which host a Mineral Resource of **982kt @ 10.4g/t Au for 327koz contained gold**. White Heat is only 300m south of Break of Day and is currently modelled to a maximum depth of 160m (see MGV ASX announcement dated 31 May 2022, "Cue Mineral Resource Increases to 927,000 ounces").

During the quarter the Company received RC drill results from White Heat-Mosaic from drilling undertaken late in the previous quarter. Two new RC drill intersections outside the current Mineral Resource boundary extended the known gold mineralisation up-plunge include:

- 4m @ 5.2g/t Au from 29m (22MORC332) approximately 12m up-plunge of the Mineral Resource boundary
- 9m @ 2.1g/t Au from 20m (22MORC415) extending the Mosaic mineralisation >20m up-plunge beyond the Mineral Resource boundary

(see MGV ASX announcement dated 23 February 2023, "New high-grade lode identified along Break of Day corridor").

White Light Lode - Break of Day (100% MGCV)

The White Light Lode is part of the Break of Day Mineral Resource Estimate (MRE). The mineralisation at Break of Day is defined by multiple individual gold lodes and includes the White Light Lode. Recent extensional drilling has intersected a southeast extension of this lode approximately 20m beyond the Mineral Resource boundary. These new mineralised extensions are not currently in the Stage 1 PFS mining schedule. New intersections include:

- 2m @ 34.7g/t Au from 84m (22MORC406), including:
 - 1m @ 64.3g/t Au from 84m, extending the White Heat lode 20m southeast beyond the current Mineral Resource boundary
- 2m @ 4.5g/t Au from 24m (22MORC407), approximately 20m up dip of the closest intercept
- 2m @ 14.7g/t Au from 100m (22MORC406), identified as a possible new mineralised splay structure off White Light

(see MGCV ASX announcement dated 23 February 2023, "New high-grade lode identified along Break of Day corridor").

Big Sky Deposit (100% MGCV)

Infill and extensional RC drilling at Big Sky, 2km south-west of Lena-Break of Day (Figure 2) on MGCV's 100% owned ground continued during the quarter with the focus on resource extensions and resource conversion (Inferred to Indicated).

The Big Sky deposit hosts 4.65Mt @ 1.2g/t Au for 173koz contained gold. The deposit is currently modelled to a maximum depth of 150m and remains open down dip and along strike on multiple lodes (see MGCV ASX announcement dated 31 May 2022, "Cue Mineral Resource Increases to 927,000 ounces"). The Stage 1 PFS considers mining of 212,800t @ 1.7g/t Au for 11,668oz gold from three small open pits at Big Sky utilising an optimisation based on A\$2,500/oz gold.

During the quarter the Company drilled 9 RC holes for 1,069m at Big Sky and received assay results for 12 RC drill holes completed late in 2022. Results for these holes remain pending. A number of infill holes (Figures 5 and 6) recorded assay values above the average resource grade, with additional mineralisation also identified outside the current Mineral Resource boundary (this drilling is not yet incorporated into the MRE).

Drilling has returned significant results within the current Mineral Resource boundary, but outside the Stage 1 PFS pit designs providing opportunity to potentially expand the open pit footprint in the Stage 2 PFS. Results include:

- 38m @ 1.2g/t Au from 50m (22MORC397), including:
 - 1m @ 17.4g/t Au from 50m (22MORC397), and
 - 8m @ 1.3g/t Au from 80m (22MORC397)
- 2m @ 5.6g/t Au from 21m (22MORC400)

New RC drill hole assay results within the current Stage 1 PFS pit design, extending one of the current mineralised lodes closer to surface, include;

- 5m @ 3.3g/t Au from 7m (22MORC395)

(see MGCV ASX announcement dated 14 February 2023, "Amarillo and Big Sky drilling results, Cue Gold Project").



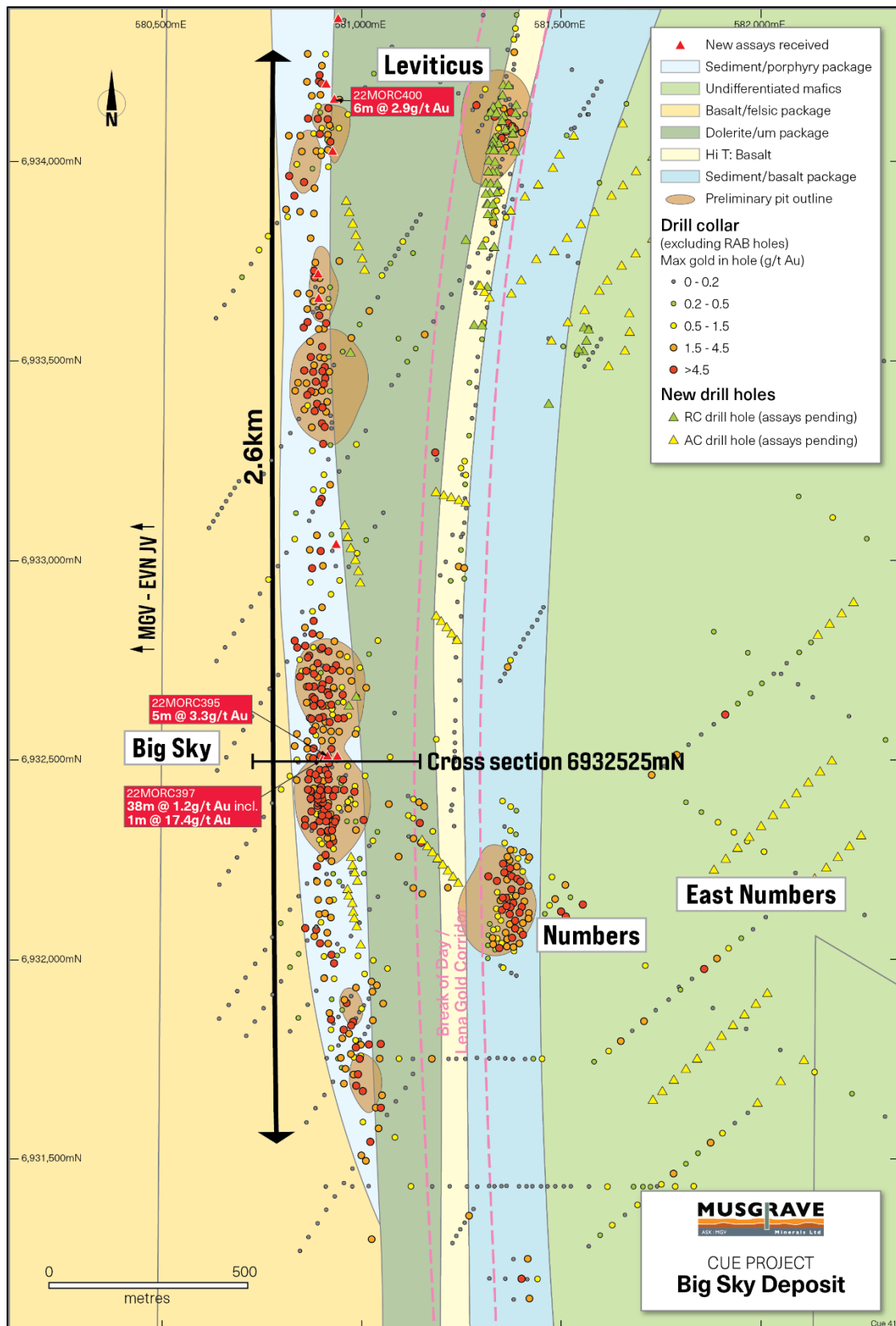


Figure 5: Plan showing new RC drill holes into southern zone at Big Sky. Assays are pending for northern zone drill holes.

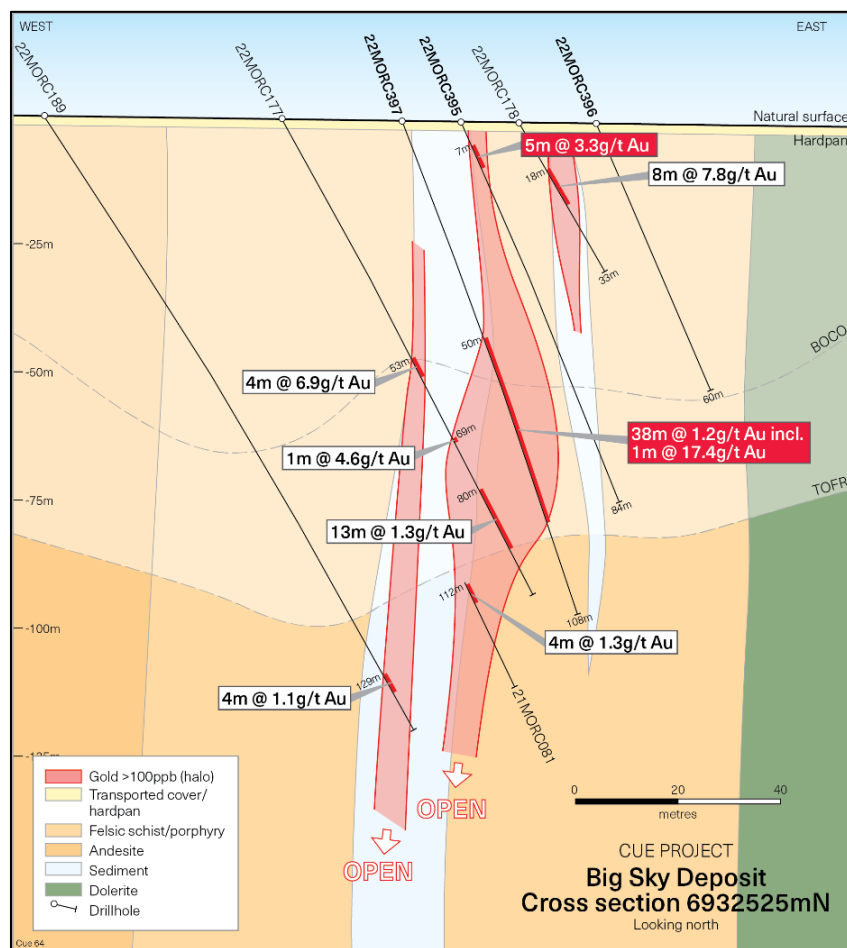


Figure 6: Cross-section 6932525mN showing drill traverse through Big Sky deposit, southern zone. Significantly, there are multiple drill intersections that were drilled post the latest May 2022 resource update. Importantly there is currently no open pit design at A\$2,500 on this section. Following a Mineral Resource update later in 2023, it is anticipated that this area will be included in the Stage 2 PFS LOM plan.

Regional Exploration (100% MGCV)

Drill testing of new target areas is ongoing with an RC drill rig currently on site.

At **Amarillo**, 1.2km south-west of Break of Day (Figure 2) and 800m north of Big Sky, the Company completed 7 RC drill holes for 689m. Amarillo is not part of the Stage 1 PFS but is expected to be incorporated into Stage 2. RC drilling has extended the regolith gold mineralisation with new intersections of:

- 8m @ 4.6g/t Au from 34m (22MORC371), including:
 - 1m @ 21.5g/t Au from 35m
- 6m @ 3.4g/t Au from 48m (22MORC363), and
- 5m @ 3.0g/t Au from 57m (22MORC363)
- 4m @ 1.6g/t Au from 25m (22MORC373)
- 4m @ 2.2g/t Au from 29m (22MORC379)
- 10m @ 2.8g/t Au from 38m (22MORC388)

(see MGCV ASX announcement dated 14 February 2023, "Amarillo and Big Sky drilling results, Cue Gold Project").

A maiden MRE is expected for Amarillo later in 2023.

Two new RC drill holes (for 160m) were completed on the **Waratah** trend, approximately 400m east of Break of Day which runs parallel to the Lena/Break of Day corridor (*Figure 2*). Waratah is not part of the Stage 1 PFS but is expected to be incorporated into Stage 2. The mineralisation is dipping steeply west and hosted within a sequence of chert-rich sediments, ultramafics and dolerites and remains open down plunge. Assay results were received for RC drilling during the December quarter including:

- 3m @ 8.4g/t Au from 43m (22MORC348), including;
 - 1m @ 17.3g/t Au from 44m
- 1m @ 10.2g/t Au from 56m (22MORC334)
- 2m @ 4.0g/t Au from 22m (22MORC339)

As part of the RC drilling campaign completed in December 2022 a number of holes were drilled to test targets **north of Break of Day**. Drilling intersected high-grade gold mineralisation that may represent a new gold lode. The mineralised interval is hosted within the favourable Break of Day, high-titanium basalt stratigraphic unit. The new RC drill intersection is:

- 14m @ 2.8g/t Au from 50m (22MORC413), including:
 - 4m @ 8.2g/t Au from 50m (22MORC413)

The true width of the intersection is not yet confirmed. Follow-up drilling was completed during the quarter (11 holes for 855m). Assays are pending.



Table 2: Total Cue Project Gold Mineral Resources as at 31 May 2022

Deposit	Indicated Resources			Inferred Resources			TOTAL RESOURCES		
	Tonnes '000s	Au g/t	Ounces Au '000s	Tonnes '000s	Au g/t	Ounces Au '000s	Tonnes '000s	Au g/t	Ounces Au '000s
Moyagee – Break of Day High-Grade Trend									
Break of Day	451	12.1	176	346	7.7	86	797	10.2	262
White Heat-Mosaic	116	14.1	52	70	5.8	13	185	11.0	65
SUBTOTAL – Break of Day High Grade Trend	567	12.5	228	416	7.4	99	982	10.4	327
Moyagee Western Trend									
Lena	2,253	1.7	121	2,053	3.1	204	4,305	2.3	325
Big Sky	1,170	1.3	48	3,480	1.1	125	4,650	1.2	173
Leviticus	-	-	-	42	6.0	8	42	6.0	8
Numbers	438	1.4	19	378	1.3	16	817	1.3	35
SUBTOTAL – Western Trend	3,861	1.5	188	5,953	1.8	353	9,815	1.7	541
SUBTOTAL – Southern Area	4,427	2.9	417	6,369	2.2	452	10,797	2.5	868
Eelya									
*Hollandaire Cu-Au (Total)	2,179	0.3	21	605	0.4	8	2,784	0.3	29
*Hollandaire Cu-Au (MGV Attributable)	436	0.3	4	121	0.4	2	557	0.3	6
Hollandaire Gold Cap	197	1.3	9	62	1.2	2	260	1.3	11
Rapier South				258	1.7	14	258	1.7	14
SUBTOTAL - Eelya	633	0.6	13	441	1.3	18	1,075	0.9	31
Tuckabianna									
Jasper Queen	-	-	-	332	1.7	19	332	1.7	19
Gilt Edge	69	2.6	6	34	3.6	4	102	2.9	10
SUBTOTAL - Tuckabianna	69	2.6	6	365	1.9	23	434	2.0	28
SUBTOTAL – Northern Area	702	0.8	18	806	1.6	41	1,509	1.2	59
GRAND TOTAL	5,129	2.6	435	7,175	2.1	492	12,306	2.3	927

(see MGV ASX announcement 31 May 2022, “Cue Mineral Resource Increases to 927,000 ounces”)

* Note 1: The Hollandaire Cu-Au Resource Estimate is on 100% basis (MGV has a 20% attributable interest in the Hollandaire Cu-Au deposit, free carried to completion of DFS). Totals and sub-totals are on an attributable interest basis. Gold mineralisation not associated with the copper resource at Hollandaire, is 100% attributable to MGV (Hollandaire Gold Cap) and is also reported in compliance with JORC 2012.

Note: Due to the effects of rounding, the totals may not represent the sum of all components.

Competent Person's Statement Mineral Resources

The information in this report that relates to Mineral Resources for the Break of Day, Lena, White Heat-Mosaic, Big Sky, Numbers, Leviticus, Jasper Queen, Gilt Edge, Rapier South and the Hollandaire Gold Cap deposits is based on information compiled by Mr Paul Payne, a Competent Person who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Payne is a full-time employee of Payne Geological Services. Mr Payne has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources for the Hollandaire Copper-Gold deposit is an accurate representation of the available data and is based on information compiled by external consultants and Mr Peter van Luyt a competent person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” who is a member of the Australian Institute of Geoscientists (2582). Mr van Luyt is the Chief Geologist of Cyprium Metals Limited. Mr van Luyt has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and the activity which he is undertaking to qualify as a Competent Person (CP). Mr van Luyt consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Evolution Joint Venture (EVN 75%: MGV 25%)

The Lake Austin area, part of the Evolution Mining Limited (Evolution) Exploration Joint Venture (*Figure 7*) is along strike from Musgrave's 100% owned Cue Gold Project and is highly prospective for gold.

Evolution satisfied the earn-in requirement to earn a 75% interest in the joint venture by sole funding A\$18M on exploration. Evolution is the operator of the JV and is managing the ongoing drilling programs.

Works for the quarter focused on rehabilitation of drill sites and access tracks from the 2022 drilling program.

The existing gold resources on the Cue Gold Project together with the Mainland option area are excluded from the Evolution JV.

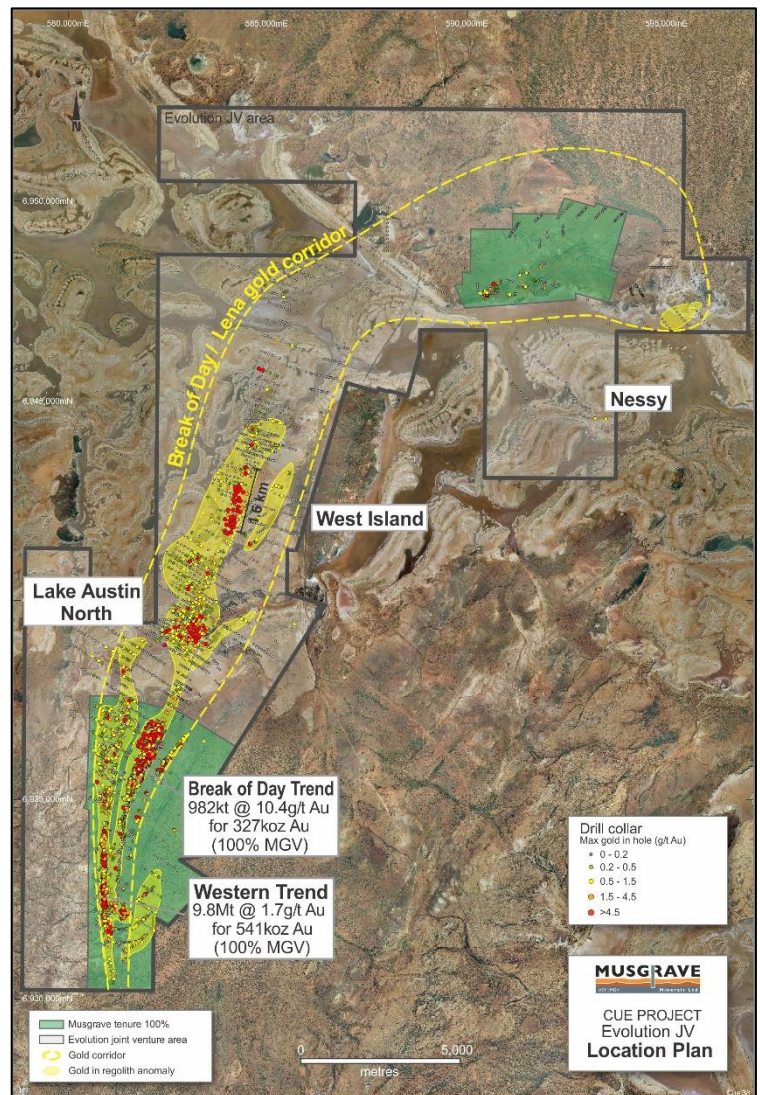


Figure 7: Location plan showing Musgrave's wholly owned tenure (in green) and Evolution JV tenure with drill hole locations. Maximum gold in hole is presented as a gradational colour scheme at the hole collar.

Mt Magnet South Project (100% MGV)

In March 2022, Musgrave Exploration Pty Ltd, a wholly owned subsidiary of Musgrave Minerals Limited, entered into a sale and purchase agreement with private company Eastern Goldfields Exploration Pty Ltd to acquire a 100% interest in 297km² of tenure (*Figure 1*) south of Mt Magnet (Mt Magnet South Project). The project area covers the southern extensions of the Hill 50 and Latecomer faults that are associated with the Hill 50, Galaxy and Morning Star gold deposits at Mt Magnet and has had very little historical drilling.

Regional surface geochemical sampling programs have commenced over key target areas where regolith conditions are amenable to this exploration technique. The results of this work are expected in coming months with follow-up drilling expected in Q3 CY2023.

Other Projects

The Company currently holds tenement applications in the Musgrave region of South Australia. There was no activity on the Musgrave region tenements during the quarter.

Musgrave has a joint venture with Cyprium Australia Pty Ltd (Cyprium) (ASX: CYM) for the non-gold rights over the northern Cue tenure, including the Hollandaire copper deposit. Cyprium has earned an 80% interest in the non-gold rights over this area. There was no significant exploration by Musgrave on these non-core tenements during the quarter.

Ongoing Activities

Musgrave 100% Projects

- RC drilling results for Leviticus expected early-mid May.
- RC drilling results for the Break of Day North target and Big Sky, Amarillo extensions expected late May.
- Aircore drilling results from new target areas expected late May.
- Infill RC drilling results for Break of Day and Lena expected early June.
- Stage 2 Prefeasibility Study activities commenced.

Evolution JV

- Evolution holds 75% (MGV 25%) of the Joint Venture and is operator.
- Drill site rehabilitation is expected to be completed in Q2 CY2023.
- A data review is ongoing.
- Musgrave is currently contributing pro-rata costs to the JV for statutory and rehabilitation expenses.



Notes Specific – March 2023 Quarter ASX Releases

Additional details including JORC 2012 reporting tables, where applicable, can be found in the ASX announcements referenced in this report and in the following announcements lodged with the ASX during the quarter:

- 17 April 2023, “Stage 1 PFS Presentation – Cue Gold Project”
- 17 April 2023, “Stage 1 PFS demonstrates potential value of Cue Gold Project”
- 24 March 2023, “Cue Project – 3D Interactive Model and PFS Update”
- 10 March 2023, “Half Year Accounts”
- 8 March 2023, “Company Presentation Euroz Hartleys Conference”
- 23 February 2023, “New high-grade lode identified along Break of Day corridor”
- 14 February 2023, “Company Presentation – RIU Explorers Conference”
- 14 February 2023, Amarillo and Big Sky drilling results, Cue Gold Project”
- 31 January 2023, “Quarterly Activities & Cashflow Report”
- 24 January 2023, “Further gold intersections, West Island, Cue JV”
- 12 January 2023, “Evolution satisfies earn-in milestone Cue JV”

Approved for release by the Board of Musgrave Minerals Ltd.

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About Musgrave Minerals

Musgrave Minerals Limited is an active Australian gold explorer and developer. Musgrave’s mission is to safely and responsibly deliver exploration success and advance development opportunities to build a profitable gold mining business at Cue for the benefit of our shareholders and the communities within which we operate.

The Cue Project in the Murchison region of Western Australia is an advanced gold project with robust technical and financial metrics. Musgrave has had significant exploration success at Cue and recently delivered a Stage 1 Prefeasibility Study (PFS). The current focus is on increasing the gold resources through discovery and extensional drilling to underpin a Stage 2 PFS that will add mine life and demonstrate a viable path to near-term development. Musgrave also holds a large exploration tenement package near Mt Magnet in Western Australia and in the Ni-Cu-Co prospective Musgrave Province of South Australia.

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Exploration Results

The information in this report that relates to Exploration Targets and Exploration Results is based on information compiled and/or thoroughly reviewed by Mr Robert Waugh, a Competent Person who is a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM) and a Member of the Australian Institute of Geoscientists (AIG). Mr Waugh is Managing Director and a full-time employee of Musgrave Minerals Ltd. Mr Waugh has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Waugh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

This document may contain certain forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Musgrave Minerals Limited’s (Musgrave’s) current expectations, estimates and projections about the industry in which Musgrave operates, and beliefs and assumptions regarding Musgrave’s future performance. When used in this document, words such as “anticipate”, “could”, “plan”, “estimate”, “expects”, “seeks”, “intends”, “may”, “potential”, “should”, and similar expressions are forward-looking statements. Although Musgrave believes that its expectations reflected in these forward-looking statements are reasonable, such statements are subject to known and unknown risks, uncertainties and other factors, some of which are beyond the control of Musgrave and no assurance can be given that actual results will be consistent with these forward-looking statements.

Tenement information in accordance with Listing Rule 5.3.3

As at 31 March 2023

Tenement ID	Project	State	Status	MGV Interest	Tenement ID	Project	State	Status	MGV Interest
E21/129	Cue	WA	Granted	25% (EVN JV)	P21/735	Cue	WA	Granted	100%
E21/177	Cue	WA	Granted	25% (EVN JV)	P21/736	Cue	WA	Granted	100%
E21/194	Cue	WA	Granted	25% (EVN JV)	P21/739	Cue	WA	Granted	100%
E21/200	Cue	WA	Granted	25% (EVN JV)	P21/741	Cue	WA	Granted	100%
E21/204	Cue	WA	Granted	25% (EVN JV)	E58/473	Mt Magnet South	WA	Granted	100%
E21/207	Cue	WA	Granted	25% (EVN JV)	E58/524	Mt Magnet South	WA	Granted	100%
E21/208	Cue	WA	Granted	25% (EVN JV)	E59/2157	Mt Magnet South	WA	Granted	100%
M21/106	Cue	WA	Granted	100% (EVN JV 25% in part)	E59/2448	Mt Magnet South	WA	Granted	100%
M21/107	Cue	WA	Granted	25% (EVN JV)	P58/1683	Mt Magnet South	WA	Granted	100%
E58/507	Cue	WA	Granted	25% (EVN JV)	P58/1694	Mt Magnet South	WA	Granted	100%
E21/144	Cue	WA	Granted	100%	P58/1695	Mt Magnet South	WA	Granted	100%
E58/335	Cue	WA	Granted	100%	P58/1696	Mt Magnet South	WA	Granted	100%
M58/224	Cue	WA	Granted	100%	P58/1707	Mt Magnet South	WA	Granted	100%
M58/225	Cue	WA	Granted	100%	P58/1725	Mt Magnet South	WA	Granted	100%
P58/1709	Cue	WA	Granted	100%	P58/1738	Mt Magnet South	WA	Granted	100%
P58/1710	Cue	WA	Granted	100%	P58/1808	Mt Magnet South	WA	Granted	100%
E20/606	Cue	WA	Granted	20% & 100% gold only	P58/1809	Mt Magnet South	WA	Granted	100%
E20/608	Cue	WA	Granted	20% & 100% gold only	P58/1810	Mt Magnet South	WA	Granted	100%
E20/616	Cue	WA	Granted	20% & 100% gold only	P58/1811	Mt Magnet South	WA	Granted	100%
E20/629	Cue	WA	Granted	20% & 100% gold only	P58/1812	Mt Magnet South	WA	Granted	100%
E20/630	Cue	WA	Granted	20% & 100% gold only	P58/1830	Mt Magnet South	WA	Granted	100%
E20/659	Cue	WA	Granted	20% & 100% gold only	P58/1853	Mt Magnet South	WA	Granted	100%
E20/836	Cue	WA	Granted	20% & 100% gold only	P58/1854	Mt Magnet South	WA	Granted	100%
E20/698	Cue	WA	Granted	20% & 100% gold only	EL2008/154	Musgrave	SA	Application	100%
E20/699	Cue	WA	Granted	20% & 100% gold only	EL1996/340	Musgrave	SA	Application	100%
E20/700	Cue	WA	Granted	20% & 100% gold only	EL1996/341	Musgrave	SA	Application	100%
M20/225	Cue	WA	Granted	20% & 100% gold only	EL1996/342	Musgrave	SA	Application	100%
M20/245	Cue	WA	Granted	20% & 100% gold only	EL1996/534	Musgrave	SA	Application	100%
M20/277	Cue	WA	Granted	20% & 100% gold only	EL1997/040	Musgrave	SA	Application	100%
M20/526	Cue	WA	Granted	20% & 100% gold only	EL1997/143	Musgrave	SA	Application	100%
P20/2279	Cue	WA	Granted	20% & 100% gold only	EL1997/144	Musgrave	SA	Application	100%
M58/366	Cue	WA	Granted	100%	EL1997/186	Musgrave	SA	Application	100%
M58/367	Cue	WA	Granted	100%	EL1997/297	Musgrave	SA	Application	100%
L20/57	Cue	WA	Granted	100%	EL1997/321	Musgrave	SA	Application	100%
L58/42	Cue	WA	Granted	100%	EL1997/468	Musgrave	SA	Application	100%
P21/731	Cue	WA	Granted	100%	EL2001/031	Musgrave	SA	Application	100%
P21/732	Cue	WA	Granted	100%	EL1996/260	Musgrave	SA	Application	100%
P21/737	Cue	WA	Granted	100%	EL1996/262	Musgrave	SA	Application	100%

Appendix 5B

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

Name of entity

MUSGRAVE MINERALS LIMITED

ABN

12 143 890 671

Quarter ended ("current quarter")

31 MARCH 2023

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 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	(59)	(396)
	(e) administration and corporate costs	(223)	(642)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	79	148
1.5	Interest and other costs of finance paid	(1)	(4)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other – Net advances from JV partner	(5)	(19)
1.9	Net cash from / (used in) operating activities	(209)	(913)

2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	(49)	(61)
	(d) exploration & evaluation	(2,512)	(7,642)
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 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)	-	-
2.6	Net cash from / (used in) investing activities	(2,561)	(7,703)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	10,117
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	361
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	(616)
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 – ROU lease payments	(23)	(67)
3.10	Net cash from / (used in) financing activities	(23)	9,795

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	14,608	10,636
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(209)	(913)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(2,561)	(7,703)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(23)	9,795

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

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	11,815	11,815

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	2,719	11,012
5.2	Call deposits	9,096	3,596
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)	11,815	14,608

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	146
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>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.</i>		

7.	Financing facilities <i>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.</i>	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)	(209)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(2,512)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(2,721)
8.4	Cash and cash equivalents at quarter end (item 4.6)	11,815
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	11,815
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	4.3
<p><i>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.</i></p>		
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?	
	<div style="border: 1px solid black; padding: 5px; min-height: 30px;"> Answer: N/A </div>	
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?	
	<div style="border: 1px solid black; padding: 5px; min-height: 30px;"> Answer: N/A </div>	
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?	
	<div style="border: 1px solid black; padding: 5px; min-height: 30px;"> Answer: N/A </div>	
<p><i>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.</i></p>		

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: 28 April 2023

Authorised by: The Board
(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.