

**ASX ANNOUNCEMENT**

# Quarterly Activities Report

## For the period ending 30 September 2022

28 October 2022

**ASX: DEG**

**BOARD &  
MANAGEMENT**

**Non-Executive  
Chairman**  
Simon Lill

**Managing Director**  
Glenn Jardine

**Technical Director**  
Andy Beckwith

**Non-Executive  
Directors**  
Peter Hood AO  
Paul Harvey

**Company Secretary**  
Craig Nelmes

**CFO**  
Peter Canterbury

**General Manager  
Exploration**  
Phil Tornatora



**Highlights:**

Mallina Gold Project (MGP or Project) Prefeasibility Study (PFS) released which included a maiden JORC Probable Ore Reserve for Hemi

■ **Production Profile and Maiden Reserve**

- Average total annual gold production of 540,000ozpa over the first 10 years
- Total production of 6.4Moz over a 13.6 year life of mine
- Maiden Hemi JORC Probable Ore Reserve of 103Mt @ 1.5g/t Au for 5.1Moz

■ **Financial Metrics - Unleveraged**

- Net Present Value (NPV<sub>5%</sub>) of \$3.9 billion pre-tax and \$2.7 billion post-tax
- Internal Rate of Return (IRR) of 51% pre-tax and 41% post-tax
- Payback of 1.6 years pre-tax and 1.8 years post-tax
- Average All-in Sustaining Cost (AISC) of \$1,220/oz in years 1 to 5 and \$1,280/oz in years 1 to 10
- Capital cost for the 10Mtpa plant and site infrastructure estimated to be \$985 million. Additional mine preproduction pre-strip capital cost of \$68 million

■ **Processing**

- Nameplate plant throughput of 10Mtpa for the comminution, flotation and CIL circuits with pressure oxidation circuit throughput of 0.8Mtpa
- Average processing recovery of 93.6% over the life of mine

■ **Exploration**

- In August 2022 the company announced that HEDD128 diamond drill hole at Diucon had intersected 359.4m @ 1.2g/t Au from 530m downhole comprising:
- **97.1m @ 2.6g/t Au** from 580.92m including **19.3m @ 7.4g/t Au** and **2m @ 22.5g/t Au**

■ **Corporate**

- Mr. Paul Harvey, an experienced resources executive, with operational and project leadership was appointed to the Board as an additional Independent Non-Executive Director on 4 July 2022
- Mr. Jeffrey Bruce Parncutt AO and Mr. Eduard Eshuys resigned from the Board of De Grey on 7 and 8 September 2022 respectively
- Following the end of the quarter Ms. Samantha Hogg resigned from the Board on 17th October 2022
- The Company had \$36.9m in cash reserves and no debt at the end of the quarter
- Post reporting period fully underwritten institutional placement of A\$130m completed and together with Share Purchase Plan of approximately \$20m to fund the Company through to a Final Investment Decision (FID).
- Following settlement of the institutional placement, the Company was well funded with an approximate cash balance of \$155m

## Mallina Gold Project

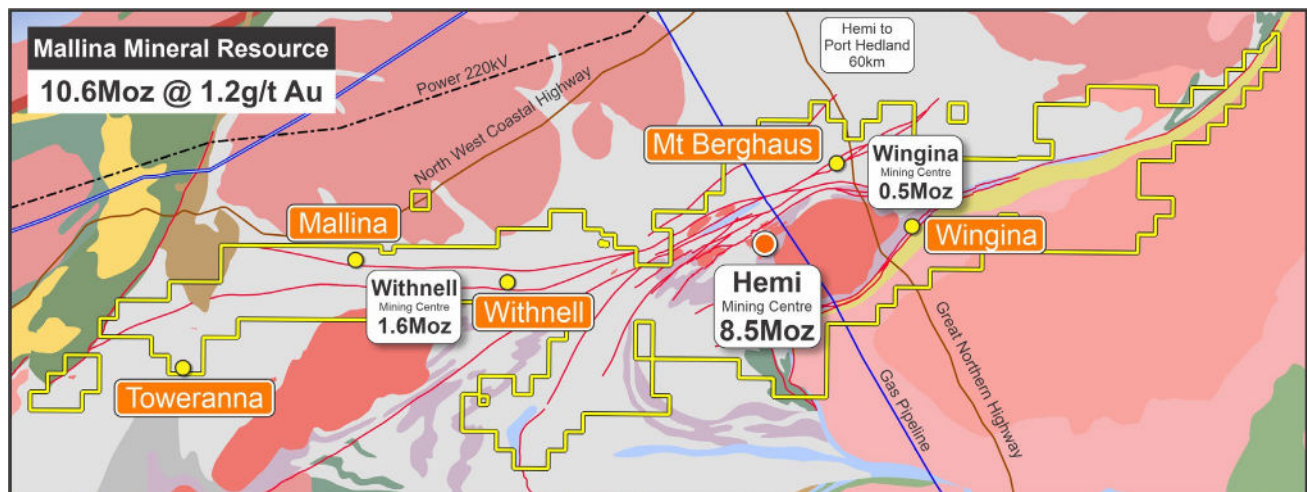
**Hemi is a Tier 1 gold discovery in a Tier 1 jurisdiction with world class infrastructure at its doorstep.** Hemi is positioned in the central region of the Company's 1,500km<sup>2</sup> Mallina Gold Project (**MGP or Project**) and is favourably located within 10km of two major sealed highways, approximately 5km from a gas pipeline and less than 30km from a major electricity transmission line.

**By end of the September quarter 2022, the Company's had successfully completed the Project PFS and released the Maiden Hemi JORC Probable Ore Reserve**

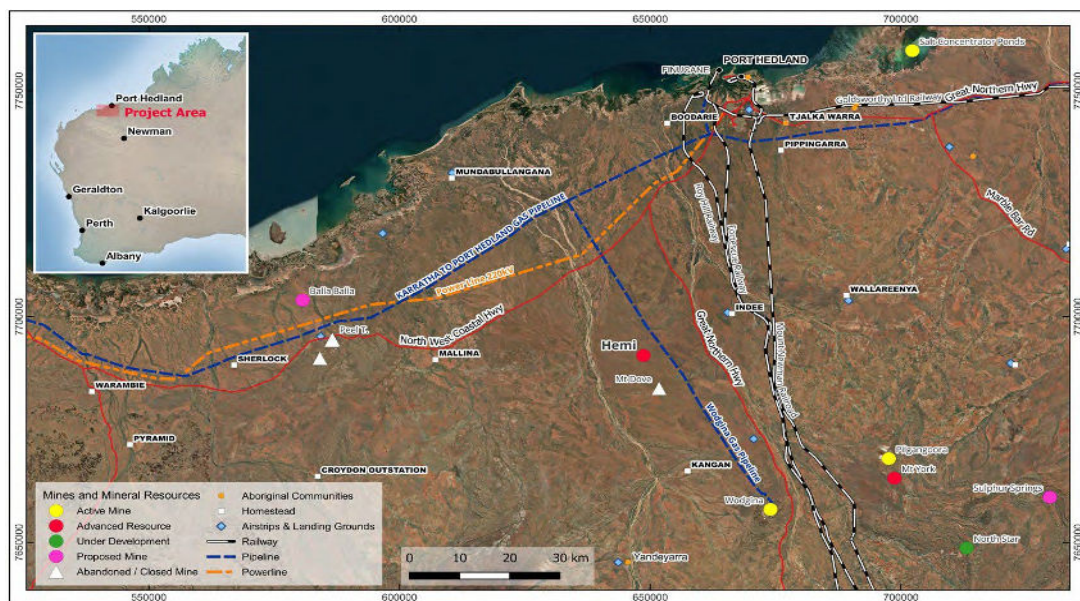
**The Company's current focus is:**

- Commencement of a DFS in parallel with formal project construction funding discussions
- Project FID proposed for mid-2023, subject to statutory approvals
- Further catalysts for value accretion through continued de-risking of the project through project financing, DFS, project approvals and potential new discoveries

**Figure 1 Mallina Gold Province showing main gold deposits and the Hemi Discovery**



**Figure 2: Hemi Deposits and Regional Deposits Location Map**



## Maiden Hemi JORC Probable Reserve

The maiden Hemi Ore Reserve leveraged off the Hemi Mineral Resource update announced in May 2022 of 8.5Moz @ 1.2g/t Au of which 5.8Moz @ 1.3g/t Au were classified as JORC Indicated. This increase and the high conversion rate of the Indicated Resource to Probable Reserve was achieved by targeted resource definition drilling within preliminary pit shell optimisations which were regularly conducted over the Hemi deposits during the PFS.

The maiden Hemi JORC Probable Reserve of 5.1Moz @ 1.5g/t Au is one of the largest and highest grade maiden Reserves in recent decades from Australia.

**Table 1 – Hemi Maiden JORC Probable Reserve**

| Mining Centre      | Type       | Proved |        |     | Probable |        |       | Total |        |       |
|--------------------|------------|--------|--------|-----|----------|--------|-------|-------|--------|-------|
|                    |            | Mt     | Au g/t | Koz | Mt       | Au g/t | Koz   | Mt    | Au g/t | Koz   |
| Hemi Mining Centre | Oxide      | -      | -      | -   | 7.3      | 1.7    | 403   | 7.3   | 1.7    | 403   |
|                    | Transition | -      | -      | -   | 6.0      | 1.7    | 329   | 6.0   | 1.7    | 329   |
|                    | Sulphide   | -      | -      | -   | 90.1     | 1.5    | 4,408 | 90.1  | 1.5    | 4,408 |
|                    | Total      | -      | -      | -   | 103.4    | 1.5    | 5,139 | 103.4 | 1.5    | 5,139 |

## Mallina Gold Project PFS

On 8 September 2022 the Company released the results of the PFS into the MGP. This followed on from the release of the Scoping Study in October 2021 and was targeting material improvements in annual gold production rate, grade, mine life, confidence levels and project economics from that initial study.

## Project Highlights



**A future top 5 Australian Gold Mine**  
based on production



Total production **6.4Moz over 13.6 years**



**Mining physicals**  
**136Mt @ 1.6g/t Au**  
processed at 93.6% recovery

**Annual production**  
550koz: first 5 years  
540koz: first 10 years





**Maiden Ore Reserve**  
**5.1Moz @ 1.5g/t Au**

**Plant throughput**



**10Mtpa**



The capital cost excludes the cost of an oxygen plant. Oxygen is planned to be supplied to the POx plant under contract. The location of the project to world class Pilbara infrastructure has significantly reduced capital costs, project complexity and timelines.



### Undiscounted free cash flow



**\$5,900M:** pre-tax  
**\$4,200M:** post-tax

**NPV<sub>5%</sub>**

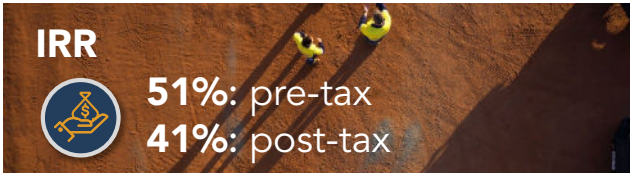
**\$3,900M:** pre-tax  
**\$2,700M:** post-tax



### IRR



**51%:** pre-tax  
**41%:** post-tax



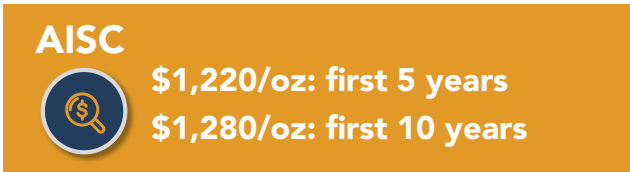
### Pre-production capital

**\$985M** cost of plant and infrastructure including \$100M growth allowance plus  
**\$68M** pre-stripping cost

### AISC



**\$1,220/oz:** first 5 years  
**\$1,280/oz:** first 10 years



**Unleveraged  
 payback  
 period**

**1.6 years:** pre-tax  
**1.8 years:** post-tax

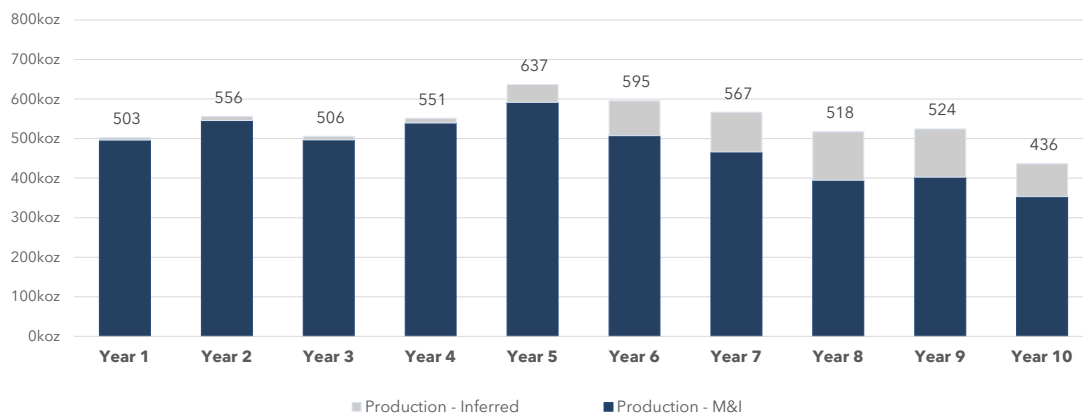


## Production

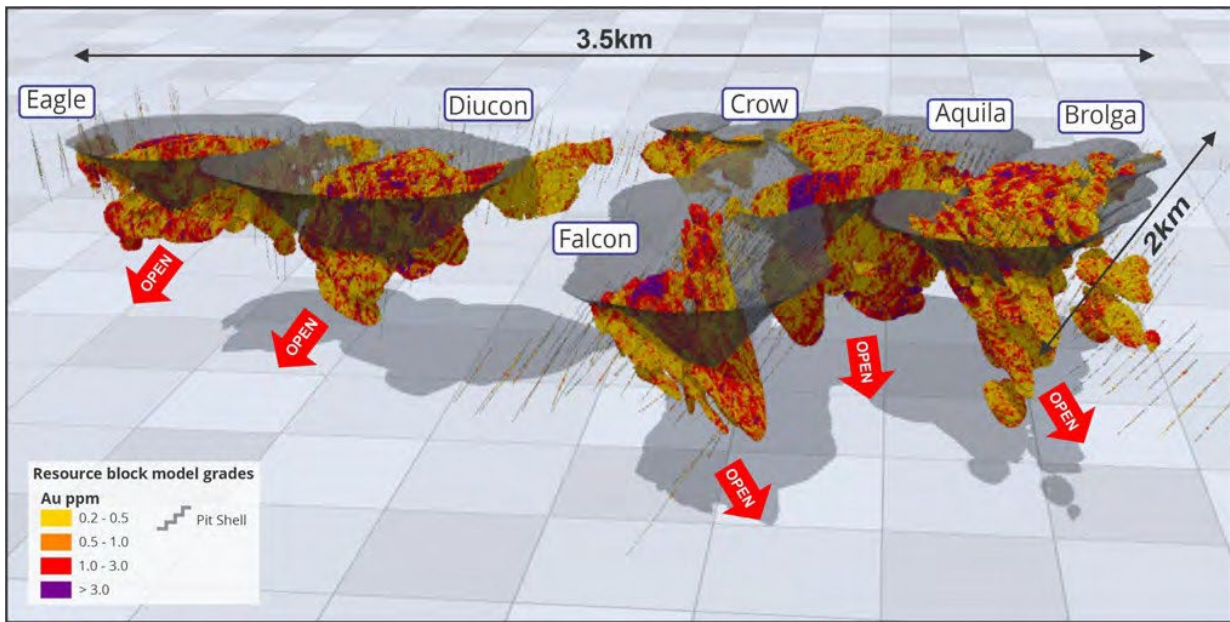
The production profile of the Project demonstrates an annual production range up to approximately 637,000 ounces in year five, with average production of 550,000 ounces over the first five years and 540,000 ounces per annum over the first 10 years (Figure 6). Production from the Hemi Mining Centre is sourced from six deposits; Aquila, Brolga, Crow, Falcon and Diucon and Eagle (Figure 7).

Production over the first five years is achieved with 97% coming from JORC Measured and Indicated resource classifications and over the first 10 years coming from 89% JORC Measured and Indicated resource classifications. JORC Measured and Indicated resources comprise 87% of the overall PFS production outcome of 6.4Moz. The Hemi deposits comprise approximately 97% of production over the first five years, 85% of production over the first 10 years and 83% of the overall PFS production outcome of 6.4Moz.

**Figure 6: PFS Production Profile years 1-10**



**Figure 7: Hemi Open Pit Layout**



#### ■ ESG

- Extensive environmental baseline studies and testwork have been conducted across the Project since 2020
- Widespread community and traditional custodian engagement has been conducted including social impact assessments of the Project
- Engagement with the Kariyarra people on an agreement which provides employment, training, community programs and other benefits
- Heritage clearances have been completed over the Project development and operations area
- The decarbonisation plan forecasts the operation commencing at approximately 0.6 tonnes of CO<sub>2</sub> per annual ounce of gold production (t.CO<sub>2</sub>/ozpa) and reducing to approximately 0.3t.CO<sub>2</sub>/ozpa by 2030 with further reductions in carbon intensity to be pursued
- Early adoption of grid based renewable energy planned with multiple options emerging within the North West Interconnected System

#### **Project Positioning**

The PFS has identified that the Project will have potential:

- Annual gold production in the top five Australian gold operations
- Lowest capital intensities of any large scale undeveloped gold project on a global basis and a low sensitivity to capital cost increases
- Lowest quartile AISC operating costs
- Low carbon intensity per ounce of production compared with open pit gold mines in Australia

The Project would be a low-cost producer compared with current Australian producing gold mines, with a projected average AISC of \$1,220/oz over the first five years and \$1,280/oz over the first 10 years, placing the Project in the lowest quartile of Australian producing gold mines with production above 200,000ozpa. Increases in unit mine operating costs on a per tonne basis due increased strip ratio and the current inflationary environment have been offset by increased annual gold production rates. The increase in strip ratio follows the completion of a detailed geotechnical study supported by extensive geotechnical drilling.

## Exploration

During the quarter the exploration activities were scaled back with the Company reducing to two Diamond drill rigs from early July 2022. Field mapping, pulp re-assays and geophysical work were the focus in the regional areas whilst the drilling activities at Hemi were focussed on extensions to the Hemi deposits.

On 1 August 2022 the company announced that HEDD128 diamond drill hole had intersected **359.4m @ 1.2g/t Au from 530m** downhole comprising intervals calculated at a 0.3g/t Au cut-off grade of:

- **97.1m @ 2.6g/t Au** from 580.92m including **19.3m @ 7.4g/t Au** and **2m @ 22.5g/t Au**
- **44.8m @ 1.4g/t Au** from 762.46m
- **67.4m @ 1.0g/t Au** from 861.74m including **16.1m @ 2.8g/t Au**

The result in HEDD128 intersected gold mineralisation at Diucon ~200m below the May 2022 Mineral Resource Estimate (MRE) and presents significant upside to the MRE with results from HEDD128 received after the MRE assay cut-off date of 4 April 2022.

The PFS for the Mallina Gold Project is based on the May MRE and the new result in HEDD128 and other new extensional drill results at Diucon provide the opportunity to increase open pit and underground production potential post the PFS. New extensional drill results, calculated at a 0.5g/t Au cut-off grade, in addition to HEDD128 include:

- **13.3m @ 1.6g/t Au** from 439.77m in HEDD072
- **26m @ 1.4g/t Au** from 270m in HEDD162
- **10.7m @ 1.9g/t Au** from 444.28m in HEDD361
- **26.9m @ 1.9g/t Au** from 485.03m in HEDD361
- **13m @ 3.2g/t Au** from 523.05m in HEDD400

The intrusion hosted mineralisation intersected in HEDD128 occurs beneath lightly mineralised sediments that extend to a depth of approximately 100m. This demonstrates the potential for the discovery of significant zones of hidden intrusion hosted mineralisation at Hemi and Greater Hemi where there is an abundance of near surface gold anomalism.

## Environmental Studies

An Exploration Environmental Management Plan (EEMP) has been developed and is expected to be lodged in the December'22 quarter with the Department of Mines, Industry, Resources and Safety (DMIRS).

All field work relating to environmental technological and biological surveys and studies has been completed on time, on budget and without incident.

A pre-referral meeting was held with representatives from the federal Department of Climate Change, Energy, the Environment and Water (DCCEEW).

## Health and Safety

The Company's Health and Safety performance continues to improve across all key performance indicators, with a single Lost Time Injury in the 12 months to the end of September 2022 leading to an LTIFR of 2.41. Close out rates (closed within 30 days) for hazard and incident reports are at historically high levels (>90%) and have contributed to the Company's objective of providing an injury free workplace. This objective is further supported by the ongoing implementation of the WHS Management System and complementary systems to ensure appropriate supervision, training and competency frameworks are delivered across the workforce.

During the quarter development of the Health and Safety Management System was completed and made available across all parts of the business. Implementation of the system is scheduled for completion during 2023. The continued focus on hazard and near miss reporting supports the Company's objectives of an injury free workplace, with no significant injuries reported during the quarter. The LTIFR for De Grey decreased to 2.12 against a target of 0.00, with the rating attributable to a lost time injury in the June quarter. Close out rates for hazard and incident reports have substantially risen with the stated aim of closing out the majority of reports within 30 days.

## COVID-19

The Company's COVID-19 screening, and surveillance program has continued to be effective in restricting COVID-19 infection rates at the MGP. A total of 21 cases of COVID-19 were detected at site throughout the quarter, but the reduction in the mandatory isolation period has seen a diminishing impact on operations, with days lost due to COVID-19 isolations significantly lower than in the previous quarter. Importantly there have been no verified cases of onward transmission at the MGP from affected employees. Recorded infection rates for De Grey employees at 53% of the overall employee numbers exceed those for the broader Western Australian community which were around 43% at the end of the quarter. This result is likely due to the Company's more robust reporting processes.

## Community Relations

During the quarter, community engagement activity continued to be a focus for the Company and included De Grey's second Town Hall meeting, held in Port Hedland and attended by members of the public, local business owners and representatives from government and industry.

A significant heritage program has been completed across Hemi and regional deposits with all proposed Hemi pits and project infrastructure now surveyed to the highest possible level.

Formal negotiations with the Kariyarra Aboriginal Corporation regarding a Native Title Mining Agreement continued during the quarter with all terms now in agreeance by both parties and execution expected in the December quarter.

## Corporate

### Cash Position and Quarterly Cash flows

The Company ended the quarter in a healthy cash position with cash reserves of **A\$36.9** million.

During the September quarter 2022:

- Net cash used in exploration activities totalled \$24 million, with full details of the exploration activity during the quarter set out in this report;
- Payments to related parties of the Company and their associates for Executive and Non-Executive Director fees, including (where applicable) superannuation, totalled ~\$409,000; and
- Further details with respect to Consolidated quarterly cash flows are available in the Appendix 5B.

Exploration drilling expenditure was reduced at the end of the quarter to reflect the focus on project development and in response to general market conditions.

After the end of the quarter the company completed a successful institutional placement of A\$130m before costs and also announced a Share Purchase Plan (**SPP**) targeting a further approximate A\$20m equity raising. Following completion of the SPP, the Company will be fully funded through to completion of a DFS in respect of Hemi (currently scheduled for mid year 2023) and a subsequent Final Investment Decision. The SPP is not underwritten and there is no guarantee that the Company will raise the targeted amount of A\$20 million. In the event the Company receives valid applications under the SPP in excess of the targeted amount, the Company may, in its absolute discretion, raise more than the target or may scale back the number of New Shares issued under the SPP.

## Corporate Values

De Grey implemented their corporate Values aligned to the company vision in the quarter.

The Values were developed through an engagement process with the workforce where we identified the behaviours that encompass our entrepreneurial spirit and make De Grey a great place to work.

The business identified six core values and expected behaviours which we believe reflect who we are as a Company.

These values are:

- Empathy
- Safety
- Personal Responsibility
- Respect all Levels
- Integrity and
- Thinking Differently.

These values form the acronym ESPRIT which fittingly is a word that means liveliness of mind and spirit – something we strive for as a company.

## Appointment of Paul Harvey to the Board of Directors

On 2 July 2022, Mr. Paul Harvey was appointed to the board as an Independent Non-Executive Director.

Mr. Harvey has had a distinguished executive career with operational and projects leadership, with over 35 years global experience in the resources sector includes significant executive roles across global multi-commodity portfolios (including gold) with a strong focus and accountability on operations, major capital project development and construction as Chair and Director of a number of international Joint Ventures.

His recent experiences include leadership positions at South32 (2015 – 2020) including four years as Chief Operating Officer with accountability for global manganese, base metals, coal for steel operations and all supporting technical and project functions. Prior to that he acted as the Chief Transformation Officer, a founding Executive Committee role established as part of the South32 demerger from BHP. Senior executive roles at BHP included President Nickel West and President and COO BHP Billiton Diamonds.

Mr Harvey has since 2021 held the role of Senior Operating Partner with London based Appian Capital Advisory and in 2022 Mr Harvey was also appointed to Wyloo Metals Pty Ltd Advisory Committee.

## Director Resignations

On 7 and 8 September 2022, Mr Jeffery Bruce Parncutt AO and Mr Edward Eshuys resigned from the Board of Directors respectively. This was subsequent to the completion of the takeover of DGO by Gold Road.

On 17 October 2022 (post end of the quarter) Ms Samantha Hogg resigned from the Board of Directors.

## Share Equity and Shareholders

- As at 30 September 2022, total shares on issue of 1,410,795,915 (~13,488 shareholders);
- The Top 20 shareholders holding ~72% of total shares on issue; and
- As at 27 October 2022:
  - total shares on issue of 1,540,795,915 (~13,664 shareholders);
  - total outstanding unlisted securities consisted of:
    - 1,544,738 Performance Rights;
    - 927,022 Options (nil exercise price), expiry date 31 July 2024;
    - 3,039,552 Options (nil exercise price), expiry date 3 December 2024; and
    - 21,816 Share rights



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***Forward looking statements disclaimer***

This announcement as prepared by De Grey Mining Limited (the “Company”) includes forward looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, performance and achievements to differ materially from any future results, performance or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management’s good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company’s business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company’s business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company’s control.

Although the Company attempts and has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant securities exchange listing rules, in providing this information the Company does not undertake any obligation to publicly update or revise any of the forward looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

## **Competent Person's Statement**

### **Exploration results**

*The information in this report that relates to exploration results is based on, and fairly represents information and supporting documentation prepared by Mr. Philip Tornatora, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr. Tornatora is an employee of De Grey Mining Limited. Mr. Tornatora 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 Resource and Ore Reserves". Mr. Tornatora consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.*

### **Mineral reserves and resources reporting**

*The information in the Resource Statement is based on, and fairly represents information and supporting documentation prepared 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 the Company's Hemi Ore Reserve estimate of the Mineral Reserves. The information in this presentation that relates to the mineral reserves of the Company has been extracted from the Company's ASX Announcement Mallina Gold Project Preliminary Feasibility Study Outcomes dated 8 September 2022.*

*The Company confirms that it is not aware of any new information or data that materially affects the information included in the announcement and, in relation to the estimates of the Company's mineral reserves, that all material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from that announcement.*

### **Production Targets**

*This announcement contains Production Targets and forecast financial information derived from those.*

*Refer to the Company's ASX announcement Mallina Gold Project Preliminary Feasibility Study Outcomes dated 8 September 2022. The mine plan contains approximately 13% of Inferred Mineral Resources. There is a low 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 Company confirms that the financial viability of the Mallina Gold Project is not dependent on the inclusion of Inferred Resources in the production schedule. The Company confirms that all material assumptions underpinning the production target and forecast financial information derived from it continue to apply and have not materially changed.*

## Appendix 1: JORC Resource and Reserve Statements

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

### Mallina Gold Project - Global Mineral Resource Estimate, May 2022

| Mining Centre          | Measured   |            |            | Indicated    |            |              | Inferred    |            |              | Total        |            |               |
|------------------------|------------|------------|------------|--------------|------------|--------------|-------------|------------|--------------|--------------|------------|---------------|
|                        | Mt         | Au g/t     | Koz        | Mt           | Au g/t     | Koz          | Mt          | Au g/t     | Koz          | Mt           | Au g/t     | Koz           |
| Hemi Mining Centre     |            |            |            | 139.1        | 1.3        | 5,804        | 74.1        | 1.1        | 2,666        | 213.3        | 1.2        | 8,470         |
| Withnell Mining Centre | 1.6        | 1.8        | 92         | 11.7         | 1.8        | 664          | 12.2        | 2.2        | 870          | 25.6         | 2          | 1,626         |
| Wingina Mining Centre  | 3.1        | 1.7        | 173        | 2.5          | 1.5        | 122          | 6.3         | 1.2        | 243          | 11.9         | 1.4        | 538           |
| <b>Total</b>           | <b>4.7</b> | <b>1.7</b> | <b>265</b> | <b>153.4</b> | <b>1.3</b> | <b>6,590</b> | <b>92.6</b> | <b>1.3</b> | <b>3,779</b> | <b>250.7</b> | <b>1.3</b> | <b>10,634</b> |

Note: The Regional resource estimates at the Withnell and Wingina Mining Centres have not changed since the April 2020 statement.

### Mallina Gold Project – Global Mineral Resource Estimate by Type, May 2022

| Mining Centre          | Type         | Measured   |            |            | Indicated    |            |              | Inferred    |            |              | Total        |            |               |
|------------------------|--------------|------------|------------|------------|--------------|------------|--------------|-------------|------------|--------------|--------------|------------|---------------|
|                        |              | Mt         | Au g/t     | Au KOz     | Mt           | Au g/t     | Au KOz       | Mt          | Au g/t     | Au KOz       | Mt           | Au g/t     | Au KOz        |
| Hemi Mining Centre     | Oxide        |            |            |            | 6.7          | 1.5        | 324          | 1.4         | 0.9        | 41           | 8.1          | 1.4        | 365           |
|                        | Sulphide     |            |            |            | 132.4        | 1.3        | 5,480        | 72.7        | 1.1        | 2,624        | 205.1        | 1.2        | 8,105         |
|                        | <b>Total</b> |            |            |            | <b>139.1</b> | <b>1.3</b> | <b>5,804</b> | <b>74.1</b> | <b>1.1</b> | <b>2,666</b> | <b>213.3</b> | <b>1.2</b> | <b>8,470</b>  |
| Withnell Mining Centre | Oxide        | 1.0        | 1.8        | 58         | 2.7          | 1.3        | 113          | 1.7         | 1.4        | 74           | 5.4          | 1.4        | 245           |
|                        | Sulphide     | 0.7        | 1.7        | 35         | 9.0          | 1.9        | 550          | 10.5        | 2.4        | 796          | 20.2         | 2.1        | 1,381         |
|                        | <b>Total</b> | <b>1.6</b> | <b>1.8</b> | <b>92</b>  | <b>11.7</b>  | <b>1.8</b> | <b>664</b>   | <b>12.2</b> | <b>2.2</b> | <b>870</b>   | <b>25.6</b>  | <b>2.0</b> | <b>1,626</b>  |
| Wingina Mining Centre  | Oxide        | 2.7        | 1.8        | 152        | 1.8          | 1.5        | 88           | 2.2         | 1.1        | 75           | 6.7          | 1.5        | 315           |
|                        | Sulphide     | 0.4        | 1.6        | 21         | 0.7          | 1.6        | 35           | 4.0         | 1.3        | 168          | 5.1          | 1.4        | 224           |
|                        | <b>Total</b> | <b>3.1</b> | <b>1.7</b> | <b>173</b> | <b>2.5</b>   | <b>1.5</b> | <b>122</b>   | <b>6.3</b>  | <b>1.2</b> | <b>243</b>   | <b>11.9</b>  | <b>1.4</b> | <b>538</b>    |
| <b>Total</b>           | Oxide        | <b>3.7</b> | <b>1.8</b> | <b>210</b> | <b>11.2</b>  | <b>1.5</b> | <b>525</b>   | <b>5.3</b>  | <b>1.1</b> | <b>190</b>   | <b>20.2</b>  | <b>1.4</b> | <b>925</b>    |
|                        | Sulphide     | <b>1.1</b> | <b>1.6</b> | <b>55</b>  | <b>142.1</b> | <b>1.3</b> | <b>6,065</b> | <b>87.3</b> | <b>1.3</b> | <b>3,589</b> | <b>230.5</b> | <b>1.3</b> | <b>9,709</b>  |
|                        | <b>Total</b> | <b>4.7</b> | <b>1.7</b> | <b>265</b> | <b>153.4</b> | <b>1.3</b> | <b>6,590</b> | <b>92.6</b> | <b>1.3</b> | <b>3,779</b> | <b>250.7</b> | <b>1.3</b> | <b>10,634</b> |

## Mallina Gold Project – Mineral Resource Estimate by Mining Centre and Deposit, May 2022

### Hemi Mining Centre

| Deposit            | Type     | Measured |        |     | Indicated |        |       | Inferred |        |       | Total |        |       |
|--------------------|----------|----------|--------|-----|-----------|--------|-------|----------|--------|-------|-------|--------|-------|
|                    |          | Mt       | Au g/t | Koz | Mt        | Au g/t | Koz   | Mt       | Au g/t | Koz   | Mt    | Au g/t | Koz   |
| Aquila             | Oxide    |          |        |     | 1.3       | 1.4    | 56    | 0.1      | 0.5    | 2     | 1.4   | 1.3    | 58    |
|                    | Sulphide |          |        |     | 11.6      | 1.5    | 554   | 7.5      | 1.3    | 309   | 19.1  | 1.4    | 863   |
|                    | Total    |          |        |     | 12.9      | 1.5    | 610   | 7.6      | 1.3    | 311   | 20.5  | 1.4    | 921   |
| Brolga             | Oxide    |          |        |     | 2.2       | 1.5    | 107   | 1.0      | 0.9    | 28    | 3.2   | 1.3    | 136   |
|                    | Sulphide |          |        |     | 35.1      | 1.3    | 1,503 | 23.3     | 1.1    | 793   | 58.4  | 1.2    | 2,296 |
|                    | Total    |          |        |     | 37.3      | 1.3    | 1,611 | 24.2     | 1.1    | 821   | 61.6  | 1.2    | 2,432 |
| Crow               | Oxide    |          |        |     | 1.0       | 1.0    | 33    | 0.2      | 0.7    | 4     | 1.2   | 1.0    | 37    |
|                    | Sulphide |          |        |     | 19.2      | 1.1    | 667   | 12.4     | 1.2    | 471   | 31.6  | 1.1    | 1,137 |
|                    | Total    |          |        |     | 20.3      | 1.1    | 700   | 12.5     | 1.2    | 474   | 32.8  | 1.1    | 1,174 |
| Diucon             | Oxide    |          |        |     | 0.2       | 1.9    | 13    | 0.2      | 1.2    | 7     | 0.4   | 1.6    | 20    |
|                    | Sulphide |          |        |     | 29.2      | 1.4    | 1,298 | 8.4      | 1.2    | 318   | 37.5  | 1.3    | 1,616 |
|                    | Total    |          |        |     | 29.4      | 1.4    | 1,311 | 8.6      | 1.2    | 325   | 37.9  | 1.3    | 1,635 |
| Eagle              | Oxide    |          |        |     | 0.1       | 1.9    | 9     | 0.0      | 0.6    | 0     | 0.2   | 1.8    | 9     |
|                    | Sulphide |          |        |     | 16.5      | 1.2    | 627   | 9.9      | 1.0    | 312   | 26.3  | 1.1    | 939   |
|                    | Total    |          |        |     | 16.6      | 1.2    | 636   | 9.9      | 1.0    | 312   | 26.5  | 1.1    | 948   |
| Falcon             | Oxide    |          |        |     | 1.8       | 1.8    | 106   | 0.0      | 0.0    | 0     | 1.8   | 1.8    | 106   |
|                    | Sulphide |          |        |     | 20.9      | 1.2    | 831   | 11.4     | 1.2    | 422   | 32.3  | 1.2    | 1,253 |
|                    | Total    |          |        |     | 22.7      | 1.3    | 937   | 11.4     | 1.2    | 422   | 34.1  | 1.2    | 1,359 |
| Hemi Mining Centre | Oxide    |          |        |     | 6.7       | 1.5    | 324   | 1.4      | 0.9    | 41    | 8.1   | 1.4    | 365   |
|                    | Sulphide |          |        |     | 132.4     | 1.3    | 5,480 | 72.7     | 1.1    | 2,624 | 205.1 | 1.2    | 8,105 |
|                    | Total    |          |        |     | 139.1     | 1.3    | 5,804 | 74.1     | 1.1    | 2,666 | 213.3 | 1.2    | 8,470 |



## Withnell Mining Centre

| Deposit                | Type     | Measured |        |     | Indicated |        |     | Inferred |        |     | Total |        |       |
|------------------------|----------|----------|--------|-----|-----------|--------|-----|----------|--------|-----|-------|--------|-------|
|                        |          | Mt       | Au g/t | Koz | Mt        | Au g/t | Koz | Mt       | Au g/t | Koz | Mt    | Au g/t | Koz   |
| Withnell OP            | Oxide    | 0.6      | 1.4    | 29  | 0.4       | 1.2    | 14  | 0.2      | 1.1    | 5   | 1.1   | 1.3    | 48    |
|                        | Sulphide | 0.6      | 1.6    | 33  | 2.7       | 1.9    | 164 | 0.5      | 2.2    | 38  | 3.8   | 1.9    | 235   |
|                        | Total    | 1.3      | 1.5    | 62  | 3         | 1.8    | 178 | 0.7      | 2      | 43  | 5     | 1.8    | 283   |
| Withnell UG            | Oxide    |          |        |     |           |        |     | 0        | 2.5    | 0   | 0     | 2.5    | 0     |
|                        | Sulphide |          |        |     | 0.1       | 4.3    | 16  | 2.4      | 3.9    | 301 | 2.5   | 3.9    | 317   |
|                        | Total    |          |        |     | 0.1       | 4.3    | 16  | 2.4      | 3.9    | 301 | 2.5   | 3.9    | 317   |
| Mallina                | Oxide    |          |        |     | 0.5       | 1.3    | 20  | 1.2      | 1.4    | 53  | 1.7   | 1.3    | 73    |
|                        | Sulphide |          |        |     | 1.1       | 1.2    | 44  | 3.9      | 1.5    | 190 | 5.1   | 1.4    | 235   |
|                        | Total    |          |        |     | 1.6       | 1.2    | 64  | 5.1      | 1.5    | 243 | 6.8   | 1.4    | 307   |
| Toweranna OP           | Oxide    |          |        |     | 0         | 3.1    | 5   | 0        | 2.2    | 4   | 0.1   | 2.6    | 8     |
|                        | Sulphide |          |        |     | 4.3       | 2.1    | 289 | 2.4      | 2.1    | 163 | 6.7   | 2.1    | 451   |
|                        | Total    |          |        |     | 4.3       | 2.1    | 293 | 2.5      | 2.1    | 166 | 6.8   | 2.1    | 460   |
| Toweranna UG           | Oxide    |          |        |     |           |        |     |          |        |     |       |        |       |
|                        | Sulphide |          |        |     |           |        |     | 0.6      | 3.6    | 65  | 0.6   | 3.6    | 65    |
|                        | Total    |          |        |     |           |        |     | 0.6      | 3.6    | 65  | 0.6   | 3.6    | 65    |
| Camel                  | Oxide    | 0.2      | 2.8    | 16  | 0.3       | 2.6    | 27  | 0        | 1.1    | 2   | 0.5   | 2.6    | 45    |
|                        | Sulphide | 0        | 2.1    | 1   | 0.1       | 1.4    | 7   | 0.1      | 1.8    | 9   | 0.3   | 1.7    | 16    |
|                        | Total    | 0.2      | 2.8    | 17  | 0.5       | 2.2    | 33  | 0.2      | 1.7    | 10  | 0.8   | 2.2    | 60    |
| Calvert                | Oxide    |          |        |     | 0.4       | 1.3    | 18  | 0.1      | 0.8    | 1   | 0.5   | 1.3    | 19    |
|                        | Sulphide |          |        |     | 0.6       | 1.3    | 24  | 0.2      | 1.2    | 9   | 0.8   | 1.3    | 33    |
|                        | Total    |          |        |     | 1         | 1.3    | 42  | 0.3      | 1.2    | 11  | 1.3   | 1.3    | 52    |
| Roe                    | Oxide    | 0.1      | 2.7    | 6   | 0.1       | 1.5    | 6   | 0.1      | 1.6    | 6   | 0.3   | 1.8    | 17    |
|                        | Sulphide | 0        | 2.5    | 1   | 0.1       | 2.3    | 5   | 0.2      | 2.2    | 15  | 0.3   | 2.2    | 21    |
|                        | Total    | 0.1      | 2.7    | 7   | 0.2       | 1.8    | 11  | 0.3      | 2      | 21  | 0.6   | 2      | 38    |
| Dromedary              | Oxide    | 0.1      | 2.2    | 7   | 0         | 1.6    | 1   | 0        | 1.6    | 2   | 0.2   | 1.9    | 11    |
|                        | Sulphide |          |        |     | 0         | 1.6    | 2   | 0.1      | 1.8    | 5   | 0.1   | 1.7    | 6     |
|                        | Total    | 0.1      | 2.2    | 7   | 0.1       | 1.6    | 3   | 0.1      | 1.7    | 7   | 0.3   | 1.9    | 17    |
| Leach Pad              | Oxide    |          |        |     | 0.9       | 0.7    | 19  |          |        |     | 0.9   | 0.7    | 19    |
|                        | Sulphide |          |        |     |           |        |     |          |        |     |       |        |       |
|                        | Total    |          |        |     | 0.9       | 0.7    | 19  |          |        |     | 0.9   | 0.7    | 19    |
| Hester                 | Oxide    |          |        |     | 0         | 2.1    | 3   | 0        | 1.3    | 1   | 0.1   | 1.8    | 4     |
|                        | Sulphide |          |        |     | 0         | 2.1    | 1   | 0        | 1.4    | 2   | 0.1   | 1.6    | 3     |
|                        | Total    |          |        |     | 0.1       | 2.1    | 4   | 0.1      | 1.4    | 3   | 0.1   | 1.7    | 7     |
| Withnell Mining Centre | Oxide    | 1        | 1.8    | 58  | 2.7       | 1.3    | 113 | 1.7      | 1.4    | 74  | 5.4   | 1.4    | 245   |
|                        | Sulphide | 0.7      | 1.7    | 35  | 9         | 1.9    | 550 | 10.5     | 2.4    | 796 | 20.2  | 2.1    | 1,381 |
|                        | Total    | 1.6      | 1.8    | 92  | 11.7      | 1.8    | 664 | 12.2     | 2.2    | 870 | 25.6  | 2      | 1,626 |

## Wingina Mining Centre

| Deposit               | Type     | Measured |        |     | Indicated |        |     | Inferred |        |     | Total |        |     |
|-----------------------|----------|----------|--------|-----|-----------|--------|-----|----------|--------|-----|-------|--------|-----|
|                       |          | Mt       | Au g/t | Koz | Mt        | Au g/t | Koz | Mt       | Au g/t | Koz | Mt    | Au g/t | Koz |
| Wingina               | Oxide    | 2.7      | 1.8    | 152 | 0.6       | 1.3    | 27  | 0.3      | 1.3    | 14  | 3.7   | 1.6    | 194 |
|                       | Sulphide | 0.4      | 1.6    | 21  | 0.3       | 1.5    | 16  | 1.1      | 1.7    | 57  | 1.8   | 1.6    | 94  |
|                       | Total    | 3.1      | 1.7    | 173 | 1         | 1.4    | 43  | 1.4      | 1.6    | 72  | 5.5   | 1.6    | 288 |
| Mt Berghaus           | Oxide    |          |        |     | 0.7       | 1.8    | 39  | 1        | 1.1    | 36  | 1.7   | 1.4    | 75  |
|                       | Sulphide |          |        |     | 0.3       | 1.7    | 14  | 2.4      | 1.2    | 92  | 2.7   | 1.2    | 106 |
|                       | Total    |          |        |     | 1         | 1.7    | 53  | 3.4      | 1.2    | 128 | 4.3   | 1.3    | 181 |
| Amanda                | Oxide    |          |        |     | 0.5       | 1.3    | 22  | 0.9      | 0.9    | 25  | 1.4   | 1      | 46  |
|                       | Sulphide |          |        |     | 0.1       | 1.8    | 4   | 0.6      | 1.1    | 19  | 0.6   | 1.2    | 23  |
|                       | Total    |          |        |     | 0.6       | 1.4    | 26  | 1.4      | 0.9    | 44  | 2     | 1.1    | 70  |
| Wingina Mining Centre | Oxide    | 2.7      | 1.8    | 152 | 1.8       | 1.5    | 88  | 2.2      | 1.1    | 75  | 6.7   | 1.5    | 315 |
|                       | Sulphide | 0.4      | 1.6    | 21  | 0.7       | 1.6    | 35  | 4        | 1.3    | 168 | 5.1   | 1.4    | 224 |
|                       | Total    | 3.1      | 1.7    | 173 | 2.5       | 1.5    | 123 | 6.3      | 1.2    | 243 | 11.9  | 1.4    | 538 |

## Mallina Gold Project – Hemi Ore Reserve Estimate, September 2022

| Mining Centre      | Type       | Proved |        |     | Probable |        |       | Total |        |       |
|--------------------|------------|--------|--------|-----|----------|--------|-------|-------|--------|-------|
|                    |            | Mt     | Au g/t | Koz | Mt       | Au g/t | Koz   | Mt    | Au g/t | Koz   |
| Hemi Mining Centre | Oxide      | -      | -      | -   | 7.3      | 1.7    | 403   | 7.3   | 1.7    | 403   |
|                    | Transition | -      | -      | -   | 6.0      | 1.7    | 329   | 6.0   | 1.7    | 329   |
|                    | Sulphide   | -      | -      | -   | 90.1     | 1.5    | 4,408 | 90.1  | 1.5    | 4,408 |
|                    | Total      | -      | -      | -   | 103.4    | 1.5    | 5,139 | 103.4 | 1.5    | 5,139 |

## Appendix 2

### Schedule of Mining Tenements and Beneficial Interests

Held as at the end of the September 2022 Quarter

| Project/Location              | Country   | Tenement | Percentage held/earning |
|-------------------------------|-----------|----------|-------------------------|
| Mallina Gold Project, Pilbara | Australia | E45/2533 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/2364 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/2983 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/2995 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/3390 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/3391 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/3392 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/4751 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E45/5140 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/1732 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/1733 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/2502 | 75% <sup>a</sup>        |
| Mallina Gold Project, Pilbara | Australia | E47/2720 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3399 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3428 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3429 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3430 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3504 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3552 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3553 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3554 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/3750 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/4565 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | E47/891  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/473  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/474  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/475  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/476  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/477  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | M47/480  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | L47/164  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | L47/165  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | L47/578  | 100%                    |
| Mallina Gold Project, Pilbara | Australia | P45/3029 | 100%                    |
| Mallina Gold Project, Pilbara | Australia | P47/1866 | 100%                    |

<sup>a</sup> The Company has earned a 75% interest in E45-2502, and a 25% interest held by Farno McMahon Pty Ltd, a 100% subsidiary of Novo Resources Inc.

### Schedule of Mining Tenements and Beneficial Interests

Acquired during the September 2022 Quarter

| Project/Location | Country | Tenement | Acquisition or Grant Date |
|------------------|---------|----------|---------------------------|
| Nil              |         |          |                           |

### Schedule of Mining Tenements and Beneficial Interests

Disposed of during the September 2022 Quarter

| Project/Location | Country | Tenement | Withdrawal Date |
|------------------|---------|----------|-----------------|
| Nil              |         |          |                 |