



2 November 2022

**ASX ANNOUNCEMENT  
(ASX:TGM)**

## **THETA GOLD PRESENTING AT IMARC**

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Theta Gold Mines Limited ("**Theta Gold**" or the "**Company**") (ASX: TGM| OTC: TGMGF) is pleased to advise that Byron Dumpleton, director of Theta Gold, will be presenting at the 2022 International Mining and Resources Conference (IMARC) held in Sydney on Wednesday, 2 November 2022.

A copy of the Theta Gold presentation is attached to this notice for investors and shareholders.

**[ENDS]**

This announcement was approved for release by Theta Gold Mines Limited's Board.

For more information, please visit [www.thetagoldmines.com](http://www.thetagoldmines.com) or contact:

Bill Guy, Chairman  
Theta Gold Mines Limited  
T: + 61 2 8046 7584 E: [billg@thetagoldmines.com](mailto:billg@thetagoldmines.com)

**Investor Relations**

Australia: Ben Jarvis, Six Degrees Investor Relations: +61 (0) 413 150 448

**Webpage:** [www.thetagoldmines.com](http://www.thetagoldmines.com)



<https://twitter.com/ThetaGoldMines>



<https://www.linkedin.com/company/thetagoldmines/>

## ABOUT THETA GOLD MINES LIMITED

Theta Gold Mines Limited (ASX: TGM | OTCQB: TGMGF) is a gold development company that holds a range of prospective gold assets in a world-renowned South African gold mining region. These assets include several surface and near-surface high-grade gold projects which provide cost advantages relative to other gold producers in the region.

Theta Gold's core project is located next to the historical gold mining town of Pilgrim's Rest, in Mpumalanga Province, some 370km northeast of Johannesburg by road or 95km north of Nelspruit (Capital City of Mpumalanga Province). Following small scale production from 2011 – 2015, the Company is currently focussing on the construction of a new gold processing plant within its approved footprint at the TGME plant, and for the processing of the Theta Open Pit oxide gold ore. Nearby surface and underground mines and prospects are expected to be further evaluated in the future.

The Company aims to build a solid production platform to over 160kozpa based primarily around shallow, open-pit or adit-entry shallow underground hard rock mining sources. Theta Gold has access to over 43 historical mines and prospect areas that can be accessed and explored, with over 6.7Moz of historical production recorded.

Theta Gold holds 100% issued capital of its South African subsidiary, Theta Gold SA (Pty) Ltd ("TGSA"). TGSA holds a 74% shareholding in both Transvaal Gold Mining Estates Limited ("TGME") and Sabie Mines (Pty) Ltd ("Sabie Mines"). The balance of shareholding is held by Black Economic Empowerment ("BEE") entities. The South African Mining Charter requires a minimum of 26% meaningful economic participation by the historically disadvantaged South Africans ("HDSAs"). The BEE shareholding in TGME and Sabie Mines is comprised of a combination of local community trusts, an employee trust and a strategic entrepreneurial partner.





## IMARC Presentation – Sydney November 2022



**DFS TO RECOVER 1.08Moz Au OVER 12.9 YEARS LOM INITIALLY  
AT TGME UNDERGROUND MINE**

**6.1Moz GOLD RESOURCE & GROWING**



## FORWARD LOOKING AND CAUTIONARY STATEMENTS

This presentation may refer to the intention of Theta Gold Mines regarding estimates or future events which could be considered forward looking statements. Forward looking statements are typically preceded by words such as “Forecast”, “Planned”, “Expected”, “Intends”, “Potential”, “Conceptual”, “Believes”, “Anticipates”, “Predicted”, “Estimated” or similar expressions. Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, and may be influenced by such factors including but not limited to funding availability, market-related forces (commodity prices, exchange rates, stock market indices and the like) and political, environmental or economic events (including government or community issues, land owners, global or systemic events). Forward looking statements are provided as a general reflection of the intention of the Company as at the date of release of the document, however are subject to change without notice, and at any time. Future events are subject to risks and uncertainties, and as such results, performance and achievements may in fact differ from those referred to in this announcement. Mining, by its nature, and related activities including mineral exploration, are subject to a large number of variables and risks, many of which cannot be adequately addressed, or be expected to be assessed, in this document. Work contained within or referenced in this report may contain incorrect statements, errors, miscalculations, omissions and other mistakes. For this reason, any conclusions, inferences, judgments, opinions, recommendations or other interpretations either contained in this announcement, or referencing this announcement, cannot be relied upon. There can be no assurance that future results or events will be consistent with any such opinions, forecasts or estimates. The Company believes it has a reasonable basis for making the forward looking statements contained in this document, with respect to any production targets, resource statements or financial estimates, however further work to define Mineral Resources or Reserves, technical studies including feasibilities, and related investigations are required prior to commencement of mining. No liability is accepted for any loss, cost or damage suffered or incurred by the reliance on the sufficiency or completeness of the information, opinions or beliefs contained in this announcement.

The Feasibility Study referred to in this announcement is based on technical and economic assessments to support the estimation of Ore Reserves. There is no assurance that the intended development referred to will proceed as described, and will rely on access to future funding to implement. Theta Gold Mines believes it has reasonable grounds the results of the Feasibility Study. At this stage there is no guarantee that funding will be available, and investors are to be aware of any potential dilution of existing issued capital. The production targets and forward looking statements referred to are based on information available to the Company at the time of release, and should not be solely relied upon by investors when making investment decisions. Theta Gold cautions that mining and exploration are high risk, and subject to change based on new information or interpretation, commodity prices or foreign exchange rates. Actual results may differ materially from the results or production targets contained in this release. Further evaluation is required prior to a decision to conduct mining being made. The estimated Mineral Resources quoted in this release have been prepared by Competent Persons as required under the JORC Code (2012). Material assumptions and other important information are contained in this release. The Company confirms that all material assumptions underpinning the production target, or the forecast financial information derived from the production target continue to apply and have not materially changed from that released in the definitive Feasibility Study released to ASX on 27 July 2022.

### NOTE BUSINESS ARRANGEMENT

Theta Gold Mines holds 100% issued capital of its South African subsidiary Theta Gold SA (Pty) Ltd (“TGSA”). TGSA holds a 74% shareholding in both Transvaal Gold Mining Estates Limited (“TGME”) and Sabie Mines (Pty) Ltd (“Sabie Mines”). TGME holds the various exploration and mining permits. The balance of shareholding is held by Black Economic Empowerment (“BEE”) entities. The South African Mining Charter requires a minimum of 26% meaningful economic participation by the historically disadvantaged South Africans (“HDSAs”). The BEE shareholding in TGME and Sabie Mines is comprised of a combination of local community trusts, an employee trust and a strategic entrepreneurial partner.

## DISCLAIMER AND COMPETENT PERSONS STATEMENT

### DISCLAIMER

This announcement or presentation has been prepared by and issued by Theta Gold Mines Limited (ASX:TGM | OTCQB: TGMGF) to assist in informing interested parties about the Company and should not be considered as an offer or invitation to subscribe for or purchase any securities in the Company or as an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this announcement.

This announcement or presentation may contain forward looking statements. Whilst Theta Gold Mines has no reason to believe that any such statements and projections are either false, misleading or incorrect, it does not warrant or guarantee such statements. Nothing contained in this announcement constitutes investment, legal, tax or other advice. This overview of Theta Gold Mines does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of the Company's prospects. Before making an investment decision, you should consult your professional adviser, and perform your own analysis prior to making any investment decision. To the maximum extent permitted by law, the Company makes no representation and gives no assurance, guarantee or warranty, express or implied, as to, and take no responsibility and assume no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omissions, from any information, statement or opinion contained in this announcement. This announcement contains information, ideas and analysis which are proprietary to Theta Gold.

### COMPETENT PERSONS STATEMENT

The information in this report relating to mineral resources and ore reserves is based on, and fairly reflects, the information and supporting documentation compiled by Mr Uwe Engelmann (BSc (Zoo. & Bot.), BSc Hons (Geol.), Pr.Sci.Nat. No. 400058/08, MGSSA), a director of Minxcon (Pty) Ltd and a member of the South African Council for Natural Scientific Professions and Mr Daniel van Heerden (B.Ing (Mining M.Com (Business Management), member of Engineering Council of South Africa (Pr.Eng. Reg. No. 20050318)), a director of Minxcon (Pty) Ltd and a fellow of the South African Institute of Mining and Metallurgy (FSAIMM Reg. No. 37309).

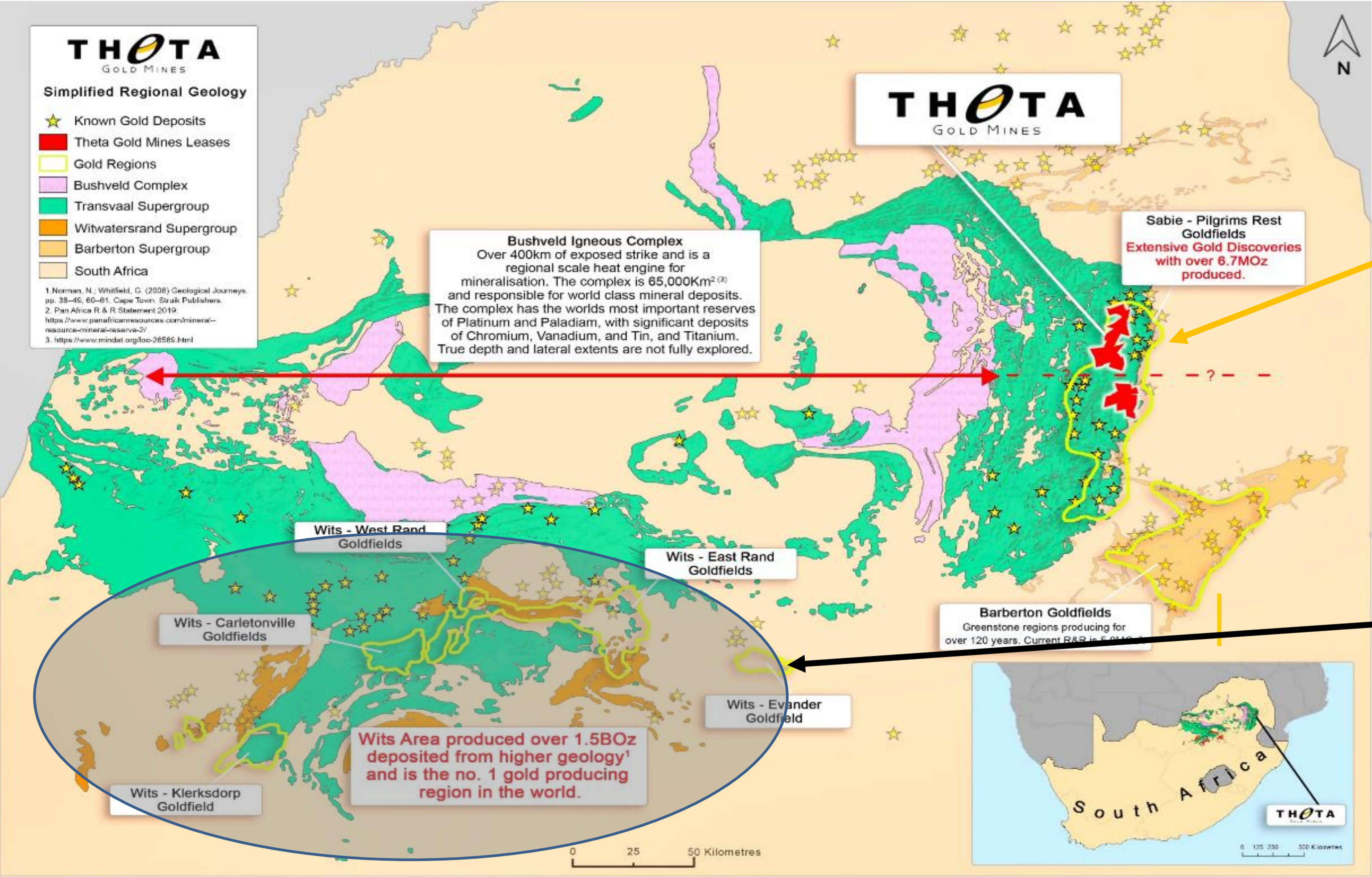
The original reports titled “Theta Gold Increases Mineral Resource to over 6Moz” dated 16 May 2019, “Optimised Mine Schedule for Theta Open Pit Starter Project Delivers Significant Improvements” dated 20 April 2020 and “Initial Maiden Underground Mining Reserve 419,000 oz Gold” dated 8 April 2021 were released to the Australian Securities Exchange (ASX) on those dates. The Company confirms that:

- it is not aware of any new information or data that materially affects the information included in the ASX announcements; and
- all material assumptions and technical parameters underpinning the estimates in the ASX announcements continue to apply and have not materially changed.

### AUTHORISATION

This announcement was authorised for release by the Board of Theta Gold Mines Limited.

# South Africa's "Newest" Gold Field



The Transvaal Gold System sits geological on the eastern side of Bushveld Complex the largest layered igneous intrusion on earth. Our goldfield already produced ~7Moz Au since 1870s. Theta have generated and delivered one of the largest undeveloped gold resources 6.1Moz on the ASX, a "NEW" kid on the block.

SA host the 3rd largest gold reserves in the world, mostly within this Witwatersrand gold field region (~6,000T Au)

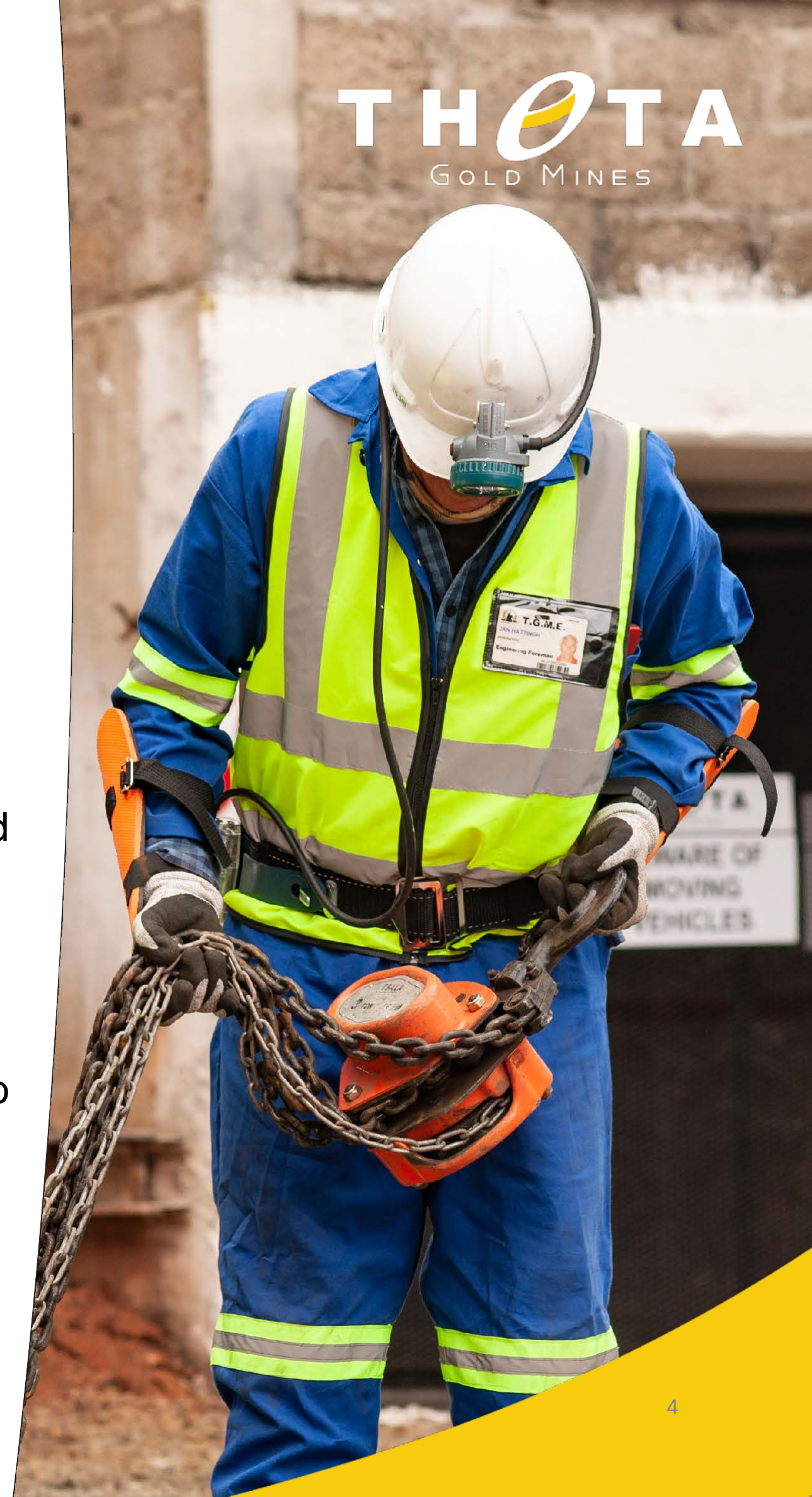
# Theta Gold Highlights

- **HIGH GROWTH GOLD INVESTMENT OPPORTUNITY**
- **Existing Historic Goldfield** - Multiple pre-developed, shallow, high grade historic gold mines – ready to be brought back into production
- **Large, Growing Resource** - 6.1Moz gold resource @ 4.17g/t and continuously growing, with more than 40 other existing pre-developed shallow underground mines not yet reflected in the stated resource
- **Low Capital Start-up** - < US\$100m capital required to reach >90koz/a within 2 years
- **Organic Growth** - Self-funded expansion to >160koz within 5 years
- **Lowest-Cost Quartile Producer** - Forecasted operating cost half the current gold price (<US\$900/oz) to become the lowest cost producer in South Africa and Australia
- **Competent Execution Team** - Executive team that have successfully developed and optimised many mines in South Africa and other developing countries
- **Execution-Ready** - FS completed with full front-end engineering designs (FEED)<sup>1</sup> – ready for execution<sup>2</sup>
- **Funding** – Non-binding funding Term Sheet executed with Sprott Streaming and Royalty Corporation for up to US\$70m stream funding arrangement to bring the TGME Gold Project into production.

1. Refer to ASX Release dated 20 June 2022 “TGME Underground Gold Update”

2. Refer to ASX Release dated 27 July 2022 “Theta’s TGME Project Definitive FS Confirms NPV10% of A\$432 million at US\$1,642 oz Gold price”

3. Refer to ASX Release dated 19 October 2022 “Theta Gold executes a A\$110m (US\$70m) non-binding funding Term Sheet with Sprott for its TGME Gold Project”



## Getting Ready for Construction/Production - Deliverables



- ✓ Initial startup Definitive Feasibility Study (FS) completed in July 2022<sup>1</sup> for to produce 1.24Moz Gold with a FS Life of Mine of 12.9 years.
- ✓ Streaming funding non-binding Term Sheet executed with Sprott for US\$70m (A\$110m)<sup>2</sup>, due diligence now in progress.
- ✓ Strong support from stakeholders including local NGOs, farmers, neighboring enterprises, government departments, final Environmental Impact Assessment and Water Use License pending
- ✓ Very significant ESG Initiatives and coverage:
  - Environmental offsets offered with a portion of project cashflow to fund the improvement of the township, local river and general landscape, and
  - A project designed to have a very small surface footprint – already existing plant zoning, existing TSF, designed for future underground tailings deposal, and
  - Regular Community Forums and the long needed local jobs creations as we will be the only commercial mining operator within the local area.

1. Refer to ASX Release dated 27 July 2022 “Theta’s TGME Project Definitive FS Confirms NPV10% of A\$432 million at US\$1,642 oz Gold price”

2. Refer to ASX Release dated 19 October 2022 “Theta Gold executes a A\$110m (US\$70m) non-binding funding Term Sheet with Sprott for its TGME Gold Project”

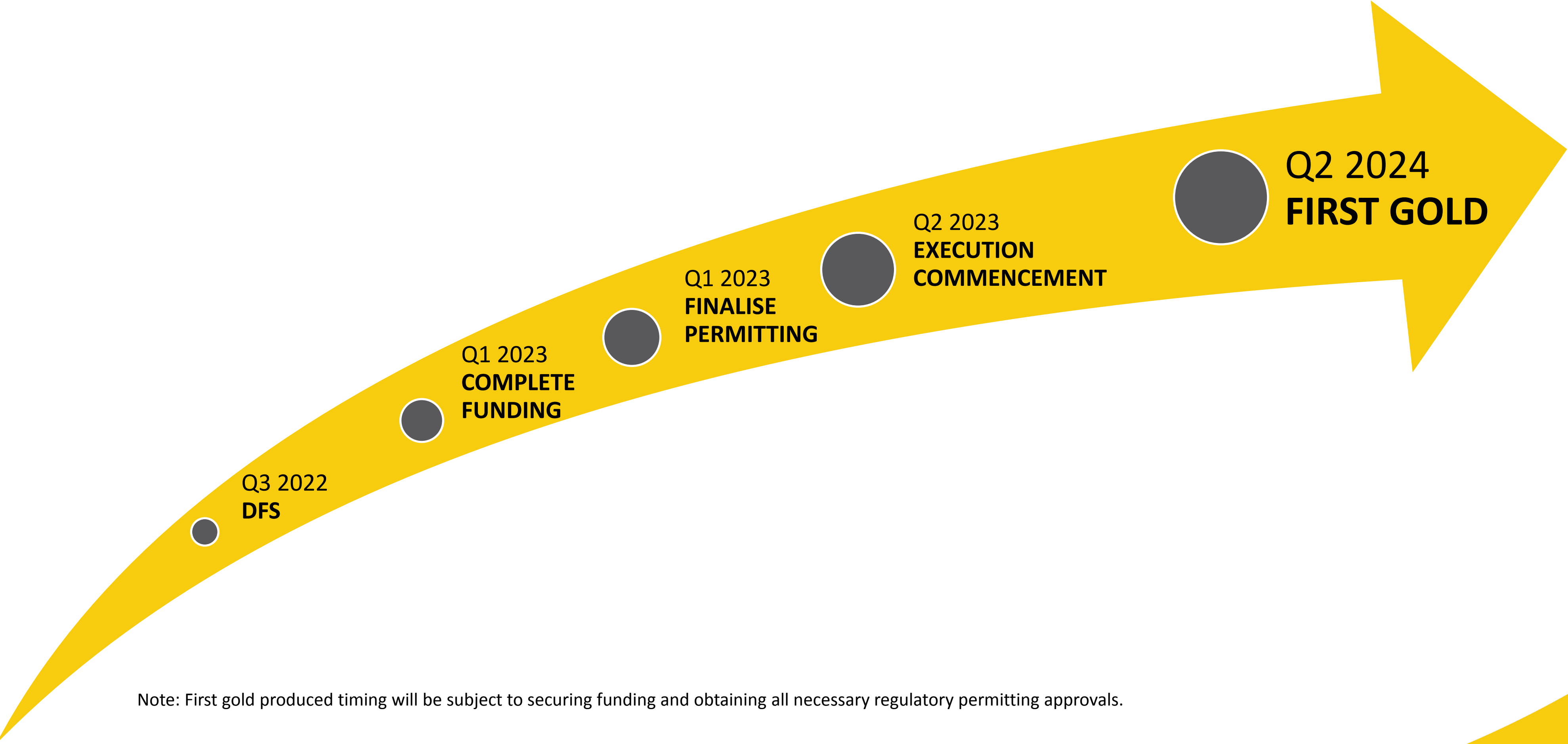
# Sprott Stream Funding Term Sheet



- **NON-BINDING TERM SHEET EXECUTED WITH SPROTT – US\$70m (A\$110m)**  
Stream funding Term Sheet signed with Sprott Streaming and Royalty Corporation.
- **Use of Funds** – Stream funding is to be used for pre-development, development capital and operating expenditure to bring the initial stage TGME Gold Project into production and reach positive cash flows.
- **About Sprott** – Sprott Resource Streaming and Royalty Corporation is a Tier-1 project financing partner in the mining industry from Canada; Canada's #1 gold/silver financing brand name. It's parent company Sprott Inc. has offices in Toronto, New York and London and is dual-listed on both NYSE and TSX.
- **Key Terms** – Sprott to provide US\$70m cash in return for a gold stream on Theta's TGME Gold Project to deliver to Sprott up to 100,000 ounces of gold over its Life-of-Mine (LOM), for which Sprott will pay Theta 10% of the gold price per ounce delivered under the stream. Any funds advance prior to production will incur interest payable semi-annually at 9.5% per annum which can be repaid in either cash or script (at 10% discount to 5 day VWAP). Furthermore, Theta may buyback 50% of the Stream for a pre-agreed price, and after full delivery of the balance, the Stream will be fixed to 2% of production ongoing.
- **Condition Precedents** – Under the Term Sheet, conditions precedent to closing includes the completion of technical, legal and environmental and social due diligence, definitive documentation and final regulatory permits and approvals.

1. Refer to ASX Release dated 19 October 2022 "THETA GOLD EXECUTES A A\$110M (US\$ 70M) NON-BINDING FUNDING TERM SHEET WITH SPROTT FOR ITS TGME GOLD PROJECT"

# Progress towards production



Note: First gold produced timing will be subject to securing funding and obtaining all necessary regulatory permitting approvals.

# Project Economics at Various Gold Prices – Base Case (AUD)



| Project Economics at gold price               | Unit   | Forecast<br>(USD1,642/ oz<br>Avg) | USD1,500/oz | USD1,600/oz | USD1,800/oz | USD2,000/oz | USD2,200/oz |
|---|--------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|
| NPV @ 10% (real) Pre-tax                      | AUDm   | 432                               | 339         | 405         | 536         | 669         | 802         |
| NPV @ 10% (real) Post-tax                     | AUDm   | 292                               | 232         | 274         | 359         | 447         | 533         |
| IRR (%) Pre-tax                               | %      | 65%                               | 57%         | 64%         | 77%         | 90%         | 102%        |
| IRR (%) Post-tax                              | %      | 57%                               | 50%         | 56%         | 67%         | 78%         | 87%         |
| AISC  | AUD/oz | 1,112                             | 1,096       | 1,107       | 1,129       | 1,149       | 1,167       |
| EBITDA annual average                         | AUDm   | 92                                | 77          | 87          | 107         | 128         | 148         |
| EBIT annual average                           | AUDm   | 80                                | 66          | 76          | 96          | 116         | 136         |
| Free Cash Flow (Pre-tax)                      | AUDm   | 956                               | 768         | 897         | 1,158       | 1,421       | 1,686       |
| Free Cash Flow (Post-tax)                     | AUDm   | 678                               | 550         | 638         | 814         | 996         | 1,175       |
| Development Capital – Peak Funding            | AUDm   | 102                               | 102         | 102         | 102         | 102         | 102         |
| Capital Sustaining                            | AUDm   | 49                                | 49          | 49          | 49          | 49          | 49          |
| Payback post-tax                              | Months | 31                                | 33          | 31          | 28          | 25          | 24          |
| Capital Efficiency (Pre-Tax NPV/Dev Capital)  | %      | 422%                              | 332%        | 395%        | 524%        | 653%        | 783%        |
| Capital Efficiency (Post-Tax NPV/Dev Capital) | %      | 285%                              | 226%        | 268%        | 351%        | 437%        | 521%        |

Note: Converted to AUD from using AUD:USD exchange rate of 1.333

# FS Project Economics at Various Gold Prices – Base Case (USD)



| Project Economics at gold price                | Unit   | Base Forecast<br>(USD1,642/oz<br>LoM Avg) | USD1,500/oz | USD1,600/oz | USD1,800/oz | USD2,000/oz | USD2,200/oz |
|--|--------|---|-------------|-------------|-------------|-------------|-------------|
| NPV @ 10% (Pre-tax)                            | USDm   | 324                                       | 255         | 304         | 402         | 501         | 601         |
| NPV @ 10% (Post-tax)                           | USDm   | 219                                       | 174         | 206         | 269         | 335         | 400         |
| IRR (Pre-tax)                                  | %      | 65%                                       | 57%         | 64%         | 77%         | 90%         | 102%        |
| IRR (Post-tax)                                 | %      | 57%                                       | 50%         | 56%         | 67%         | 78%         | 87%         |
| All-in Sustaining Costs (AISC)                 | USD/oz | 834                                       | 822         | 831         | 847         | 862         | 876         |
| EBITDA annual average                          | USDm   | 69  | 58          | 66          | 81          | 96          | 111         |
| EBIT annual average                            | USDm   | 60  | 49          | 57          | 72          | 87          | 102         |
| Free Cash Flow (Pre-tax)                       | USDm   | 717                                       | 576         | 673         | 869         | 1 066       | 1 264       |
| Free Cash Flow (Post-tax)                      | USDm   | 508                                       | 412         | 478         | 611         | 747         | 881         |
| Average Payback Period (from Start of Mining)  | Months | 31  | 33          | 31          | 28          | 25          | 24          |
| Peak Funding Requirement                       | USDm   | 77  | 77          | 77          | 77          | 77          | 77          |
| Sustaining Capital                             | USDm   | 37  | 37          | 37          | 37          | 37          | 37          |
| Capital Efficiency (Pre-Tax NPV/Dev Capital*)  | %      | 422%                                      | 332%        | 395%        | 524%        | 653%        | 783%        |
| Capital Efficiency (Post-Tax NPV/Dev Capital*) | %      | 285%                                      | 226%        | 268%        | 351%        | 437%        | 521%        |

# FS – Key Metrics Base/Ore Reserve Cases

| Description                      | Units        | Base Case | Ore Reserve Case |
|----------------------------------|--------------|-----------|------------------|
| Project Targeted Start Date      | Quarter-yyyy | Q1 2023   | Q1 2023          |
| Commercial Production Start Date | Quarter-yyyy | Q2 2024   | Q2 2024          |
| Production build up period       | Months       | 14        | 14               |
| Life of mine                     | years        | 12.9      | 7.3              |
| Underground ore mined (LOM)      | Mt           | 6.46      | 2.85             |
| Mined Grade                      | g/t          | 5.95      | 6.09             |
| Gold Mined (LOM)                 | Moz          | 1.24      | 0.56             |
| Production Rate                  | Kt/a         | 540       | 540              |
| Production Rate                  | Kt/m         | 45        | 45               |
| Grind size                       | μ            | 106       | 106              |
| Gold recovered (average LOM)     | %            | 87        | 87               |
| Gold recovered (LOM)             | Moz          | 1.08      | 0.49             |

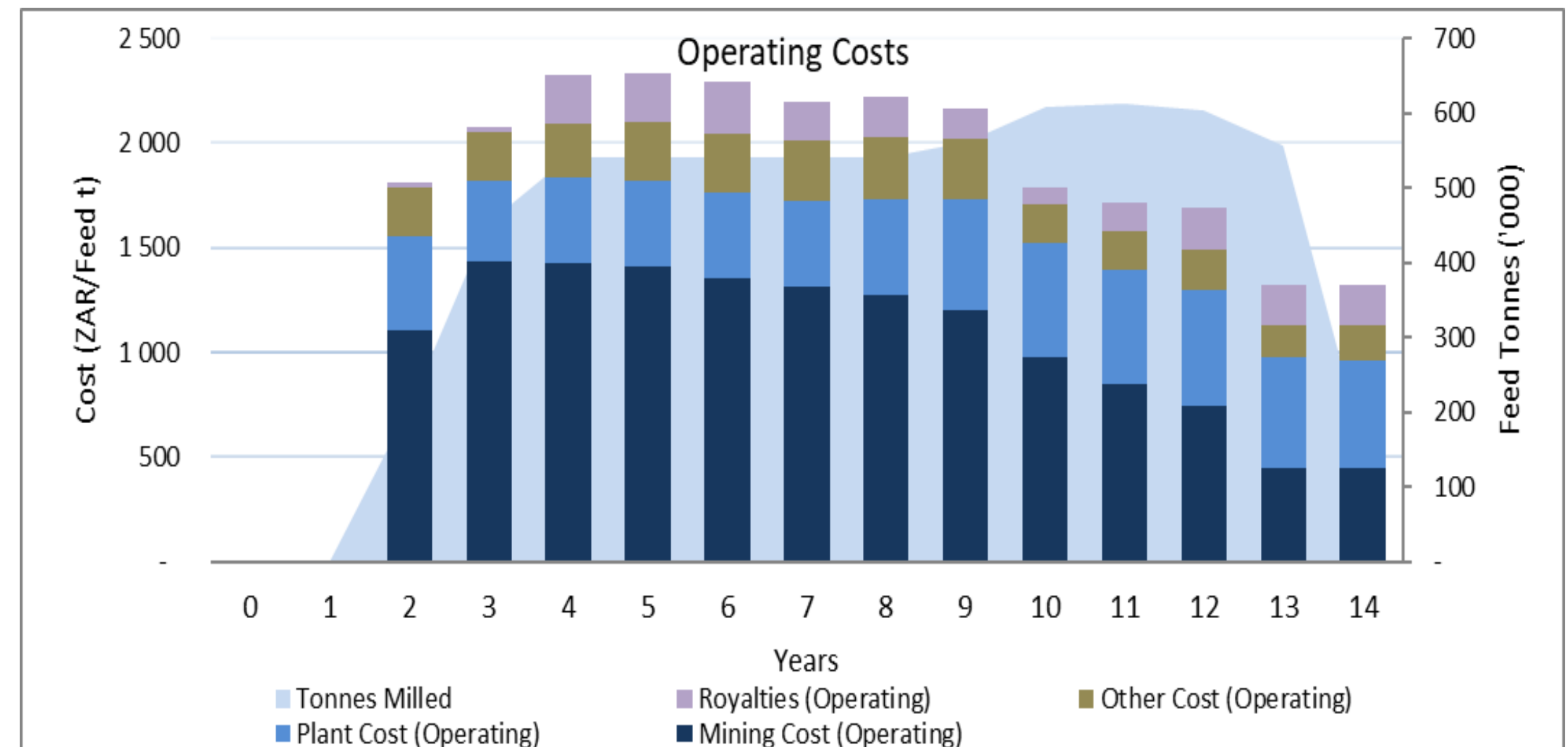
Cautionary Statement for the LOM Base Case – The Base Case is presented as potential upside to the Project. However, the Base Case is supported by a significant portion of Inferred Mineral Resources. Inferred Mineral Resources inherently have a lower level of confidence and although it would be reasonable to expect that the majority of Inferred Mineral Resources would upgrade to Indicated Mineral Resources with continued exploration, it should not be assumed that such upgrading will occur. The realization of the full potential of the Base Case as presented thus cannot be guaranteed.

Start date will be subject too securing necessary funding and approval of regulatory permits.

# FS - Operating Costs in Dollar per Ton (Project over LoM)

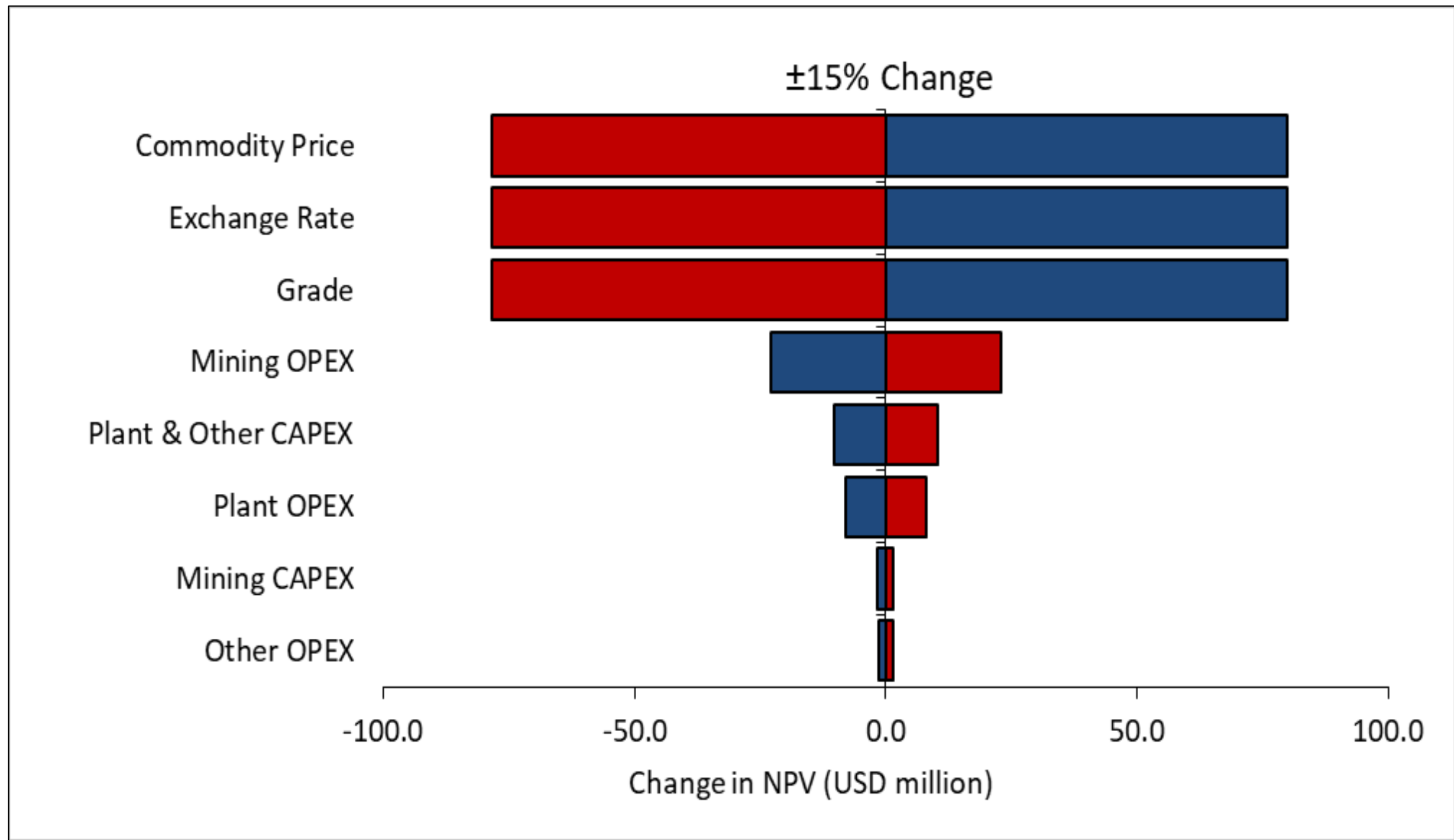
| Operational Cost                      | AUD/Milled tonne | USD/Milled tonne |
|---------------------------------------|------------------|------------------|
| Mine Cost                             | 96               | 72               |
| Plant Costs                           | 41               | 31               |
| Other Costs                           | 20               | 15               |
| Royalties                             | 15               | 11               |
| <b>Adjusted Operating Costs</b>       | <b>172</b>       | <b>128</b>       |
| Renewals and Replacements             | 8                | 6                |
| Reclamation                           | 3                | 2                |
| Off-mine Overheads                    | 4                | 3                |
| <b>All-in Sustaining Costs (AISC)</b> | <b>187</b>       | <b>139</b>       |

- Adjusted Operating Costs against the milled tonnes per year
- The increase in feed tonnes in years 9 to 12 is due to Frankfort mine being mined, and the tonnes reflected are prior to the Density Media Separation.



Average AUD:USD conversion rate for Adjusted Operating Costs is 1.333  
Average AUD:USD conversion rate for All-in Sustaining Costs (AISC) is 1.333  
Average ZAR:USD conversion rate for Adjusted Operating Costs is 15.52  
Average ZAR:USD conversion rate for All-in Sustaining Costs (ASIC) is 15.50

# FS - Project Sensitivities (Based on real cash flow in USD)



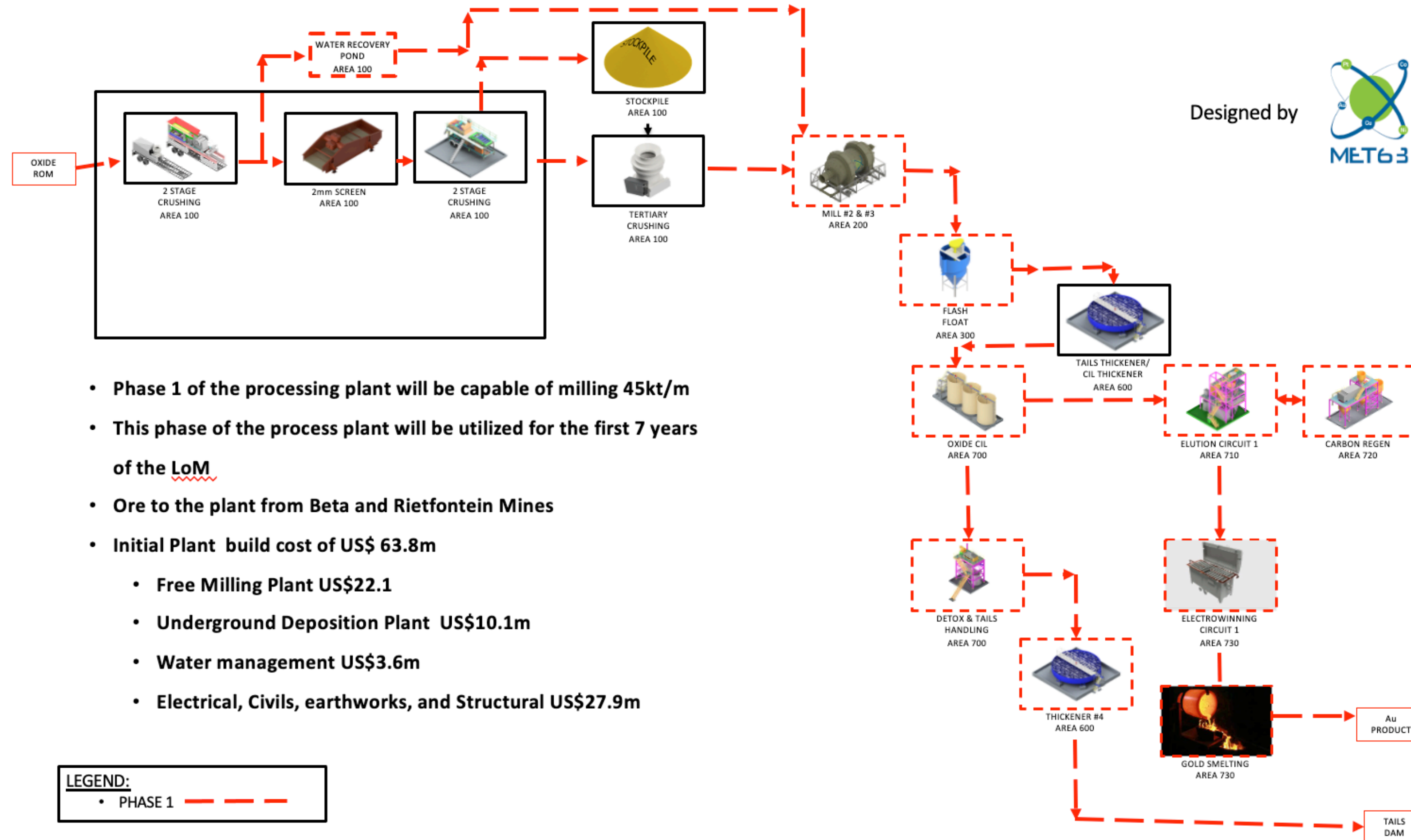
|                         | 2022 FS Assumption Base Case | Current (November 2022) | % Change |
|-------------------------|------------------------------|-------------------------|----------|
| Gold Price (USD)        | \$1,643 / oz                 | \$1,646 / oz            | + -%     |
| USD / ZAR Exchange Rate | \$16.00                      | \$18.27                 | + 14%    |

- Based on the real cash flow calculated in the financial model, a single-parameter sensitivity analyses are used to ascertain the impact on the NPV.
- The bars represent various inputs into the model, each being increased or decreased by 15%.
- The left-hand side of the graph indicates a negative 15% change in the input while the right-hand side of the graph indicating a positive 15% change in the input
- the gold price, exchange rate and grade have the biggest impact on the sensitivity of the Project followed by the mining and plant operating costs
- The Project is least sensitive to capital expenditure changes.

# FS - Phase 1 Plant Rendering



# FS - Free Milling Ore Process Plant



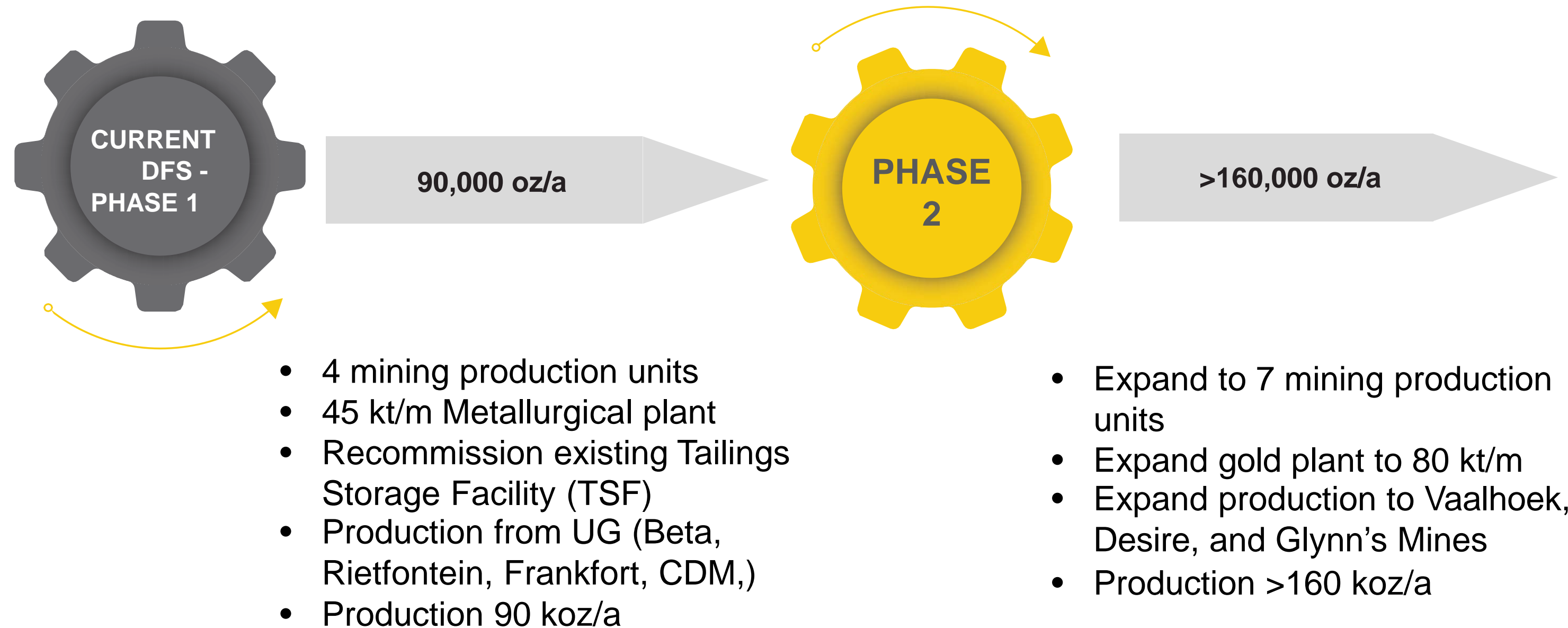
- Phase 1 of the processing plant will be capable of milling 45kt/m
- This phase of the process plant will be utilized for the first 7 years of the LoM
- Ore to the plant from Beta and Rietfontein Mines
- Initial Plant build cost of US\$ 63.8m
  - Free Milling Plant US\$22.1
  - Underground Deposition Plant US\$10.1m
  - Water management US\$3.6m
  - Electrical, Civils, earthworks, and Structural US\$27.9m

# FS - Process Selection and Metallurgical Test Work

| Individual Mine Metallurgical Test Work | % of 1.24M Oz into Mine Schedule | Test Work Recovery | DFS Recovery Used | Comments   |
|---|----------------------------------|--------------------|-------------------|--|
| Beta                                    | 60.4%                            | 87-95%             | 88%               | <ul style="list-style-type: none"> <li>Beta showed to be amenable to conventional CIL processing with 86-95% recoveries</li> </ul>                               |
| Rietfontein                             | 27.3%                            | 88-93%             | 90%               | <ul style="list-style-type: none"> <li>Rietfontein showed to be amenable to conventional</li> </ul>  |
| Frankfort                               | 7.4%                             | 61-82%             | 69%               | <ul style="list-style-type: none"> <li>82% CIL recovery of sulphide flotation</li> <li>61% CIL recovery on sulphide float tails</li> </ul>                       |
| CDM                                     | 4.9%                             | 93-95%             | 88%               | <ul style="list-style-type: none"> <li>Dukes from CDM orebody indicated total recoveries of 93% and higher with combined flotation and CIL processing</li> </ul> |

- Additional Metallurgical test work is currently ongoing on all the Mines with the objective to improve on the current recovery grades.
- Average gold recovery rate is 87.1%.

# Strategy to build up to >160,000oz/a Au production profile within 5 years (only 6 of >40 pre-developed mines)



**Assess other >40 old mines, expand reserves through on-reef exploration, development and drilling on operating mines and new exploration targets**

# Environmental Approvals Progress MR83

| Task   | Duration | Status <sup>1</sup> |
|--|----------|---------------------|
| Submit application for EA  | Q3 2021  | ✓                   |
| Submit draft scoping report  | Q1 2022  | ✓                   |
| Specialists EIA Studies Completed  | Q1 2022  | ✓                   |
| DMRE acceptance of final Scoping report                                  | Q2 2022  | ✓                   |
| Draft EIA/EMPr submitted for public review                               | Q2 2022  | ✓                   |
| Draft IWWMP submitted for public review                                  | Q2 2022  | ✓                   |
| Expected EIA approvals (all studies and documentation submitted)         | Q4 2022  |                     |
| Expected Water use approvals (all studies and documentation submitted)   | Q4 2022  |                     |
| Air Quality Emissions approval (all studies and documentation submitted) | Q4 2022  | ✓                   |

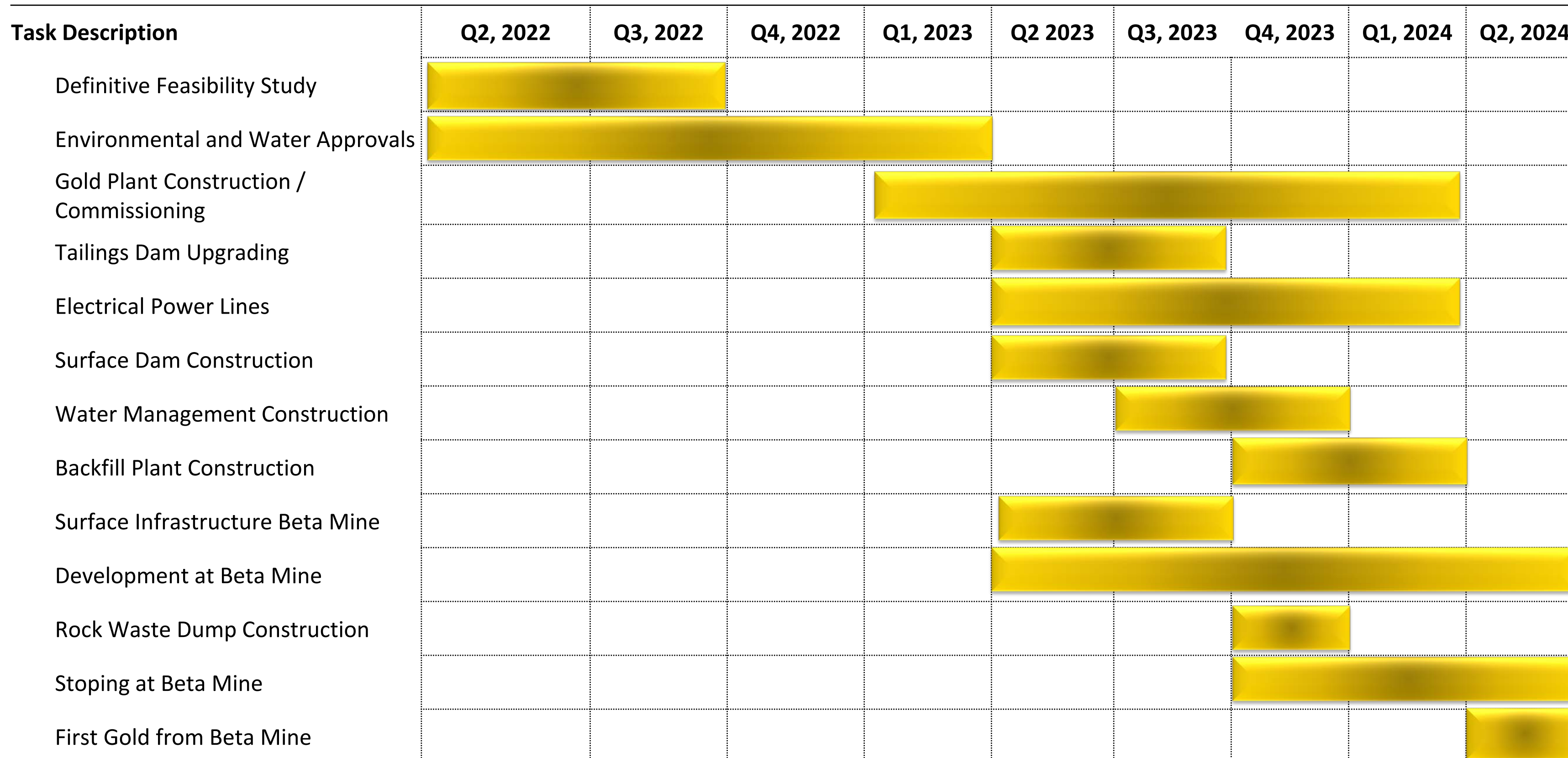


<sup>1</sup> Forestry permits for the continuation of mining are in progress – refer to ASX Release dated 18 July 2022

<sup>2</sup> Refer to ASX Release dated 6 September 2022 “Two License Approvals Granted for TGME Underground Project”

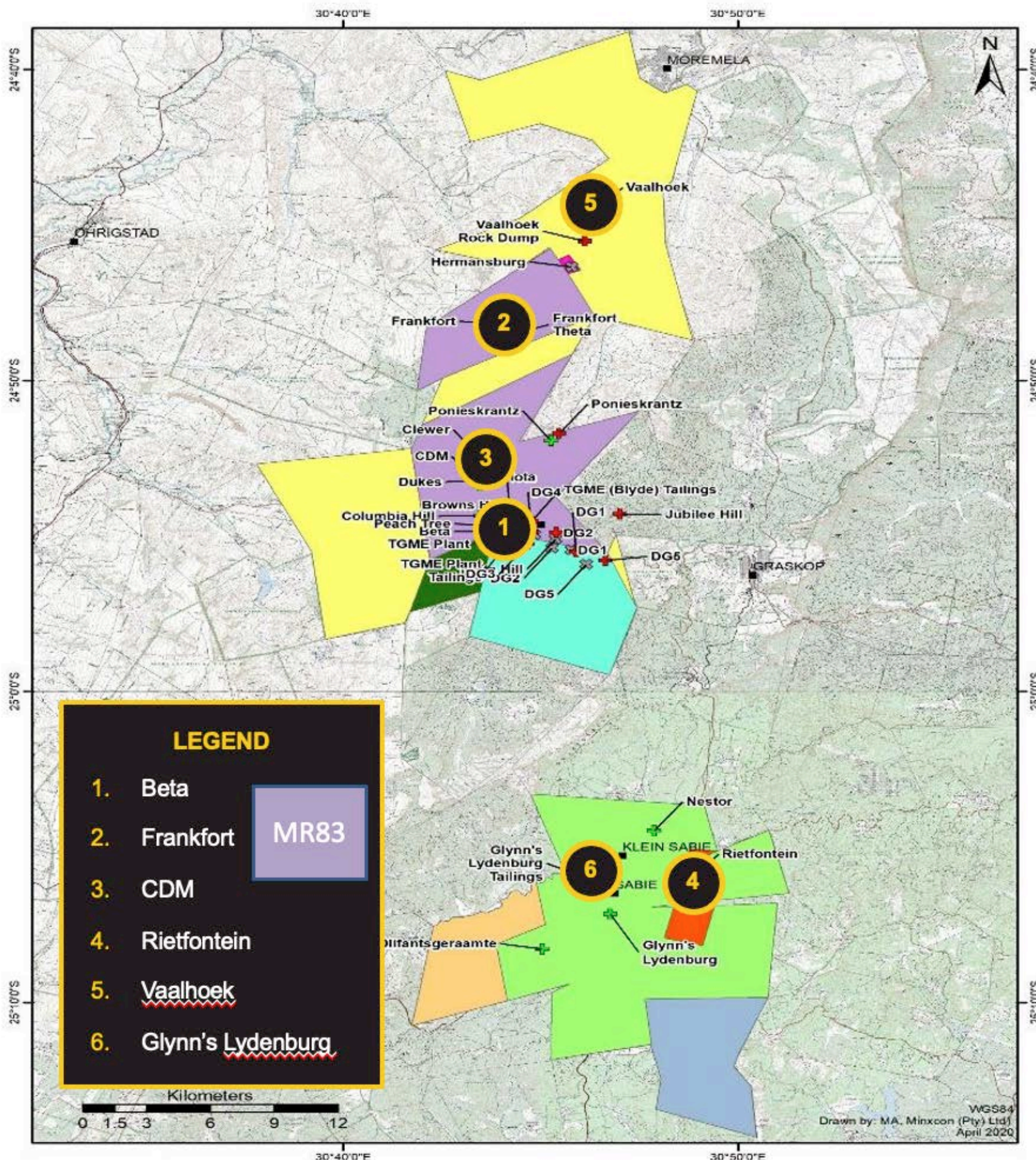
INVESTOR PRESENTATION | ASX : TGM | OTCQB : TGMGF

# Timeline To Production



Note: Plant construction and commissioning subject to securing funding for project and permitting approvals.

# Catalysts – 6 months Game-plan



## Catalysts for a re-rating

- ❖ Permitting completion for Mining Right 83 (EIA, WUL)
- ❖ Completion of Sprott due diligence → Binding Streaming Agreement
- ❖ Commercial Bulk Sampling
- ❖ Early Cashflow Discussions
- ❖ Project Full-funded
- ❖ Final Investment Decision (FID)
- ❖ Construction Commencement

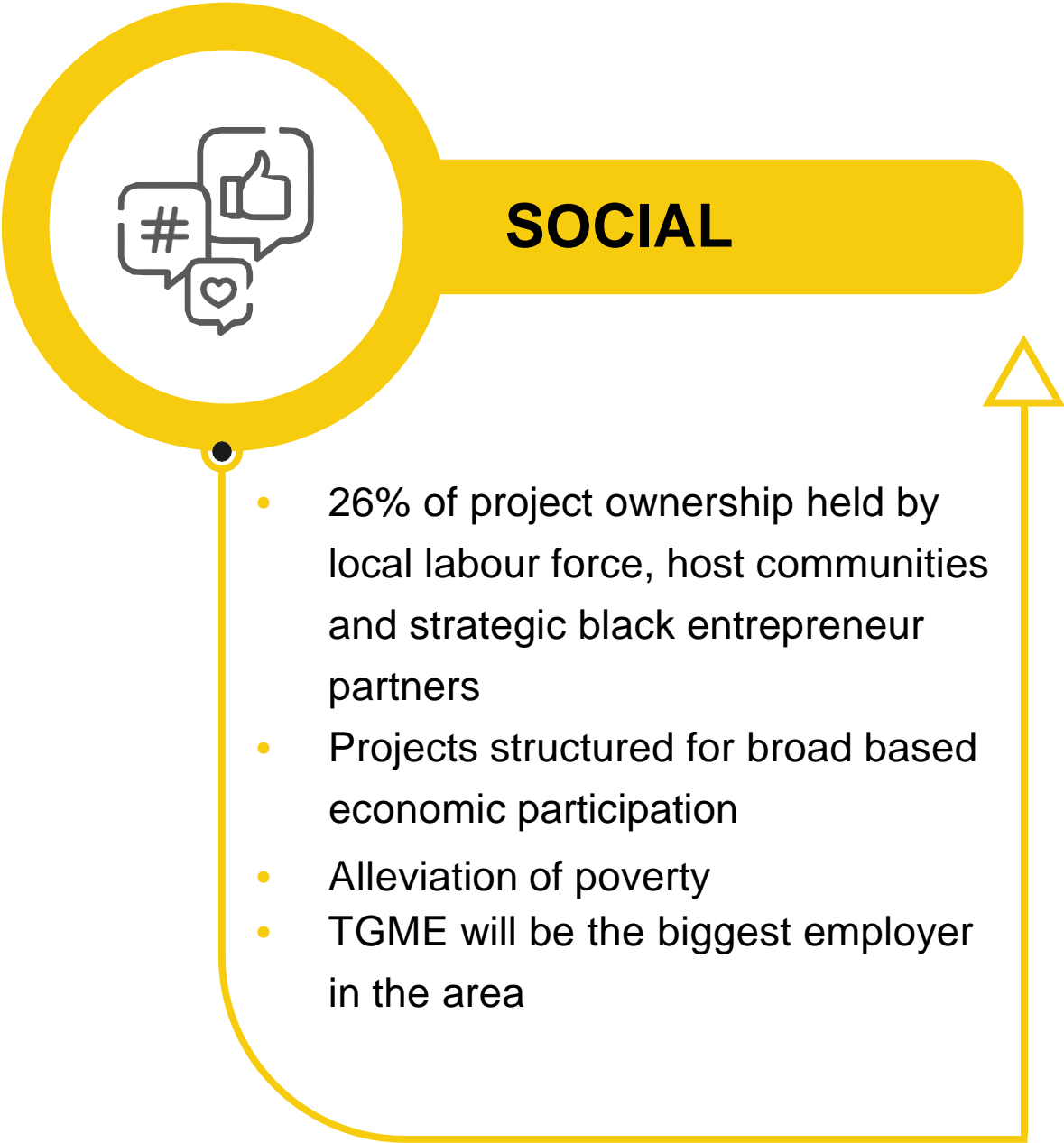
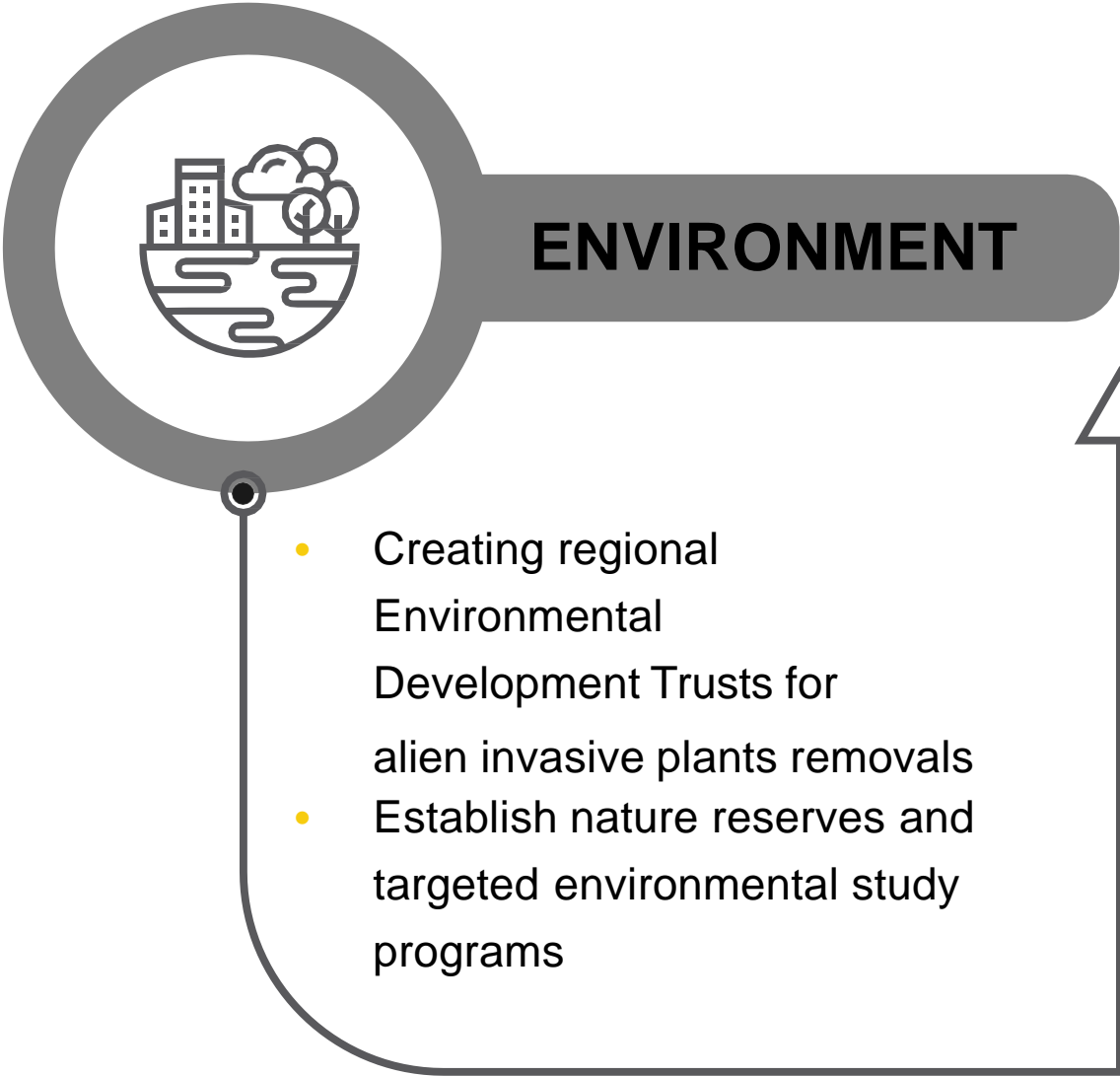


# **CORPORATE** | **OVERVIEW**

# Environmental, Social & Governance (ESG)

## ESG IS INTEGRAL TO THE DEVELOPMENT STRATEGY AND IS BASED ON:

- Holistic risk management
- Zero harm approach to health and safety
- Environmental stewardship
- Conservation of biodiversity
- Responsible production practices
- Positive impact on host communities
- Transparent stakeholder engagement and reporting



# ASX Listing

**Ordinary  
Shares ASX: TGM**

632M<sup>1</sup>

## Out-of-the-money unlisted options and management performance rights

**73M**

**Market  
Capitalisation<sup>1</sup>  
(undiluted)**

**~A\$51M (~US\$33M)**

### Top Shareholders:

|                               |       |
|-------------------------------|-------|
| BNP PARIBAS NOMINEES PTY LTD  | 14.6% |
| ZENITH (HK) HOLDING LIMITED   | 8%    |
| CITICORP NOMINEES PTY LIMITED | 7.3%  |
| 2INVEST AG                    | 6.3%  |
| TASMAN FUNDS MANAGEMENT LTD   | 5.6%  |

# 62%

### Top 10 shareholding

**9%**

## Directors & Management



Note: <sup>1</sup> As of 31 October 2022 (includes shares from placement and SPP announced on 27 October 2022) using the last closing price of \$0.08 on 31 October 2022 and RBA Exchange rate of 0.6420.

## BOARD OF DIRECTORS

|                 |                                       |
|-----------------|---------------------------------------|
| Bill Guy        | Executive Chairman (Economic Geology) |
| Richie Yang     | NED (Corporate Finance)               |
| Bryon Dumpleton | NED (Resource Geology)                |
| Simon Liu       | NED (Funds Mgmt)                      |
| Brett Tang      | NED (Funds Mgmt)                      |

## SENIOR MANAGEMENT & LOCAL BOARD

|                  |  |
|------------------|--|
| Jacques du Triou | Chief Operating Officer (Mining Engineer)      |
| Terence Mokale   | SA Director (Law)                              |
| Puseletso Matete | SA Director (ESG)                              |
| Brent Hofman     | Company Secretary & Financial Controller (AUS) |

## REGISTERED AND PRINCIPLE OFFICE

Level 35, International Tower One  
100 Barangaroo Avenue  
Barangaroo, Sydney, NSW 2000

Telephone: 02 8046 7584

Email: [info@thetagoldmines.com](mailto:info@thetagoldmines.com)

Website: [www.thetagoldmines.com](http://www.thetagoldmines.com)

ASX Code: TGM

OTC Code: TGMGF



## APPENDICES |

# Combined Minerals Resource Statement (~6.1Moz)



| Resource Classification | Type of Operation | Combined Mineral Resource |            |              |         |
|-------------------------|-------------------|---------------------------|------------|--------------|---------|
|                         |                   | Tonnage                   | Gold Grade | Gold Content |         |
|                         |                   | Mt                        | g/t        | Kg           | koz     |
| Measured                | Underground       | 0.091                     | 5.37       | 489          | 15.7    |
|                         | Open pit          |                           |            |              |         |
|                         | Tailings          |                           |            |              |         |
| Total Measured          |                   | 0.091                     | 5.37       | 489          | 15.7    |
| Indicated               | Underground       | 4.774                     | 6.21       | 29 661       | 953.7   |
|                         | Open Pit          | 8.109                     | 2.14       | 17 364       | 558.2   |
|                         | Tailings          | 5.244                     | 0.83       | 4 373        | 140.6   |
| Total Indicated         |                   | 18.128                    | 2.84       | 51 398       | 1652.5  |
| Inferred                | Underground       | 21.452                    | 5.22       | 111 880      | 3597.0  |
|                         | Open pit          | 4.907                     | 5.11       | 25 057       | 805.6   |
|                         | Tailings          | 0.023                     | 0.57       | 13           | 0.4     |
|                         | Rock Dump         | 0.885                     | 1.20       | 1 059        | 34.0    |
| Total Inferred          |                   | 27.267                    | 5.06       | 138 009      | 4 437.0 |
| Grand Total             |                   | 45.485                    | 4.17       | 189 896      | 6 105.2 |

- Notes:**
- 1. UG Mineral Resources are reported at a cut-off of 160 cm.g/t, open pit at 0.5 g/t and 0.35 g/t, tailings and rock dumps at 0.35 g/t.
  - 2. Fault losses of 5% for Measured and Indicated, 10% for Inferred Mineral Resources.
  - 3. Gold price used for the cut-off calculations is USD1,500/oz.
  - 4. Mineral Resources are stated as inclusive of Ore Reserves.
  - 5. Mineral Resources are reported as total Mineral Resources and are not attributed.

# Total Mineral Resources of the 4 Mines included in the DFS - Combined as of 1 February 2021

| Mineral Resource Classification       | Mine        | Reef        | Reef Grade   | Stope Grade | Reef Width | Stope width | Content    | Reef Tonnes  | Stope Tonnes | Au Content    |             |
|---------------------------------------|-------------|-------------|--------------|-------------|------------|-------------|------------|--------------|--------------|---------------|-------------|
|                                       |             |             | g/t          | g/t         | cm         | cm          | cm.g/t     | Mt           | Mt           | kg            | koz         |
| Measured                              | Frankfort   | Bevetts     | 7.13         | 5.37        | 73         | 103         | 520        | 0.069        | 0.091        | 489           | 15.7        |
| <b>Total Measured</b>                 |             |             | <b>7.13</b>  | <b>5.37</b> | <b>73</b>  | <b>103</b>  | <b>520</b> | <b>0.069</b> | <b>0.091</b> | <b>489</b>    | <b>15.7</b> |
| Indicated                             | Frankfort   | Bevetts     | 7.86         | 5.13        | 58         | 96          | 452        | 0.243        | 0.373        | 1,912         | 61.5        |
|                                       | CDM         | Rho         | 13.19        | 3.80        | 23         | 90          | 307        | 0.258        | 0.895        | 3,401         | 109.4       |
|                                       | Beta        | Beta        | 21.66        | 6.58        | 23         | 90          | 499        | 0.716        | 2.357        | 15,506        | 498.5       |
|                                       | Rietfontein | Rietfontein | 14.57        | 8.20        | 52         | 92          | 755        | 0.517        | 0.919        | 7,534         | 242.2       |
| <b>Total Indicated</b>                |             |             | <b>16.35</b> | <b>6.24</b> | <b>30</b>  | <b>91</b>   | <b>540</b> | <b>1.734</b> | <b>4.543</b> | <b>28,352</b> | <b>912</b>  |
| <b>Total Measured &amp; Indicated</b> |             |             | <b>16.00</b> | <b>6.22</b> | <b>32</b>  | <b>92</b>   | <b>540</b> | <b>1.803</b> | <b>4.634</b> | <b>28,841</b> | <b>927</b>  |

| Mineral Resource Classification | UG Mine     | Reef        | Reef Grade   | Stope Grade | Reef Width | Stope width | Content    | Reef Tonnes  | Stope Tonnes | Au Content    |                |
|---------------------------------|-------------|-------------|--------------|-------------|------------|-------------|------------|--------------|--------------|---------------|----------------|
|                                 |             |             | g/t          | g/t         | cm         | cm          | cm.g/t     | Mt           | Mt           | kg            | koz            |
| Inferred                        | Frankfort   | Bevetts     | 7.41         | 4.27        | 48         | 93          | 356        | 0.343        | 0.596        | 2,543         | 81.8           |
|                                 | CDM         | Rho         | 10.06        | 3.02        | 24         | 90          | 244        | 0.544        | 1.811        | 5,472         | 175.9          |
|                                 | Beta        | Beta        | 16.51        | 5.43        | 25         | 90          | 414        | 1.107        | 3.367        | 18,285        | 587.9          |
|                                 | Rietfontein | Rietfontein | 14.06        | 8.52        | 57         | 94          | 803        | 1.190        | 1.962        | 16,721        | 537.6          |
| <b>Total Inferred</b>           |             |             | <b>13.51</b> | <b>5.56</b> | <b>39</b>  | <b>92</b>   | <b>524</b> | <b>3.184</b> | <b>7.736</b> | <b>43,022</b> | <b>1,383.2</b> |

Notes:-

1. Mineral Resource cut-off of 160 cm.g/t applied.
2. Fault losses of 5% for Measured and Indicated, 10% for Inferred Mineral Resources.
3. Gold price used for the cut-off calculations is USD1,500/oz.
4. cm.g/t and g/t figures will not back calculate due to variable densities in reef and waste rock.
5. Mineral Resources are stated as inclusive of Ore Reserves.
6. Mineral Resources are reported as total Mineral Resources and are not attributed.

# Mineral Resource Statement – Underground Only (~4.5Moz)

| Mineral Resource Classification       | Mine             | Reef             | Reef Grade   | Stope Grade | Reef Width | Stope width | Content    | Reef Tonnes  | Stope Tonnes | Au Content    |              |
|---------------------------------------|------------------|------------------|--------------|-------------|------------|-------------|------------|--------------|--------------|---------------|--------------|
|                                       |                  |                  | g/t          | g/t         | cm         | cm          | cm.g/t     | Mt           | Mt           | kg            | koz          |
| Measured                              | Frankfort        | Bevetts          | 7.13         | 5.37        | 73         | 103         | 520        | 0.069        | 0.091        | 489           | 15.7         |
| <b>Total Measured</b>                 |                  |                  | <b>7.13</b>  | <b>5.37</b> | <b>73</b>  | <b>103</b>  | <b>520</b> | <b>0.069</b> | <b>0.091</b> | <b>489</b>    | <b>15.7</b>  |
| Indicated                             | Frankfort        | Bevetts          | 7.86         | 5.13        | 58         | 96          | 452        | 0.243        | 0.373        | 1,912         | 61.5         |
|                                       | CDM              | Rho              | 13.19        | 3.80        | 23         | 90          | 307        | 0.258        | 0.895        | 3,401         | 109.4        |
|                                       | Beta             | Beta             | 21.66        | 6.58        | 23         | 90          | 499        | 0.716        | 2.357        | 15,506        | 498.5        |
|                                       | Rietfontein      | Rietfontein      | 14.57        | 8.20        | 52         | 92          | 755        | 0.517        | 0.919        | 7,534         | 242.2        |
|                                       | Vaalhoek         | Vaalhoek         | 13.90        | 6.34        | 36         | 90          | 499        | 0.064        | 0.140        | 887           | 28.5         |
|                                       | Olifantsgeraamte | Olifantsgeraamte | 16.97        | 4.62        | 25         | 90          | 416        | 0.026        | 0.091        | 422           | 13.6         |
| <b>Total Indicated</b>                |                  |                  | <b>16.26</b> | <b>6.21</b> | <b>36</b>  | <b>91</b>   | <b>591</b> | <b>1.824</b> | <b>4.774</b> | <b>29,661</b> | <b>953.7</b> |
| <b>Total Measured &amp; Indicated</b> |                  |                  | <b>15.93</b> | <b>6.20</b> | <b>38</b>  | <b>91</b>   | <b>600</b> | <b>1.893</b> | <b>4.865</b> | <b>30,150</b> | <b>969.4</b> |

| Mineral Resource Classification | UG Mine          | Reef             | Reef Grade   | Stope Grade | Reef Width | Stope width | Content    | Reef Tonnes  | Stope Tonnes  | Au Content     |                    |
|---------------------------------|------------------|------------------|--------------|-------------|------------|-------------|------------|--------------|---------------|----------------|--------------------|
|                                 |                  |                  | g/t          | g/t         | cm         | cm          | cm.g/t     | Mt           | Mt            | kg             | koz                |
| Inferred                        | Frankfort        | Bevetts          | 7.41         | 4.27        | 48         | 93          | 356        | 0.343        | 0.596         | 2,543          | 81.8               |
|                                 | CDM              | Rho              | 10.06        | 3.02        | 24         | 90          | 244        | 0.544        | 1.811         | 5,472          | 175.9              |
|                                 | Beta             | Beta             | 16.51        | 5.43        | 25         | 90          | 414        | 1.107        | 3.367         | 18,285         | 587.9              |
|                                 | Rietfontein      | Rietfontein      | 14.06        | 8.52        | 57         | 94          | 803        | 1.190        | 1.962         | 16,721         | 537.6              |
|                                 | Olifantsgeraamte | Olifantsgeraamte | 18.33        | 4.68        | 23         | 90          | 422        | 0.059        | 0.248         | 1,162          | 37.3               |
|                                 | Vaalhoek         | Vaalhoek         | 16.28        | 4.77        | 22         | 90          | 361        | 0.873        | 2.980         | 14,209         | 456.8              |
|                                 | Vaalhoek         | Thelma Leaders   | 12.18        | 9.47        | 96         | 123         | 1166       | 0.023        | 0.030         | 284            | 9.1                |
|                                 | Glynns Lydenburg | Glynns           | 15.87        | 5.19        | 25         | 90          | 397        | 3.218        | 9.833         | 51,078         | 1 642.2            |
|                                 | Ponieskrantz*    | Portuguese       | 13.26        | 3.99        | 22         | 90          | 287        | 0.064        | 0.213         | 849            | 27.3               |
|                                 | Frankfort Theta* | Theta            | 7.22         | 3.24        | 34         | 90          | 244        | 0.099        | 0.220         | 714            | 23.0               |
|                                 | Nestor*          | Sandstone        | 5.54         | 2.92        | 41         | 90          | 225        | 0.101        | 0.193         | 562            | 18.1               |
| <b>Total Inferred</b>           |                  |                  | <b>14.68</b> | <b>5.22</b> | <b>31</b>  | <b>91</b>   | <b>458</b> | <b>7.622</b> | <b>21.452</b> | <b>111,880</b> | <b>3,597 597.0</b> |

**Notes:**

1. Mineral Resource cut-off of 160 cm.g/t applied.
2. Fault losses of 5% for Measured and Indicated, 10% for Inferred Mineral Resources.
3. Gold price used for the cut-off calculations is USD1,500/oz.
4. cm.g/t and g/t figures will not back calculate due to variable densities in reef and waste rock.
5. Mineral Resources are stated as inclusive of Ore Reserves.
6. Mineral Resources are reported as total Mineral Resources and are not attributed.

# Mineral Resource Statement – Open Pit Only (~1.4Moz)



| Mineral Resource Classification | Open Pit Mine       | Reef        | Reef Grade | Reef Width | Content | Reef Tonnes | Au Content |       |
|---------------------------------|---------------------|-------------|------------|------------|---------|-------------|------------|-------|
|                                 |                     |             | g/t        | cm         | cm.g/t  | Mt          | kg         | koz   |
| Indicated                       | Hermansburg         | Eluvial     | 1.79       | 0          | 0       | 0.505       | 905        | 29.1  |
|                                 | DG1                 | Eluvial     | 2.24       | 0          | 0       | 0.640       | 1 432      | 46.0  |
|                                 | DG2                 | Eluvial     | 0.66       | 0          | 0       | 1.586       | 1 041      | 33.5  |
|                                 | Vaalhoek            | Vaalhoek    | 17.25      | 33         | 574     | 0.111       | 1920       | 61.7  |
|                                 | Theta & Browns Hill | Shale       | 1.02       | 200        | 204     | 0.397       | 404        | 13.0  |
|                                 | Theta & Browns Hill | Bevett's    | 1.08       | 223        | 241     | 0.856       | 925        | 29.7  |
|                                 | Theta & Browns Hill | Upper Theta | 2.41       | 100        | 241     | 0.651       | 1571       | 50.5  |
|                                 | Theta & Browns Hill | Lower Theta | 3.79       | 100        | 379     | 0.839       | 3178       | 102.2 |
|                                 | Theta & Browns Hill | Beta        | 2.51       | 100        | 251     | 0.373       | 938        | 30.1  |
|                                 | Iota                | Bevett's    | 2.98       | 114        | 340     | 0.108       | 323        | 10.4  |
|                                 | Iota                | Upper Rho   | 2.33       | 402        | 937     | 0.897       | 2090       | 67.2  |
|                                 | Iota                | Lower Rho   | 2.51       | 520        | 1306    | 0.981       | 2464       | 79.2  |
|                                 | Iota                | Upper Theta | 1.06       | 114        | 121     | 0.163       | 173        | 5.6   |
| Total Indicated                 |                     |             | 2.14       | 168        | 360     | 8.109       | 17 364     | 558.2 |

| Mineral Resource Classification | Open Pit Mine       | Reef           | Reef Grade | Reef Width | Content | Reef Tonnes | Au Content |       |
|---------------------------------|---------------------|----------------|------------|------------|---------|-------------|------------|-------|
|                                 |                     |                | g/t        | cm         | cm.g/t  | Mt          | kg         | koz   |
| Inferred                        | Hermansburg         | Eluvial        | 0.88       | 0          | 0       | 0.110       | 97         | 3.1   |
|                                 | DG1                 | Eluvial        | 0.00       | 0          | 0       | 0.000       | 0          | 0.0   |
|                                 | DG2                 | Eluvial        | 0.00       | 0          | 0       | 0.000       | 0          | 0.0   |
|                                 | Vaalhoek            | Vaalhoek       | 20.32      | 43         | 880     | 0.213       | 4 319      | 138.9 |
|                                 | Vaalhoek            | Thelma Leaders | 14.25      | 97         | 1 388   | 0.293       | 4 172      | 134.1 |
|                                 | Theta & Browns Hill | Shale          | 1.12       | 215        | 240     | 0.600       | 668        | 21.5  |
|                                 | Theta & Browns Hill | Bevett's       | 1.17       | 217        | 254     | 0.451       | 528        | 17.0  |
|                                 | Theta & Browns Hill | Upper Theta    | 1.86       | 100        | 186     | 0.948       | 1762       | 56.6  |
|                                 | Theta & Browns Hill | Lower Theta    | 8.06       | 100        | 806     | 1.384       | 11153      | 358.6 |
|                                 | Theta & Browns Hill | Beta           | 2.17       | 100        | 217     | 0.778       | 1686       | 54.2  |
|                                 | Iota                | Upper Rho      | 5.12       | 134        | 687     | 0.131       | 673        | 21.6  |
| Total Inferred                  |                     |                | 5.11       | 121        | 617     | 4.907       | 25 057     | 805.6 |

## Notes:

1. Mineral Resource cut-off of 0.5 g/t and 0.35 g/t applied.
2. Fault losses of 5% for Measured and Indicated, 10% for Inferred Mineral Resources.
3. Gold price used for the cut-off calculations is USD1,500/oz.
4. Vaalhoek, Theta Hill, Browns Hill and Iota Mineral Resources stated utilising pit optimisation.
5. Mineral Resources are stated as inclusive of Ore Reserves.
6. Mineral Resources are reported as total Mineral Resources and are not attributed.

**QUESTION TIME**  
**[WWW.THETAGOLDMINES.COM](http://WWW.THETAGOLDMINES.COM)**

**Byron Dumpleton**  
**Director**

Email: [byrond@thetagoldmines.com](mailto:byrond@thetagoldmines.com)

**THETA**  
GOLD MINES



TICKER: TGM (TRADE IN AU\$)



TICKER: TGMGF (TRADE IN US\$)