GENESIS MINERALS LIMITED

ACCELERATE

DIGGERS AND DEALERS PRESENTATION

KALGOORLIE, WESTERN AUSTRALIA

AUGUST 2024

Mining Forum Diggers & Dealers Kalgoorlie, Western Australia

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Competent Person's Statements

The information in this Presentation that relates to:

- Mineral Resources and Ore Reserves estimates for the Genesis' projects are extracted from Genesis' ASX announcement of 21st March 2024 titled "Growth strategy underpinned by robust Reserves"
- Production Targets for the Genesis' projects are extracted from Genesis' ASX announcement of 21st March 2024 titled "Growth strategy underpinned by robust Reserves"
- Exploration Results for Gwalia and Tower Hill are extracted from Genesis' ASX announcement of 21st March 2024 titled "Growth strategy underpinned by robust Reserves"

In each case above, Genesis confirms that it is not aware of any new information or data that materially affects the information included in the market announcements and Genesis confirms that all material assumptions and technical parameters underpinning the Mineral Resource and Ore Reserve estimates in the market announcements continue to apply and have not materially changed. Genesis confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the previous announcements.

References in this Presentation to "Resources" are to Mineral Resources estimates and references to "Reserves" are to Ore Resource estimates. Mineral Resources in this Presentation are inclusive of Ore Reserves.

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Release authorised by: Raleigh Finlayson, Managing Director, Genesis Minerals Limited.

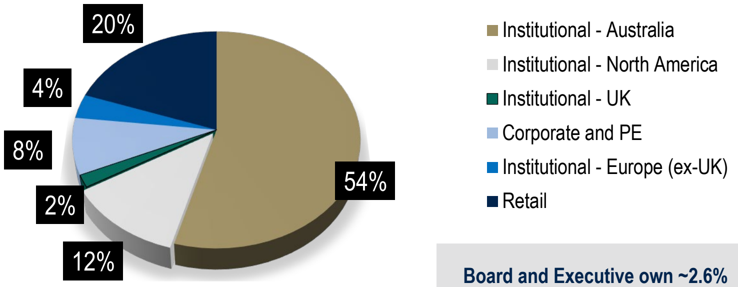
Corporate overview

Key metrics (ASX: GMD)[1]	
Shares on issue	1,122m[1]
Share price	A$2.12
Market capitalisation	A$2.4b
Cash and bullion 30th June 2024	**A$173m**[2]
Bank debt	**Nil**
Liquidity	30-day ADV 4.2m shares
Index inclusions	ASX200, MSCI Small cap, GDX, GDXJ
Hedging	Forwards 18oz @ A$3,666/oz; Zero cost collars 18koz (A$3,500 to A$4,235/oz)
Ore Reserves	**3.3Moz** (21st March 2024)
Mineral Resources	**15.2Moz** (21st March 2024)

Board	
Non-Executive Chairman	Tony Kiernan
Managing Director	Raleigh Finlayson
Non-Executive Director	Michael Bowen
Non-Executive Director	Gerry Kaczmarek
Non-Executive Director	Dr Karen Lloyd
Non-Executive Director	Jacqueline Murray
Non-Executive Director	Mick Wilkes

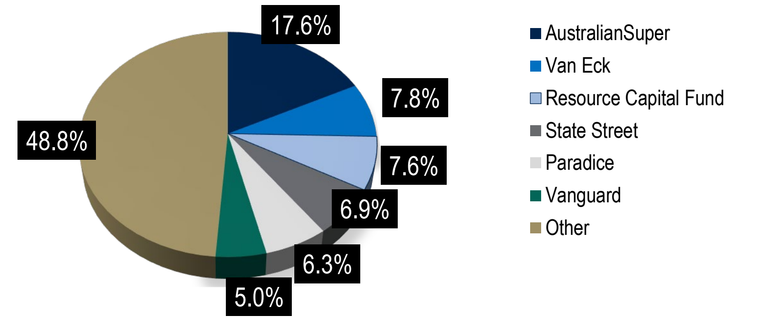
Executive	
Chief Financial Officer	Morgan Ball
Chief Operating Officer	Matt Nixon
Corporate Development Officer	Troy Irvin
General Manager - People and Culture	Kellie Randell

Ownership - Geographic



Board and Executive own ~2.6%

Ownership - Substantials



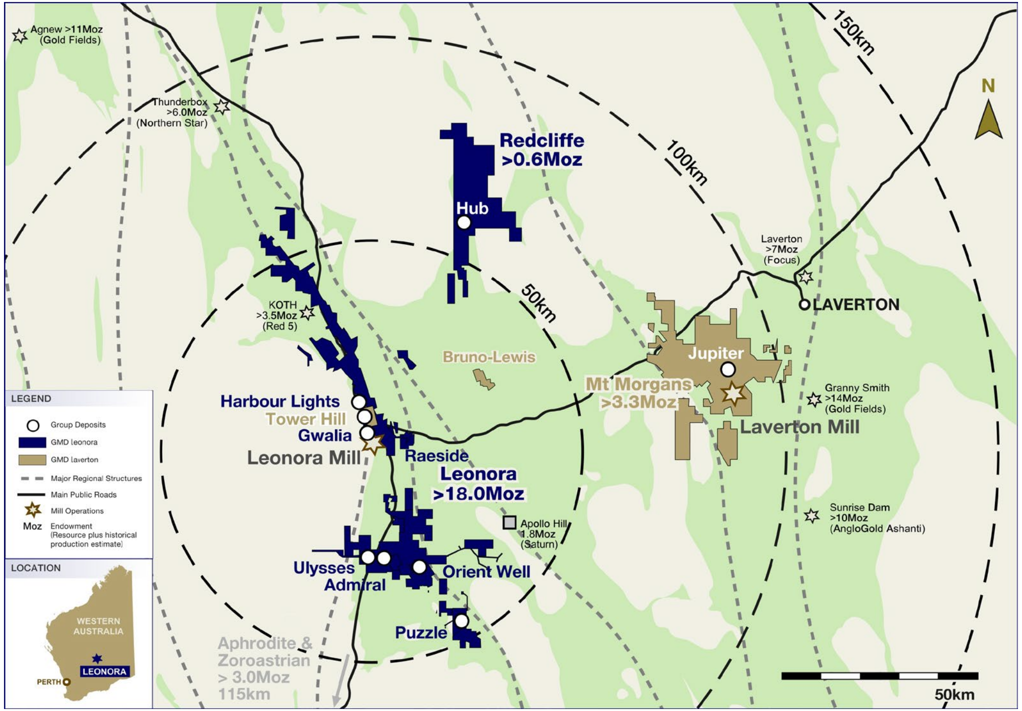
1. Excludes ~48m unquoted securities (~29m options at various exercise prices and ~19m retention and performance rights); 2. Cash and bullion is before payment of approximately A$41m transaction costs in relation to the acquisition of St Barbara's Leonora assets, the acquisition of 100% of Dacian, and the acquisition of the Bruno-Lewis and Kyte projects (payment anticipated in 2024).

100% focused on Leonora, Western Australia

- **Simple - One production centre** at Leonora
- **Flexible -** Two mills supplied with baseload ore, multiple "top-up" sources; "right ore into right mill" strategy
- **Progressive economics -** Rising volume / falling costs
- **Playing a "long game" -** Enviable gold inventory, strategic management team
- **What is most important to us?**
  - Trusted and progressive
  - Safety and community
  - People / succession planning
  - Sector-leading, fully-funded growth

➡ **TOTAL SHAREHOLDER RETURNS**

Dominant position in the prolific Leonora District



Following an intense period of corporate activity, Genesis is focused on accelerated organic growth

FY24 highlights

Genesis meets guidance and accelerates fully-funded organic growth strategy:

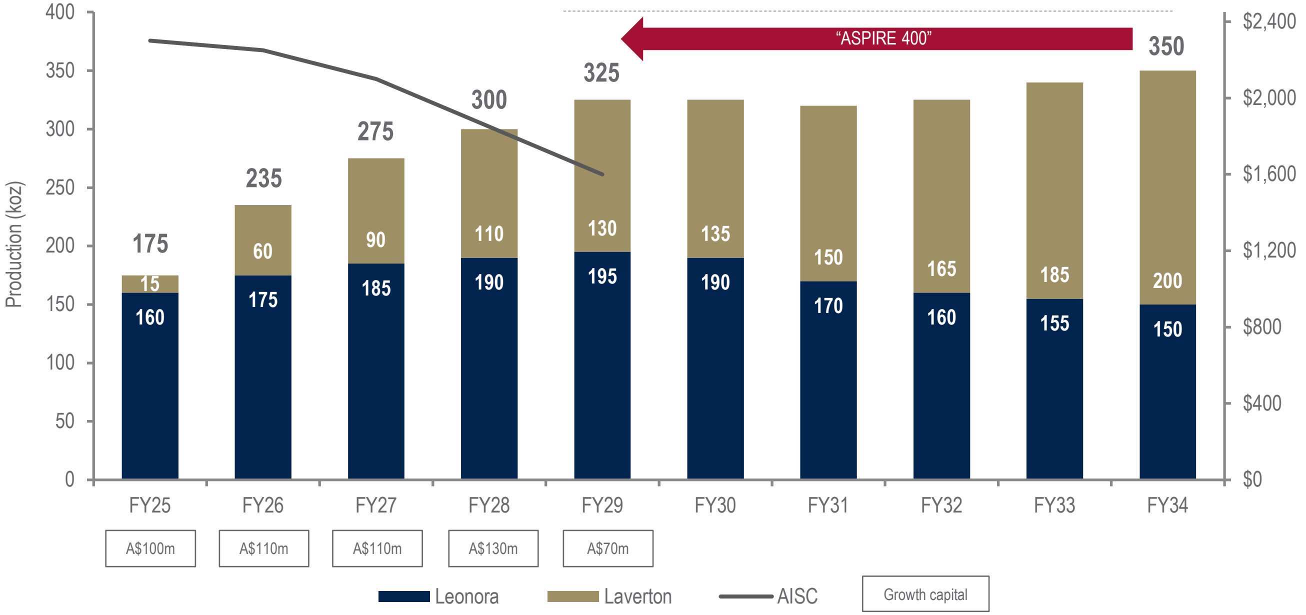
- **Safety: TRIFR reduced to 8.3** (v 10.4 July 2023)
- **FY24 production: 134,451oz at AISC A$2,356/oz** (v guidance 130-140,000oz at A$2,300-2,400/oz)
- **Closing ore stockpile: 314kt** (v 5kt 30th June 2023); Focus on **"future-proofing our business"**
- **Cash / bullion: A$173m** (after investing A$101m on growth capital and exploration); **No debt**
- **Expedited growth projects:** Rapid development at Ulysses, Admiral ramped-up (commercial production declared), potential earlier re-start of Laverton mill, early acquisition of Leonora Lodge
- FY24 **EBITDA A$105-115m**[1] / Underlying **NPAT A$25-30m**[2] (unaudited)

1. EBITDA is a measure of earnings before interest, taxes, depreciation and amortisation. EBITDA is non-IFRS financial information and is not subject to audit. This measure is included to assist investors to better understand the performance of the business; 2. Underlying profit after tax assumes a 30% tax rate on the underlying profit before tax. Statutory profit after tax is expected to be significantly higher than the underlying profit after tax due to the recognition of previously unrecognised tax losses, resulting in a one-off tax benefit recognised in FY24.

BASE CASE Group production outlook

More ounces and less cost, year-on-year:

Group production and cost outlook[1,2]



FY25 guidance to be updated in September

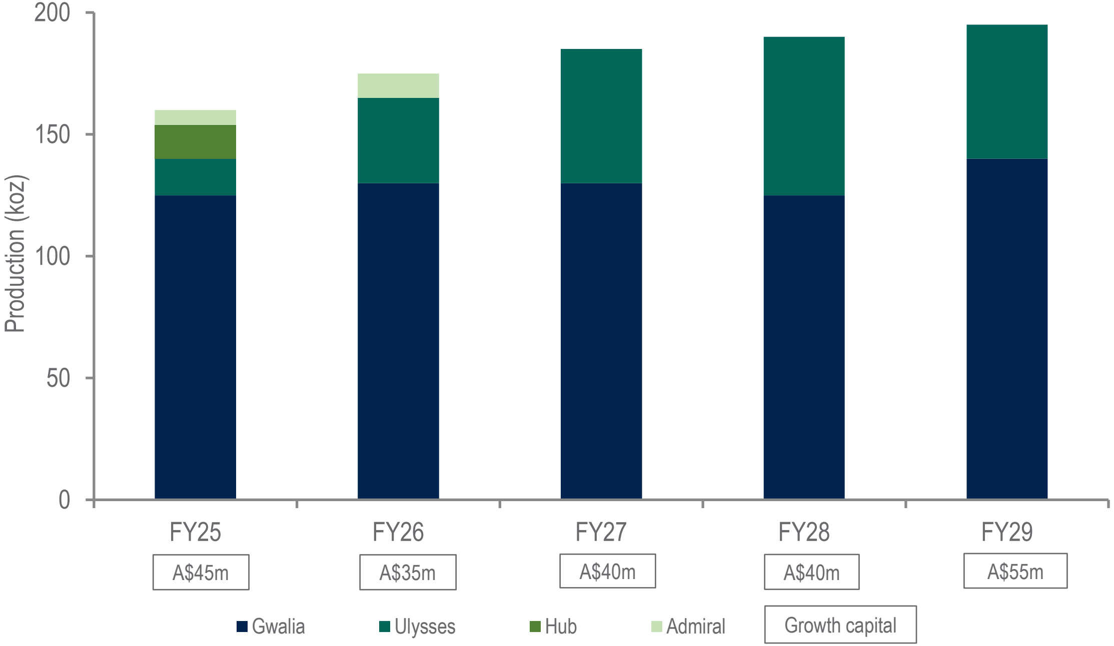
- **3Moz production over 10 years**
- **High confidence** - 91% in Reserves
- **Fully funded** - Operating cash flows, cash and bullion - A$173m[3], no bank debt; Establishing a corporate debt facility
- **Declining AISC** - As quantity / quality of ounces increases; **Declining AIC** - As growth capital rolls off
- **Assumes no further exploration / M&A**
- **Studies underway to bring forward ounces "ASPIRE 400*":**
  - **Optimisation**
  - **Expansion**
  - **Earlier milling of stockpiles** ~8Mt / ~280koz by FY29
  - **Other…**

1. Refer to GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves" for the material assumptions relating to the production target. 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; 2. FY25-29 production at mid-point (within a range of +/- 7.5%), AISC at mid-point (within a range of +/- A$100/oz); 3. At 30th June 2024; * Aspirational goal.

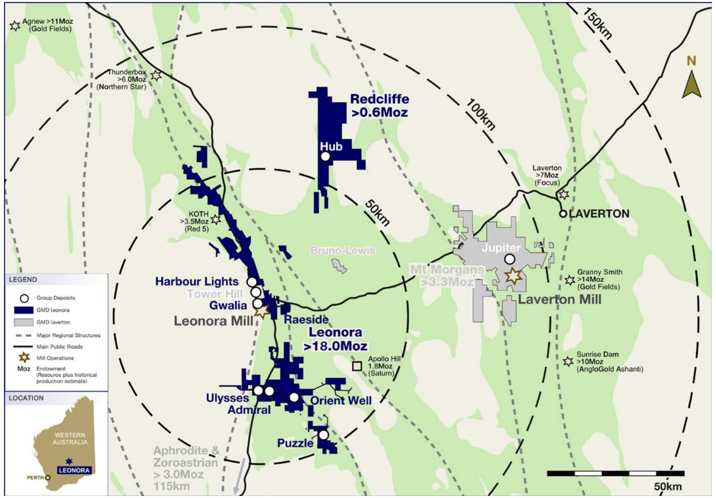
Leonora - Overview

The first 180-200:

Leonora production outlook[1]



FY25 guidance to be updated in September



Simple plan

- Transition **Gwalia to "quality > quantity"**
- **Ramp-up new Admiral open pit** to "fill the mill"
- **Start new Ulysses underground**

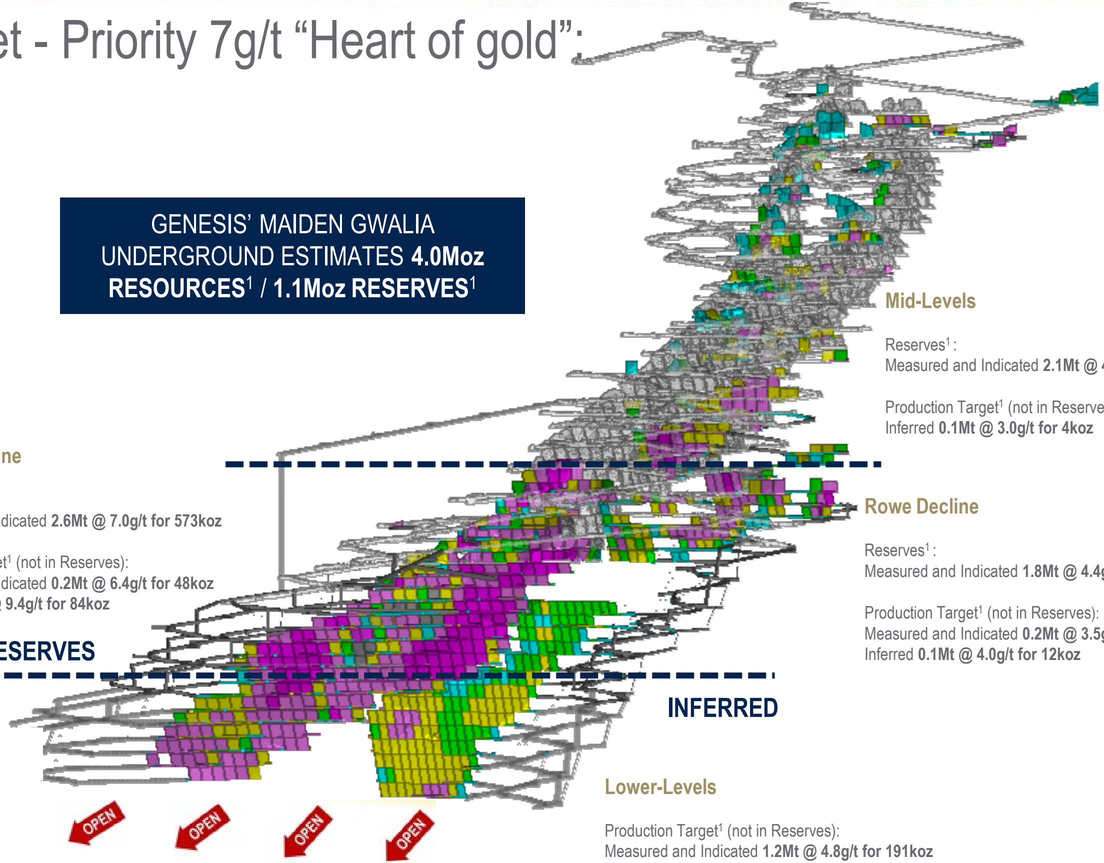
1. Refer to GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves" for the material assumptions relating to the production target. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised.

Gwalia - “Quality > quantity”

Prolific high-grade, long-life asset - Priority 7g/t “Heart of gold”:

- **7.0g/t “Heart of Gold”**…blended with **4.2g/t Mid-Levels**
- Followed by Rowe Decline 4.4g/t (A$120m growth capital)
- Grade control drilling success = Positive implications at depth
- Recent “Heart of Gold” drill results include **7m @ 329.0g/t, 16m @ 12.5g/t, 10m @ 18.7g/t** and **4m @ 25.7g/t**
- **Extensive opportunities to grow Reserves** via conversion of 2.7Moz[2] of Measured and Indicated Resources (not in Reserves)

GENESIS’ MAIDEN GWALIA UNDERGROUND ESTIMATES **4.0Moz RESOURCES[1] / 1.1Moz RESERVES[1]**



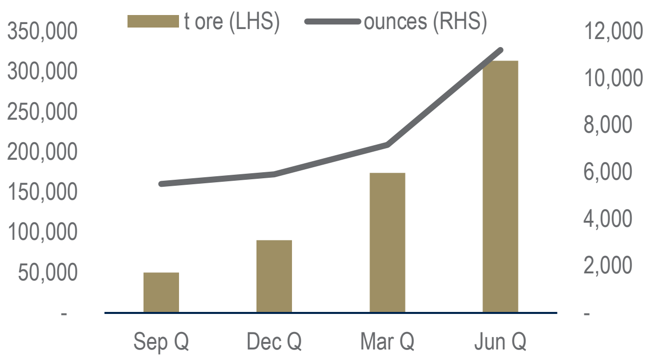
1. Refer to GMD ASX announcement 21st March 2024 “Growth strategy underpinned by robust Reserves” for Gwalia Ore Reserves, Gwalia Mineral Resources, and the material assumptions relating to production targets. There is a low level of geological confidence associated with Inferred Mineral Resources and 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. 2. Derived by subtracting Gwalia Ore Reserves from Gwalia Measured and Indicated Mineral Resources

Early wins

May our stocks go up:

- **Surface ore stockpiles** (inventory awaiting processing) **increased significantly in Genesis' first 12 months of ownership to ~314,000t** (up from ~5,000t at 30th June 2023)
- This is **in line** with Genesis' **long-term strategy to "future-proof" the business**

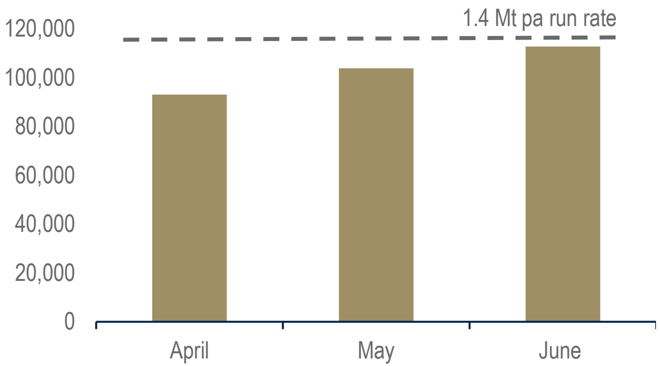
Surface ore stockpiles building



Filling the mill:

- **Throughput performance continues to increase** at the Leonora mill with the addition of more Admiral open pit ore
- **Total ore milled in FY24 stands at 1.15Mt**, the **highest since FY15**
- Impressive month-on-month improvements placed processing rates on **the cusp of achieving the 1.4Mt pa target** at the end of the June quarter

Ore milled (t) last 3 months



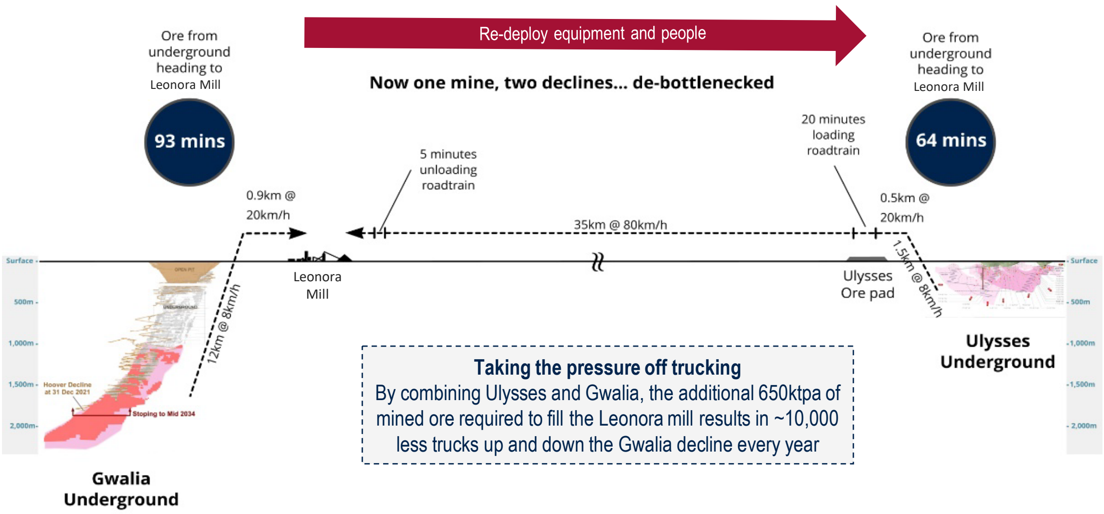
Ulysses - At one with Gwalia

Plan unchanged from December 2022:

- **Surplus equipment / people at Gwalia…**
  - *e.g. Trucks reduced to 10 (from 14)*
  - *e.g. Jumbo drills reduced to 2 (from 5)*
- **…re-deployed at new shallow Ulysses i.e. shared fixed costs / lower group costs**
- **+5 years of mining from FY24:**
  - Soft ore from 50m below surface
  - Excellent geotechnical conditions
  - Top 150m de-risked with 10 x 12.5m drill spacing
- **Geological opportunities include open at depth, potential repeats** - Untested, based on Admiral learnings on same trend

Two becomes one

		Gwalia	Ulysses full scale[2]	Combined
Annual mining rate	Mtpa	**0.7 - 0.8**	0.6 - 0.7	1.3 - 1.5
Annual gold production	kozpa[1]	**120 - 130**	60 - 70	180 - 200



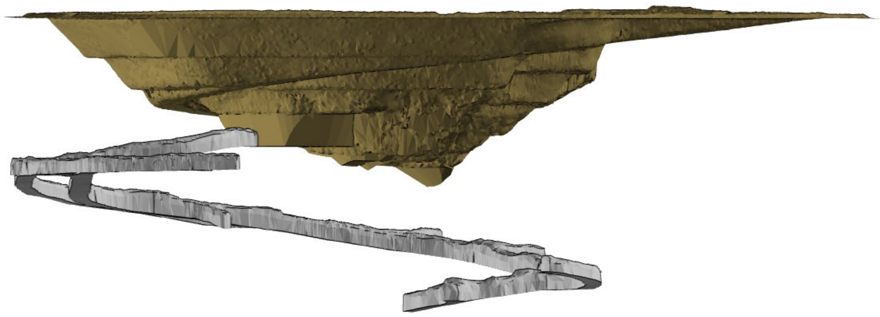
1. Refer to GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves" for the material assumptions relating to the production target. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised. 2. Full scale ramp-up in FY26.

Ulysses on the move

There's a new kid in town:

- Access portal cut late in the March quarter
- **Rapid capital development -** 940m advanced to 31st July (**55% ahead of schedule** in the Five-year Plan)

Ulysses decline

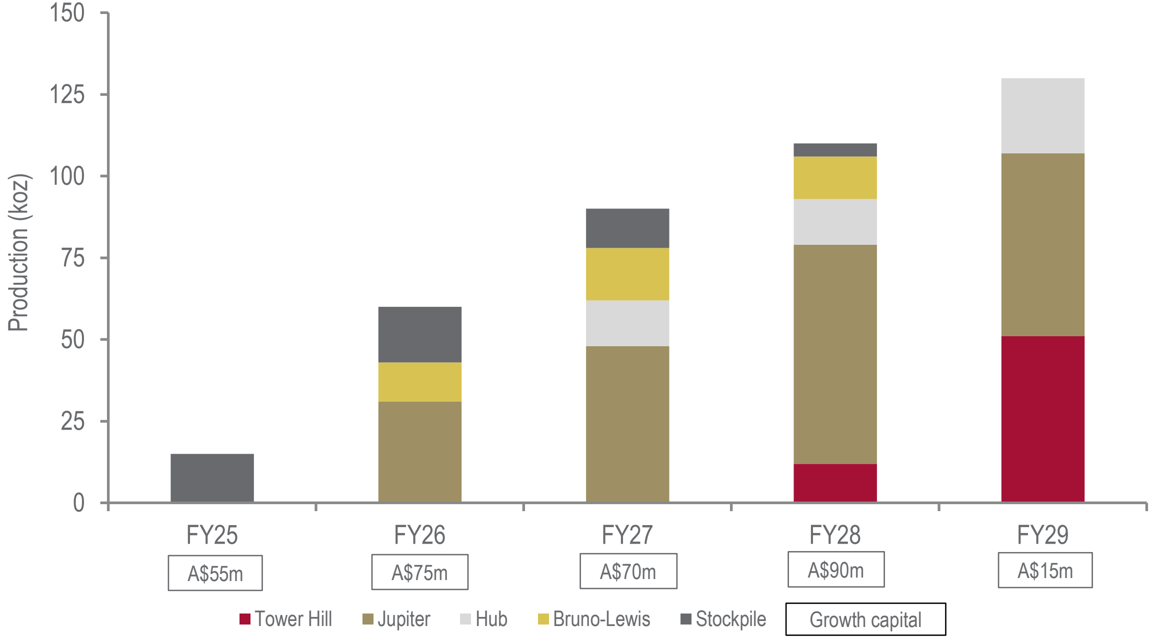


- **First delivery of development ore to the mill** anticipated **September quarter 2024**
- **First stoping** anticipated **late 2024 / early 2025**

Laverton - Overview

Growth to +300:

Laverton production outlook[1]



FY25 guidance to be updated in September

Simple plan

- **Re-start the mill** late FY25
- **Initial baseload ore from Jupiter** (adjacent to the mill) and stockpile, **plus Bruno-Lewis**
- **Add Tower Hill** bulk high grade

1. Refer to GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves" for the material assumptions relating to the production target. 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.

Laverton on the move

Potential earlier re-start of the Laverton mill:

- Recent **accelerants** (i.e. post Five-year strategic plan) include:
  - **Water** - Early licence approvals granted, significantly improved site water balance following recent rainfall in the WA Goldfields
  - **Hub project** - Early approval of site earthworks for open pit development
  - **Tower Hill project -** Early advice received from the Environmental Protection Authority (EPA, WA Government):

    "the EPA determined to not assess that proposal on the basis the matters could be largely managed through secondary approvals"

    i.e. Tower Hill can be managed via the standard WA mining approval process

Potential earlier re-start of the Laverton mill

i.e. in advance of the late FY25 start-up flagged in the March 2024 Five-year Plan

Mill has been on "hot" care and maintenance since March 2023…

…providing momentum for strong early progress

FY25 guidance to be updated in September

Laverton on the move

Pre-start meetings, mill re-start schedules, Leonora Lodge acquired, scaffolding, Hub site clearing… and more

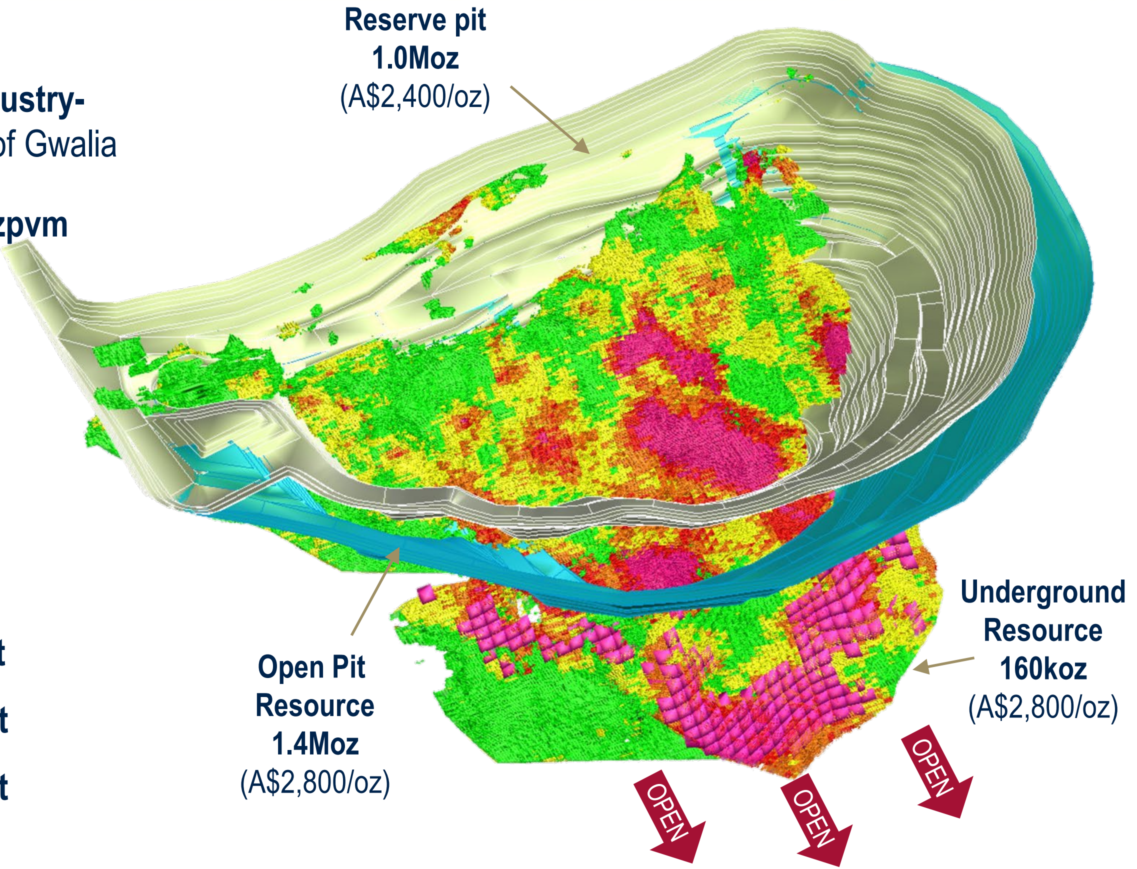
The Australian growth stock

Tower Hill - One of a kind

Grade, scale, simplicity:

- **Shallow, bulk mining opportunity** with an **industry-leading open pit grade** - Just over 1km north of Gwalia
- **Single open pit - Strike length +1km, 4,000ozpvm**
- Since acquisition Genesis has focused on:
  - **Engagement with key stakeholders**
  - **Technical and financial studies**
  - **Drilling** and **growth**
- **Abundance of >200gm drill intercepts**:

55m @ 3.9g/t	**50m @ 5.0g/t**	**51m @ 4.4g/t**
50m @ 4.7g/t	**44m @ 5.4g/t**	**49m @ 5.5g/t**
51m @ 4.6g/t	**50m @ 4.8g/t**	**41m @ 5.5g/t**



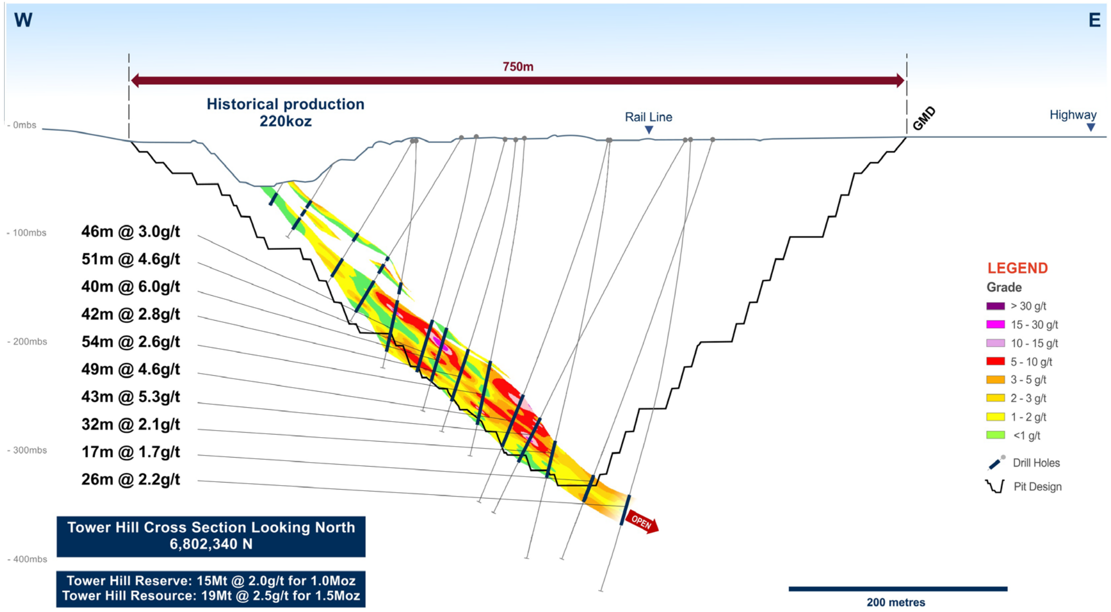
Only tested to ~450m depth despite being just over 1km from Gwalia (>2km depth)

Tower Hill - One of a kind

Outstanding growth asset:

- **Growth driven by**:
  - **Drilling success** and **model update**
  - **Lower Laverton milling costs** plus **larger equipment** and **lower GMS mining costs**
- **7-year mine life**; 9 years of milling, ore haulage to Laverton capped at ~2Mtpa
- **Growth capital:** Site infrastructure including rail A$80m (FY24-FY27), pre-stripping A$120m (FY27-FY29); **Included in Laverton 5-year plan**
- **Operating strip ratio 9:1** (Reserve pit, waste:ore)
- **Further growth anticipated** via extensional drilling and optimisation

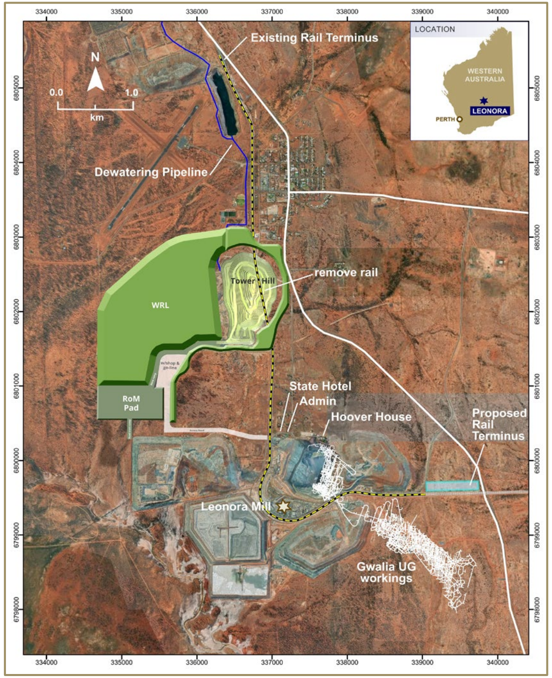
Tower Hill cross section



Tower Hill - One of a kind

First ore FY28:

- Project advancing towards production; **Key milestones** include:
  - **Stakeholder Engagement** - Leonora Shire and Community, and State Government
  - **Environmental** - Noise, vibrations and dust; EPA advice received that Tower Hill can be managed via the standard WA mining approval process
  - **Heritage** - Recently signed a Negotiation Protocol with the Traditional Owners, Darlot mob; Now working towards a full Mining Agreement **(confidential)**
  - **Rail** - Shortening the line by 8km and away from town (community benefits include reduced noise and dust), alignment with stakeholders on relocation of facilities in rail corridor well progressed **(confidential)**



Reserves NOW

Dewatering underway April 2024

Submit Mining Proposal June H 2026

Rail Approvals and FID December H 2026

Start mining June H 2027

First ore FY28

Mine Design Optimisation Studies - Growth Opportunities

Permitting and Approvals

Site Infrastructure Construction

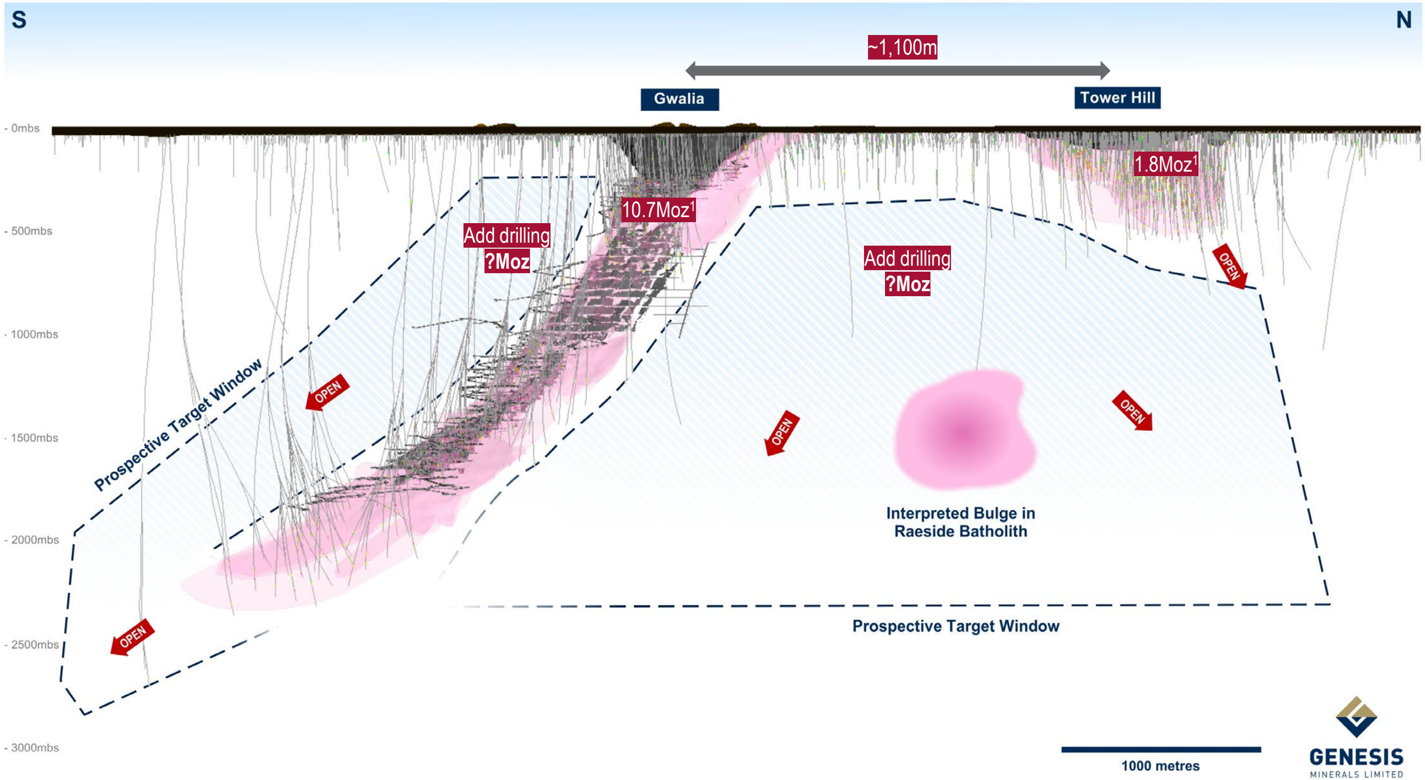
Tower Hill Mining

Dewatering

Can two become one?

In the shadows of giants:

Gwalia / Tower Hill gap



- Limited shallow drilling...
- ...despite being the best place to find more gold
- Extensions are likely
- Repeats are likely

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1. Endowment = Mineral Resources plus historical production estimates.

"ASPIRE 400"

Upside[1] - NOT included in 10-year plan:

	First ounces: NOW	5 years	10 years	
Gwalia Resources to Reserve Conversion				3.4Moz[2]
Gwalia Underground Extensions (lateral and depth extensions)				?Moz
Hub Underground (drilling and studies)				?Moz
Ulysses Underground Extensions (drill tested to only 350m + Pit to underground)				?Moz
Gwalia Open Pit Resource (Optimised pit at A$2,800/oz)				0.6Moz[1]
Tower Hill Open Pit Resource (Optimised pit at A$2,800/oz)				0.4Moz[3]
Tower Hill Underground Resource (Drill tested to only 450m)				0.2Moz[1]
Westralia Resource (open pit and underground potential)				1.1Moz[1]

Excludes Refractory deposits Aphrodite / Harbour Lights 2.5Moz[1]

1. For Resources and Reserves refer to GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves"; 2. Derived by subtracting Gwalia Ore Reserves from Gwalia Mineral Resources; 3. Derived by subtracting Tower Hill Open Pit Ore Reserve from Tower Hill Open Pit Mineral Resources.

Ready set grow

- We are **a new Australian gold house, 100% focused on Leonora**
- We are targeting **sustainable, high-quality production and earnings growth**
- We play the **"long game":**
  - **Enviable gold inventory**
  - **Strategic management team**
  - **Future-proofing** through the gold price cycle
- We have the **assets, people and balance sheet to deliver the "ASPIRE 400" vision**
- We are positioned to **"fill the gap" between the ASX 100 gold producers and the rest**

APPENDIX A: Plan on a page - ASPIRE

VISION AND VALUES

"The trusted Australian gold miner - Progressive, high quality, +400koz pa*"

Fill the vacuum with premium "Aussie-leader" characteristics

Our **Core Values** drive our culture and leadership - **"ASPIRE"**

__A__ccountable
__S__ustainable
__P__eople First
__I__ntegrity
__R__esults
__E__mpower

DELIVER SUPERIOR TSR

PEOPLE FIRST

We mine safely - Protecting our people, our environment, our communities

"One-stop shop" for career development

Remuneration aligned with shareholder returns

Strong focus on community engagement

Loyal, engaged and committed for the long term

Thinking and acting like OWNERS

Target = 100% of employees own GMD shares

PRODUCTION GROWTH

Relentless focus on operational execution and delivery

Industry-leading, profitable production growth

Year-on-year
Leonora
+ Laverton to 300koz pa
+Tower Hill… __"ASPIRE 400"__

Assets and people in place

Sustainable:

+300koz for +10 years on Reserves

LOWER COSTS

Declining all-in sustaining costs

Increasing production alleviates industry cost pressures

Declining all-in-costs

As growth targets are achieved and growth capital rolls-off

Structural cost improvement from high grade Tower Hill open pit development

"Future-proofing" - Making margins more resilient to price cycles

M&A

Discipline first - Track record of sensible accretive M&A

Strategy, process, team / capabilities, quality, value per share

Key tenet is to up-tier the portfolio

Constantly ranking assets we own v assets we don't own

Regional synergies with "home ground advantage"

"Bolt-on" opportunities - Leverage existing infrastructure and improve life-of-mine plans

Divestment of non-core assets

PROGRESSIVE ESG - FY25 Inaugural Sustainability Report, followed by ESG road show

* Aspirational goal

GENESIS
MINERALS LIMITED

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