



ACCELERATE

DENVER GOLD FORUM, COLORADO SPRINGS
SEPTEMBER 2024



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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 21st March 2024 "Growth strategy underpinned by robust Reserves"
- Production Targets for the Genesis' projects are extracted from Genesis' ASX announcements 21st March 2024 "Growth strategy underpinned by robust Reserves" and 2nd September 2024 "Genesis increases FY25 production outlook"
- Exploration Results for Gwalia and Tower Hill are extracted from Genesis' ASX announcement 21st March 2024 "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.

No Liability

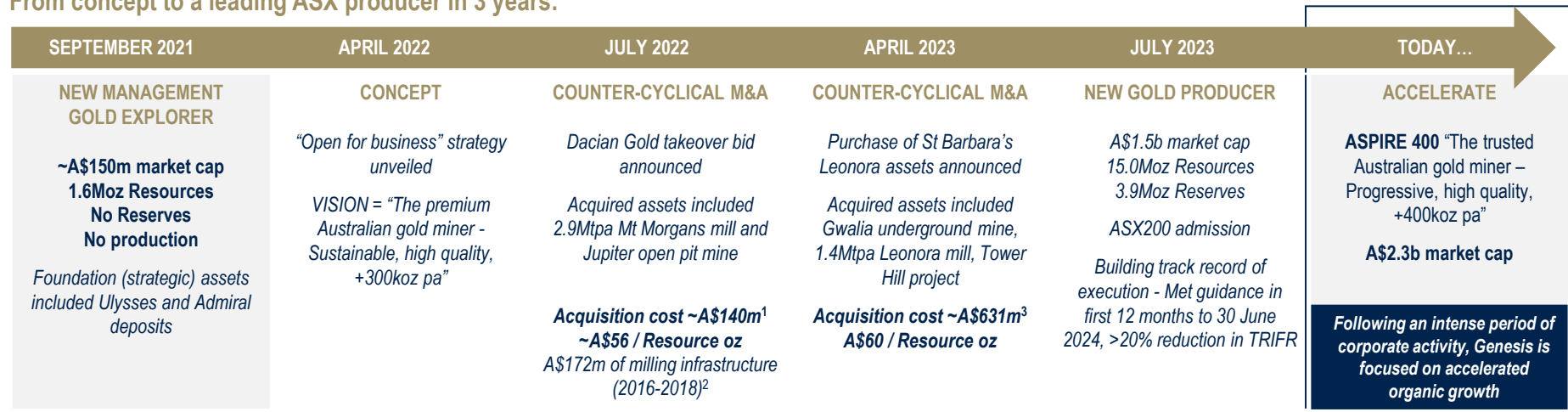
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Release authorised by: Raleigh Finlayson, Managing Director, Genesis Minerals Limited.

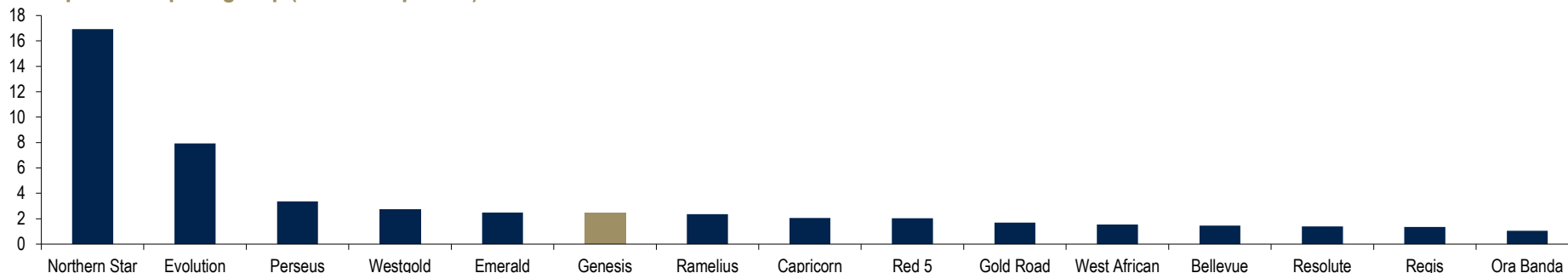
The journey thus far...



From concept to a leading ASX producer in 3 years:



ASX producer peer group (market cap A\$b⁴)



1. Blended price - Refer to Genesis ASX announcement 5th July 2022 "Acquisition of Dacian Gold and Capital Raising" (acquisition of initial 80% of Dacian) and Genesis ASX announcement 16th October 2023 "Recommended offer to acquire remaining 20% of Dacian"; 2. Mt Morgans Feasibility Study 21st November 2016; 3. Refer to Genesis ASX announcement 15th May 2023 "Genesis on track to acquire St Barbara Leonora assets"; 4. Market Capitalisation as at close of trading on 9th September 2024.

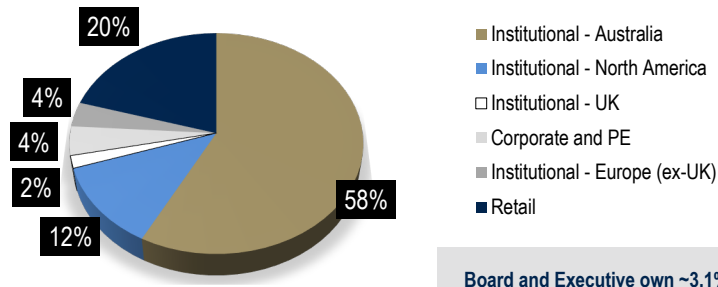
Corporate overview



Key metrics (ASX: GMD)¹

Shares on issue	1,128m ¹
Share price	A\$2.08
Market capitalisation	A\$2.3b
Cash and bullion 30th June 2024	A\$173m²
Bank debt	Nil
Liquidity	30-day ADV 5.3m shares
Index inclusions	ASX200, MSCI Small cap, GDX, GDXJ
Hedging	Forwards 18koz @ 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)

Ownership - Geographic



Board and Executive own ~3.1%

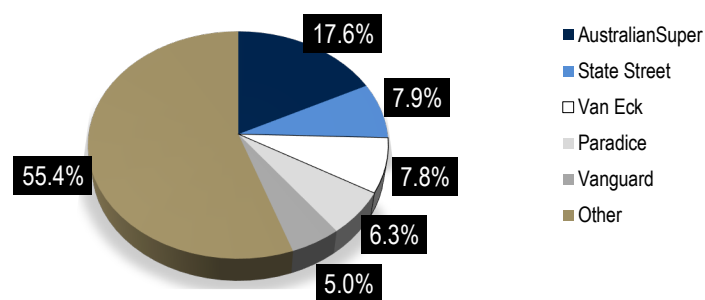
Board

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 - Substantials



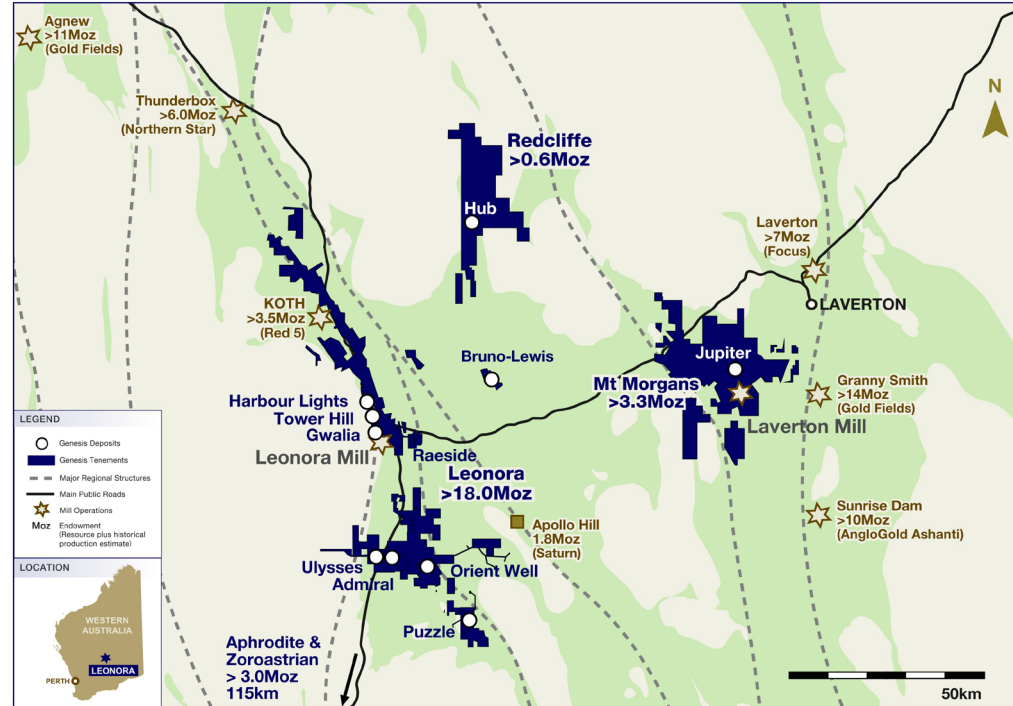
1. Excludes ~36m unquoted securities (~17m options at various exercise prices and ~19m retention and performance rights); 2. Cash and bullion is before payment of approximately A\$41m transaction costs in relation to the acquisition of St Barbara's Leonora assets, the acquisition of 100% of Dacian, and the acquisition of the Bruno-Lewis and Kyte projects (payment anticipated in FY25).

100% focused on Leonora, Western Australia



- ▶ **Simple and flexible:**
 - **One production centre**
 - **Two mills** - Ore flows west to Leonora 1.4Mtpa or east to Laverton 3.0Mtpa; **Total 4.4Mtpa**
 - **Baseload ore** (Gwalia, Tower Hill) plus “top-ups”
- ▶ **Progressive economics** - Rising volume / falling costs / rising cash flows
- ▶ **Playing a “long game”** - Envious gold inventory, strategic management team, “future-proofing”
- ▶ **What is most important to us?**
 - Trusted and progressive
 - Safety and community
 - People / succession planning
 - Sector-leading, fully-funded growth

Dominant position in the prolific Leonora District; “Right ore into right mill” strategy



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

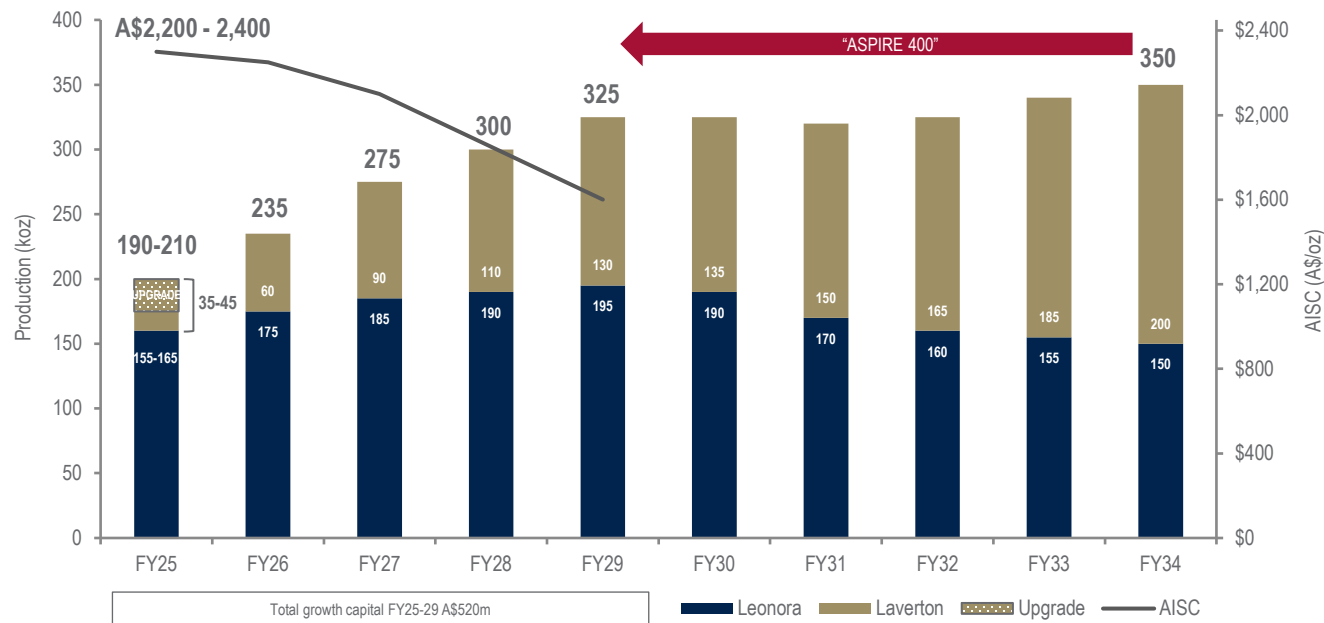
➡ **TOTAL SHAREHOLDER RETURNS**

BASE CASE 10-year plan



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

Group production and cost outlook^{1,2,3}



FY25 UPGRADED to 190 - 210koz at AISC A\$2,200 - 2,400/oz; Growth capital A\$125m

- ▶ **3Moz production over 10 years**
- ▶ **High confidence** - 91% in Reserves
- ▶ **Fully funded** - Operating cash flows, cash and bullion A\$173m⁴
- ▶ **Declining AISC** - As quantity / quality of ounces increases
- ▶ **Declining AIC** - As growth capital rolls off; FY25 anticipated to be peak year for investing in growth
- ▶ **Assumes no further exploration / M&A**
- ▶ **Studies continue to bring forward ounces "ASPIRE 400"**³:
 - **Optimisation**
 - **Expansion**
 - **Earlier milling of stockpiles** ~8Mt / ~280koz by FY29
 - **Other...**

1. Refer to Appendix B or 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. Refer to GMD ASX announcement 2nd September 2024 "Genesis increases FY25 production outlook" for FY25 production, AISC and growth capital outlook; 3. FY26-29 production at mid-point (within a range of +/- 7.5%), AISC at mid-point (within a range of +/- A\$100/oz); 4. At 30th June 2024; * Aspirational goal.

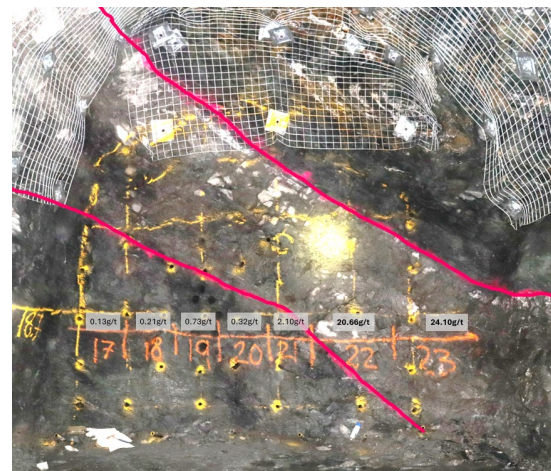
First step taken in accelerated growth strategy



FY25 outlook lifted:

- ▶ Mine and mill preparations running ahead of schedule
- ▶ Laverton mill to re-start in October 2024, six months early
- ▶ Open pit mining underway at Hub - 3.4g/t, >80% oxide
- ▶ FY25 outlook increased to 200koz at AISC A\$2,300/oz¹; Production to progressively increase over FY25 culminating in lower AISC²
- ▶ First step in accelerated growth strategy; Further “ASPIRE 400” initiatives include:
 - Ulysses - Acceleration of underground development
 - Tower Hill - Ongoing early development works, open pit and underground optimisation studies
 - Hub - Extensional drilling and underground studies
- ▶ Leonora mill consolidating at 1.4Mtpa target

High grade ore development underway at Ulysses



Canaccord “Scope for further accelerated production growth”³

Scope for further accelerated production growth. The increase in production outlook is consistent with our view that the company’s five-year outlook (released in March 2024), which envisages production increasing to ~325koz by FY29, is conservative and can be incrementally accelerated. The FY25 upgrade demonstrates this clearly, and looking to FY26 and beyond, we continue to see good scope for other aspects of the portfolio to be accelerated which could potentially bring forward the targeted ~325koz production rate (CGe FY29). GMD’s Tower Hill remains the biggest lever in terms of meaningfully fast-tracking higher production rates, and we continue to see it as an asset that could beat our timing expectations (CGe first production 2H’FY28). We also highlight other opportunities across the portfolio including further acceleration of Ulysses UG development, extensional drilling and UG studies at Hub, as well as OP and UG optimisation studies at Tower Hill.

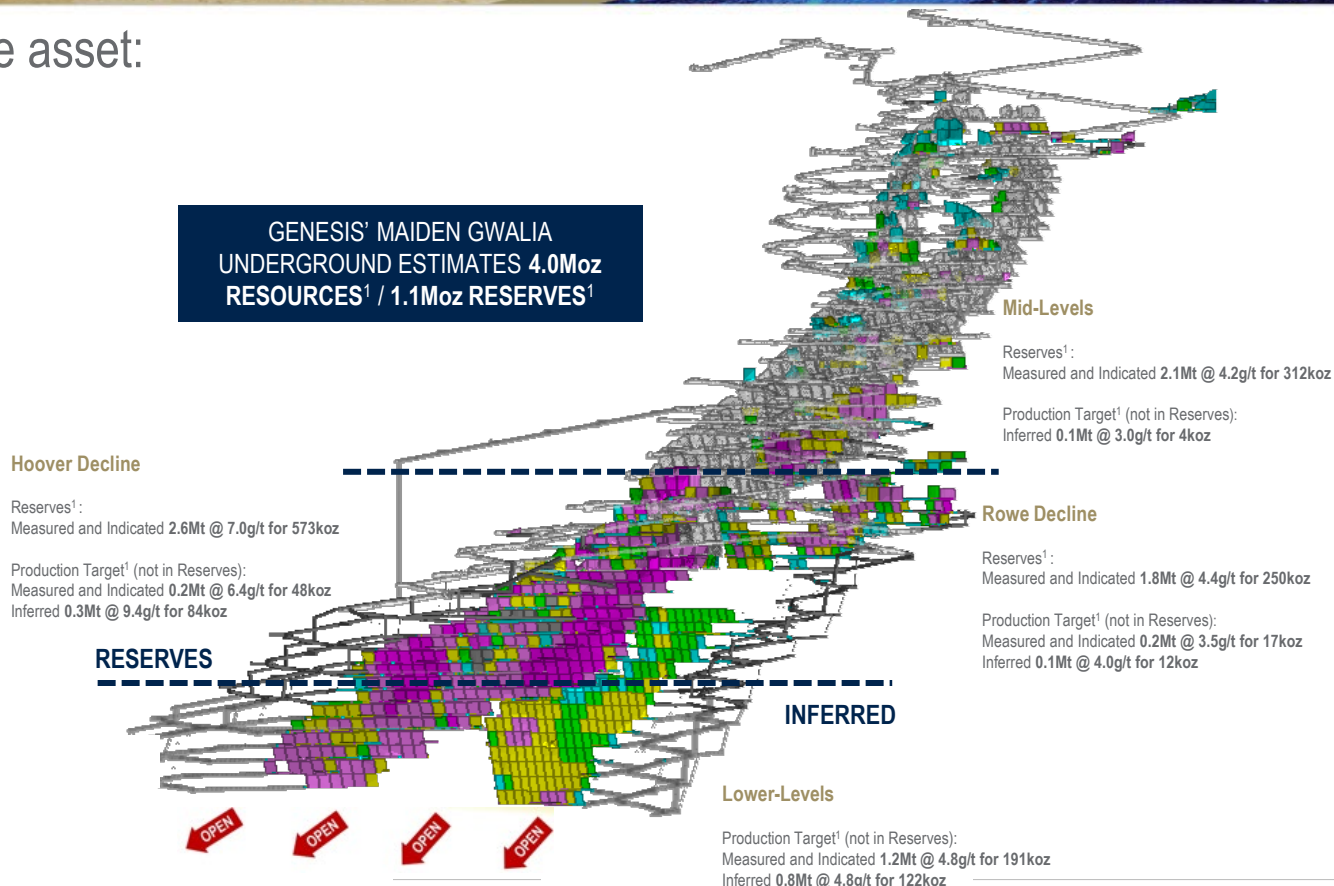
1. Mid-point of guidance range; 2. September quarter production and AISC outlook in-line with June quarter; 3. Excerpt from Canaccord Genuity Capital Markets research report 3rd September 2024 “FY24 result and FY25 guidance”.

Gwalia mine - “Quality > quantity”



Prolific high-grade, long-life asset:

- ▶ **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 2.7Moz² of Measured and Indicated Resources (not in Reserves)



¹. Refer to Appendix B or 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

Ulysses mine - At one with Gwalia



Operational strategy 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 Ulysses i.e. shared fixed costs / lower group costs

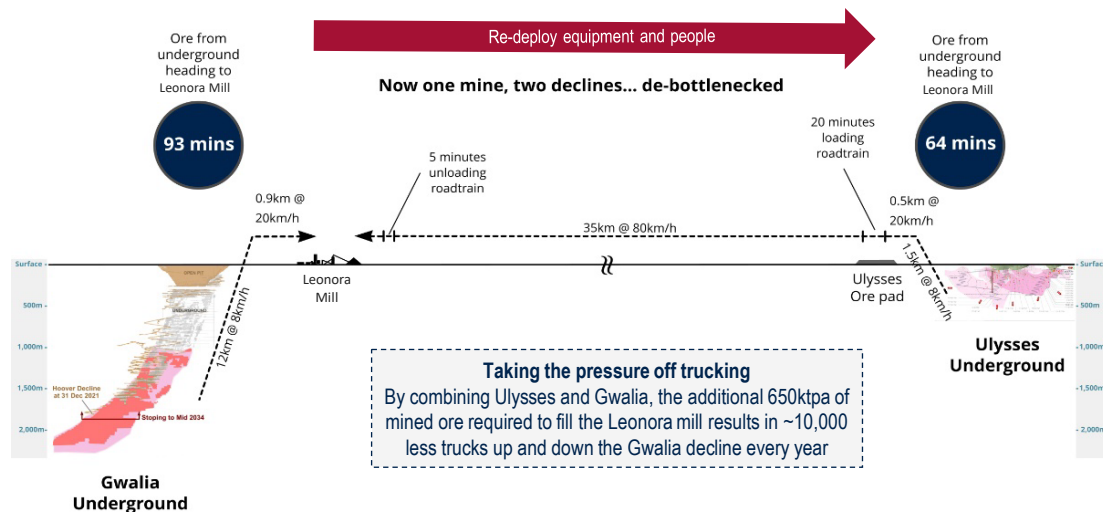
► +5 years of mining from FY24:

- 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



Tower Hill development - One of a kind



Grade, scale, simplicity:

- ▶ **Shallow, bulk mining opportunity** with an **industry-leading open pit grade** - Just over 1km north of Gwalia

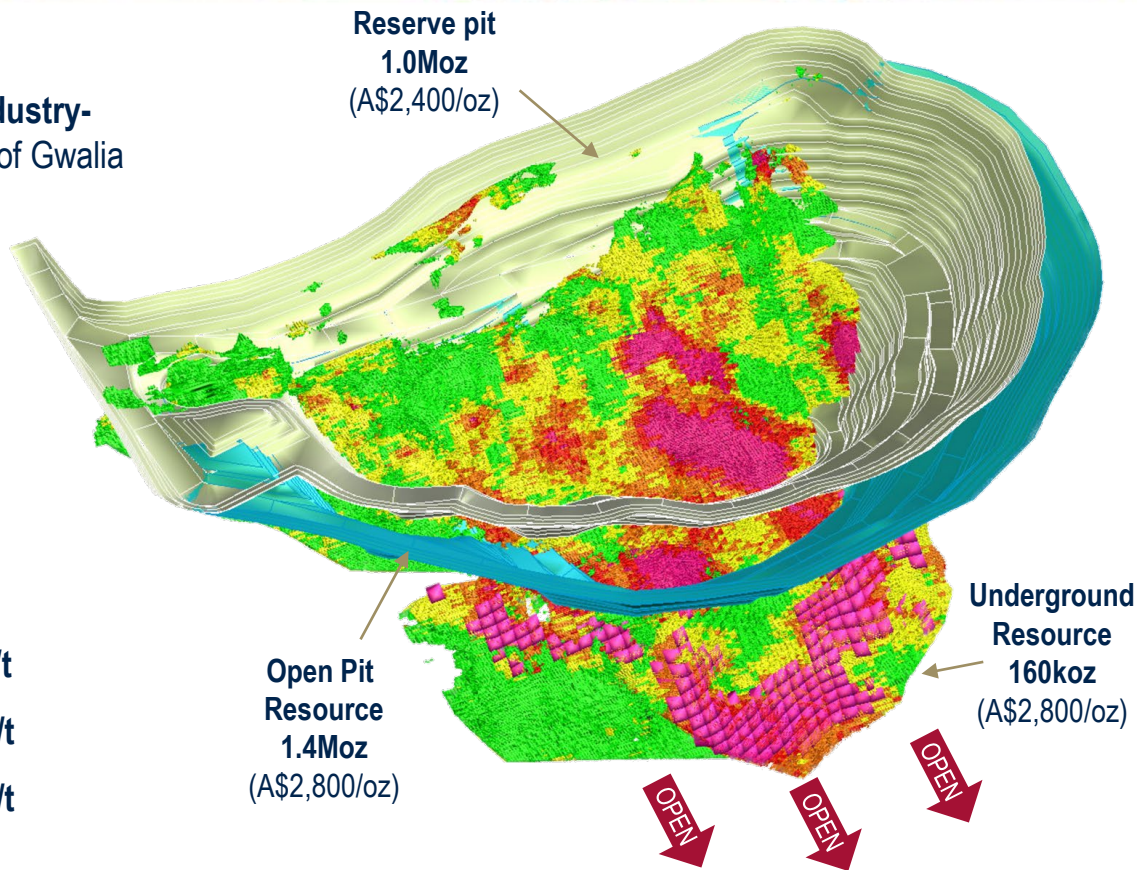
- ▶ **Single open pit - Strike +1km, 4,000ozpvm**

- ▶ 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)

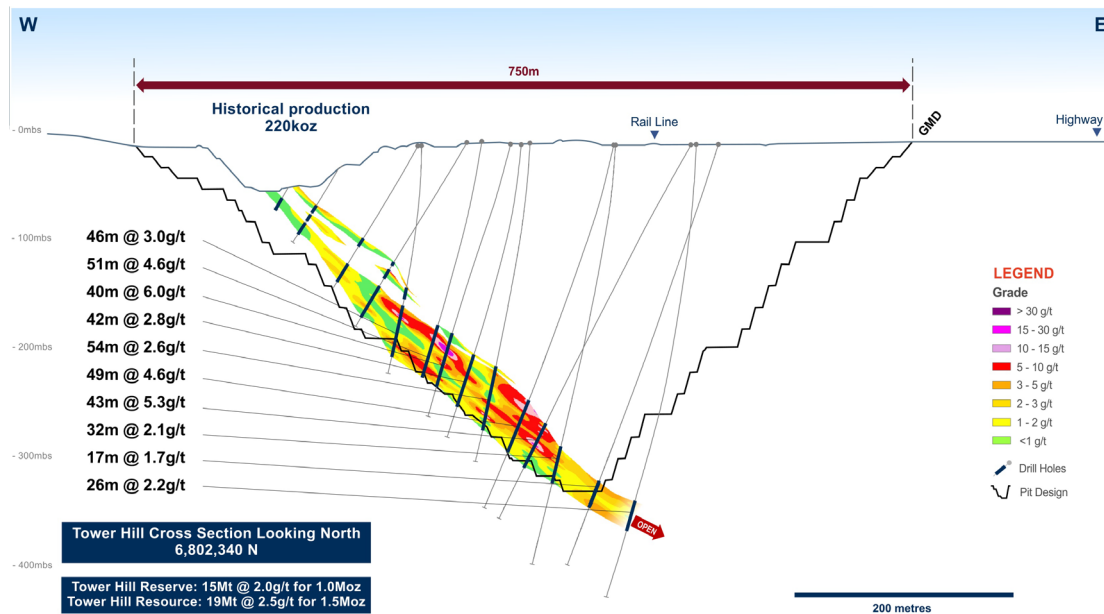
Tower Hill development - One of a kind



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 10-year plan**
- ▶ **Operating strip ratio 9:1** (Reserve pit, waste:ore)
- ▶ **Further growth anticipated** via extensional drilling and optimisation

Tower Hill cross section

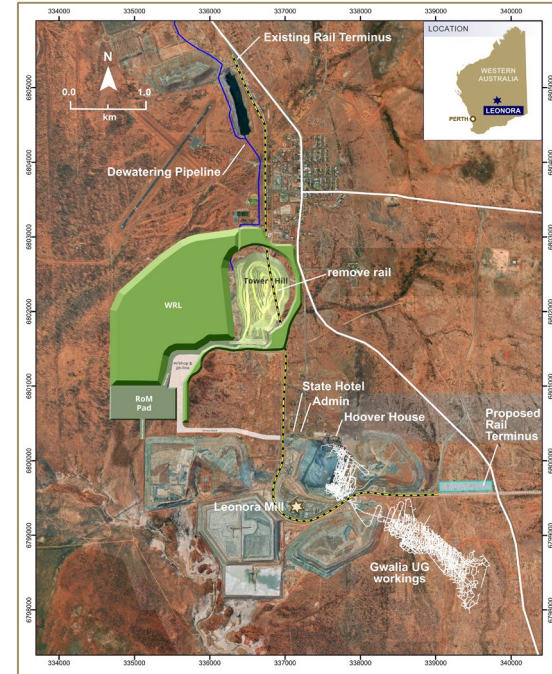
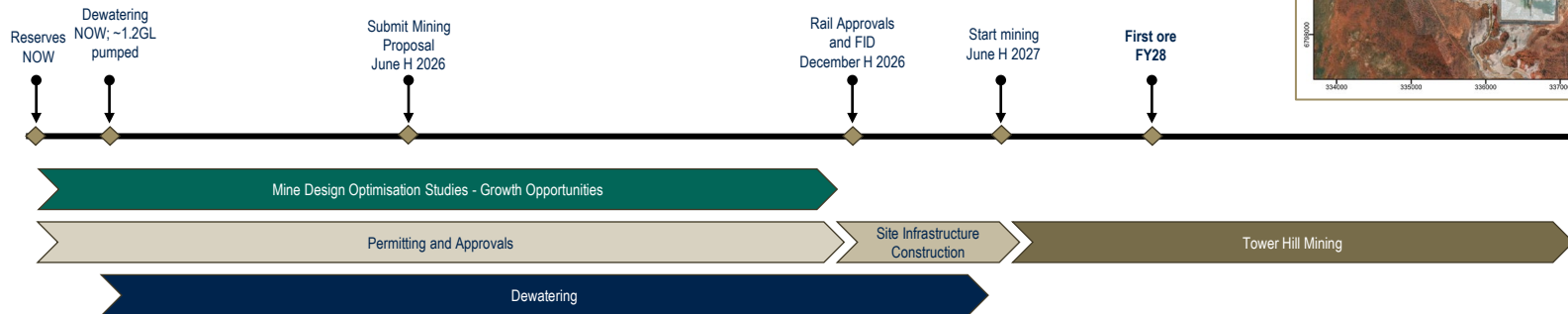


Tower Hill development - One of a kind



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**)

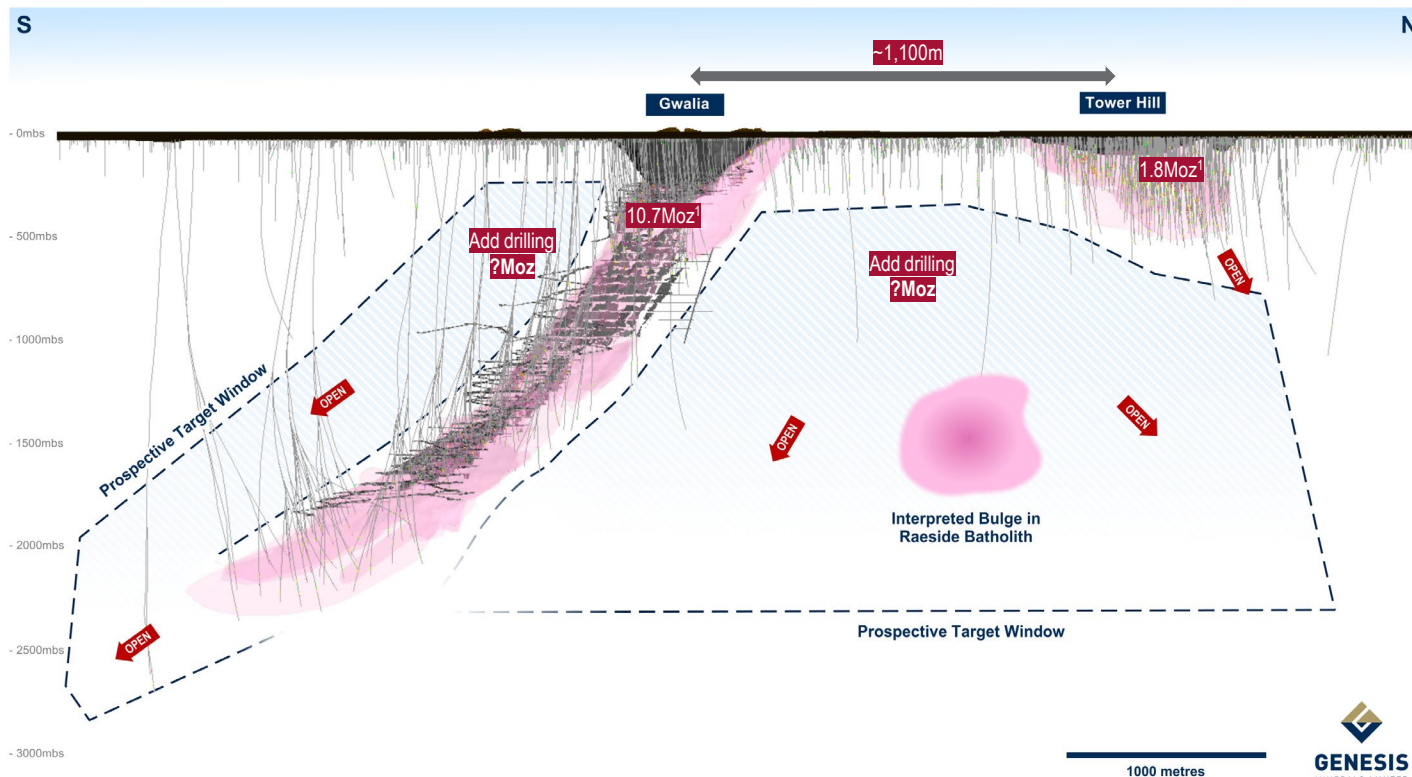


Can two become one?



In the shadows of giants:

Gwalia / Tower Hill gap

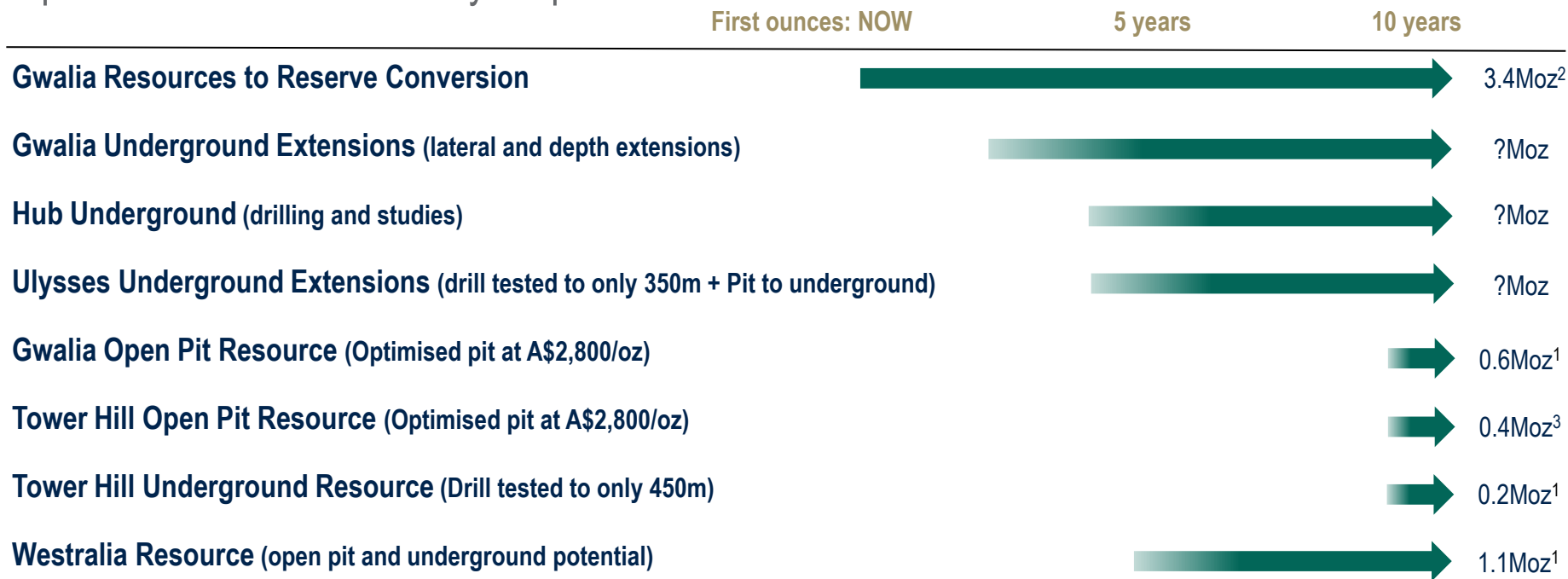


- ▶ Limited shallow drilling...
- ▶ ...despite being the best place to find more gold
- ▶ Extensions are likely
- ▶ Repeats are likely

“ASPIRE 400” learning journey



Upside NOT included in 10-year plan¹:



Excludes Refractory deposits Aphrodite / Harbour Lights

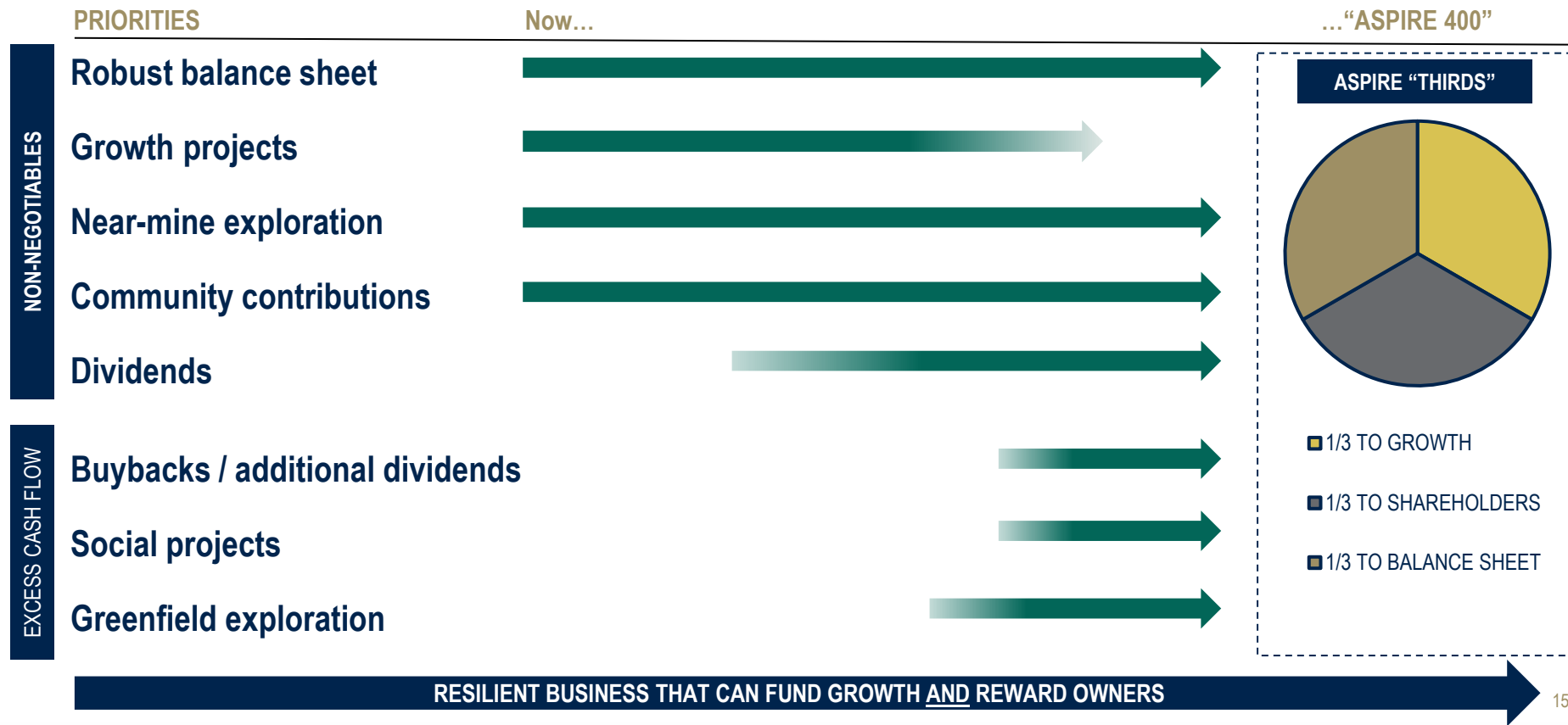
2.5Moz¹

1. For Resources and Reserves refer to Appendix B or 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.

Capital allocation



Progressive:



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**”:
 - **Enviably 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”**

*Accountable
Sustainable
People First
Integrity
Results
Empower*

**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

APPENDIX B - Resources and Reserves



2024 Mineral Resource Estimate Summarised by Area

Deposit	Measured			Indicated			Inferred			Total		
	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)
Leonora												
Gwalia	4,100	4.0	520	24,000	4.4	3,400	4,500	4.6	680	33,000	4.4	4,600
Harbour Lights	-	-	-	13,000	1.7	670	1,200	2.0	73	14,000	1.7	750
Tower Hill	-	-	-	18,000	2.5	1,400	1,400	3.0	130	19,000	2.5	1,500
Ulysses	1,600	3.8	190	4,100	3.5	460	2,200	2.9	210	7,900	3.4	850
Admiral Group	-	-	-	6,500	1.4	300	8,400	1.0	280	15,000	1.2	580
Orient Well Group	-	-	-	3,700	1.1	130	4,300	1.1	160	8,000	1.1	290
Puzzle Group	-	-	-	7,000	1.1	240	2,000	0.9	58	9,000	1.0	300
Laterite Deposits	-	-	-	570	0.7	12	200	0.7	4	770	0.7	17
Total Leonora	5,600	3.9	710	76,000	2.7	6,600	24,000	2.0	1,600	110,000	2.6	8,900
Laverton												
Cardinia West Group	770	1.2	31	8,000	1.1	270	3,700	0.9	100	13,000	1.0	410
Raeside Group	-	-	-	2,200	2.0	140	970	2.1	64	3,100	2.0	200
Westralia Group	310	4.5	45	3,700	4.0	470	6,400	2.9	590	10,000	3.3	1,100
Jupiter Group	620	1.2	23	11,000	1.0	370	13,000	1.1	440	24,000	1.1	830
Mt Marvel OP	-	-	-	1,200	1.2	45	340	1.2	13	1,500	1.2	58
Maxwells OP	-	-	-	170	0.9	5	500	0.8	12	660	0.8	17
Stockpiles	-	-	-	-	-	-	3,200	0.4	41	3,200	0.4	41
Total Laverton	1,700	1.8	99	26,000	1.5	1,300	28,000	1.4	1,300	55,000	1.5	2,700
Bardoc												
Aphrodite	-	-	-	18,000	2.0	1,200	7,900	2.0	500	26,000	2.0	1,700
Zoroastrian	-	-	-	4,500	2.4	350	2,500	2.2	180	7,000	2.3	520
Excelsior	-	-	-	9,600	1.0	310	1,700	0.8	41	11,000	1.0	350
Bardoc Satellite Open Pits	150	2.3	11	4,300	1.6	220	5,000	1.6	250	9,400	1.6	480
Total Bardoc	150	2.3	11	36,000	1.8	2,000	17,000	1.8	970	53,000	1.8	3,000
Redcliffe												
GTS	-	-	-	930	1.9	56	1,400	1.2	51	2,300	1.4	110
Hub	160	4.6	24	660	3.9	82	850	2.3	62	1,700	3.1	170
Nambi	-	-	-	720	2.7	62	850	2.8	76	1,600	2.7	140
Redcliffe Other	-	-	-	-	-	-	7,200	1.1	260	7,200	1.1	260
Total Redcliffe	160	4.6	24	2,300	2.7	200	10,000	1.4	450	13,000	1.6	670
Group Total	7,600	3.4	840	40,000	2.2	10,000	79,000	1.7	4,300	30,000	2.1	15,000

Notes:

All figures reported to two significant figures. Rounding errors may occur.

Mineral Resources are inclusive of Ore Reserves.

Mineral Resources are reported at various gold price guidelines between A\$2500 and A\$2800/oz Au.

Rounding may result in apparent summation differences between tonnes, grade and contained metal content.

Source: GMD ASX announcement 21st March 2024 "Growth strategy underpinned by robust Reserves"

2024 Ore Reserve Estimate by Area

Deposit	Proved			Probable			Total		
	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)	Tonnes (000s)	Grade (g/t Au)	Ounces (000s)
Leonora									
Gwalia	460	4.2	62	6,200	5.4	1,100	6,700	5.3	1,100
Tower Hill	-	-	-	15,000	2.0	1,000	15,000	2.0	1,000
Admiral	-	-	-	2,300	1.6	120	2,300	1.6	120
Orient Well	-	-	-	1,200	1.2	46	1,200	1.2	46
Puzzle	-	-	-	2,700	1.3	110	2,700	1.3	110
Ulysses Open Pit	820	2.6	69	620	1.9	38	1,400	2.3	110
Ulysses Underground	490	4.1	64	1,600	3.6	180	2,100	3.7	250
Total Leonora	1,800	3.4	200	30,000	2.7	2,600	32,000	2.7	2,800
Laverton									
Jupiter OP	640	1.0	21	7,100	0.9	210	7,700	0.9	230
Bruno-Lewis OP	-	-	-	3,900	1.1	140	3,900	1.1	140
Total Laverton	640	1.0	21	11,000	1.0	350	12,000	1.0	370
Bardoc									
Aphrodite	-	-	-	-	-	-	-	-	-
Zoroastrian	-	-	-	790	3.8	97	790	3.8	97
Total Bardoc	-	-	-	790	3.8	97	790	3.8	97
Redcliffe									
Redcliffe-Hub	-	-	-	580	3.4	65	580	3.4	65
Redcliffe-GTS	-	-	-	640	2.2	46	640	2.2	46
Total Redcliffe	-	-	-	1,200	2.8	110	1,200	2.8	110
Grand Total	2,400	2.8	220	43,000	2.3	3,100	45,000	2.3	3,300

Notes:

All figures reported to two significant figures. Rounding errors may occur.

Ore Reserves are based on a gold price of A\$2,400/ounce

NOTES





GENESIS
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