



NMG

New Murchison
Gold Limited

Investor Presentation

December 2024

newmurchgold.com.au

ASX: NMG



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JORC Compliance Statement

This Presentation contains NMG's Exploration Results. The information in this Presentation that relates to NMG's Exploration Results has been extracted from NMG's previous ASX announcements, including:

ASX Announcement "New Gold Discovery at Crown Prince" dated 15 November 2017
ASX Announcement "Assays Confirm Crown Prince Discovery" dated 12 December 2017
ASX Announcement "Golden Jewels from Crown Prince" dated 08 February 2018
ASX Announcement "Crown Prince: New Gold Hits Plus Oxide Potential" dated 24 July 2018
ASX Announcement "Upgraded Crown Prince Mineral Resource Estimate" dated 21 October 2019
ASX Announcement "New High Grade Gold Intercepts at Crown Prince" dated 15 December 2022
ASX Announcement "Further High-Grade Gold Intercepts at Crown Prince Extension" dated 17 January 2023
ASX Announcement "Crown Prince Delivers Further Outstanding High-Grades" dated 08 May 2023
ASX Announcement "High Grade Primary Gold Intercepts at Crown Prince" dated 22 May 2023
ASX Announcement "Exceptional New Gold Intercepts at Crown Prince" dated 28 June 2023
ASX Announcement "High Grade Gold Intercepts from Drill Core at Crown Prince" dated 04 July 2023
ASX Announcement "Further High-Grade Gold Intercept from Crown Prince" dated 13 July 2023
ASX Announcement "Crown Prince Delivers Further High-Grade Gold Results" dated 23 August 2023
ASX Announcement "Further Shallow High Grade Gold Intercepts at Crown Prince" dated 24 October 2023
ASX Announcement "Further High-Grade Gold Intersections at Crown Prince" dated 23 November 2023
ASX Announcement "Crown Prince Mineral Resource Estimate increases significantly to 240Koz at 4.1g/t Au. Including maiden Southeastern Zone of 164Koz at 5.2g/t Au" dated 2 February 2024
ASX Announcement "Positive Metallurgical Test Work Success at Crown Prince" 7 March 2024
ASX Announcement "Additional High-Grade Gold Intersection at Crown Prince" 18 March 2024
ASX Announcement "New High-Grade intersections delineated another HG Zone at Crown Prince" 14 May 2024
ASX Announcement "New Exceptionally High-Grade Intersections from Infill Drilling at Crown Prince" 29 October 2024

Copies of these announcements are available at www.asx.com.au or www.newmurchgold.com.au/asx-announcements. The Competent Person for these announcements was Mr Costica Vieru. NMG confirms that it is not aware of any new information or data that materially affects the information included in those announcements and NMG confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from those announcements. This Presentation contains estimates of NMG's Mineral Resources. The information in this Presentation that relates to NMG's Mineral Resources has been extracted from NMG's previous ASX announcements, including:

"Crown Prince Mineral Resource Increases to 240koz" dated 6 February 2024.

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Advanced Murchison Gold Explorer



Located in the heart of the prolific Murchison gold district

NMG's flagship Garden Gully Gold Project is located in the highly prospective Abbotts Greenstone Belt north of Meekatharra, with close proximity to numerous operating gold mines and processing facilities



Shallow high-grade Mineral Resource of 279koz at 3.9g/t Au at Crown Prince

Southeastern Zone (SEZ) transformational for the Crown Prince Mineral Resource Estimate, which sits on a granted mining lease, remains open at depth and along strike, and demonstrates excellent underground potential



Near resource and regional exploration upside

New high-grade mineralised zones at the north-eastern end of SEZ and Crown Prince East (350m from SEZ) are being further delineated, and regional exploration programs across NMG's commanding 677km² tenure package are ongoing



Westgold Strategic Alliance provides a clear pathway to production

Provides NMG with a clear pathway to commercialising Crown Prince, validates the quality of the deposit and enables NMG to leverage Westgold's expertise and infrastructure to fast-track the development of Crown Prince



Building the Crown Prince value proposition with an experienced team

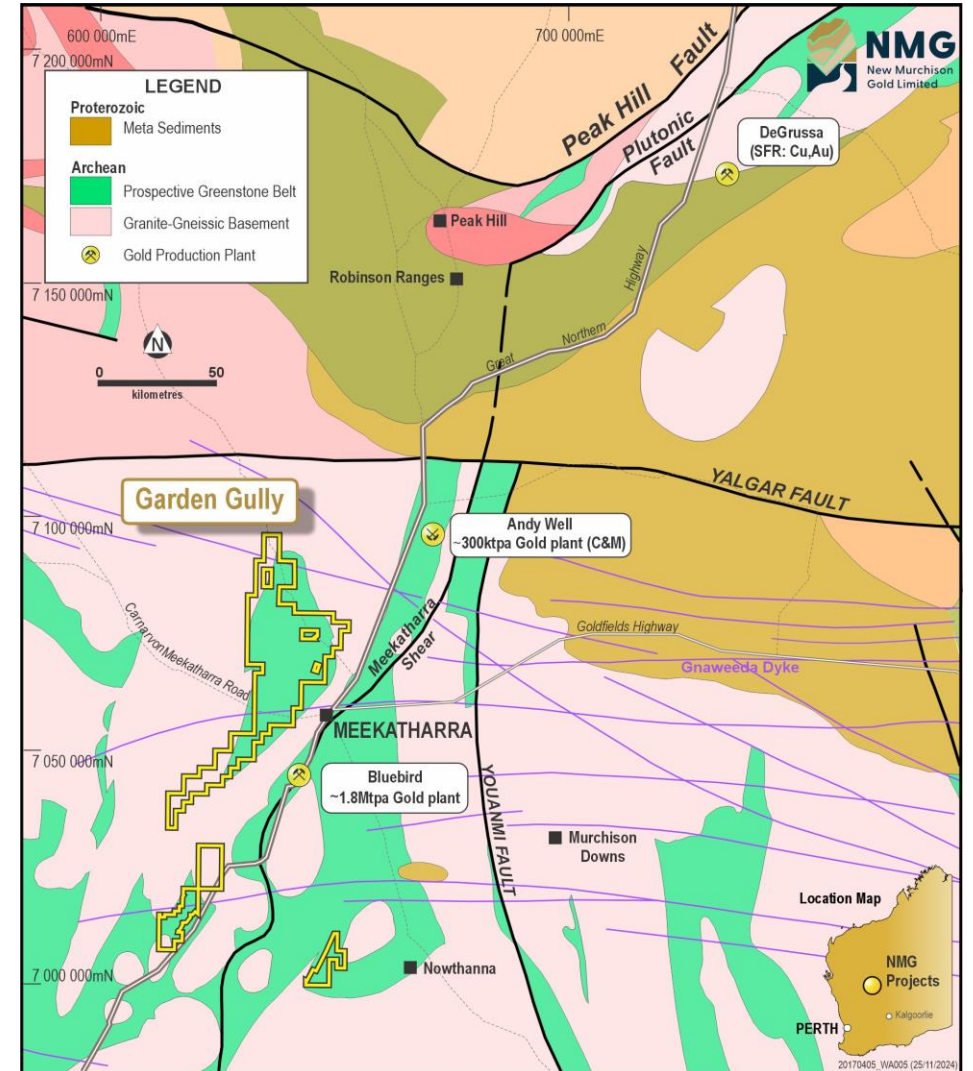
Dual track strategy of active drilling and exploration programs to test for extensions & near-resource high-grade gold mineralisation and advancing detailed technical, development and mining proposal workstreams driven by an experienced team



Garden Gully Project

Located in the heart of the prolific Murchison gold district

- NMG's flagship Garden Gully Gold Project is located in the highly prospective Abbotts Greenstone Belt north of well established gold centre, Meekatharra, Western Australia
 - Structurally deformed, prospective and mineralised Archean greenstone belt
 - The Abernethy shear zone is a major regional structure which runs through the eastern part of the belt
 - NMG's gold prospects located on the eastern side of the greenstone belt
- Close proximity to numerous operating gold mines and within 200km of 5 operating gold processing facilities
- NMG commands a substantial 677km² tenure position, which includes granted Mining Leases over the Crown Prince, Abbotts and Lydia gold prospects
- Circa 20km north of Meekatharra town, supporting efficient logistics

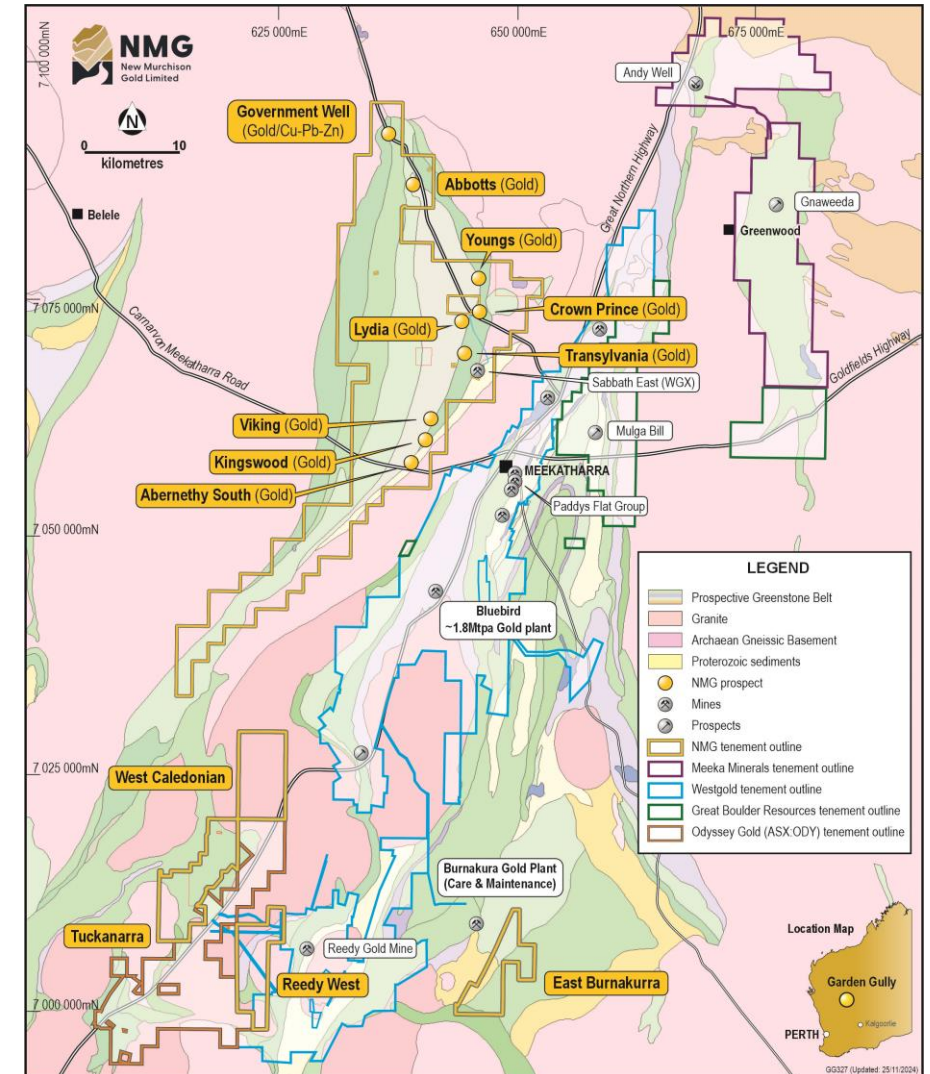




Regional Geology & Prospect Location

Belt scale tenure holding with multiple prospects

- Gold in the Abbots greenstone belt is more prevalent on the eastern side of the belt
 - Gold occurrences in N-S trending splays off the Abernethy shear zone
 - Crown Prince Prospect is one of several advanced projects in the belt
- Structure (geophysics) and regional geochemistry used for targeting
- NMG's substantial 677km² tenure position covers most of the important structures in the belt
- Gold mineralisation along favourable horizons and splays from the Abernethy shear zone are targeted with regional drilling and geochemistry then followed up with detailed prospect level geological interpretations
- Abbots, Lydia and Crescent are key prospects for growth in resources





Exploration and Development Pipeline

NMG has a strong pipeline of exploration and development prospects at its flagship Garden Gully Gold Project



** Crown Prince, Lydia, Abbots, and Crescent are situated on Granted Mining Leases significantly reducing time to commercialisation **



Westgold Strategic Alliance and Ore Purchase Agreement

Provides a clear pathway to commercialising Crown Prince, validates the quality of the deposit and enables NMG to leverage Westgold's expertise and infrastructure to fast-track the development of Crown Prince

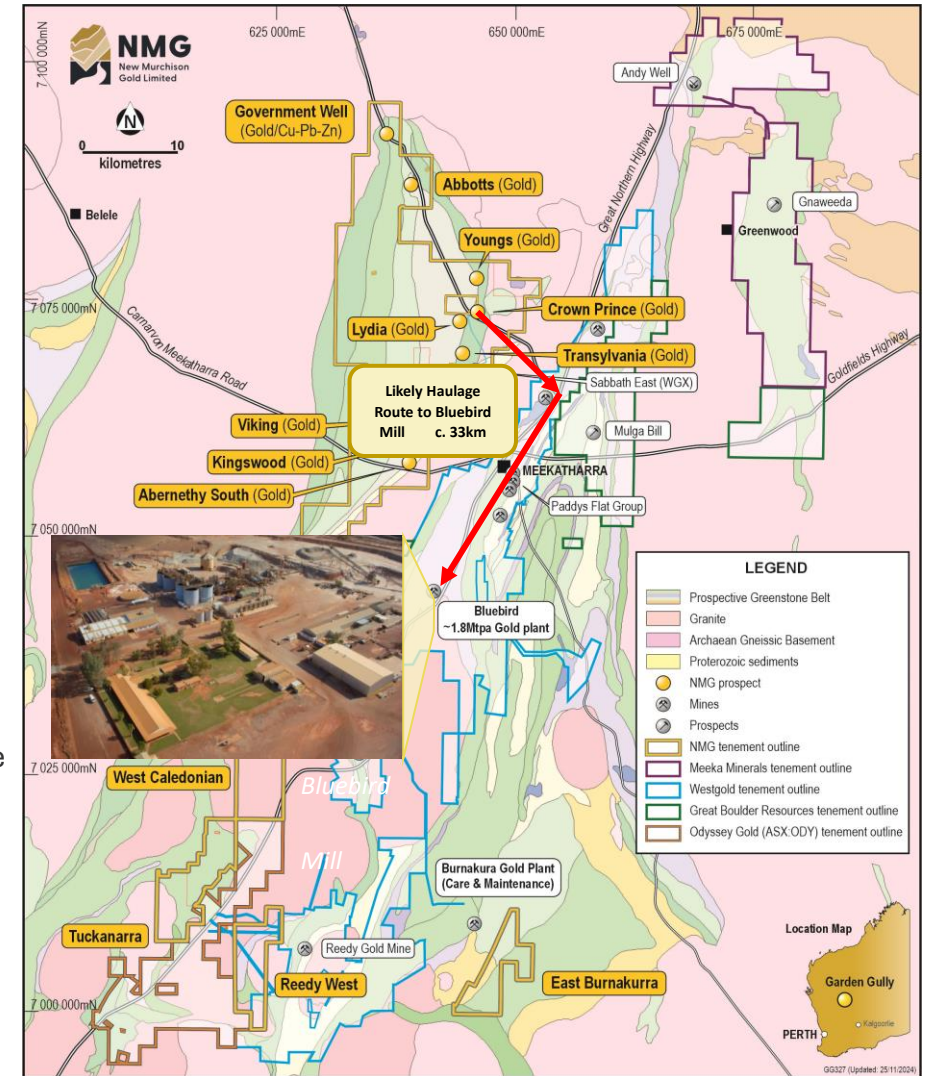
Ore Purchase Agreement (OPA) will underpin production from NMG's Crown Prince deposit near Meekatharra, Western Australia in 2025.

- NMG will commence mining from a new open pit operation at Crown Prince with a targeted commencement date of mid-2025.
- Ore will be hauled 33km by road to the Bluebird Gold Processing Plant, part of Westgold's Murchison Gold Operations at Meekatharra.
- Ore will be sold to Westgold in several parcels (Ore Parcels) totalling 30-50kt per month with each Ore Parcel certified for grade, moisture and recovery from sampling at the Crown Prince site and a recovery factor agreed for each mining bench from test work replicating the Bluebird Mill circuit.

The OPA has no fixed term although NMG envisages that most of Crown Prince ore is likely to be processed in an "Initial Period" which runs over the first 24 months of the agreement. Thereafter ore tonnages are to be agreed on a rolling three-month basis once production forecasts have been completed by NMG and Westgold has confirmed mill availability.

Westgold will purchase ore from NMG based on contained gold in each Ore Parcel at the prevailing AUD gold price in the month the Ore Parcel is collected (minus processing costs and a capital recovery charge). Westgold must promptly collect Ore Parcels that are available for collection.

NMG and Westgold have also entered into an ancillary agreement (Licence and Access Water Discharge Deed) which facilitates NMG's potential dewatering requirements at Crown Prince.



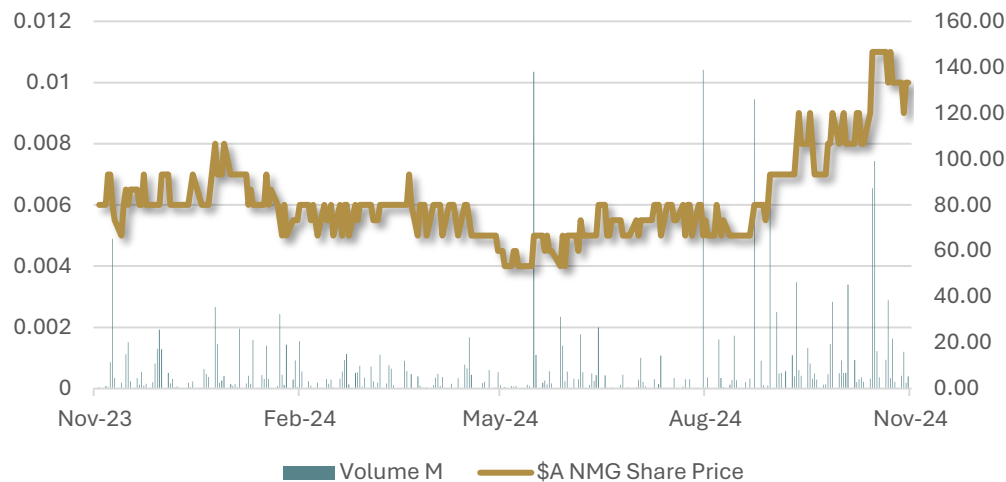


Corporate Overview

Capital Structure

NMG:ASX	Current
Share Price	A\$0.009
Ordinary Shares on Issue	7,370m
Options & Performance Rights	1,496m
Market Capitalisation (undiluted)	\$66.3m
Cash (end Sept, unaudited)	\$3.4m
Debt (as at 15-May-24)	Nil
Enterprise Value	\$62.9m

Share Price Performance



Board & Management



ALEX PASSMORE
CEO



RICK CRABB
Non-Executive Chairman



FRANK DEMARTE
Executive Director & Co Sec

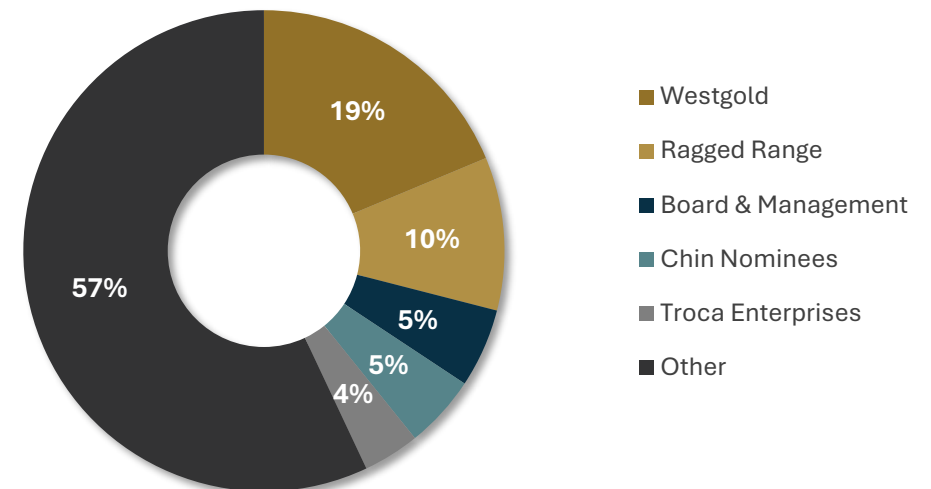


MAL RANDALL
Non-Executive Director



COSTICA VIERU
Exploration Manager

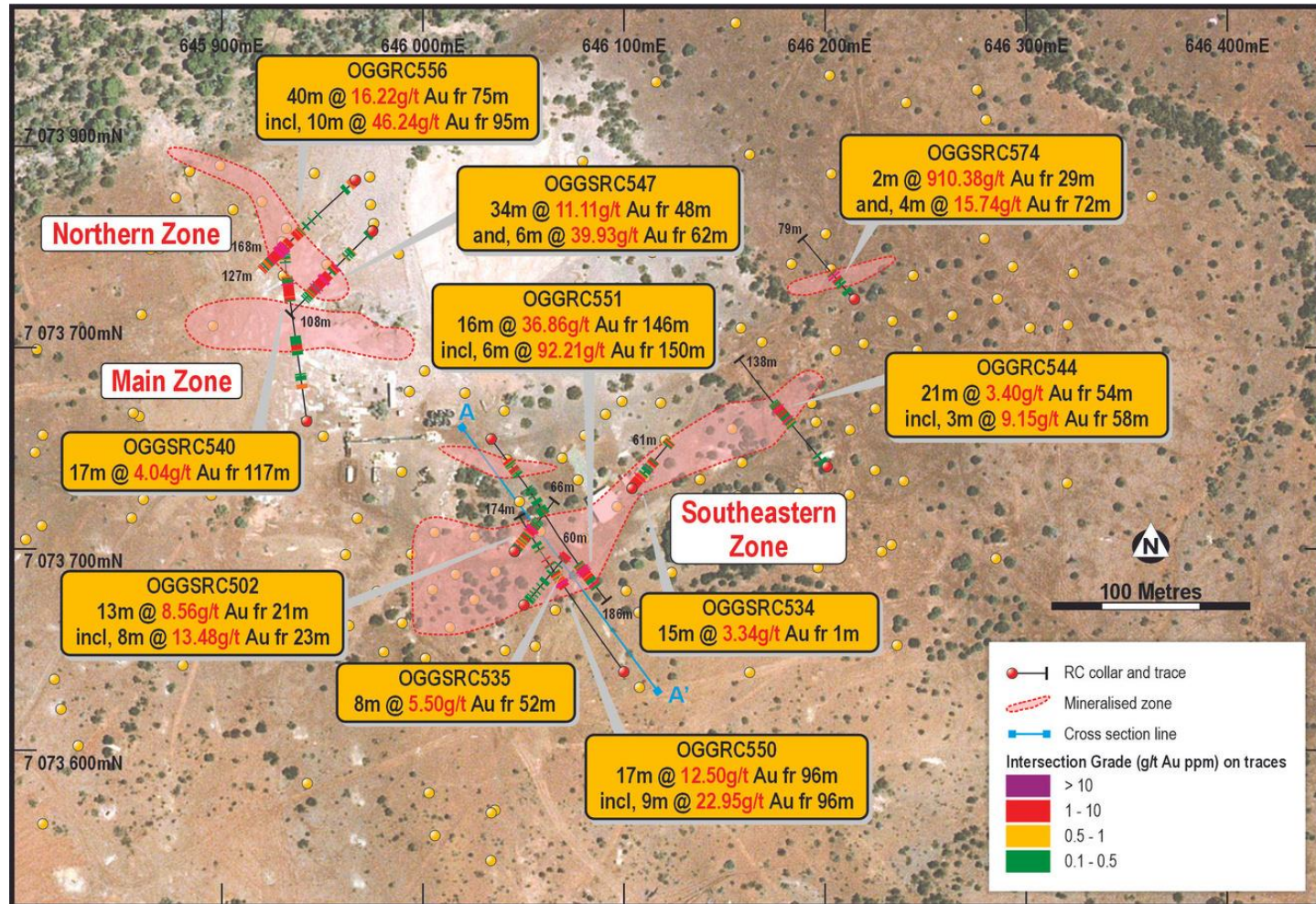
Major Shareholders





Crown Prince Prospect

High-grade mineralisation in offset dilational jogs, which have then undergone folding and shearing



Better intercepts at Crown Prince include:

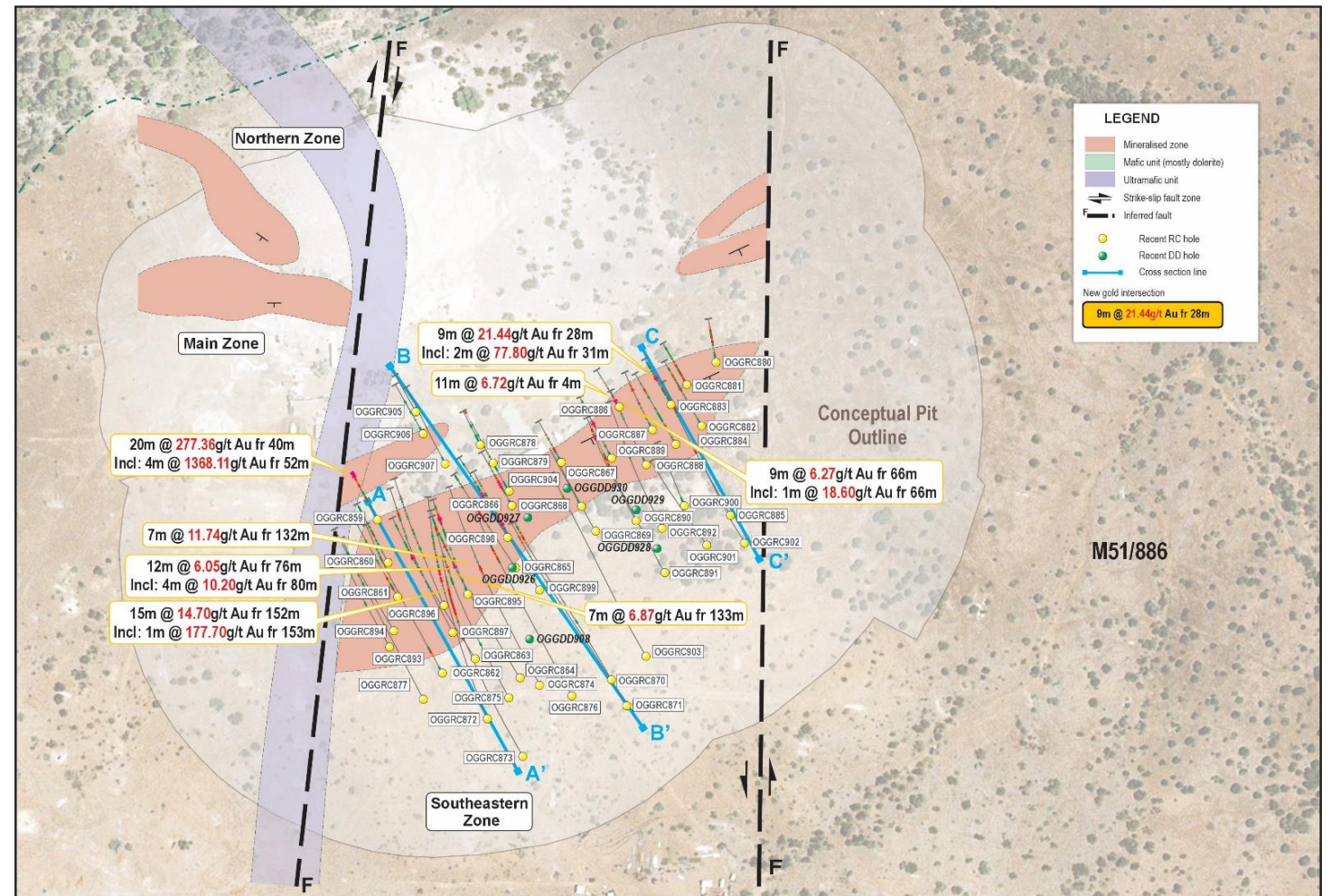
- **2m at 910.38g/t Au from 29m and 4m at 15.74g/t Au from 72m in OGGSRC574 (Southeastern Zone)**
- **40m at 16.22g/t Au from 75m incl. 10m at 46.24g/t Au from 95m in OGGRC556 (Main Zone)**
- **17m at 12.50g/t Au from 96m incl. 9m at 22.95g/t Au from 96m in OGGRC550 (Southeastern Zone)**
- **16m at 36.86g/t Au from 146m incl. 6m at 92.21g/t Au from 150m in OGGRC551 (Southeastern Zone)**
- **21m at 3.40g/t Au from 54m incl. 3m at 9.15g/t Au from 58m in OGGRC544 (Southeastern Zone)**
- **13m at 8.56g/t Au from 21m incl. 8m at 13.48g/t Au from 23m in OGGSRC502 (Southeastern Zone)**
- **34m at 11.11g/t Au from 48m incl. 6m at 39.93g/t Au from 62m in OGGRC547 (Main Zone)**
- **15m at 3.44g/t Au from 1m in OGGSRC534 (Southeastern Zone)**
- **8m at 5.50g/t Au from 52m in OGGSRC535 (Southeastern Zone)**
- **17m at 4.04g/t Au from 117m in OGGRC540 (Main Zone)**



Crown Prince Prospect

Infill drilling confirms the Crown Prince resource model

- A recently completed 7,500m 66-hole infill RC drilling program has been completed at Crown Prince Project
- This program demonstrated good continuity of mineralisation given the style of gold ore body at a drill spacing (indicated) around 15m x 15m density
- Hangingwall and footwall lodes within a conceptual pit now better defined
- This infill drilling has generally confirmed gold mineralisation modelling and has upgraded the quality in many areas.

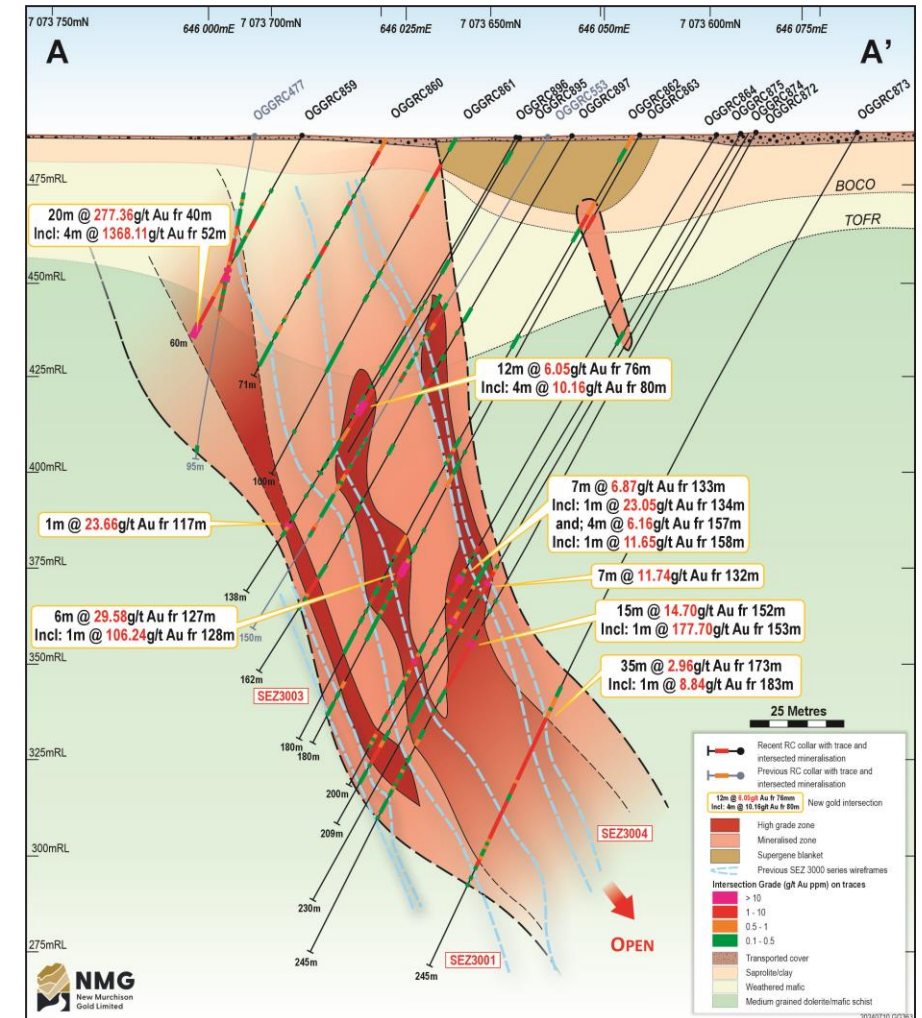




Crown Prince: Southeastern Zone

High-grade Southeastern Zone; plunging fold, mineralisation concentrated in fold hinge and along eastern flank

- Southeastern Zone (SEZ) continues to return high-grade gold intercepts
 - **20m at 277g/t Au** from 40m including **4m at 1,368g/t Au** from 52m (OGGRC859)
 - **15m at 14.7g/t Au** from 152m (OGGRC872)
 - **9m at 21.44g/t Au** from 28m including **2m at 77.8g/t Au** from 31m (OGGRC883)
 - **7m at 11.74g/t Au** from 132m (OGGRC874)
 - **11m at 6.72g/t Au** from 4m (OGGRC886)
 - **12m at 6.05g/t Au** from 76m including **4m at 10.2g/t Au** from 80m (OGGRC895)
 - **9m at 6.27g/ t Au** from 66m including **1m at 18.6g/t Au** from 66m (OGGRC888)
 - **7m at 6.87g/ t Au** from 133m (OGGRC864)
- High-grade intercept in OGGRC872 at 152m is a demonstration of the deeper mineralised intersections returned from Southeastern Zone (SEZ). Gives confidence of the down dip and plunge continuity.
- Along strike OGGRC551 returned **16m at 36.86g/t Au** from 146m down hole





Crown Prince: Southeastern Zone Mineralisation

Southeastern Zone mineralisation at depth – OGGRC551 well below supergene levels

- Gold mineralisation occurs within structurally controlled quartz veins that dip steeply to the south-west (at Main Zone) and south-east (at Southeastern Zone)
- Carbonate wall rock alteration indicative of high-grade zones
- Several offset lodes in the Crown Prince Prospect
- These zones are modelled to be dilational jogs which have been refolded and offset by later deformational events
- Shallow drilling for pathfinder geochemistry with structural modelling has delivered solid results



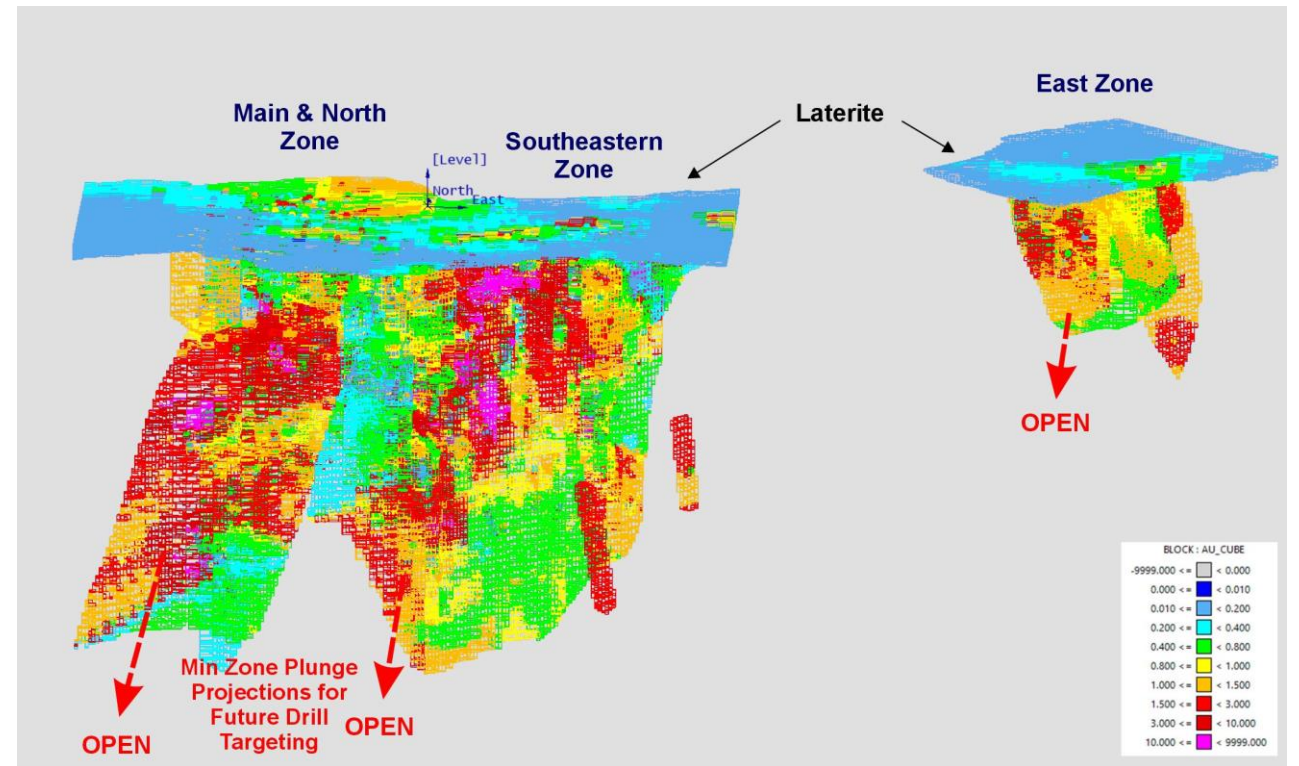


Crown Prince: Mineral Resource

Shallow, high-grade gold resource

- Indicated and Inferred Resource of 2.21Mt at 3.9g/t Au for 279koz , on a granted Mining Lease
 - Resources are shallow, representing strong open pit mining potential
 - Open along strike and down dip
 - +29km of RC and diamond drilling informs the MRE, <20% drilling more than 100m vertical depth
- 81% of ounces in the Indicated JORC category, enhancing the geological understanding of Crown Prince
- Maiden Resource at Southeastern Zone (SEZ) of 184koz at 4.6g/t Au (discovered in late 2022)
- Underground resource growth potential at Southeastern and Main Zones
- Near resource potential at new mineralised zones at north-eastern end of SEZ and Crown Prince East (350m from SEZ)

Crown Prince (JORC 2012) Mineral Resource Estimate



Resource	Tonnes (Mt)	Grade (g/t Au)	Contained Gold (koz Au)
Indicated	1.51	4.6	226
Inferred	0.69	2.4	53
Total	2.21	3.9	279

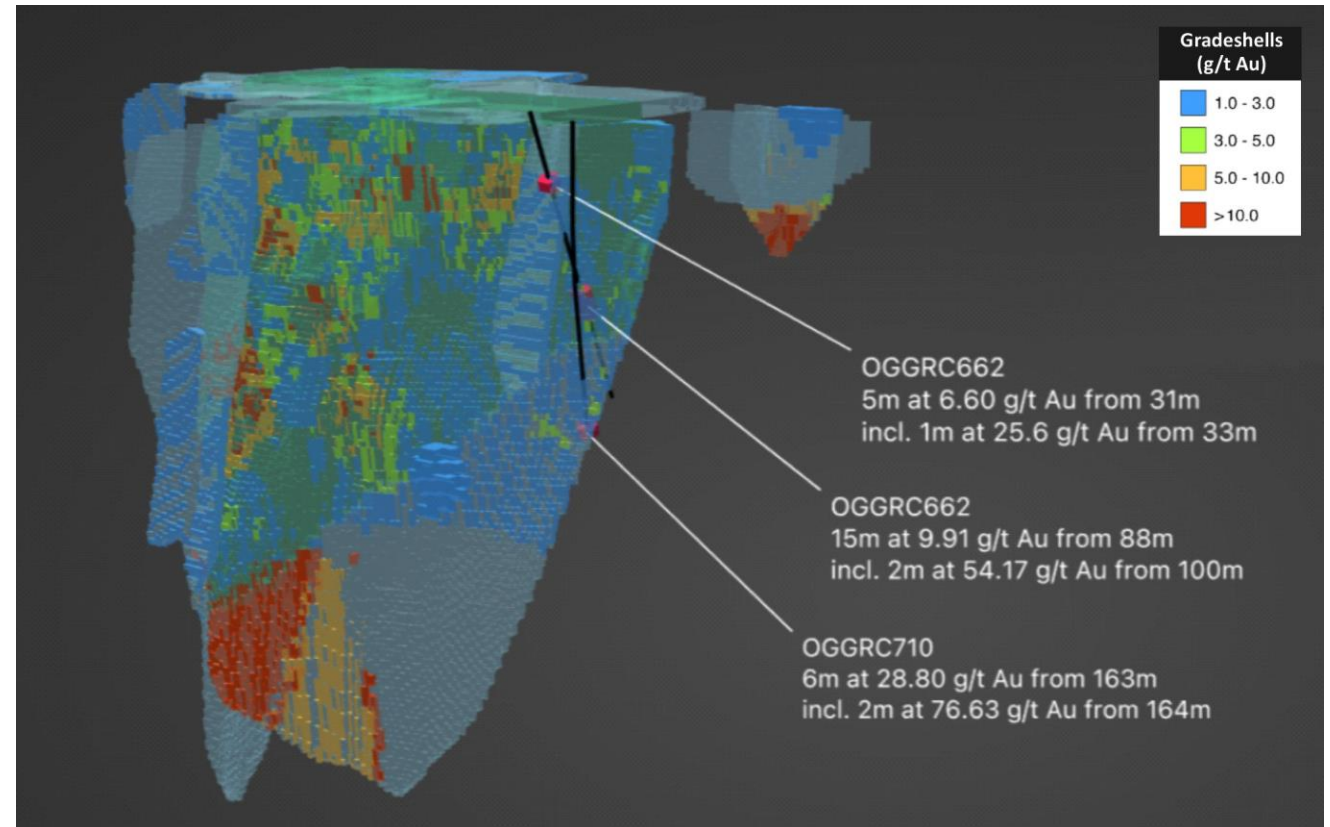


Crown Prince: Mineral Resource (cont'd)

Significant resource growth upside

- MRE was last published in February 2024
- New drilling has been completed and is being incorporated into a new release
- Resource growth expected from:
 - Incorporating recent drilling results from SEZ which show higher grades and thicker widths than previously interpreted (just within boundary of current resource block model)
 - Extensional and infill drilling at SEZ to better define high-grade mineralisation at depth
 - Further resource definition drilling of new mineralised zones at north-eastern end of SEZ and Crown Prince East (also sits on granted mining lease) to grow current resource footprint
 - Further near resource drilling surrounding SEZ and Crown Prince East

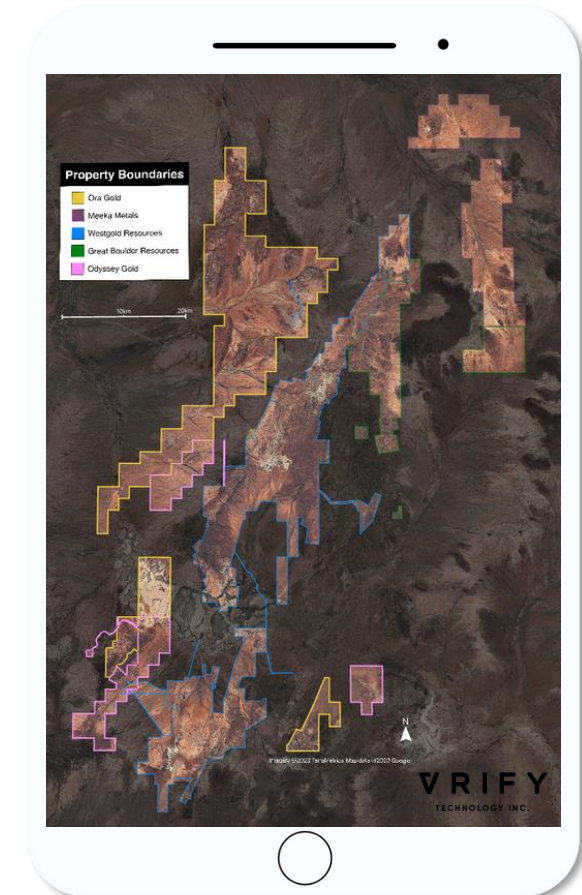
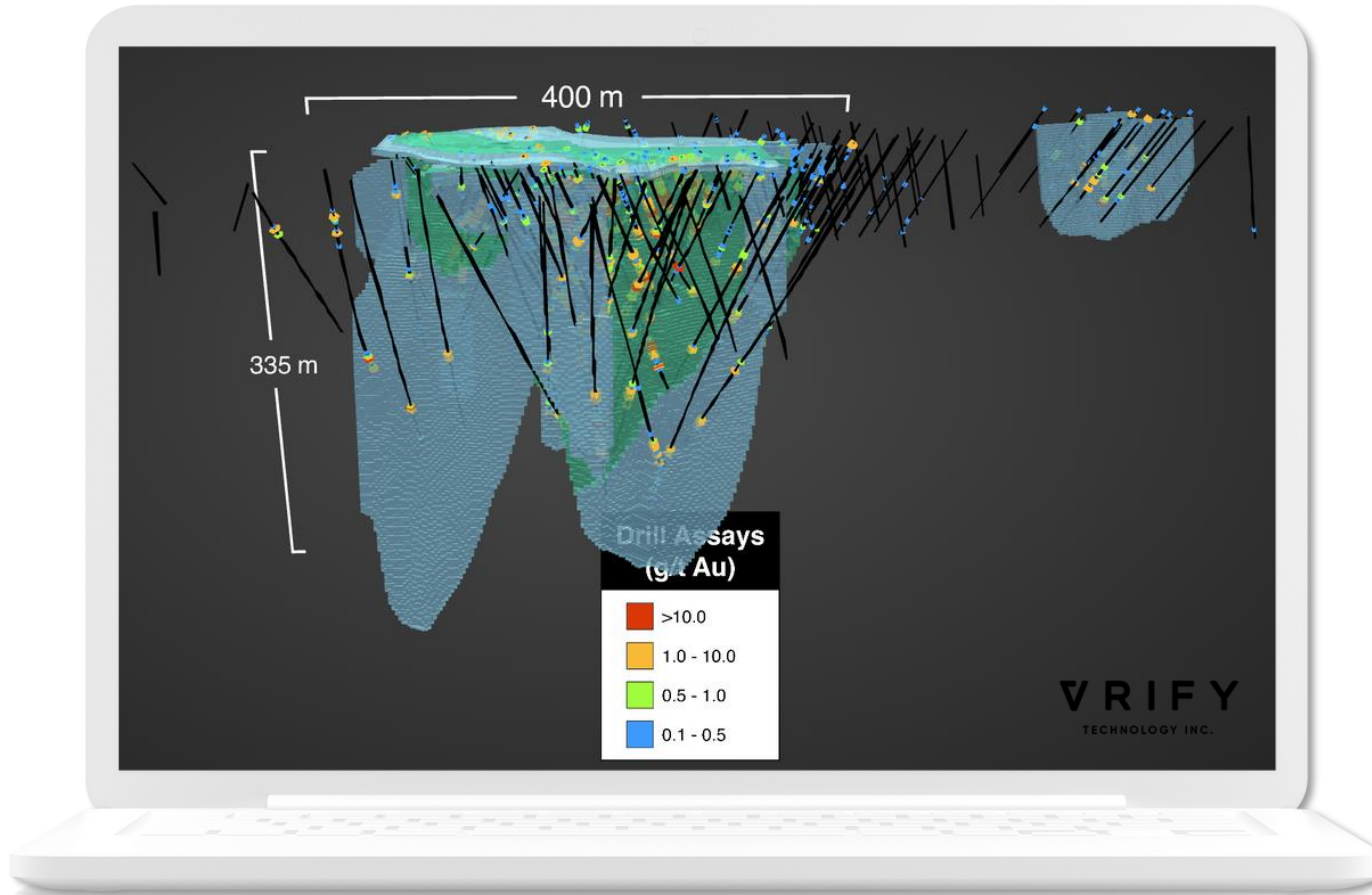
Other high-grade gold intersections extending SEZ deposit





3D Interactive Presentation

Refer to NMG's website to see our VRIFY 3D interactive presentation

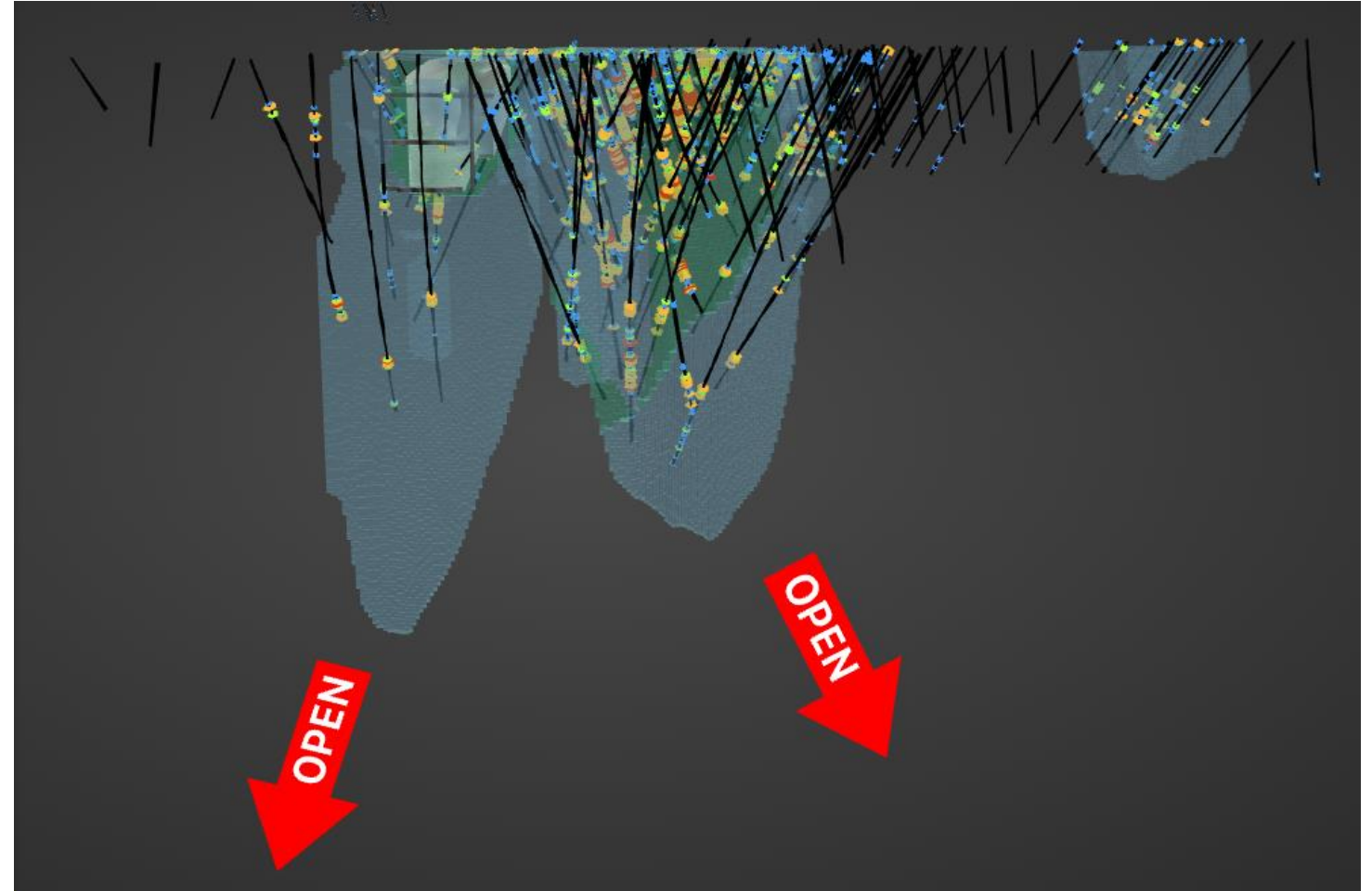




Crown Prince: Upside at Depth

Mineralisation open at depth

- Gold mineralisation occurs within structurally controlled quartz – carbonate veins
- These veins are relatively continuous along strike to the north-west and south-east (100's of metres) until they are offset by local north-south shear zones which are well understood
- Gold is associated with quartz veining and carbonate alteration in dilational jogs and in wall rock alteration zones
- Confirmed high-grade, free milling, oxide/supergene gold mineralisation to c. 80m
- Gold deposits in the Murchison goldfields can extend to 1km depth





Crown Prince: Metallurgical Testwork

Strong metallurgical performance from advanced test work

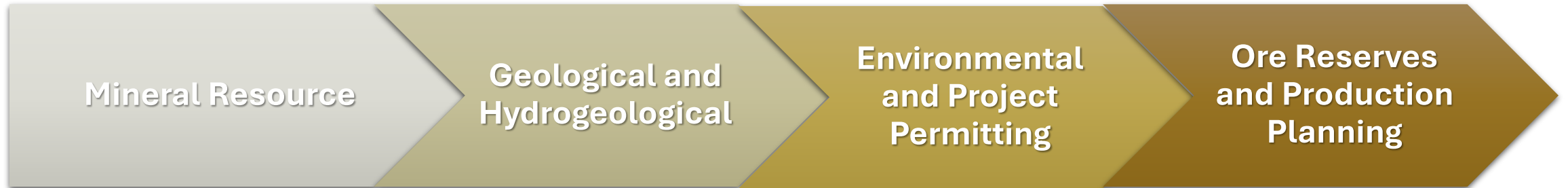
- High recovery of gold through gravity and cyanide leach test work
- High overall gold recovery rates ranging from 98.2 – 99.8%
- Gravity gold recoveries range from 66.6 – 90.5%
- Rapid leach kinetics show 90% gold recovery within 4 hours of testing through all samples
- Reduction in cyanide concentration (i.e. optimised) has a negligible impact upon recovery rates reducing operating and tailings management costs
- Strong positive reconciliation between estimated grades from drilling and gold produced from composites
- Further metallurgical and bulk testing to optimise Crown Prince through Bluebird results due shortly





Crown Prince Workstreams

Rapidly advancing project development and mining proposal workstreams at Crown Prince



- Sufficient for initial mine planning.
- Infill drilling to convert inferred to indicated and measured categories



- Geotechnical aspects very well understood.
- 15 DD holes drilled into planned / conceptual open pit zone
- Flood modelling complete
- Dewatering field testing complete
- Dewatering modelling ongoing



- Mining Proposal and Mine Closure Plan being drafted with submission expected in October
- MON2 – Project Management Plan well advanced
- WHS aspects and sub-management plans well advanced



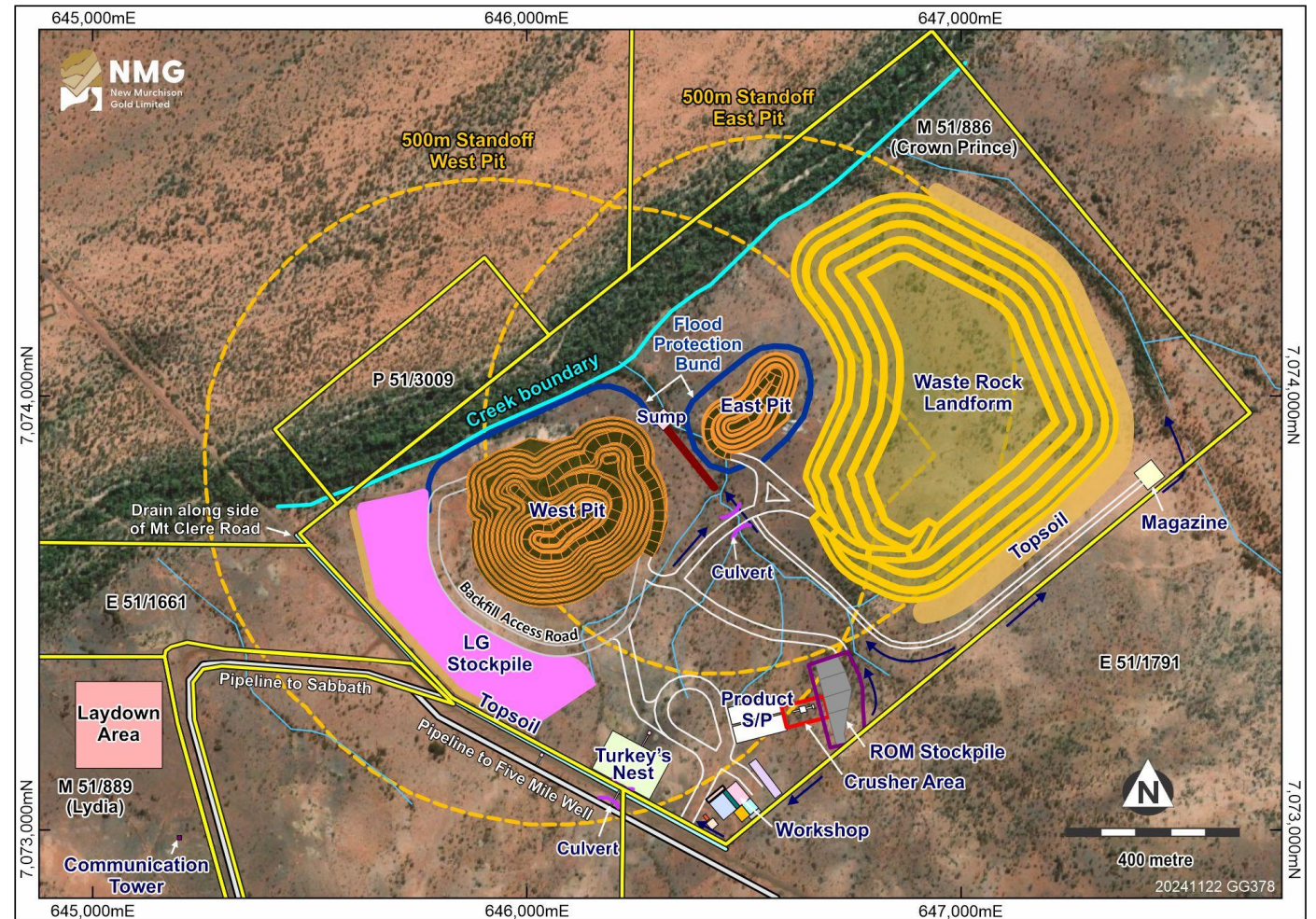
- Site layout designed, production schedule being finalised
- Project development timelines developed
- Projects team progressively being employed / engaged as consultants



Mine Layout

With many technical aspects now resolved the mine layout has been completed

- Key technical aspects resolved following the completion of:
 - Soils and Landform Assessment
 - Flora and Fauna Survey and Assessment
 - Waste Rock Characterisation
 - Waste Rock Landform Stability Assessment
 - Hydrological and Hydrogeological Assessment including aquifer testing
 - Geotechnical Modelling for pit wall angle design
 - Ongoing Stakeholder Consultation





Funding and Development Outlook

Since late May 2024 NMG has been working on pre-development activities readying the Crown Prince Prospect for production with ore to be sold to Westgold’s mill 33km away by road

- Westgold Bluebird mill has capacity for Crown Prince type ore
- Technical teams are working together for ore delivery, derisking and scheduling
- NMG is also working towards receiving the key approvals and permits required for production and ore sales to Bluebird:
 - Mining Proposal and Mine Closure Plan
 - MON2 (Previously a Project Management Plan)
 - Works Approval / Site Licence
 - Native vegetation clearing permit
- NMG de-risking the project ahead of production and has completed:
 - Geotechnical drilling to finalise pit design and wall angles
 - Hydrogeological drilling to model and plan for water management
 - Infill drilling to convert inferred resources in the planned open pit
 - Metallurgical sampling for optimising parcel quality delivery to Bluebird

Source of Funds – as released 30 May 2024	A\$m
Cash Balance (pre-placement, unaudited)	2.0
Strategic Placement	6.0
Total Sources	8.0

Use of Funds – as released 30 May 2024	A\$m
Crown Prince drilling and exploration	2.0
Crown Prince development workstreams	2.0
Regional drilling and exploration	1.0
Working capital and corporate costs	3.0
Total Uses	8.0

Timetable	Date
Announcement of Westgold Transaction	30 May 2024
Settlement of Strategic Placement	4 June 2024
Targeted execution of OPA and related agreements	Q3/Q4 CY 2024



Strategic Plan

Crown Prince

Build the project to scale



Progress detailed technical programs, preliminary project development and mining proposal workstreams to advance Crown Prince into production

Advance development workstreams



Continue drilling along strike, test underground extensions and delineate other near resource mineralised zones to advance further resource growth at Crown Prince

Commercialise Crown Prince



Progress towards an ore purchase agreement and other strategic collaboration initiatives with Westgold, and continue to methodically evaluate organic and inorganic growth options



Garden Gully regional upside

Continue systematic regional exploration programs across NMG's commanding 677km² tenure package



Appendix A. Crown Prince MRE

Crown Prince (JORC 2012) Mineral Resource Estimate

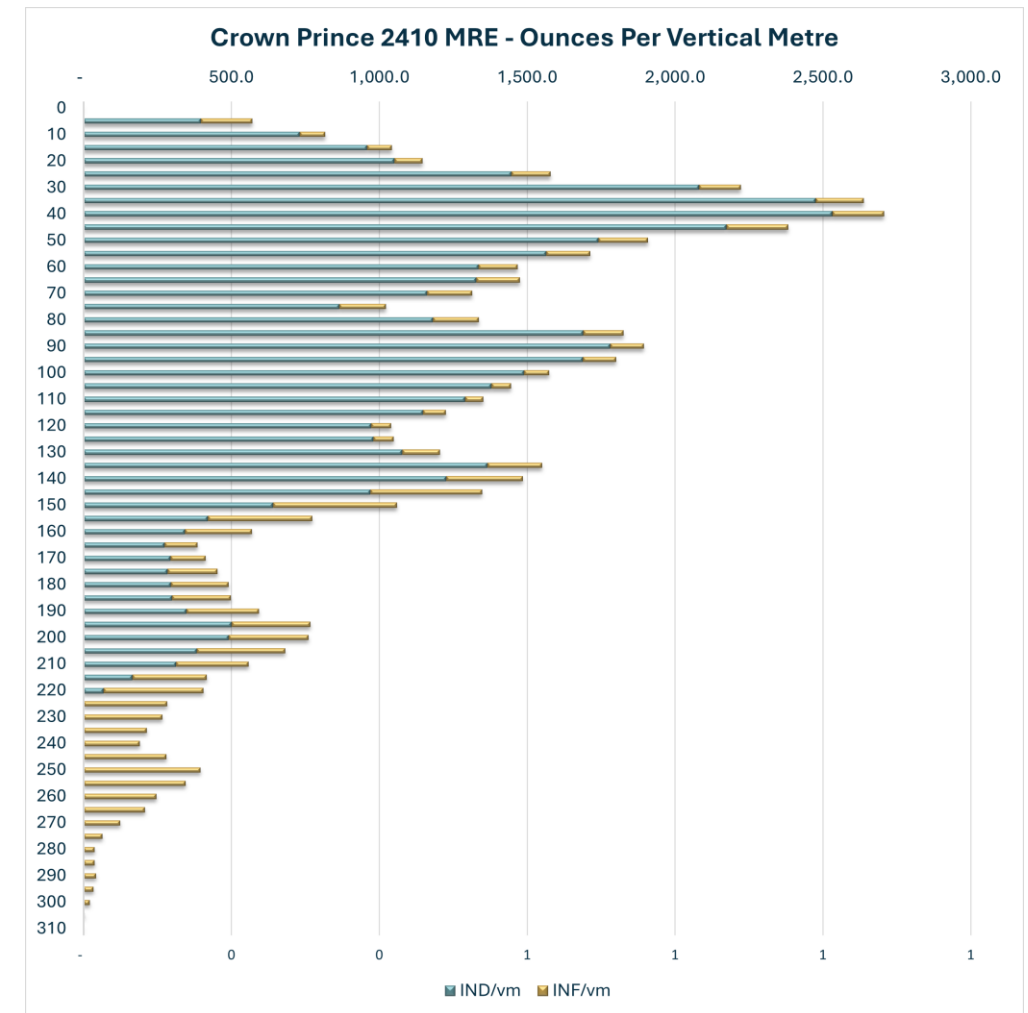
Zone	Category	Tonnes (Mt)	Grade (g/t Au)	Contained Gold (koz Au)
Southeastern Zone	Indicated	1.06	5.1	173
	Inferred	0.18	1.8	11
	Total	1.24	4.6	184
Main & Northern Zone	Indicated	0.41	3.8	51
	Inferred	0.32	3.1	31
	Total	0.73	3.5	82
Other (Laterite, East)	Indicated	0.04	1.7	2
	Inferred	0.19	1.7	11
	Total	0.24	1.7	13
Total	Indicated	1.51	4.6	226
	Inferred	0.69	2.4	53
	Total	2.21	3.9	279

Notes

The Mineral Resources are produced in accordance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC 2012). For further details refer to NMG ASX Release dated 28 November 2024.

Note 1: Resources are reported at a 1.2g/t Au cut off grade.

Note 2: Due to the effects of rounding, the total may not reflect the sum of all components. Full CP statements on slide 23.





Competent Person Statement

Exploration Results

The information contained in this Presentation that relates to Exploration Results are based upon, and fairly represent, information and supporting documentation compiled by Mr Costica Vieru, a Member of the Australian Institute of Geoscientists and a full-time employee of the Company. Mr Vieru has sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Vieru consents to the inclusion in this Presentation of the matters based upon the information in the form and context in which it appears.

Mineral Resources

The information contained in this Presentation that relates to Mineral Resources are based upon, and fairly represent, information and supporting documentation compiled by Mr Costica Vieru and Mr Brian Fitzpatrick. Mr Vieru is a Member of the Australian Institute of Geoscientists and a full-time employee of the Company. Mr Fitzpatrick is a Principal Geologist with Cube Consulting Pty Ltd and a Member of the Australasian Institute of Mining and Metallurgy, who has undertaken check validation and geo/statistical assessment of the data, then block modelled and estimated the tonnage and grade of the mineralisation, which was assessed by Mr Vieru for appropriate cutoff grade and to confirm resource categorisation. The Competent Persons have sufficient experience which is relevant to the style(s) of mineralisation and type(s) of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. All consent to the inclusion in this Presentation of the matters based upon their input into the information in the form and context in which it appears. All material assumptions and technical parameters underpinning the mineral resources have not materially changed.



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