

Delivering On Our Growth Strategy



**Canaccord Global Metals & Mining Conference
Presentation**

May 2024

Cautionary statement

This presentation contains only a brief overview of Regis Resources Limited and its associated entities (“Regis or RRL”) and their respective activities and operations. The contents of this presentation, including matters relating to the geology of Regis’ projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forward-looking statements that are subject to risk factors associated with gold exploration, mining and production businesses. It is believed that the forward looking statements in this presentation are reasonable based on information available as at the date of this presentation but known and unknown risks and uncertainties, and factors outside of Regis’ control, may cause the actual results, performance and achievements of Regis to differ materially from those expressed or implied in this presentation. These risk factors include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation. Readers are cautioned not to place undue reliance on forward looking statements. No representation or warranty, express or implied is made as to the accuracy, currency or completeness of the information in this presentation, nor the future performance of Regis. Except as required by applicable law or regulations, Regis does not undertake to publicly update or review any forward-looking statements, whether as a result of new information or future events. Current and potential investors and shareholders should seek independent advice before making any investment decision in regard to Regis or its activities.

Mineral Resources, Ore Reserves are extracted from the Mineral Resource and Ore Reserve Statement released to the ASX on 20 June 2023, Exploration Results from the ASX release on 14 December 2023, Quarterly Activities Report released on 25 January 2024, half year financial results from the ASX release on 22 February 2024 and Quarterly Activities Report released on 24 April 2024 and “Development Approval For Two Underground Mines And Underground Reserves Increase” dated 6 May 2024 (the Relevant ASX Announcements).

In each case, appropriate Competent Person’s consents were obtained for the release of that information in the Relevant ASX Announcements and those consents remain in place for subsequent releases by the Company of the same information in the same form and context, until the consent is withdrawn or replaced by a subsequent report and accompanying consent.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Relevant ASX Announcements and in each case the Production Targets, forecast financial information and estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning that information in the Relevant ASX Announcements, continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original ASX announcement.

This presentation uses Mineral Reserves and Mineral Resources classification terms that comply with reporting standards in Australia. These standards differ significantly from the requirements of the United States Securities and Exchange Commission that are applicable to domestic United States reporting companies and, therefore, are not comparable.

Past performance and pro-forma financial information given in this document, including in relation to upgrades to resources and reserves, is given for illustrative purposes only and should not be relied upon as (and is not) an indication of future performance, nor of Regis’ views on the Company’s future financial performance or condition. Investors should note that past performance of Regis, including the historical trading prices of its shares, cannot be relied upon as an indicator of and provides no guidance as to Regis’ future performance, including the future trading price of its shares. The historical information included in this presentation is, or is based on, information that has previously been released to the market.

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The distribution of this presentation (including an electronic copy) outside of Australia (including the United States) may be restricted by law and any such restrictions should be observed. Any non-compliance with these restrictions may contravene applicable securities laws.

References to Tropicana are at 30% ownership unless otherwise noted. Regis is an Australian company which reports in AUD however figures in this presentation are in USD at an exchange rate of 0.6578.

ASX announcements are available on the Company’s website at www.regisresources.com.au.

Production Target

Relevant Proportions Underpinning the Production Target

Regis has outlined a consolidated gold Production Target of between 100koz and 120koz from FY27 from its two new Duketon underground mines, Garden Well Main and Rosemont Stage 3. This production target comprises 33% Indicated Mineral Resources, 31% Inferred Mineral Resources and 36% Exploration Target.

The material assumptions on which the Production Target is based are provided below.

The material assumptions on which the Duketon Production Target is based are presented in the ASX release “Development Approval For Two Underground Mines And Underground Reserves Increase” dated 6 May 2024 and available to view at www.regisresources.com.

Cautionary Statement concerning the proportion of Inferred Mineral Resources

There is a low level of geological confidence associated with Inferred Mineral Resources. Further exploration work will not necessarily convert them to Indicated Mineral Resources or realise the production target itself.

Cautionary Statement concerning the Proportion of Exploration Target

Of Regis' Production Target, 36% comprises an Exploration Target. The potential quantity and grade of this Exploration Target are conceptual in nature, and there is no certainty that further exploration work will result in the determination of Mineral Resources or that the Production Target itself will be realised.

Competent Persons have prepared the mineral inventories and Exploration Targets underpinning the Production Target in accordance with the requirements of the JORC Code.

ASX announcements are available on the Company's website at www.regisresources.com.au

Exploration Targets

Exploration Target at Garden Well (noted on Slide 7) is extracted from ASX release “Mineral Resource and Ore Reserve Statement” dated 20 June 2023. The Garden Well Exploration Target is estimated to contain between 9Mt and 18Mt at a grade ranging between 2.3 g/t Au and 2.9 g/t Au across the deposit. The Exploration Target area includes the known Garden Well underground mineral system as well as potential down plunge depth extensions and open areas along strike, both North and South, with a 1,000m vertical extent from +350m RL to -650m RL.

Exploration Target at Rosemont (noted on Slide 7) is extracted from ASX release “Development Approval For Two Underground Mines And Underground Reserves Increase” dated 6 May 2024. The Rosemont Exploration Target is estimated to contain between 0.6Mt to 0.8Mt at a grade ranging between 2g/t to 3g/t across the deposit. The Exploration Target area includes the known Rosemont underground mineral system as well as potential down plunge depth extensions and open areas along strike.

Study work has identified that the Garden Well and Rosemont undergrounds are potentially large mineralised systems, with significant untested resource potential in the south direction and at depth. Known mineralisation patterns suggest continuity at depth, but significant resource risk and uncertainty remains. The potential quantity and grade of the Exploration Targets are conceptual in nature and therefore is an approximation. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared and reported in accordance with JORC Code 2012.

The Exploration Targets have been reasonably defined based on a review of the Garden Well and Rosemont deposits using existing data, including drill hole databases, geophysical data sets and Mineral Resource Estimate (MRE) data. The drill data shown as gram-metre intervals was used to assist in defining the volumes used to quantify the Exploration Targets.

The Exploration Target mineralised zones are constructed to form a volume for block model estimation with the same parameters as the Garden Well and Rosemont underground resources. Tonnage estimates are generated by applying bulk densities from the Garden Well and Rosemont deposit and underground mining shapes assume the same mining methods and cost structure as for the Garden Well South and Rosemont underground operations.

To mitigate the risk and further evaluate the Exploration Target, a high-level drill program has commenced and is ongoing. The drilling to date has begun to test the initial target area with results supporting the assumptions behind the Exploration Targets.

ASX announcements are available on the Company's website at www.regisresources.com.au.



Unhedged gold producer with long life assets

Strong platform in a Tier 1 location

Duketon 6 years

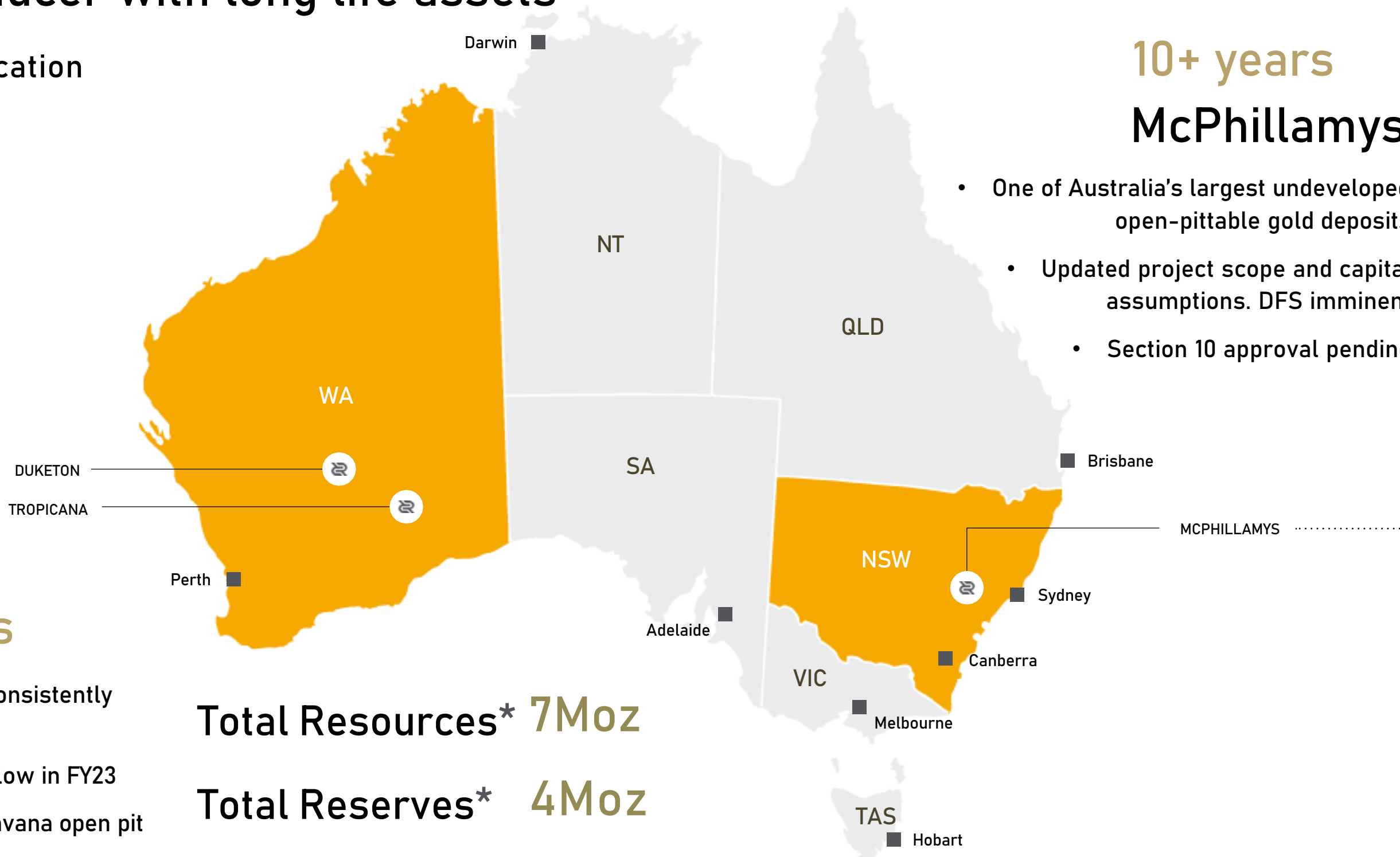
- Stabilised operational performance
- Substantial growth potential from underground mines

Tropicana 10+ years

- 30% ownership of a Tier-1 asset that consistently generates exceptional returns
- Delivered ~US\$130M operating cash flow in FY23
- Commercial production declared at Havana open pit
- Reserves continue to grow with CY23 depletion fully replaced plus more**

10+ years McPhillamys

- One of Australia's largest undeveloped open-pittable gold deposits
- Updated project scope and capital assumptions. DFS imminent
- Section 10 approval pending



Total Resources* 7Moz

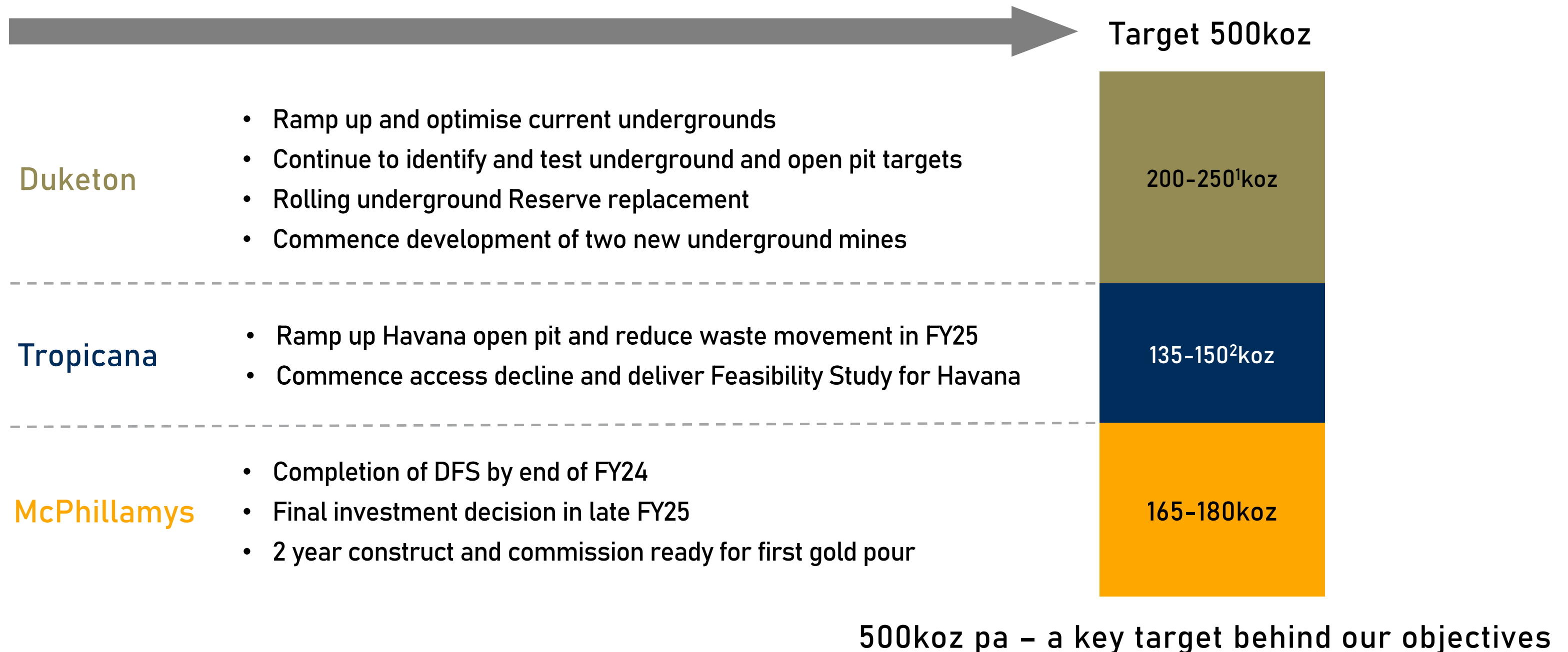
Total Reserves* 4Moz

* ASX release 20 June 2023
 ** ASX release 26 February 2024



The pathway to 500koz per year with margin

A business with scale and multiple organic growth options



1. Assumes no new open pit discovery
2. During open pit and underground phase



Our current Garden Well South and Rosemont underground mining areas

In 2019 Regis declared a Maiden Rosemont underground Reserve and have been mining our undergrounds since then

Target 500koz

Duketon

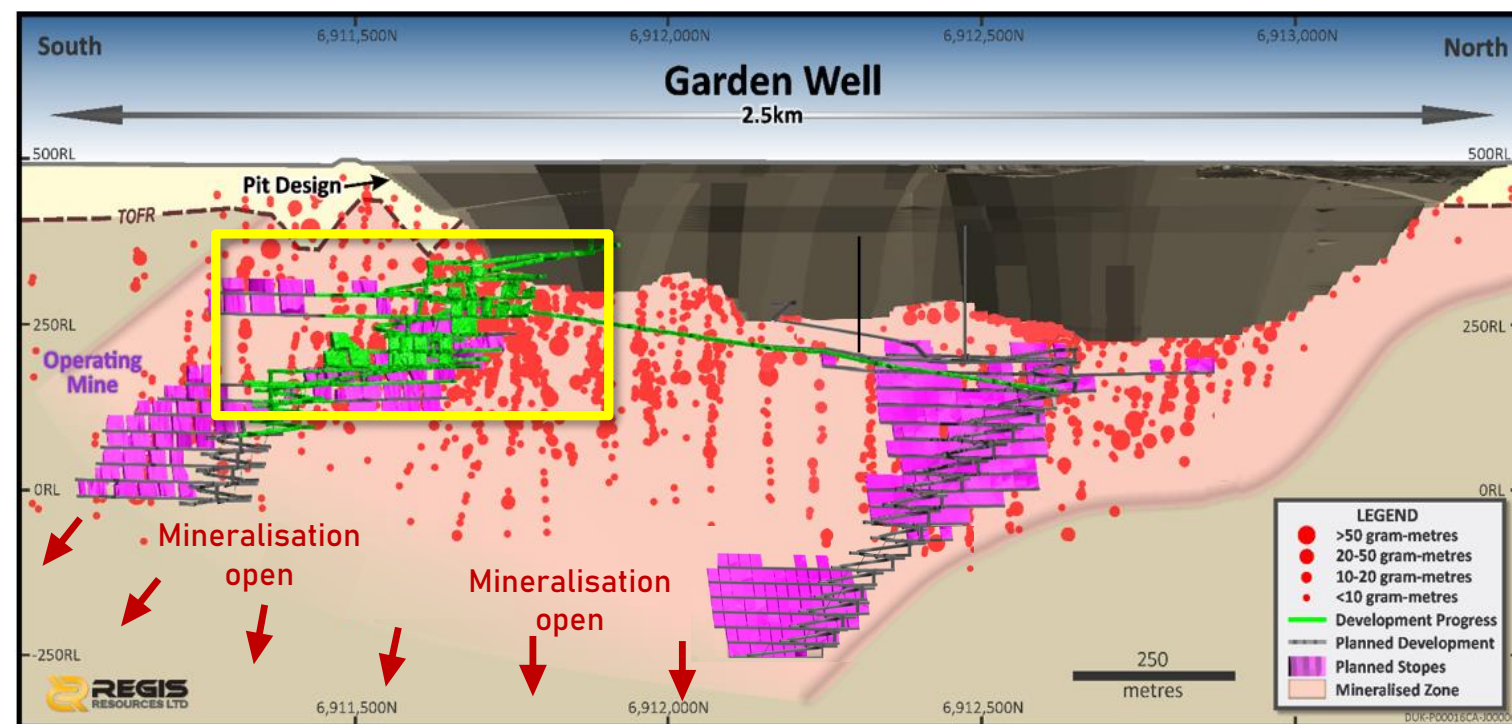
200-250koz

Tropicana

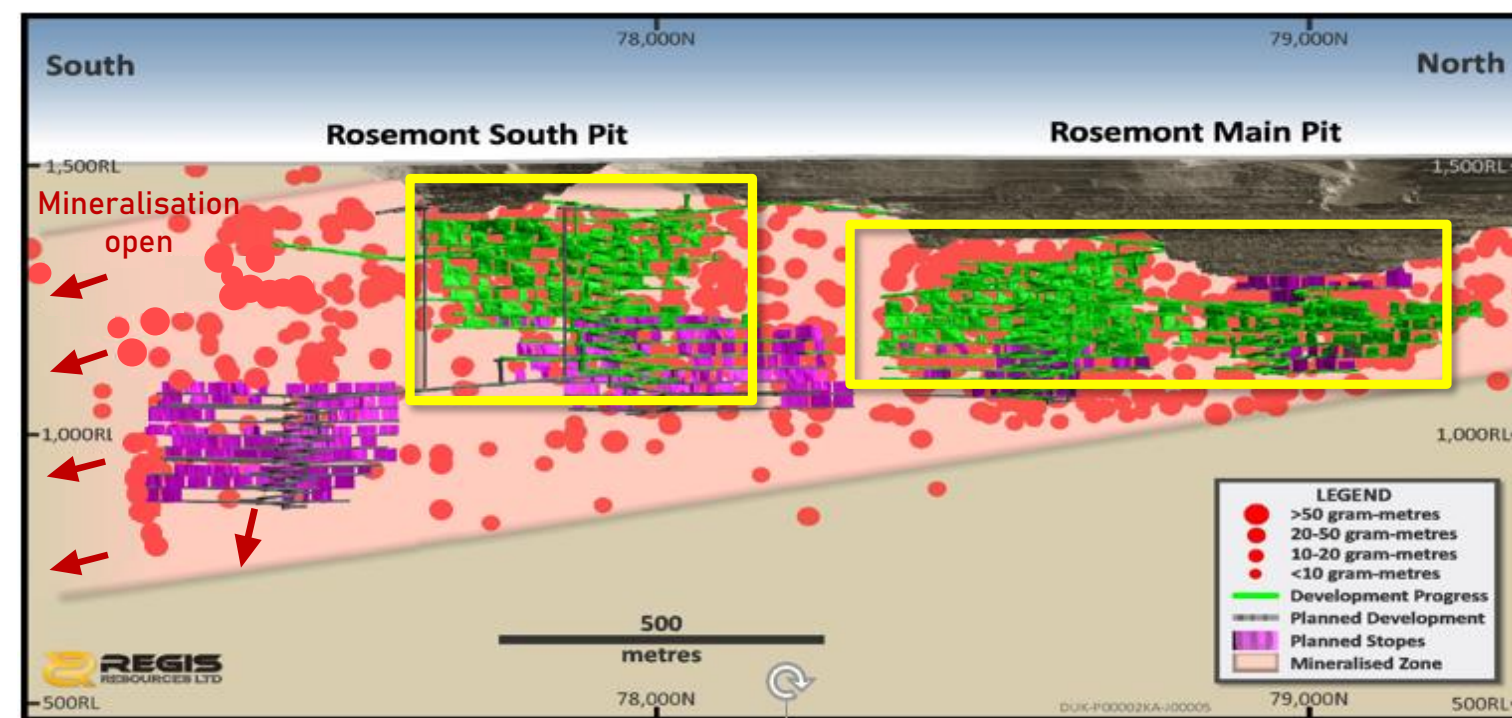
135-150koz

McPhillamys

165-180koz



FY23 Garden Well South and Rosemont underground mines produced ~77koz gold.



FY24 we expect to produce ~100koz.

1. Assumes no new open pit discovery



Two additional, value accretive underground developments

Our two new underground projects are expected to contribute significant additional production towards our target

Target 500koz

Garden Well Main adds annual production

Rosemont Stage 3 adds mine life

Duketon

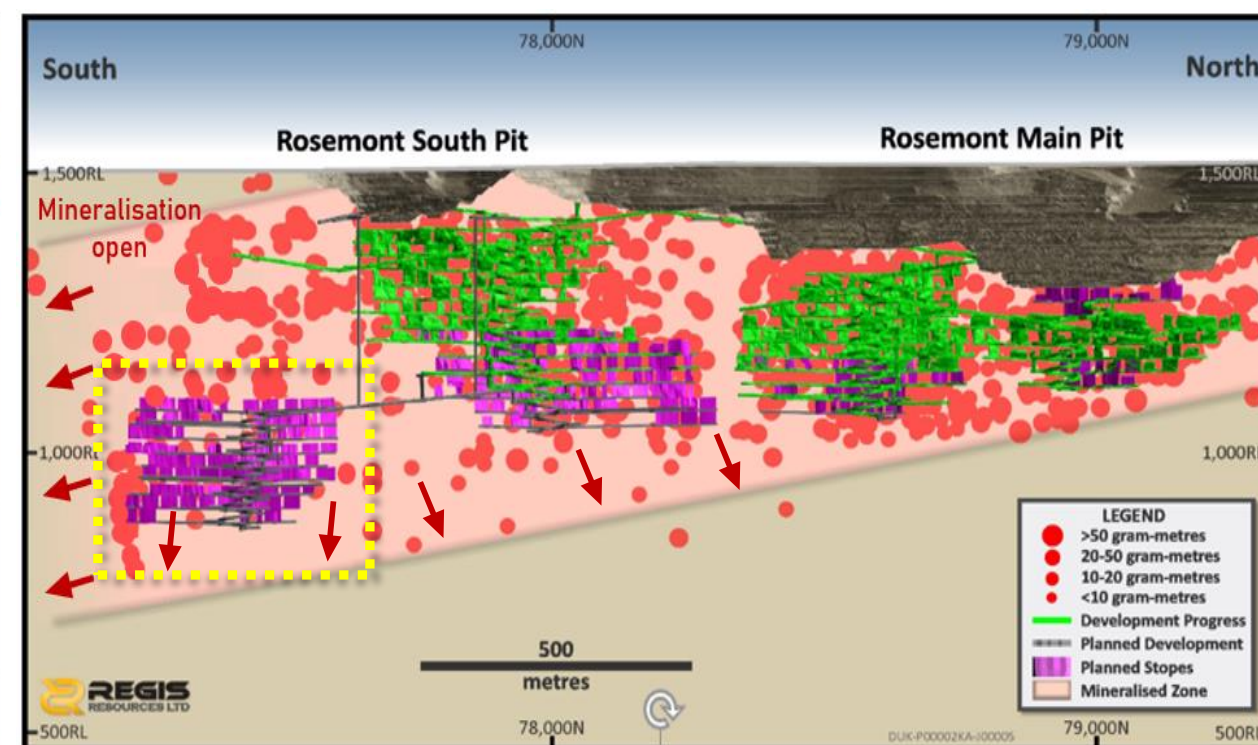
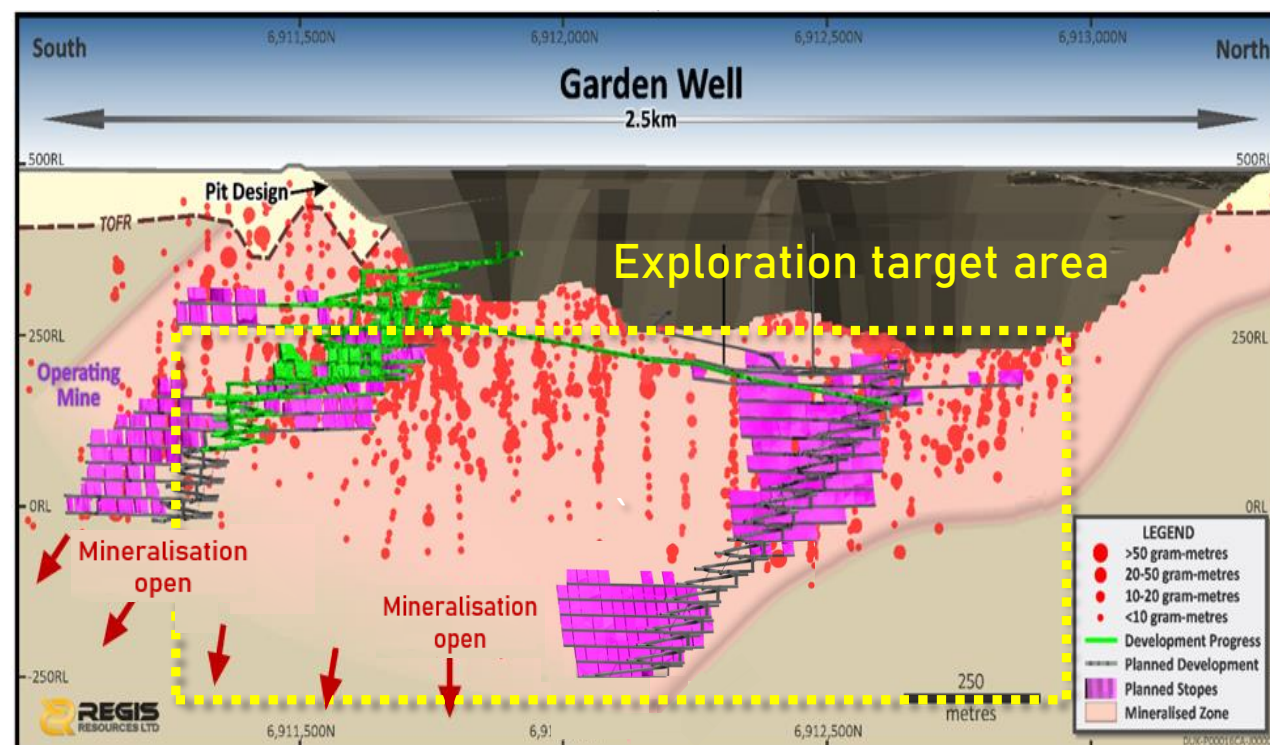
200-250¹koz

Tropicana

135-150koz

McPhillamys

165-180koz



Production Target²: 60koz - 70koz pa

Mining Inventory: 295koz of gold³ from 31% Ore Reserves, 28% Inferred Mineral Resources and 41% Exploration Target

Garden Well Exploration Target remains

Tonnage: 9Mt to 18Mt

Grade: 2.3g/t to 2.9g/t

Contained gold: 0.8Moz to 1.3Moz

Production Target²: 40koz - 60koz pa

Mining Inventory: 157koz with of gold³ from 26% Ore Reserves, 43% Inferred Mineral Resources and 31% Exploration Target

Rosemont Stage 3 Exploration Target

Tonnage: 0.6Mt to 0.8Mt

Grade: 2g/t to 3g/t

Contained gold: 0.4koz to 0.8koz

1. Assumes no new open pit discovery
 2. Steady state annualised Production Target from FY27
 3. In-situ gold

Both projects offer further growth

Mineralisation remains open and exploration success will further enhance value.

Target 500koz

Garden Well Main adds annual production

Rosemont Stage 3 adds mine life

Duketon

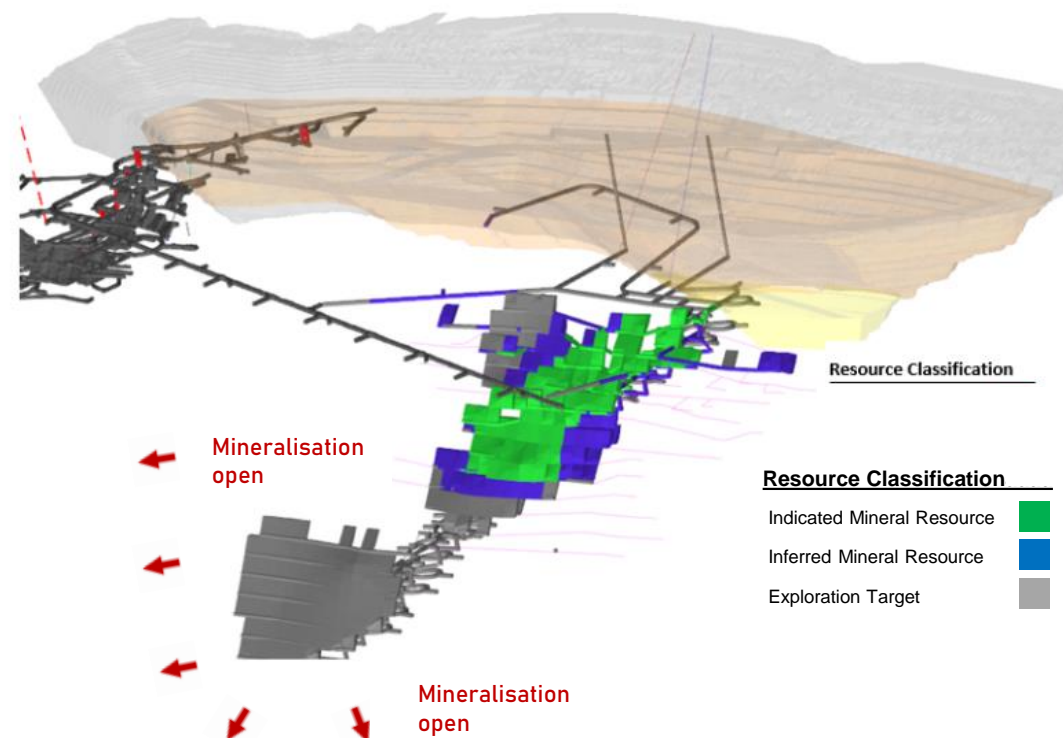
200-250¹koz

Tropicana

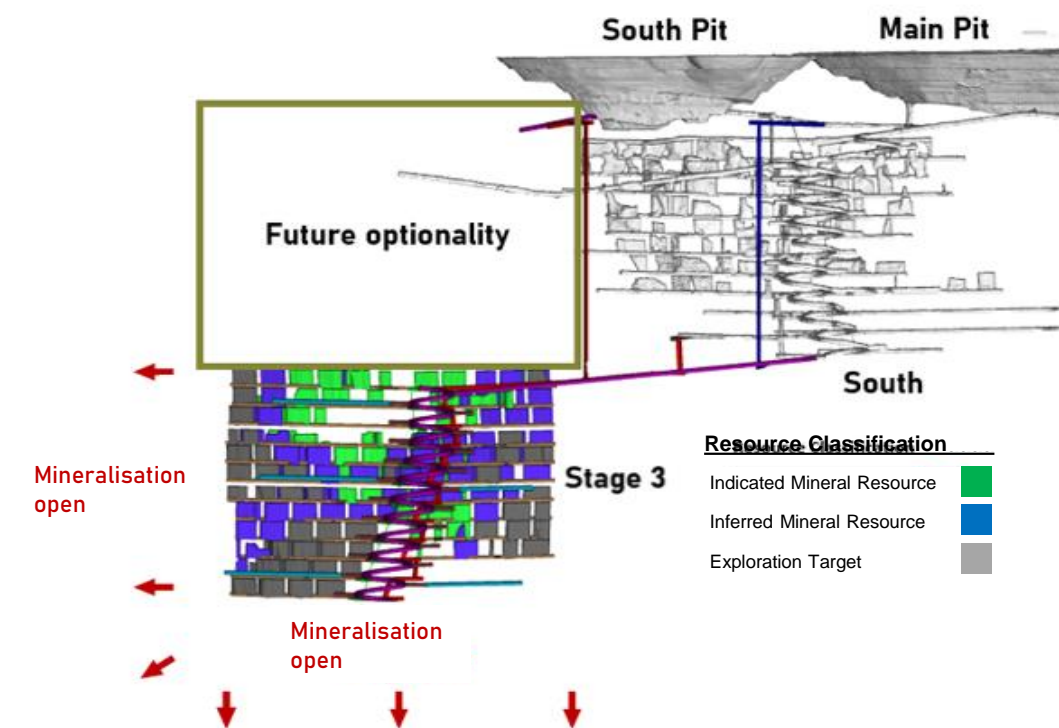
135-150koz

McPhillamys

165-180koz



Physicals	Garden Well Main
Material mined	3.2Mt
Ore grade mined	2.8g/t
In situ Au mined	295koz
Mill recovery	91.6%
Gold production	270koz
Capital costs	
Growth Capital (pre-commercial production)	US\$49m - US\$62m
Project AISC (commercial production)	
All-In Sustaining Costs (excl. Growth Capital)	US\$1,348/oz - US\$1,414/oz



Physicals	Rosemont Stage 3
Material mined	1.7Mt
Ore grade mined	2.8g/t
In situ Au mined	157koz
Mill recovery	94.0%
Gold production	148koz
Capital costs	
Growth Capital (pre-commercial production)	US\$30m - US\$36m
Project AISC (commercial production)	
All-In Sustaining Costs (excl. Growth Capital)	US\$1,578/oz - US\$1,644/oz

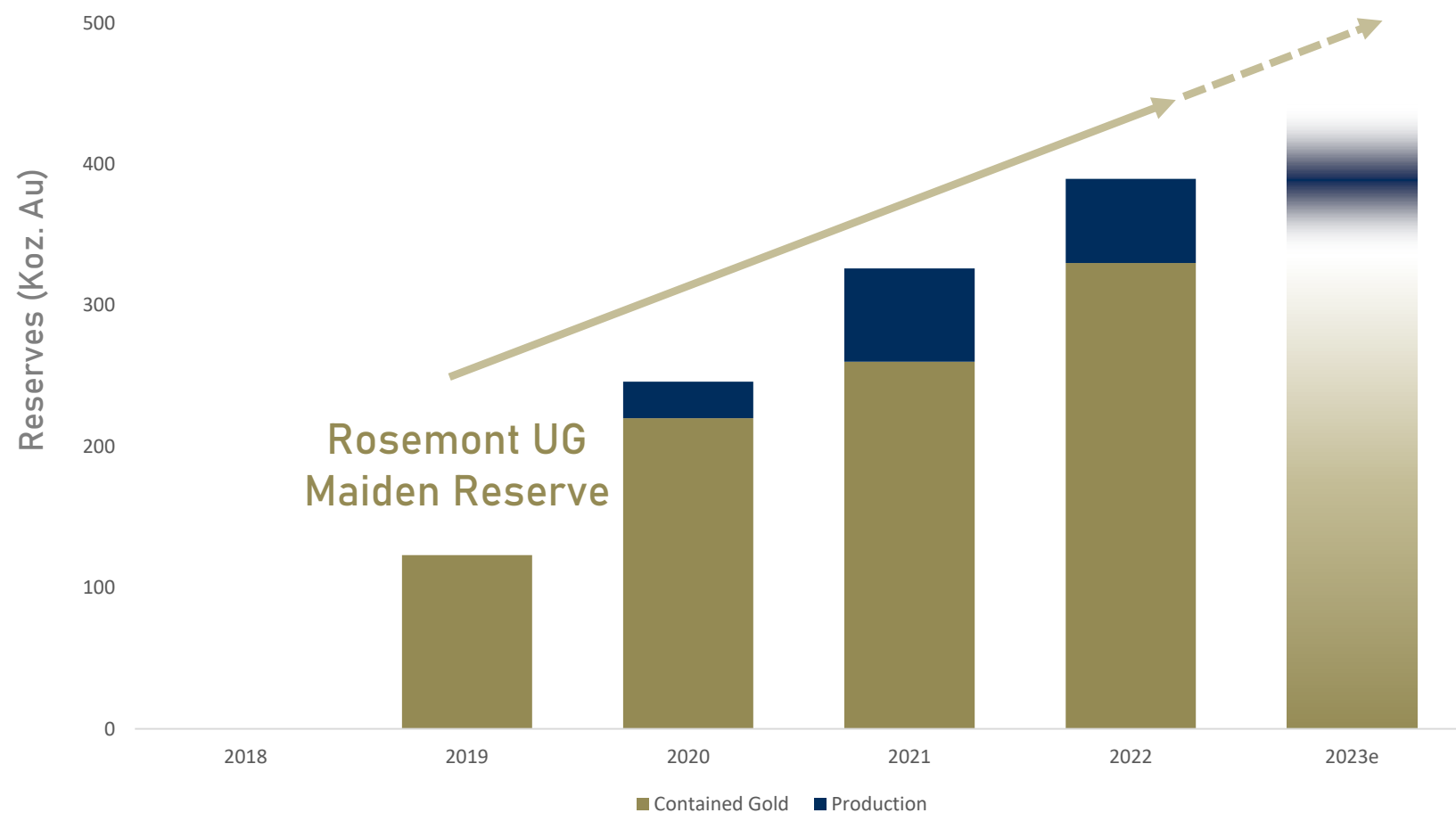
1. Assumes no new open pit discovery



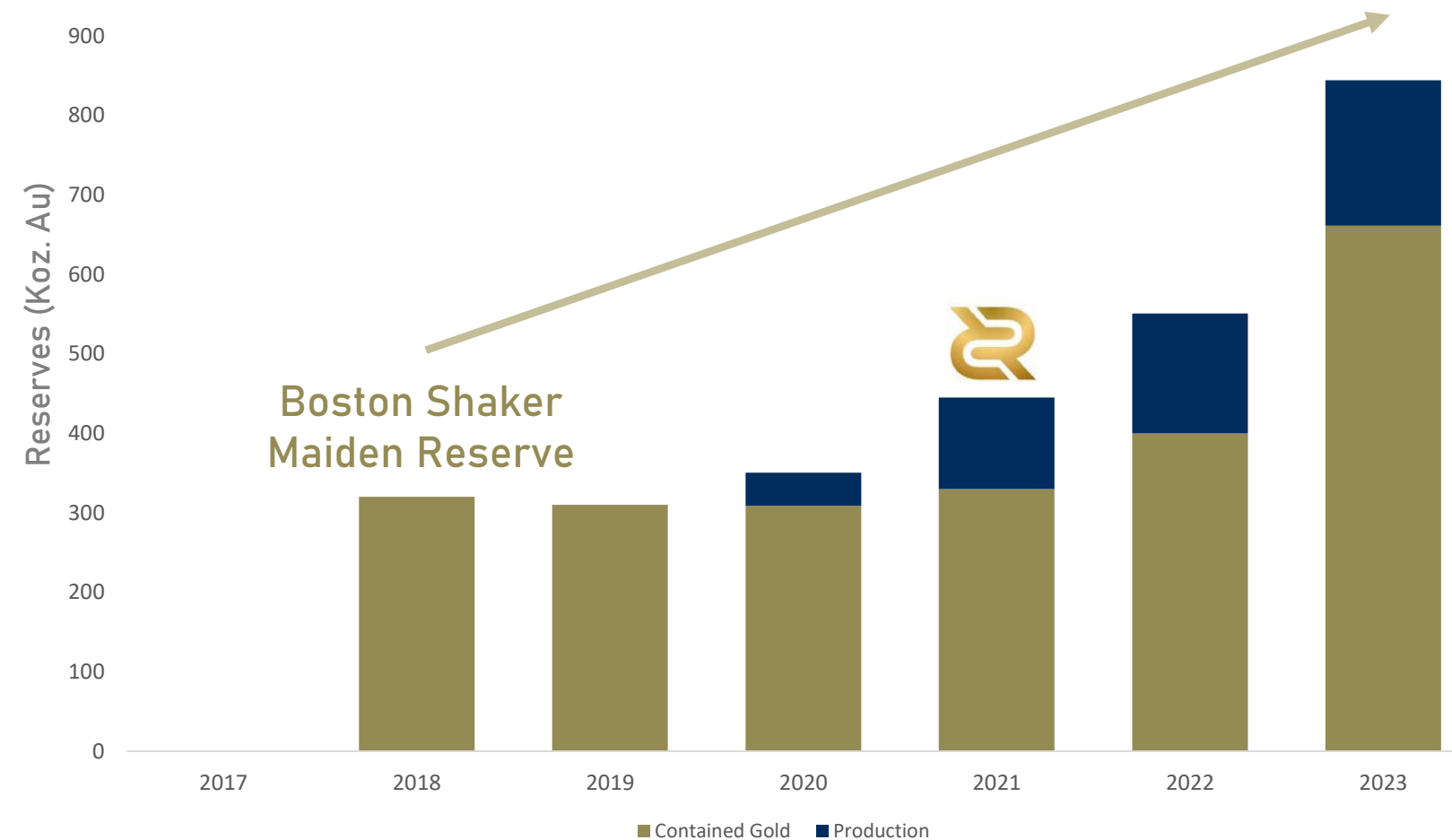
Duketon and Tropicana underground mines continue to grow

Ore Reserves have grown consistently, with further growth expected

~170% increase in Ore Reserves¹ at Duketon while 151koz of gold has been produced between 2019 and 2022



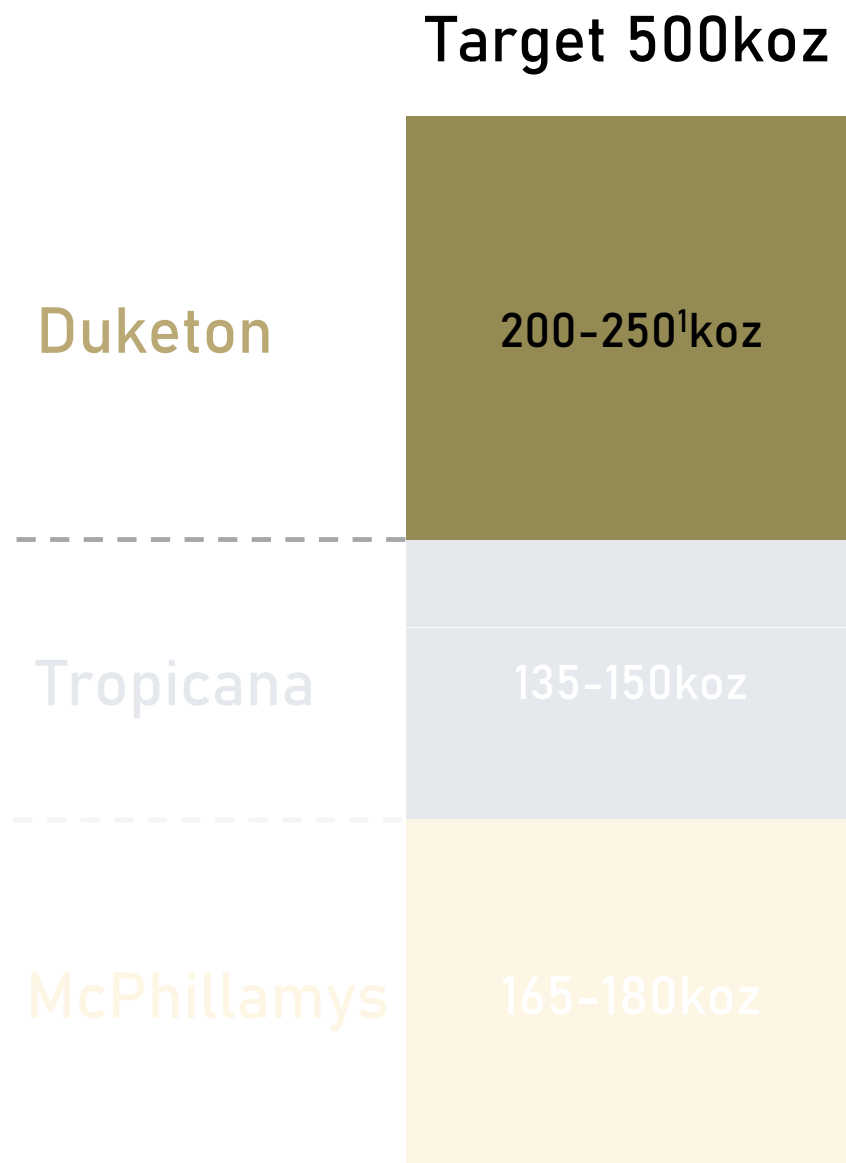
Over 100% increase in Tropicana Underground Ore Reserves^{1,2} while 449koz of gold has been produced since 2021³



1. Ore Reserves and depletion is based on calendar year. Please see www.regisresources.com and www.anglogoldashanti.com for further details on Ore Reserves.
 2. On 100% basis for Ore Reserves
 3. Completion of acquisition of 30% of Tropicana on 31 May 2021

The Duketon Organic Underground Growth Strategy

Leveraging our pipeline of underground targets, to deliver four to five underground mines to deliver 200koz to 250koz



- Regis holds a dominant position in the under-explored Duketon belt with over 3,000km²
- We continue to pursue high value open pit targets but underground targets remain compelling
- To date ~5% of exploration activities have been focused at depths below ~200m.
- West Australian underground mines in general are renown for delivering continuous resource growth.
- A strong pipeline of underground targets to leverage and deliver the remaining ounces of our target, including;
 - Rosemont Stage 4
 - Garden Well South Extension
 - Baneygo
 - Idaho
 - Ben Hur
 - Reichelts
 - Merlin
 - Tooheys Well

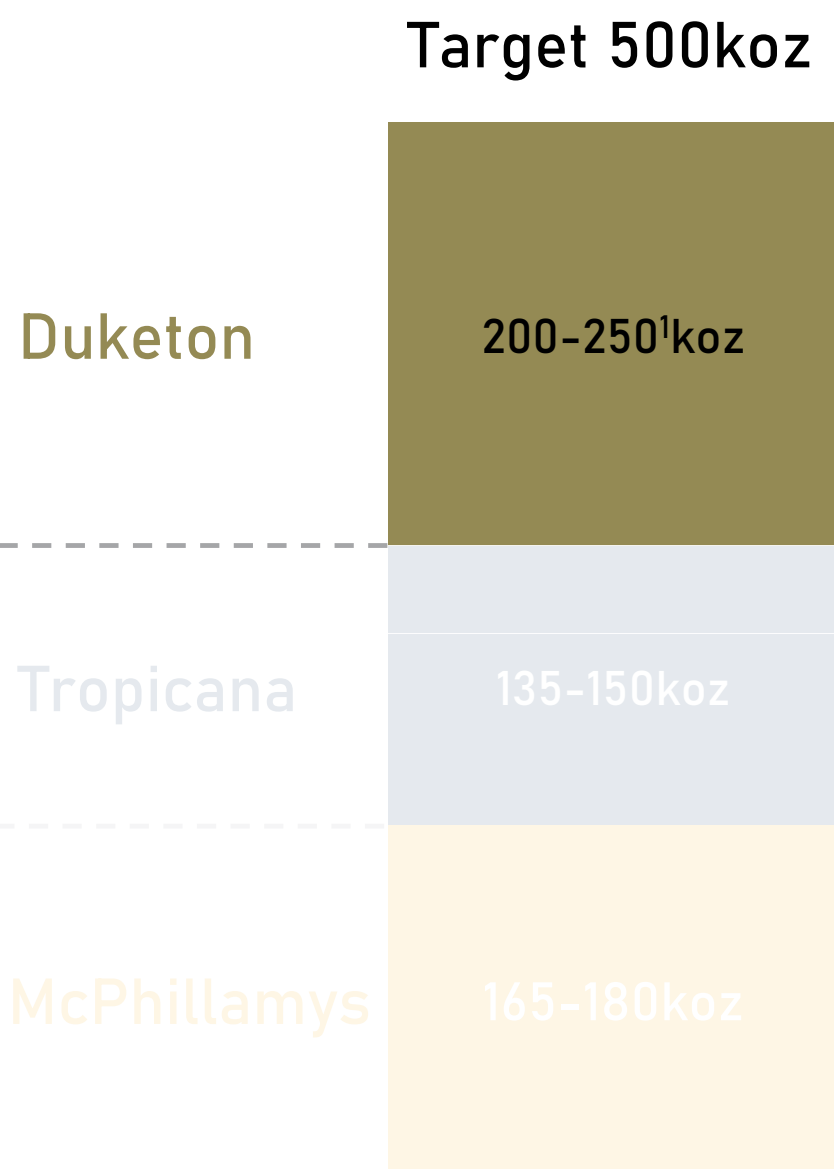
1 Assumes no new open pit discovery

2 During open pit and underground phase

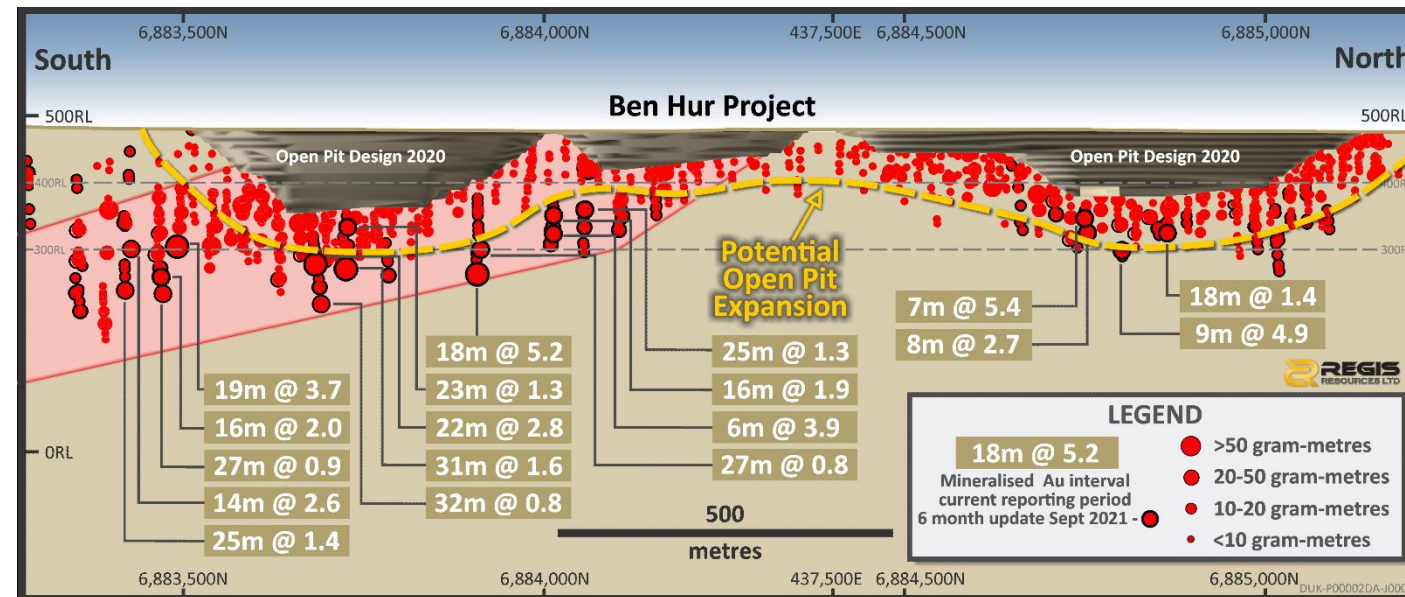


The Duketon Organic Underground Growth Strategy

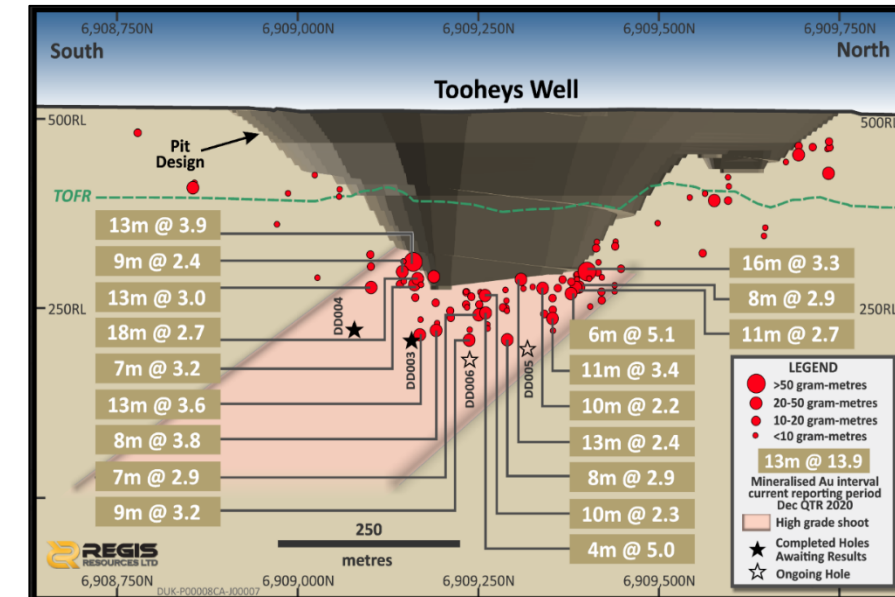
A pipeline of potential other underground targets



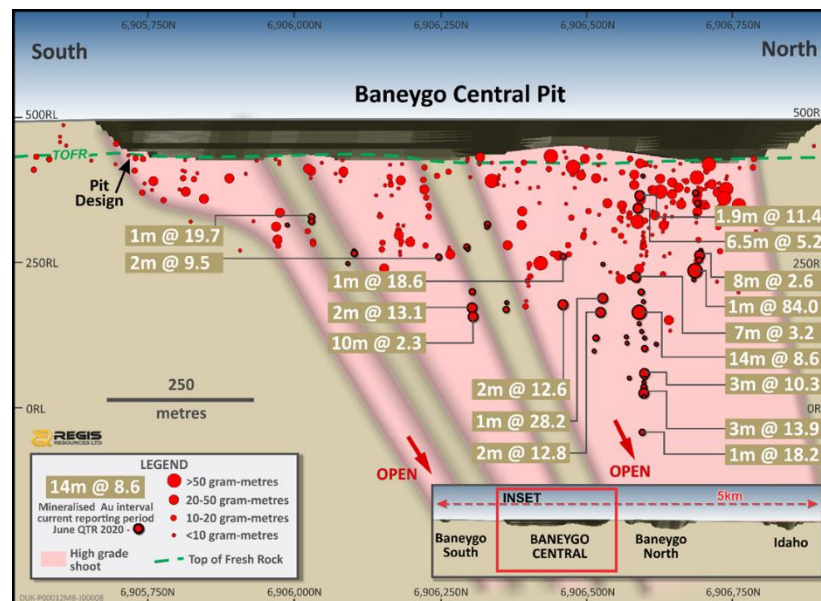
Ben Hur



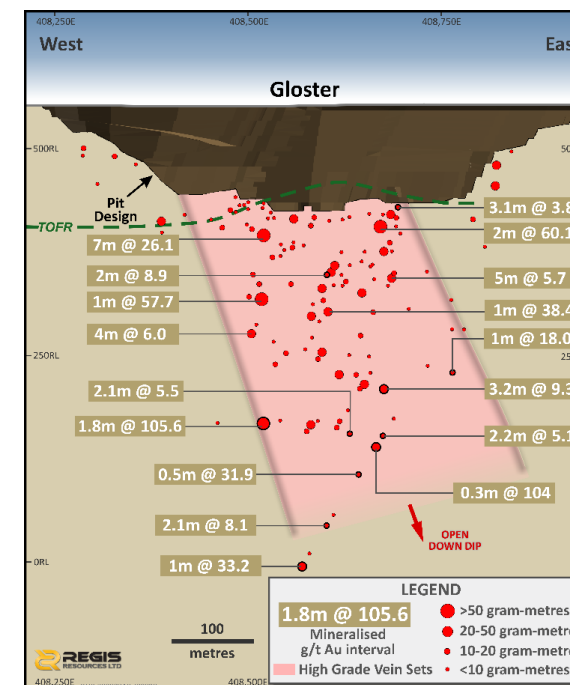
Tooheys Well



Baneygo



Gloster

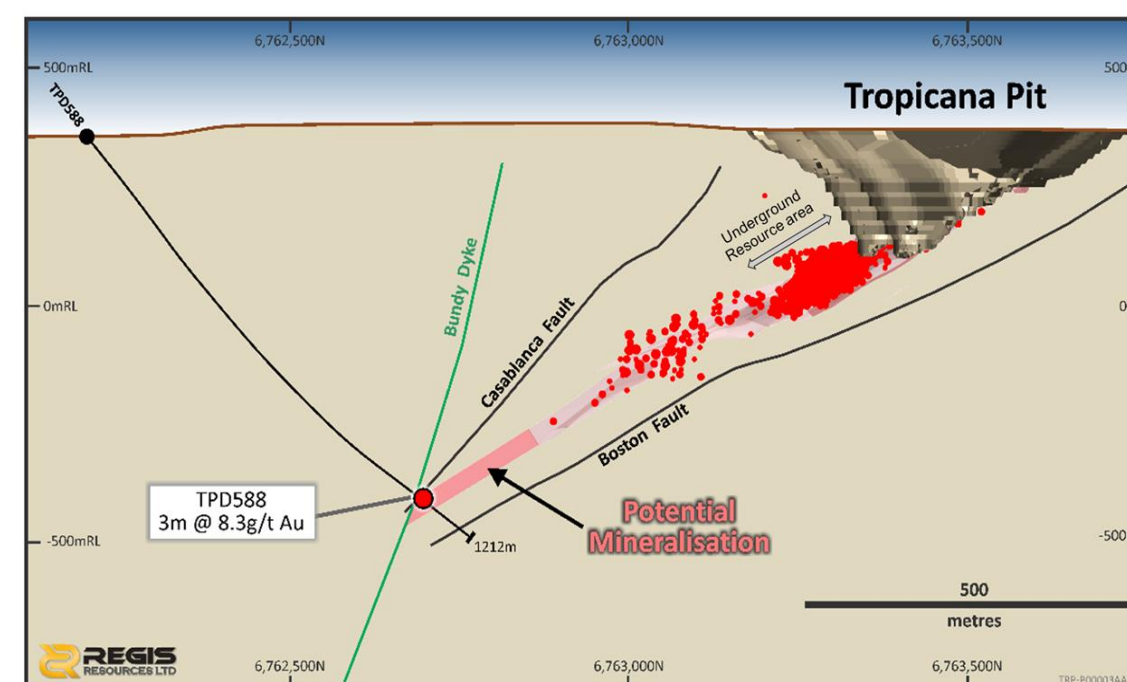
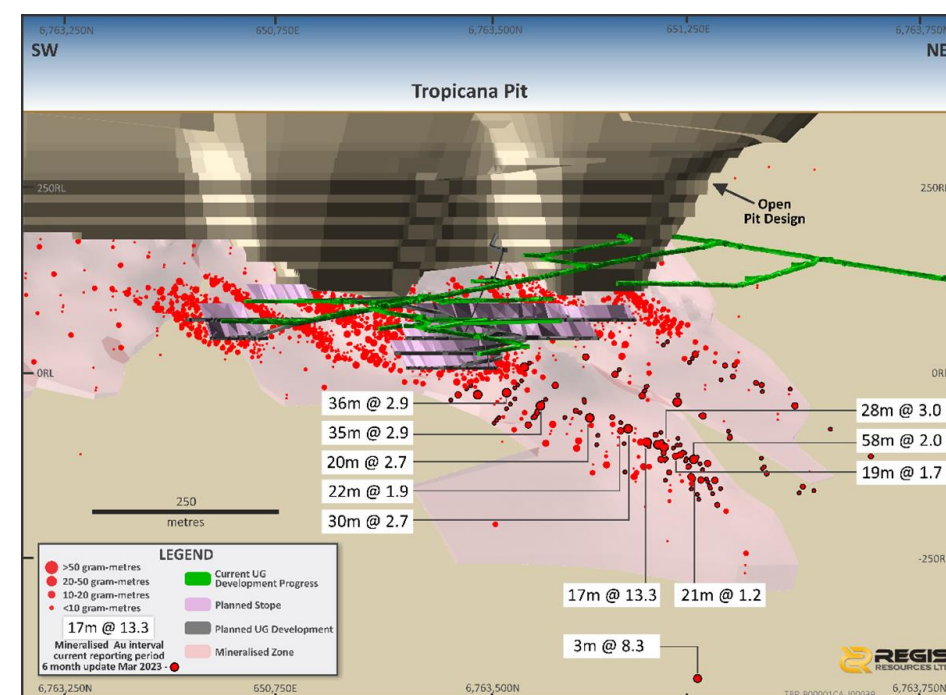
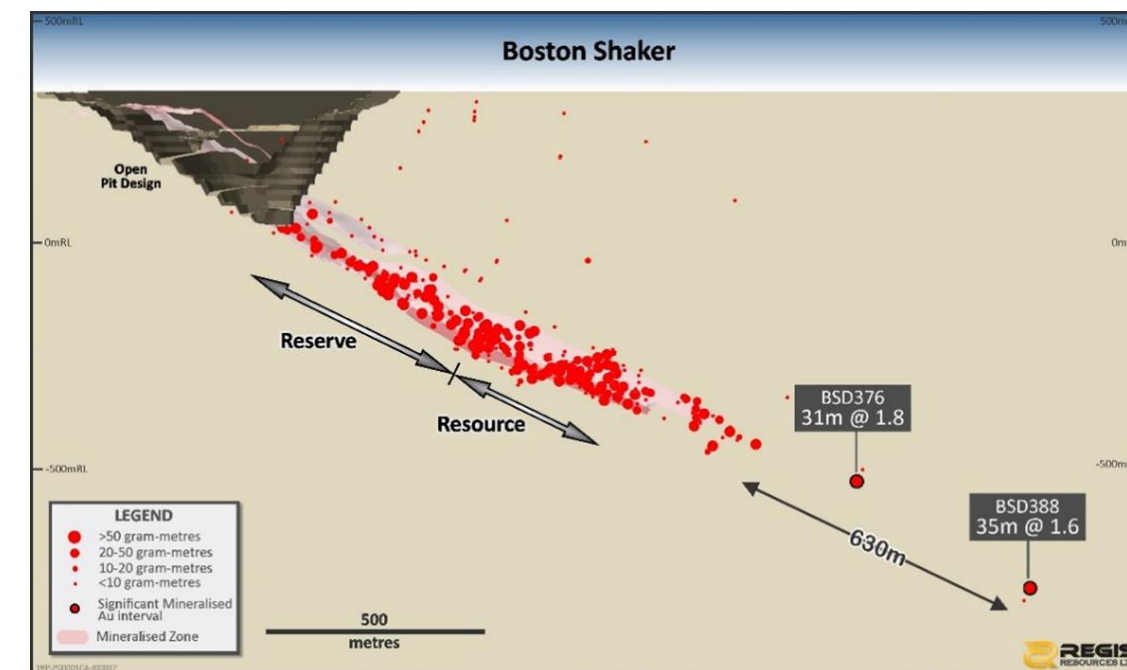
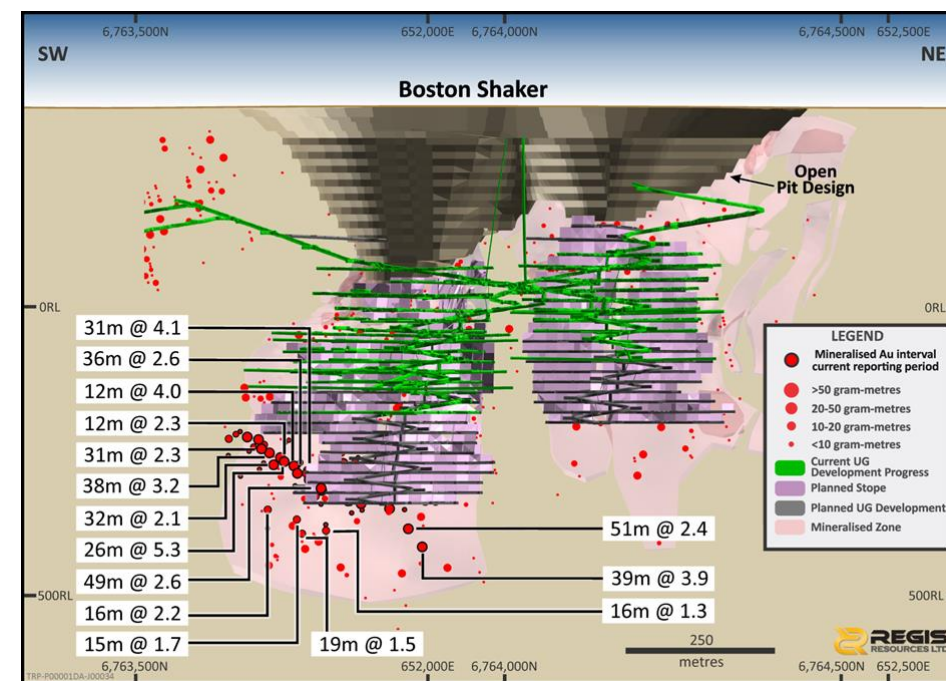
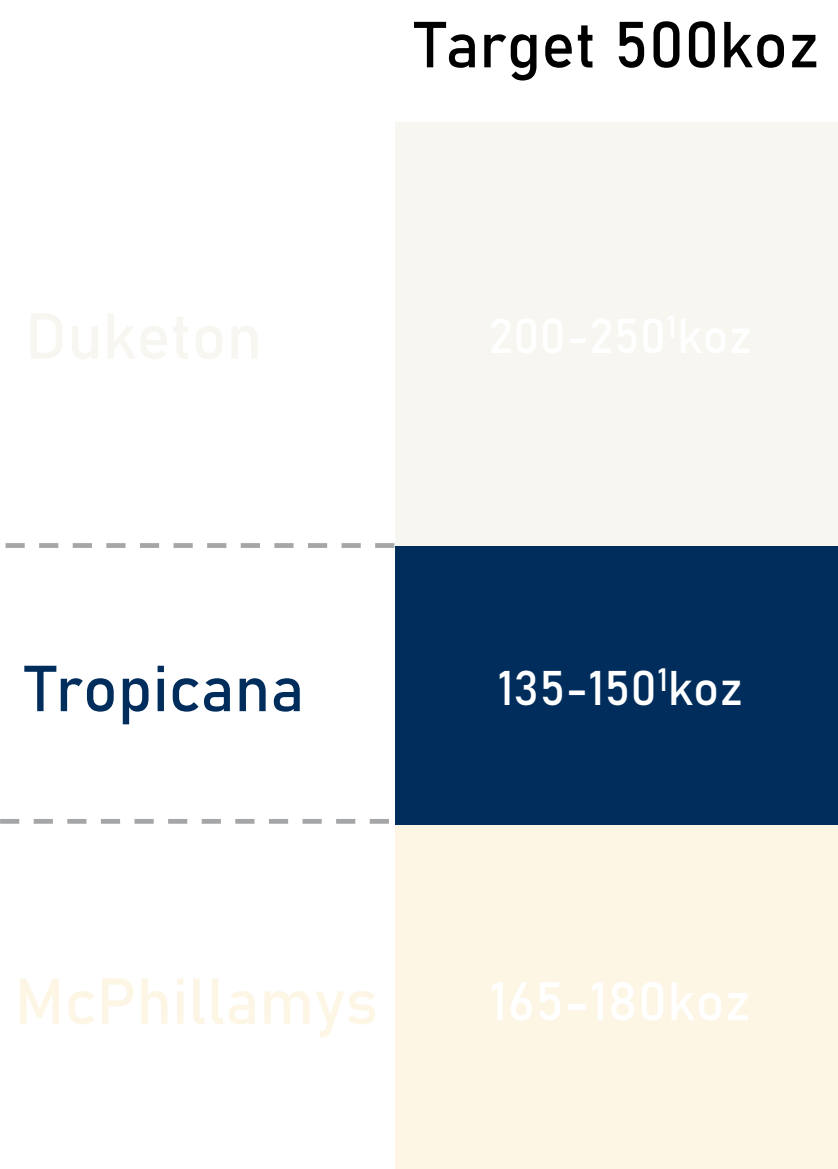


1 Assumes no new open pit discovery



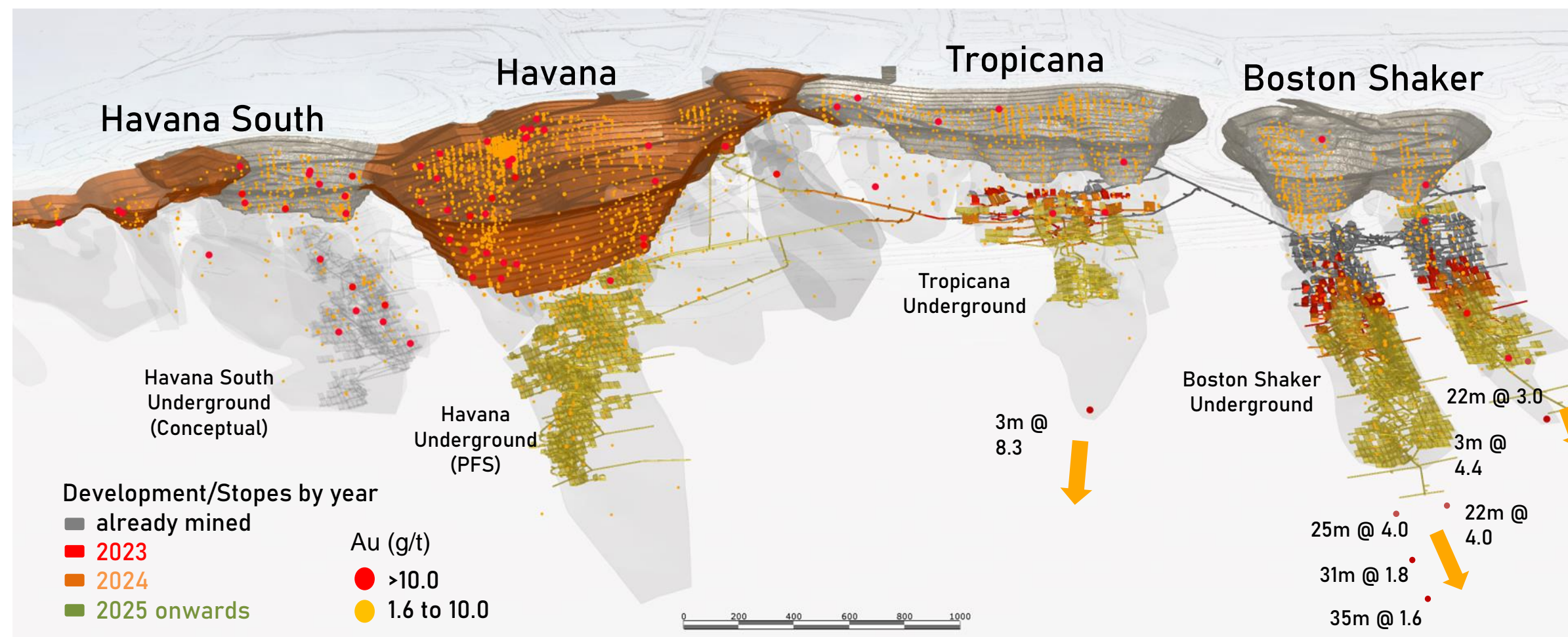
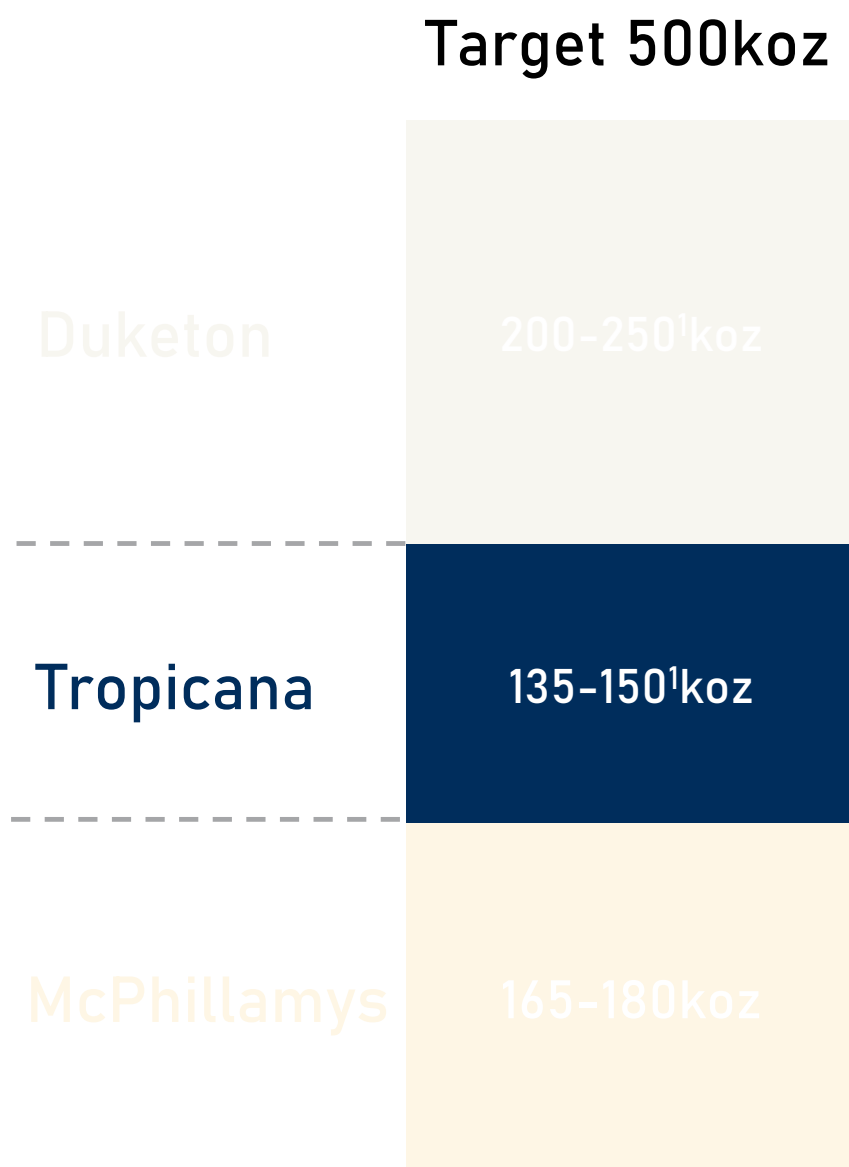
What we currently have at Tropicana and its Growth

Boston Shaker and Tropicana Underground continue to provide extensional opportunities



Havana, Boston Shaker and Tropicana are exciting underground growth stories

Preliminary works on opening the Havana underground portal has commenced

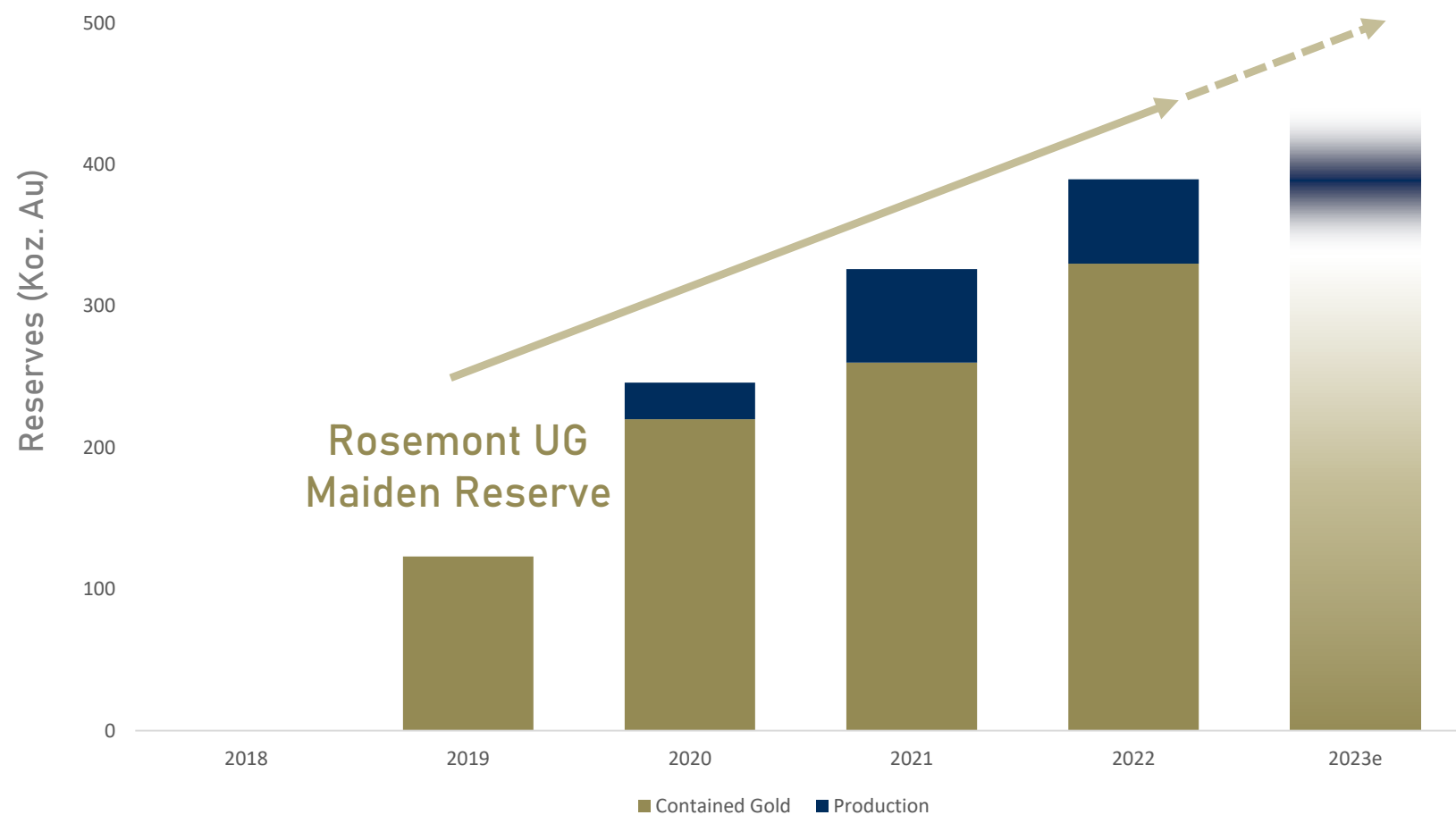




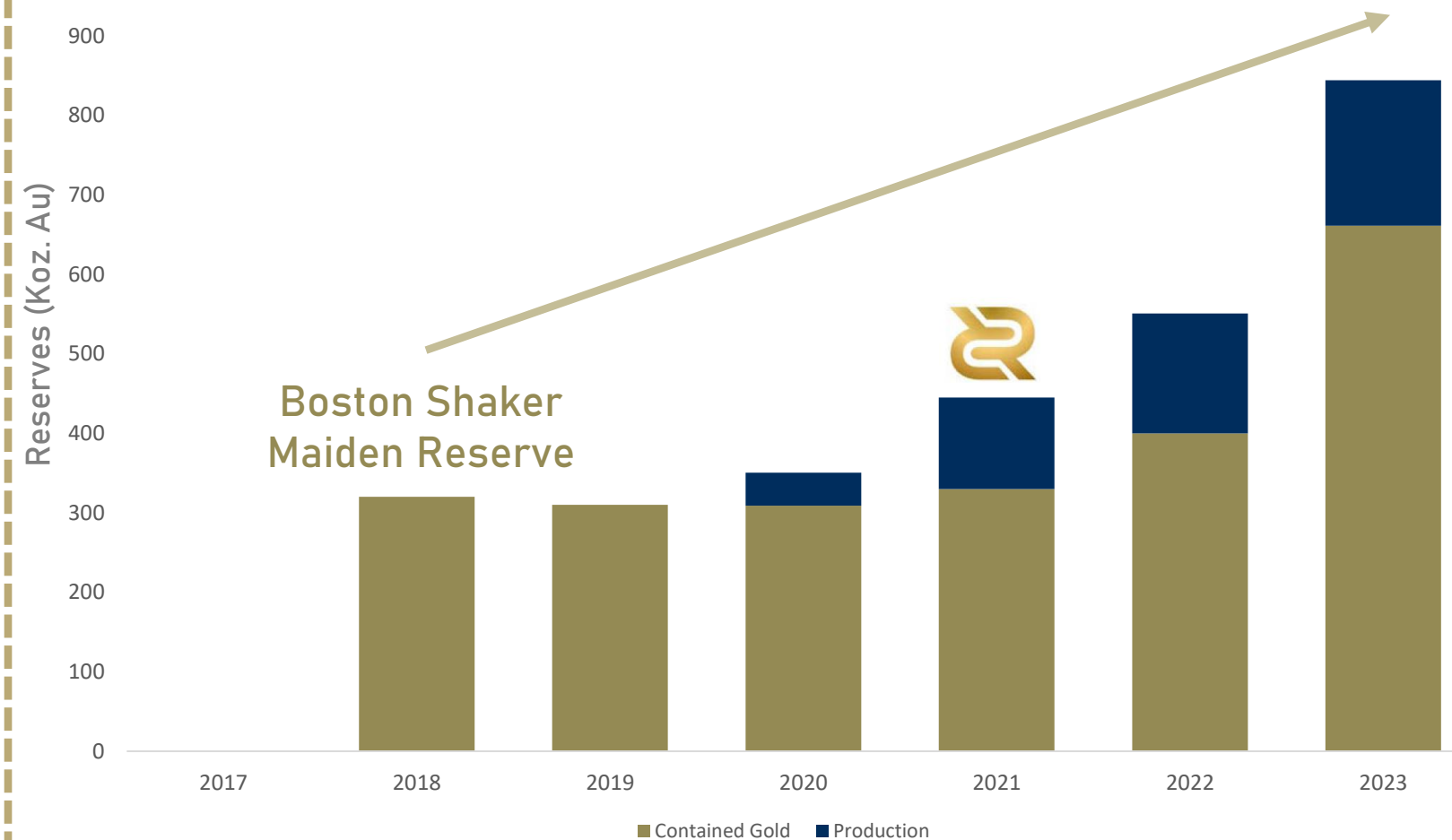
Duketon and Tropicana underground mines continue to grow

Ore Reserves have grown consistently, with further growth expected

~170% increase in Ore Reserves¹ at Duketon while 151koz of gold has been produced between 2019 and 2022



Over 100% increase in Tropicana Underground Ore Reserves^{1,2} while 449koz of gold has been produced since 2021³

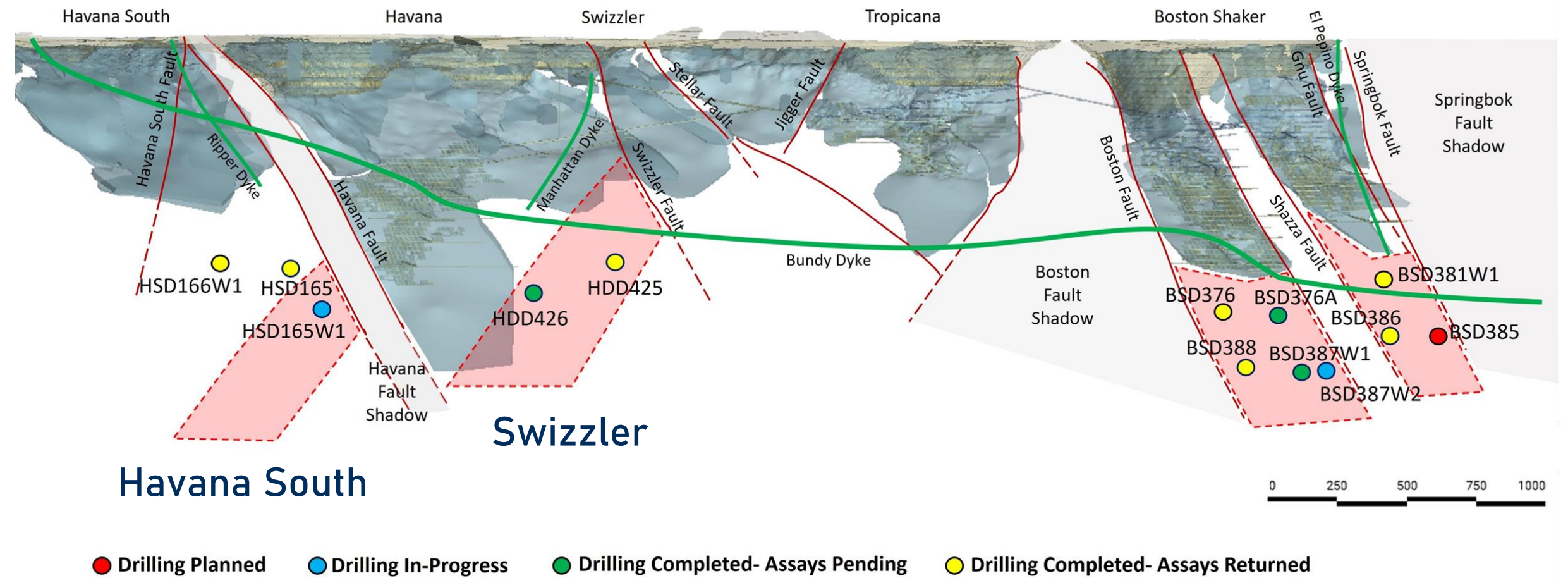
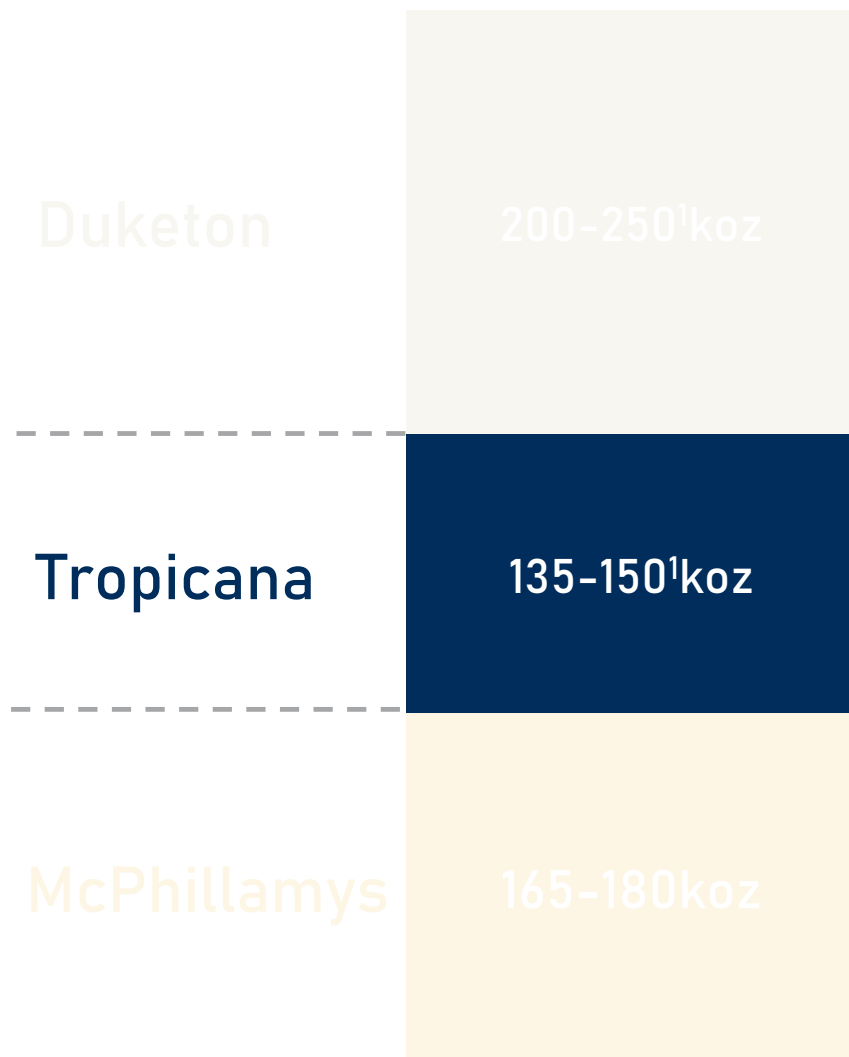


1. Ore Reserves and depletion is based on calendar year. Please see www.regisresources.com and www.anglogoldashanti.com for further details on Ore Reserves.
 2. On 100% basis for Ore Reserves
 3. Completion of acquisition of 30% of Tropicana on 31 May 2021

The underground growth optionality across Tropicana is significant

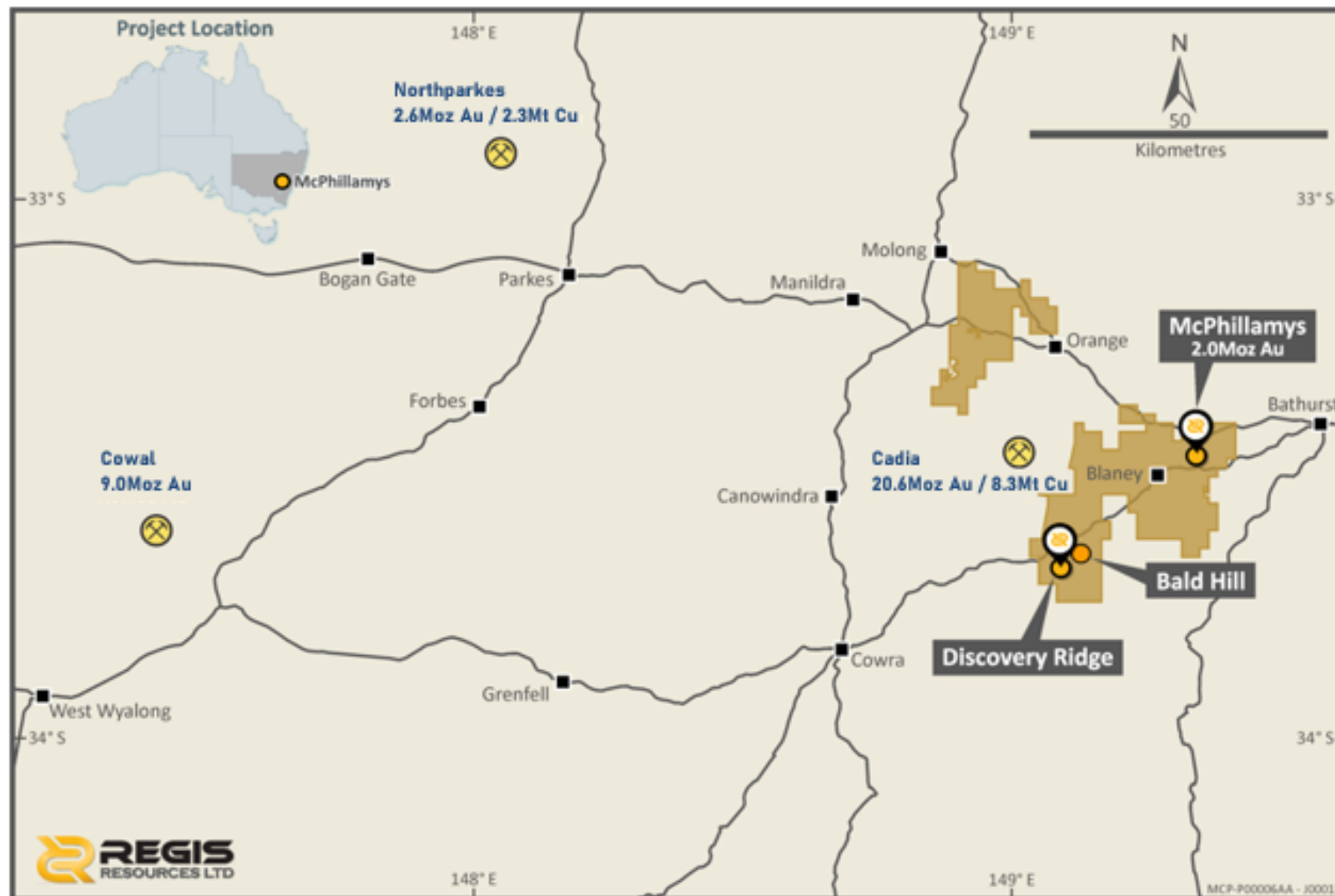
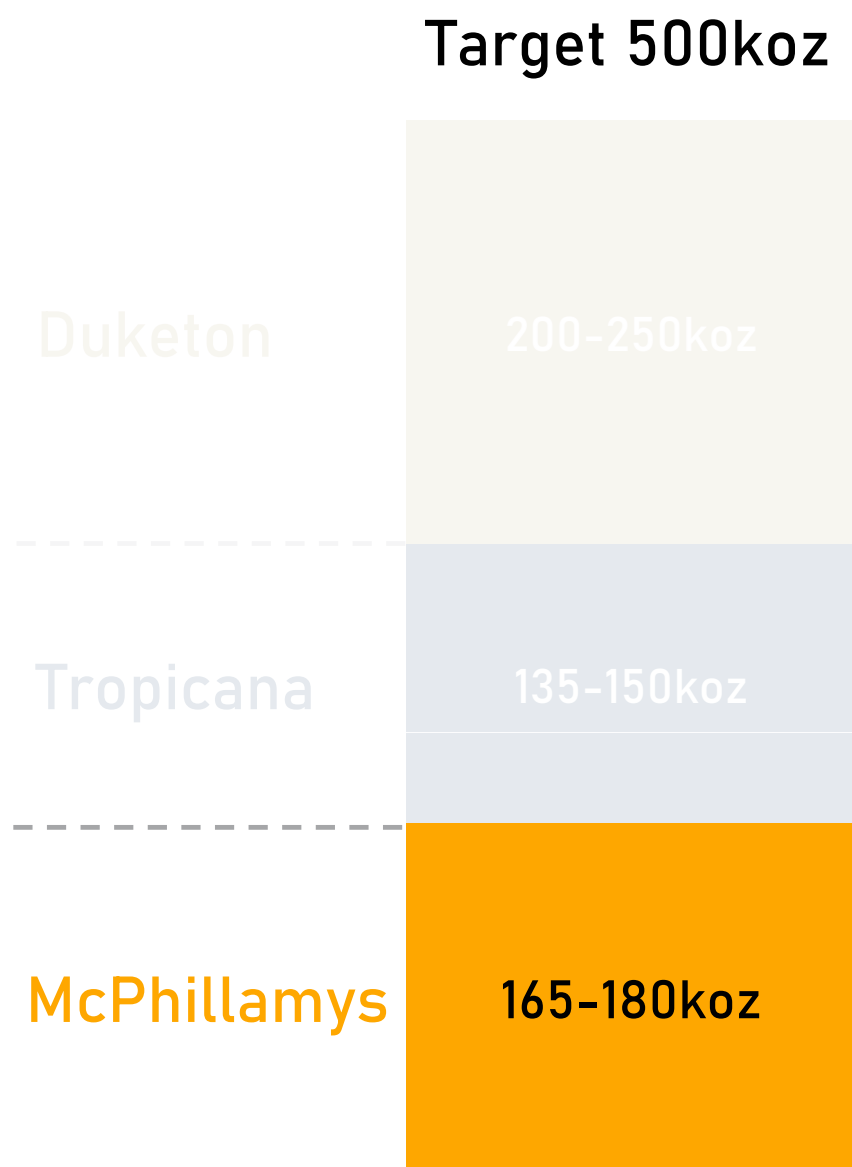
Testing at depth to extend life and testing for new mineralisation at Swizzler and Havana South for annual production growth

Target 500koz



The Lachlan Fold is a prolific mining region

Home to some of Australia's largest gold deposits and McPhillamys represents a significant longer-term opportunity

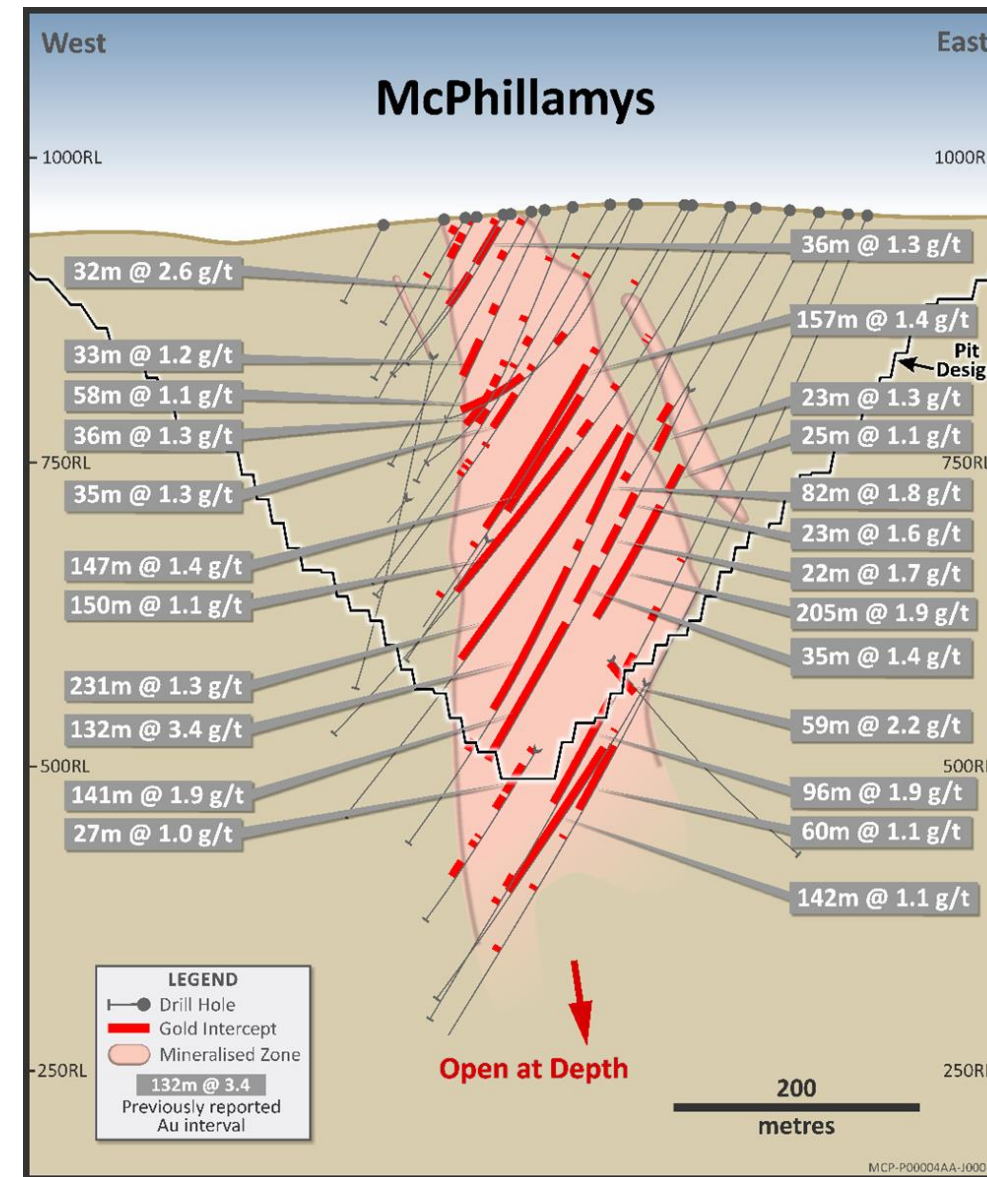
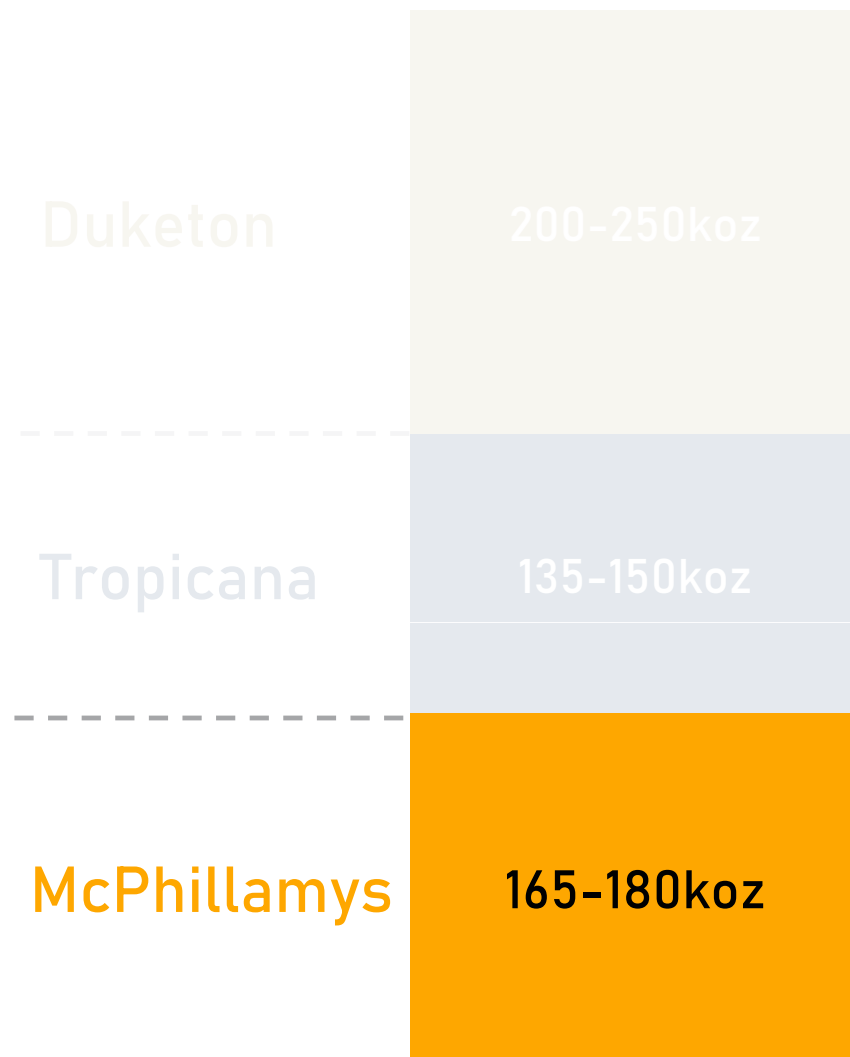


Endowments based on total Resources and from Company reports

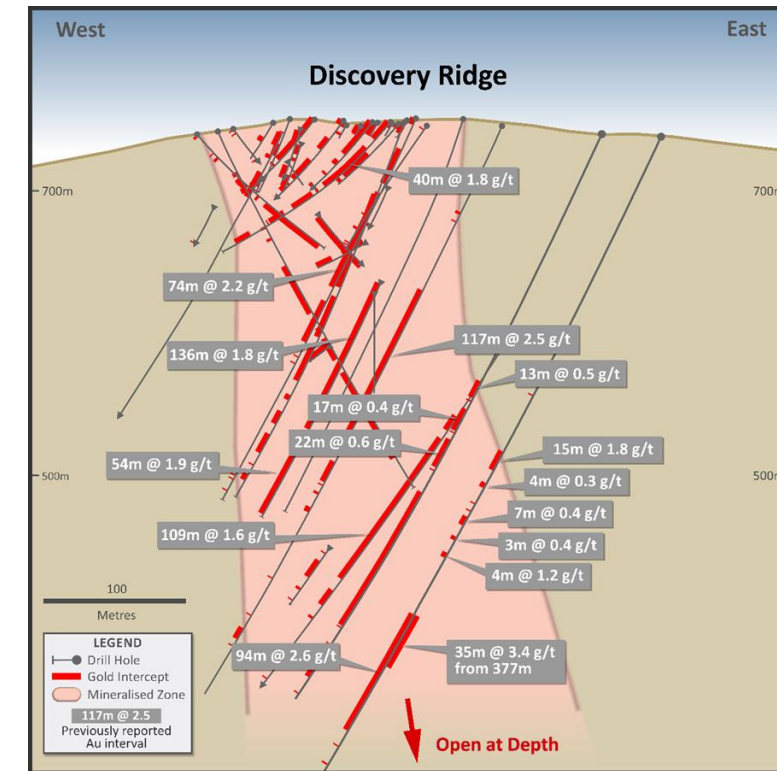
McPhillamys could continue at depth and via satellite deposits

Discovery Ridge and Kings Plains offer further growth

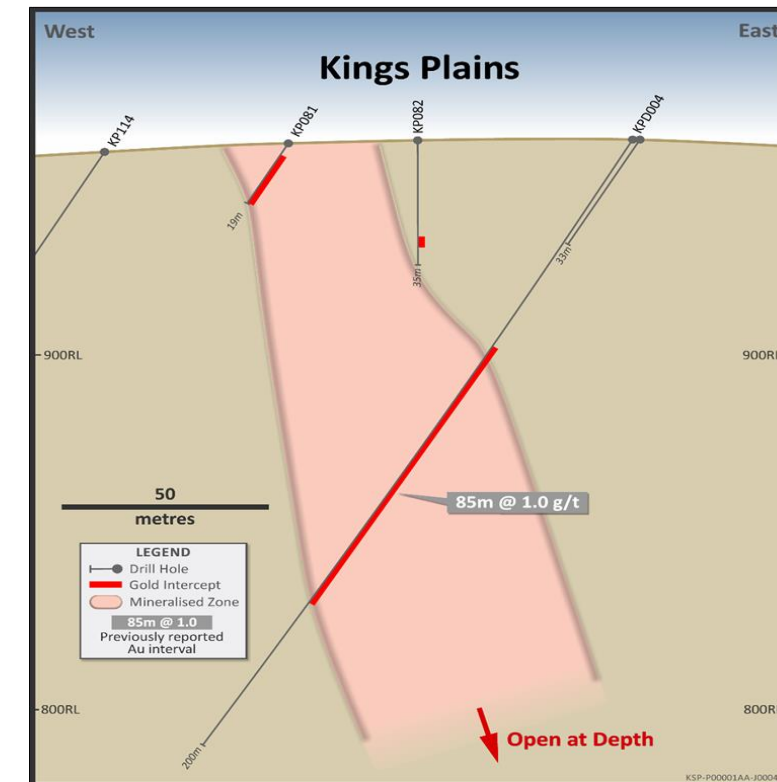
Target 500koz



McPhillamys:
61Mt at 1.0g/t for 2.0Moz Au



Discovery Ridge:
390koz in Resource

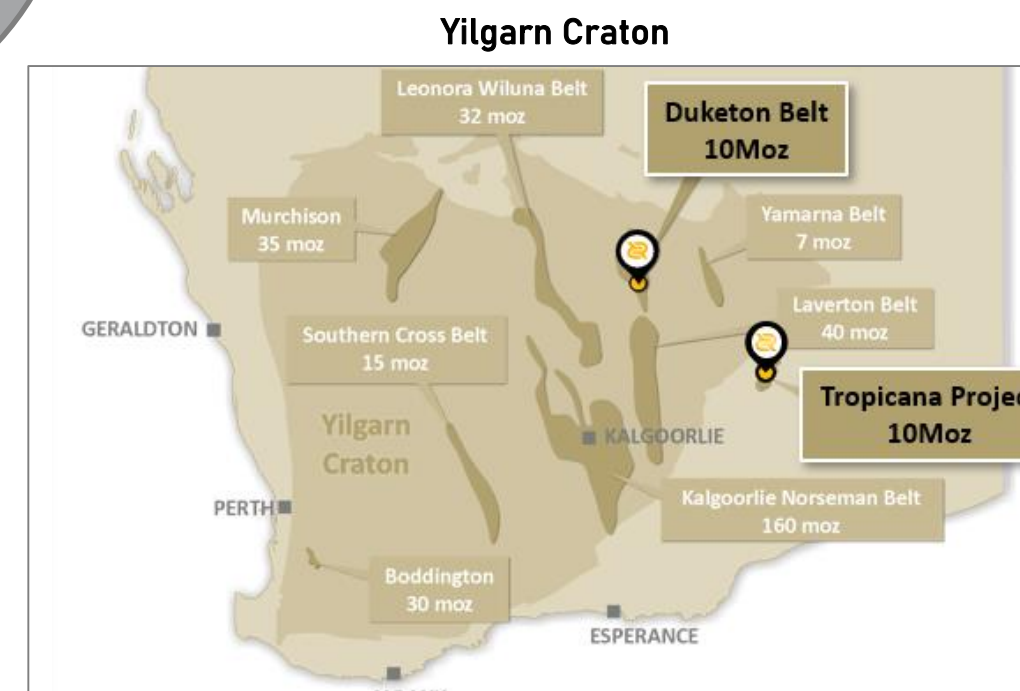
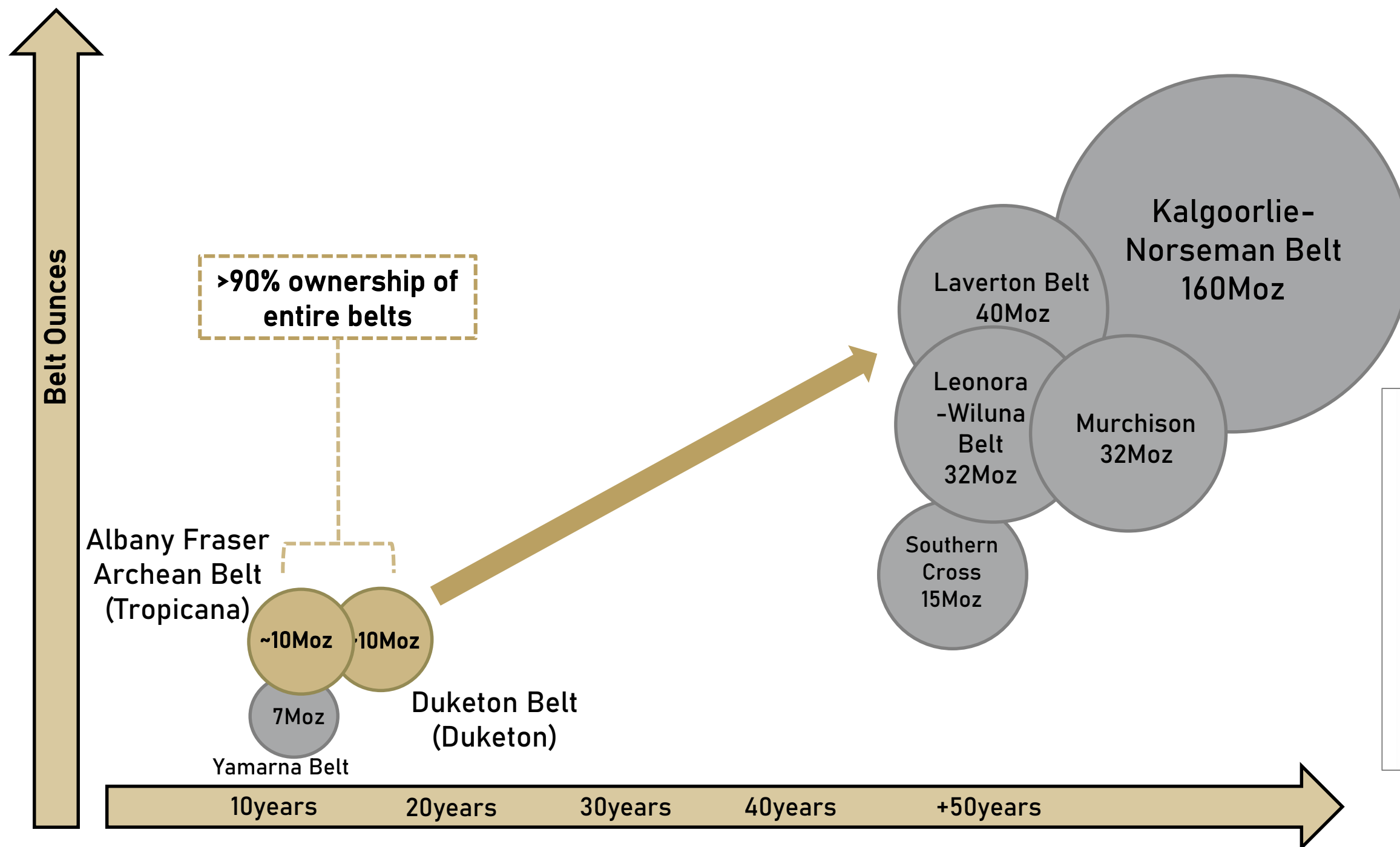


Kings Plains:
85m @ 1.0g/t Au



A future of growth

On greenstone belts the longer you explore the more you find





A golden opportunity that generates cash and delivers growth

- 🔗 **One of the ASX's largest, unhedged gold producers, generating cash and delivering value accretive growth**
- 🔗 **Delivered meaningful cash build of US\$20M in Q3 FY24, with more to come**
- 🔗 **100% Australian assets with scale and leverage to the gold price**
- 🔗 **Holds a dominant position in a highly prospective, under-explored gold belt**
- 🔗 **Continued delivery into a robust strategy with a track record of consistent, value accretive growth**
- 🔗 **Holds a pipeline of additional near-term, low-capital intensity, organic underground growth targets**
- 🔗 **McPhillamys is longer-dated optionality within a prolific mining region**



Further information
Investor Relations

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Reserve Table

ORE RESERVES as at 31 December 2022 (Regis Attributable)														
Gold				Proved			Probable			Total Ore Reserve			Competent Person ³	
Project ¹	Equity	Type	Cut-Off (g/t) ²	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)		
DNO ROM Ore Reserves		Open-Pit	ROM	0.6	0.1	1.0	<10	2	1.1	80	2	1.1	80	B
DNO LG Ore Reserves		Open-Pit	LG	0.3	2	0.3	20	0.3	0.5	<10	2	0.4	30	B
Duketon North Deposits		Sub Total			2	0.4	30	3	1.1	90	5	0.7	110	
DSO ROM Ore Reserves ⁴		Open-Pit	ROM	0.5	9	1	200	7	1.3	290	16	0.9	490	B
DSO ROM Ore Reserves		Underground	ROM	1.9	-	-	-	4	2.5	330	4	2.5	330	C
DSO LG Ore Reserves		Open-Pit	LG	0.3	1	0.4	10	0.2	0.4	<10	1	0.4	20	B
Duketon South Deposits		Sub Total			10	1	210	11	1.7	620	21	1.2	840	
Duketon Total	100%	Sub Total			12	0.6	230	14	1.6	710	26	1.1	950	
Tropicana ROM Ore Reserves ⁵		Open-Pit	ROM	0.7	1	1.8	50	7	1.9	410	7	1.9	460	F
Tropicana ROM Ore Reserves ⁵		Underground	ROM	2.5	1	2.9	110	-	-	0	1	3.0	110	G
Tropicana ROM Ore Reserves ⁵		Stockpiles	ROM	0.6	2	0.8	60	-	-	0	2	0.8	60	F
Tropicana Total	30%	Sub Total			4	1.6	220	7	1.9	410	11	1.8	630	
McPhillamys	100%	Open-Pit	ROM	0.4	-	-	-	61	1.0	2,020	61	1.0	2,020	B
REGIS TOTAL		GRAND TOTAL			16	0.9	450	81	1.2	3,150	98	1.1	3,600	

Notes

The above data has been rounded to the nearest 1,000,000 tonnes, 0.1 g/t gold grade and 10,000 ounces. Errors of summation may occur due to rounding.

1. Ore Reserves are reported inclusive of associated Stockpiles except for Tropicana.

2. Cutoff grades vary according to oxidation and lithology domains. Listed cut-offs are the weighted average of these various cut-offs grades for that project classification.

3. Refer to Group Competent Person Notes.

4. Regis owns 70% of the King John project - part of the DSO operations. This project has a total Ore Reserve of 20 koz at 100%. Only the 70% Regis share has been included in the above table.

5. Regis 30% holding in Tropicana. Tropicana previously reported in ASX release "Mineral Resource and Ore Reserve Update at Tropicana" dated 23 February 2023.

Resource Table

MINERAL RESOURCES as at 31 December 2022 (Regis Attributable)																
Gold				Measured			Indicated			Inferred			Total Resource			Competent Person ²
Project ¹	Equity	Type	Cut-Off (g/t)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	Tonnes (Mt)	Gold Grade (g/t)	Gold Metal (koz)	
Duketon North Open Pit ³		Open-Pit	0.4	4	0.5	60	15	1.0	480	4	0.9	120	23	0.9	660	A/B
Duketon North Underground ⁴		Underground	1.5	-	-	-	-	-	-	1	2.0	60	1	2.0	60	A
Duketon North Deposits		Sub Total		4	0.5	60	15	1.0	480	5	1.1	180	24	0.9	720	
Duketon South Open Pit ^{5,6}		Open-Pit	0.4	15	0.6	280	15	1.2	580	3	1.3	120	33	0.9	970	A
Duketon South Underground ⁷		Underground	1.5/1.7/1.8	2	3.4	240	2	2.6	210	4	2.4	320	9	2.7	770	A
Duketon South Deposits		Sub Total		17	0.9	520	17	1.4	790	7	1.9	440	41	1.3	1,740	
Duketon Total	100%	Total		21	0.8	580	32	1.2	1,260	12	1.6	610	65	1.2	2,460	
Tropicana Open Pit ⁸		Open-Pit	0.3/0.4	1	1.5	50	9	1.7	460	0.0	0.7	0	10	1.6	510	E
Tropicana Underground ⁸		Underground	1.6	4	2.7	340	2	2.8	130	10	2.4	760	15	2.5	1,230	E
Tropicana Stockpiles ⁸		Stockpiles		7	0.6	140	-	-	-	-	-	-	7	0.6	140	E
Tropicana	30%	Sub Total		12	1.3	530	10	1.8	590	10	2.4	760	32	1.8	1,880	
McPhillamys		Open-Pit	0.4	-	-	-	69	1.0	2280	1	0.6	10	70	1.0	2290	A
Discovery Ridge		Open-Pit	0.4	-	-	-	8	1.3	330	2	0.8	60	10	1.2	390	A
NSW Deposits	100%	Sub Total		-	-	-	77	1.1	2,610	3	0.8	70	80	1.0	2,680	
REGIS TOTAL		GRAND TOTAL		34	1.0	1,110	119	1.2	4,470	25	1.8	1,440	178	1.2	7,020	

Notes

The above data has been rounded to the nearest 1,000,000 tonnes, 0.1 g/t gold grade and 10,000 ounces. Errors of summation may occur due to rounding.

All Mineral Resources are reported inclusive of Ore Reserves to JORC Code 2012 unless otherwise noted.

1. Mineral Resources and Ore Reserves are reported inclusive of Ore Stockpiles.

2. Refer to Group Competent Person Notes.

3. Open Pit Mineral Resources for Duketon North are Moolart Well, Gloster, Dogbolter-Coopers, Petra, Commonwealth, Ventnor and Terminator.

4. Underground Duketon North Mineral Resource is at Gloster. Resource reported within MSO shells at an economic cutoff of 1.5g/t.

5. Open Pit Mineral Resources for Duketon South are Garden Well, Rosmont Open Pit, Toohey's Well, Baneygo, Erlistoun, Beamish, Reichelt's Find, Russell's Find, King John, King of Creation and Lancefield North.

6. King John reported at 70% ownership.

7. Underground Duketon South Mineral Resources are Rosemont Underground, Garden Well Underground, Toohey's Well, and Ben Hur. All resources reported within MSO shells. Garden Well Underground reported at an Economic cutoff of 1.8g/t, Rosemont Underground reported at an economic cutoff of 1.7g/t, Ben Hur, and Toohey's Well reported at an economic cutoff of 1.5g/t.

8. Regis 30% holding in Tropicana. Tropicana previously reported in ASX release "Mineral Resource and Ore Reserve Update at Tropicana" dated 23 February 2023.