

A PREMIER MINERAL
EXPLORATION AND
DEVELOPMENT COMPANY
LARGE-SCALE, WORLD-CLASS
GOLD AND COPPER ASSETS IN
WESTERN AUSTRALIA

**Annual General Meeting** 

ASX: AZY | November 2023



## **DISCLAIMER**

Refer to Antipa Minerals ASX release 31 August 2022, for full Minyari Dome Project Scoping Study details. Antipa Minerals confirms that it is not aware of any new information or data that materially affects the information included in that release. All material assumptions and technical parameters underpinning that release continue to apply and have not materially changed.

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Competent Persons Statement - Exploration Results: Please refer to the detailed statement at the end of this document.

Competent Persons Statement - Mineral Resource Estimations: for the Minyari Dome Project Deposits, Calibre Deposit, Magnum Deposit, Chicken Ranch Deposit and Tim's Dome deposit: Please refer to detailed statement at end of this document.

Australian Dollars: All figures in Australian Dollars unless stated otherwise.

**Release Authorised by:** Roger Mason - Managing Director.



## **ACKNOWLEDGEMENT OF COUNTRY**

Antipa Minerals acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present, extending that respect to all Aboriginal and Torres Strait Islander peoples today.



## THE ANTIPA MINERALS PORTFOLIO

High impact exploration and advancement of our flagship Minyari Dome Project



ATTRIBUTABLE GOLD MINERAL RESOURCE<sup>1</sup>



5,100 km<sup>2</sup>

OF HIGHLY PROSPECTIVE **GOLD AND COPPER GROUND** 

### **OUTSTANDING LOCATION**

PROXIMAL TO THE GOLD-COPPER-SILVER TELFER MINE AND HAVIERON AND WINU **DEVELOPMENT PROJECTS** 

### **SCOPING STUDY CONFIRMS STAND-ALONE** PROJECT POTENTIAL



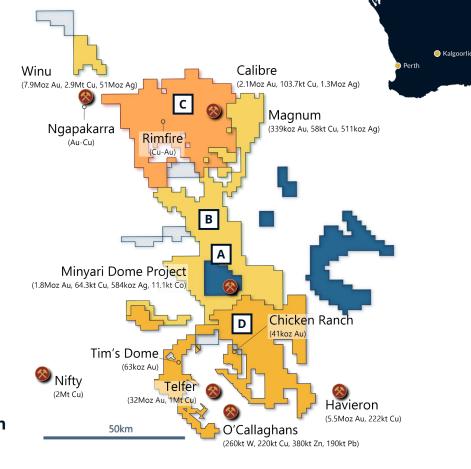
**Minyari Dome** 100% Antipa

### **COMPLEMENTARY MAJOR GROWTH PROJECTS**

Paterson (100%): IGO Farm-in

Citadel (33%): Rio Tinto JV<sup>2</sup>

Wilki (100%): Newmont Farm-in



<sup>1.</sup> Refer to Antipa Minerals ASX releases dated 23 February 2015, "Calibre and Magnum Mineral Resources", 13 May 2019, "Chicken Ranch and Tims Dome Maiden Mineral Resources", 17 May 2021, "Calibre Gold resource Increase 62% to 2.1 Million Ounces", and 2 May 2022, "Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz". Antipa Minerals confirms that it is not aware of any new information included in those releases. All material assumptions and technical parameters underpinning those releases continues to

**ANTIPA PROJECTS** 

## **ANTIPA PORTFOLIO EXPLORATION OPTIONALITY**

Investor leverage to future exploration success



## SUBSTANTIAL EXPLORATION **UPSIDE POTENTIAL**

Shareholders access leverage to significant discovery opportunities in the highly prospective Paterson Province with minimised dilution



MAJOR CY2023 **EXPLORATION SPEND ACROSS HUGE** 5,100km<sup>2</sup> PORTFOLIO



ANTIPAMINERALS ()



# MINYARI DOME **PROJECT**

# **100% ANTIPA**

Existing sizeable stand-alone project potential with clear and substantial exploration upside



**Moz 2022 RESOURCE** AT 1.6 g/t PLUS



**64** kt at 0.19%



**11** kt at 0.03%



**584** koz at 0.54 g/t

INDICATED 1.0 Moz AT 1.4 g/t GOLD





Technically and commercially robust

Initial Scoping Study indicates stand-alone gold mining and processing operation potential



Strategically significant location

35km from the Telfer mine and processing facility providing access to existing infrastructure



**Substantial potential upside drivers** 

Growth in potential gold output, operating life, scheduling optimisation and byproduct credits



Aggressive growth drilling programme

Significantly expanded exploration programme targeting resource growth and discovery opportunities



## **EXISTING STAND-ALONE PROJECT POTENTIAL**

Attractive foundation with sizable project upside



# 2022 SCOPING STUDY OUTCOMES

Initial potential project economics offer huge upside opportunity with the addition of further resource growth

### MINE SCHEDULE

21.4 Mt at 1.6 g/t gold Initial open pit and underground mine

### **INITIAL GOLD OUTPUT**

975 koz Average of 168 koz pa for the first 5 yrs

### MITIAL GOLD GOTPOT

5yrs

### NPV<sub>7%</sub>

A\$392M Pre-taxatA\$2,430/ozgold

## MINING PHYSICALS

3 Mtpa throughput For 7+years initial processing life

## STANDARD CIL PLANT

90% gold recovery Simple non-refractory metallurgy

### **FORECAST AISC**

A\$1,475/oz gold For US\$1,062/ozgold

### **CAPITAL COST**

A\$275M Induding A\$68M pre-production

### **IRR**

34% Pre-taxat A\$2,430/ozgold

### **PAYBACK**

2.5 years
Pre-taxfrom first production

Minyari Dome Scoping Study (August 2022) completed to ±35% level of accuracy.



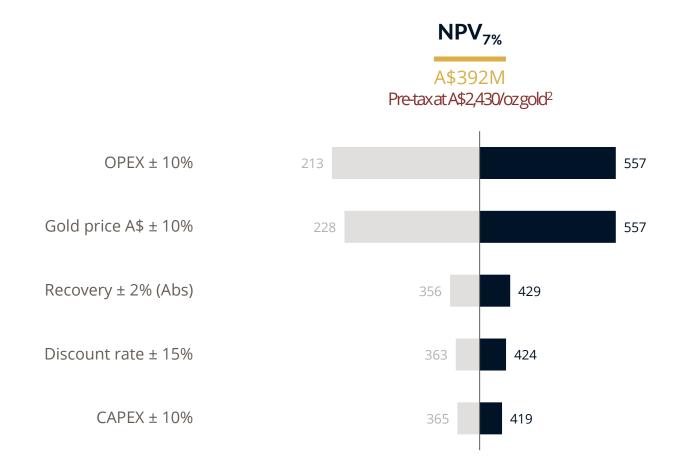
## **EXISTING STAND-ALONE PROJECT POTENTIAL**

Tremendous leverage to rising gold price



# SPOT GOLD TRADING AT A\$3,017/oz<sup>1</sup>

Australian dollar equivalent gold price now approximately 24% higher than August 2022 Scoping Study assumption of A\$2,430/oz



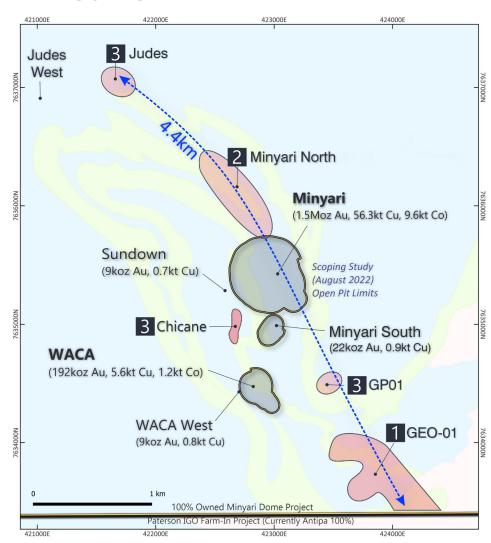
<sup>1.</sup> At 16 November 2023, spot gold US\$1,963 and AUD/USD: 0.65

<sup>2.</sup> Minyari Dome Scoping Study (August 2022) completed to ±35% level of accuracy.



Significantly expanded mineral resource and greenfield drilling programmes

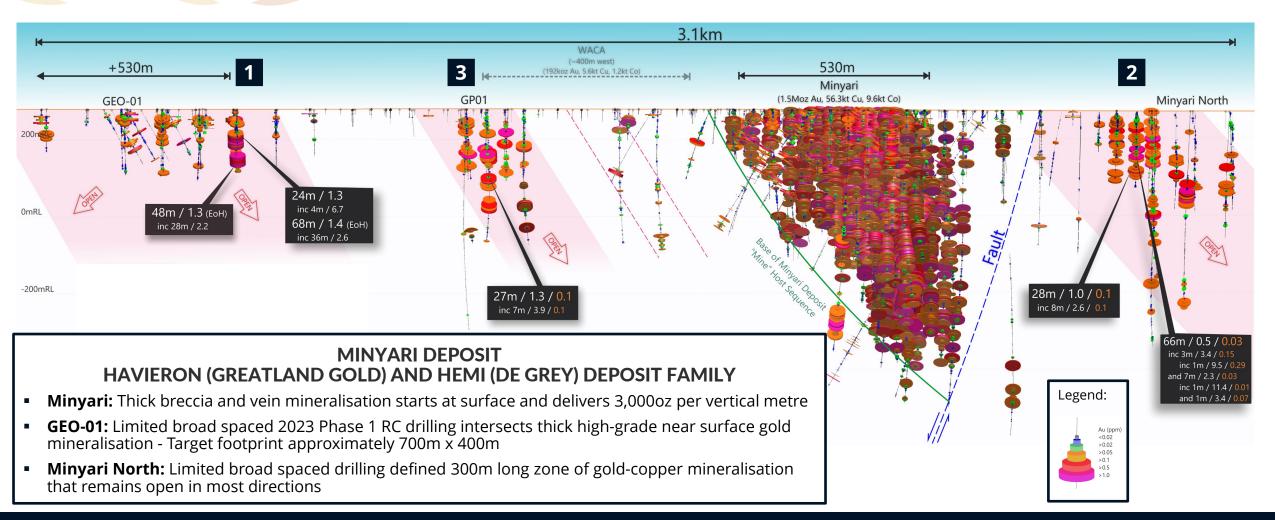
- Expanded Phase 2 drilling programme targeting substantial and rapid growth to the gold-copper resource base and major greenfield discoveries:
  - Plan up to 19,000m Current forecast up to 11,000m by year's end
  - Remainder to form part of CY2024 drilling programme planned to commence March
- Key maiden gold-copper resource and discovery opportunities:
  - 1 Large-scale **GEO-01** prospect defined by 2022 AC drilling with significant mineralisation intersected by 2023 RC drilling
  - 2 Minyari North prospect
  - Additional prospects including **GP01**, **Judes and Chicane** plus high-priority **Tetris and Pacman greenfield targets**
- Phase 1 drill assay results delivered significant additional value enhancement to existing Minyari Dome potential development opportunity
- Potential to materially change scope of the Minyari Dome potential development opportunity and Pre-feasibility Study



Exploration programmes and development studies are subject to changes which may be made consequent upon results, field conditions and ongoing review.



Significantly expanded mineral resource and greenfield drilling programmes





1 GEO-01 delivers potential open pit amenable maiden resource opportunity

### **GEO-01 PROSPECT**

- Significant near-surface high-grade gold mineralisation intersected:
  - 24m at 1.3 g/t gold from 16m down hole in 23MYC0383, including:
    - 4m at 6.7 g/t gold from 28m
  - **68m at 1.4 g/t gold** from 68m down hole to within 2m of end-of-hole (EoH) in 23MYC0383, including:
    - 36m at 2.6 g/t gold from 72m
  - **48m at 1.3 g/t gold** and 0.05% copper from 132m down hole to EoH in 23MYC0384, including:
    - **28m at 2.2 g/t gold** and 0.05% copper from 132m
- Mineralisation remains open in most directions
- Only 3 to 16 metres of cover
- Just 1.3km from 1.5Moz Minyari resource
- Substantial follow-up RC and diamond core drilling to test potential maiden resource opportunity
- A\$220,000 WA Government co-funding drilling grant



SIGNIFICANT POTENTIAL OPEN PIT AMENABLE MAIDEN RESOURCE OPPORTUNITY

ANTIPAMINERALS () INVESTOR PRESENTATION | 11



3 Tetris and Pacman greenfield targets

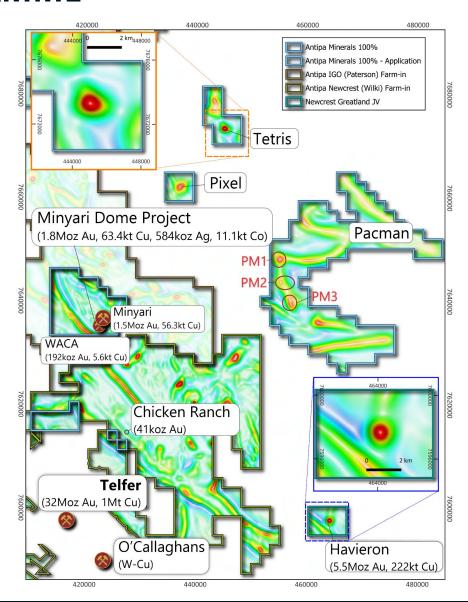
- Diamond drill testing at high-potential Tetris target commenced November
- A\$660,000 WA Government co-funding drilling grants for Tetris and Pacman

### **TETRIS TARGET**

- Havieron doppelgänger 35km northeast of Minyari
- Similar bulls-eye shaped, sized and amplitude coincident magnetic-gravity high target as Havieron
- Hosted by interpreted Havieron equivalent stratigraphy under approximately 450m of cover
- Closest drill hole 15km away

### **PACMAN TARGETS**

- Nifty copper deposit and Havieron analogue targets 30km east of Minyari:
  - PM2 is a gravity high ± partially co-incident magnetic high Nifty lookalike
  - PM1 and PM3 are both magnetic high ± partially co-incident gravity high Havieron lookalikes
- Hosted by interpreted Havieron equivalent stratigraphy under approximately 350m of cover
- Closest effective drill hole 10km away





Phase 2 CY2023 Minyari Dome Project Exploration Programme underway

### **GEO-01 PROSPECT**

### POTENTIAL OPEN PIT AMENDABLE MAIDEN RESOURCE OPPORTUNITY

- Two EIS co-funded diamond drill holes completed for total 762m
- Twenty-five RC drill holes completed for total 4,024m
- Diamond core and RC assay results expected from mid-December 2023 through January 2024
- 6,000m of RC to be deployed post receipt of Phase 2 assays

### TETRIS GREENFIELD TARGET

### HAVIERON DOPPELGANGER 35KM NORTHEAST OF THE MINYARI DEPOSIT

- First EIS co-funded diamond drill hole underway, planned for total depth of 800m
- Potential for extension of initial hole, or drilling of second hole prior to season end
- Assay results expected February 2024

### PACMAN GREENFIELD TARGETS

### NIFTY COPPER DEPOSIT and HAVIERON GOLD DEPOSIT ANALOGUE TARGETS 30KM EAST OF THE MINYARI DEPOSIT

- Aeromagnetic survey completed, with outcomes used to refine Pacman targets
- Targeting mobilisation of diamond rig from Tetris to PM2 target prior to year end, conditions and rig availability permitting
- Phase 3 drilling, rounding out testing of PM1, PM2 and PM3 targets to commence March 2024

### MINYARI DOME DISTRICT GREENFIELD TARGETS

### FOUR HIGHLY-PROSPECTIVE GREENFIELD TARGETS WITHIN THE MINYARI DOME AREA

- Four soil and/or geophysical anomalies to be tested within 1.3 to 12 km of the Minyari deposit
- Air core drill programme commenced and scheduled for 105 holes and 5,000m
- Assay results expected February 2024

## MINYARI DOME PROJECT MILESTONES

Continued aggressive exploration activity

	CY2	022		CY2024			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1
SCOPING STUDY	<b>~</b>						
2022 EXPLORATION PROGRAMME	+						
NEW TARGET FINALISATION				<b>*</b>			
EXPLORATION DRILL PROGRAMMES				<b>+</b>			<b>+</b>
MINERAL RESOURCE UPDATE: Contingent on receipt of assays							•
PRE-FEASIBILITY STUDY: Scheduled to restart H1 CY2024		<b>+</b>					•

Exploration programmes and development studies are subject to changes which may be made consequent upon results, field conditions and ongoing review.



## PATERSON FARM-IN PROJECT (100% ANTIPA)

# LARGE-SCALE 1,550km<sup>2</sup> LAND HOLDING

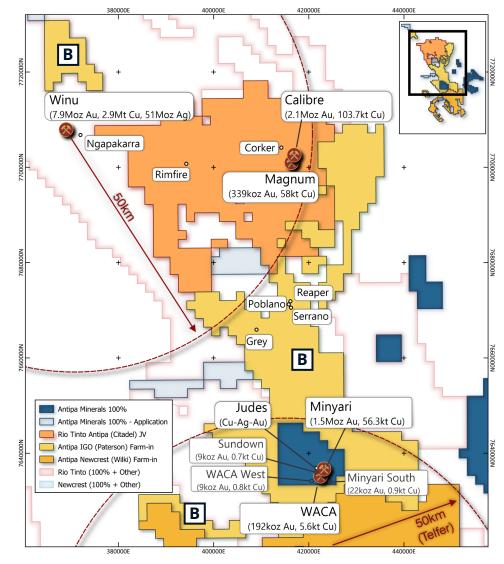
ATTRACTIVE FARM-IN WITH IGO1

LOCATED WITHIN 22km OF THE TELFER GOLD-COPPER-SILVER MINE AND 22Mtpa PROCESSING FACILITY

AGREEMENT TO SPEND A\$30M FOR 70% JV INTEREST WITH A\$6M SPENT BY IGO TO DATE. ANTIPA IS FREE CARRIED TO COMPLETION OF A FEASIBILITY STUDY ON ANY PROPOSED MINING OPERATION WITHIN THE PROJECT AREA

### **GOLD-COPPER-SILVER MINERALISATION INTERSECTED**

NIFTY, WINU, TELFER AND HAVIERON ANALOGUE TARGETS
MULTIPLE EXCITING CO-INCIDENT GRAVITY-MAGNETIC PLUS SOIL TARGETS



<sup>1.</sup> IGO may earn a 70% interest in the Paterson Project by funding a total of \$30M consisting of A\$4M of exploration by January 2023 (Stage 1 condition satisfied December 2021) and a further A\$26M by January 2027 (Stage 2). Upon joint venture formation, IGO shall free-carry Antipa to completion of a Feasibility Study.

ANTIPAMINERALS () INVESTOR PRESENTATION | 15



## PATERSON FARM-IN PROJECT (100% ANTIPA)

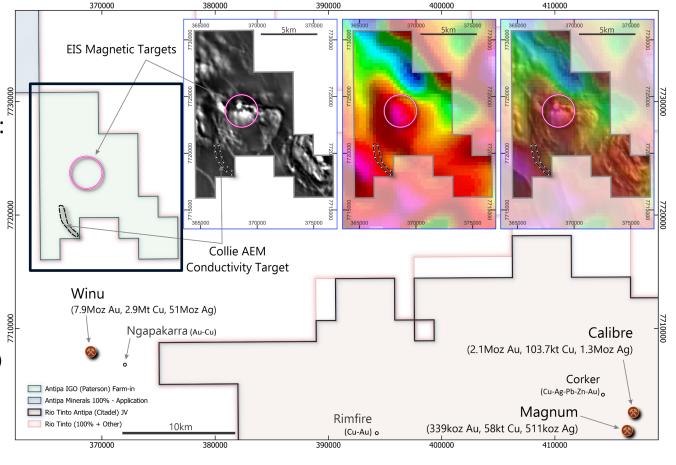
FY2024 high-priority greenfield exploration programme

### PROGRAMME DETAIL

- FY2024 programme approximately 7,000m complete
- Fully funded and operated by IGO
- A\$210,000 WA Government co-funding drilling grant
- Completed drilling activities H1 FY2024 (assays pending):
  - 1,500m diamond core drilling (2 holes);
  - 1,430m RC drilling (10 holes); and
  - 3,700m air core drilling (60 holes).

### **KEY TARGETS**

- Two co-incident magnetic-gravity high Havieron analogue targets 11 to 25km from Minyari
- Two co-incident magnetic-gravity high Havieron analogue targets 15km along strike from Winu (image right)
- Airborne electromagnetic conductivity target "Collie"
   10km along strike from Winu (image right)
- Includes additional, numerous geophysical and geochemical targets



Exploration programmes and development studies are subject to changes which may be made consequent upon results, field conditions and ongoing review.

ANTIPAMINERALS () INVESTOR PRESENTATION | 16



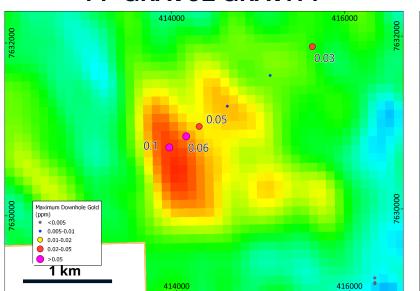
## PATERSON FARM-IN PROJECT (100% ANTIPA)

Multiple exciting Havieron analogue targets

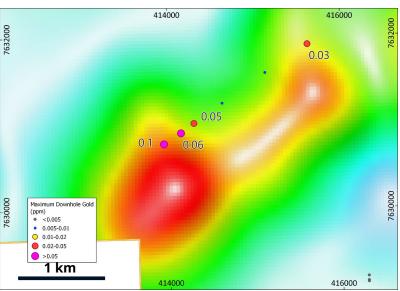
### CO-INCIDENT GRAVITY MAGNETICS IDENTIFY HIGH PRIORITY TARGET

- The Havieron 5.5Moz gold and 222kt copper<sup>1</sup> and Minyari 1.8Moz gold 64kt copper deposits are co-incident magnetic and gravity highs
- **Priority target PP-GRAV02** is just 10km southwest of Minyari and is concealed under less than 25m of cover
- Shallow, broad 200m spaced 1991 Newcrest RAB holes intersected up to 0.1 g/t gold along edge of target

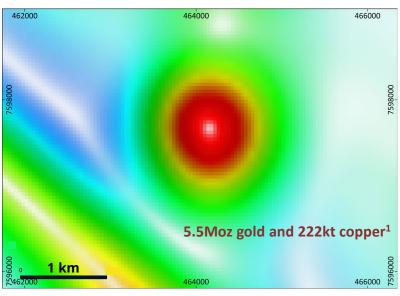
### PP-GRAV02 GRAVITY



### **PP-GRAV02 MAGNETICS**



### HAVIERON MAGNETICS (SAME SCALE)



Refer to slide 29 for Havieron Mineral Resource information

# C | CITADEL JV PROJECT (33% ANTIPA)

**GOLD EQUIVALENT** Moz ATTRIBUTABLE RESOURCE<sup>1</sup>

STRATEGIC JOINT VENTURE WITH RIO TINTO<sup>2</sup> 1,200km<sup>2</sup> LAND HOLDING ALL LOCATED WITHIN 50km OF THE WINU COPPER-GOLD-SILVER **DEVELOPMENT PROJECT** 

### **108 MT MINERAL RESOURCE**

2.4 Moz (0.8 Moz attributable) at 0.72 g/t

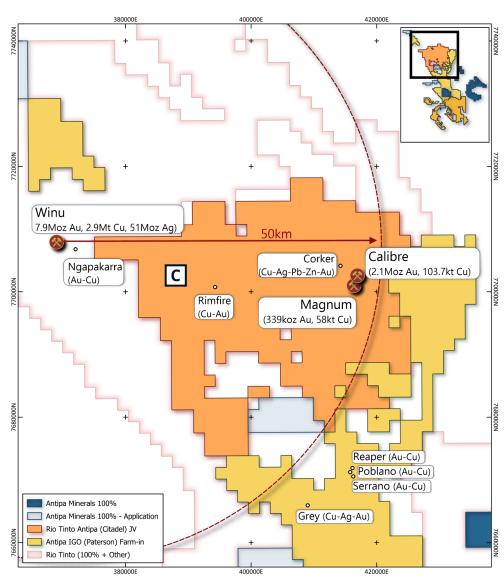


162 kt (52 kt attributable) at 0.15%



Ag 1.8 Moz (0.6 Moz attributable) at 0.54 g/t

<sup>2.</sup> Rio Tinto earned a 65% interest in the Joint Venture by sole funding A\$25M in exploration on the Citadel Project tenements. Antipa elected to utilise the dilute-down provisions in



<sup>1.</sup> The gold equivalence calculation on this slide provides Antipa's Citadel Project attributable metal value for each metal summed and expressed in equivalent gold grade and ounces using metallurgical recoveries of 100% for all metals. The prices used in this calculation being LME close prices on 3 May 2022, Au US\$1,870/oz, Cu US\$9,510/t, Ag US\$ 23/oz and Co US\$81,220/t. Gold equivalent Moz = (((price Au per ounce x attributable ounces of Au) + (price Cu per tonne x attributable tonnes of Cu) + (price Ag per ounce x attributable ounces of Ag) + (price Co per tonne x attributable tonnes of Co))/ price Au per ounce)/1,000,000. Antipa confirms that it is not aware of any new information or data that materially affects the information included in relevant ASX releases, and that all material assumptions and technical parameters underpinning the Mineral Resource estimates



## **CITADEL JV PROJECT (33% ANTIPA)**

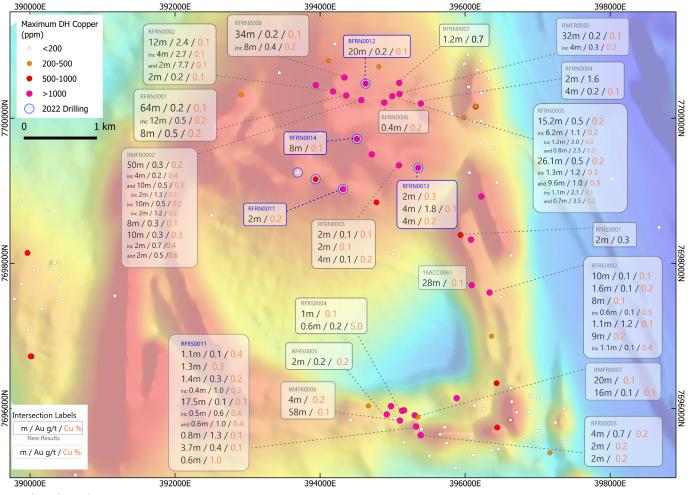
## Antipa to operate exciting H2 CY2023 exploration programme

### PROGRAMME DETAIL

- CY2023 programme approximately 2,000m complete
- Fully funded by Rio Tinto<sup>1</sup>
- Antipa operators

### **KEY TARGETS**

- Rimfire Southwest:
  - Interpreted fold hinge
  - SW sector of highly fertile gold-copper bearing Rimfire intrusion
  - No previous drilling
- Junction:
  - Two discrete magnetic high anomalies
  - Hosted along a major NNW-trending structure
  - Along strike from a known gold-copper prospects with co-incident magnetic highs



Exploration programmes and development studies are subject to changes which may be made consequent upon results, field conditions and ongoing review

1. Antipa elected to utilise the dilute-down provisions in the Citadel JV agreement to fund its share of the CY2023 exploration programme, which will result in its JV interest being reduced from 33% to approximately 31%



## **CITADEL JV PROJECT (33% ANTIPA)**

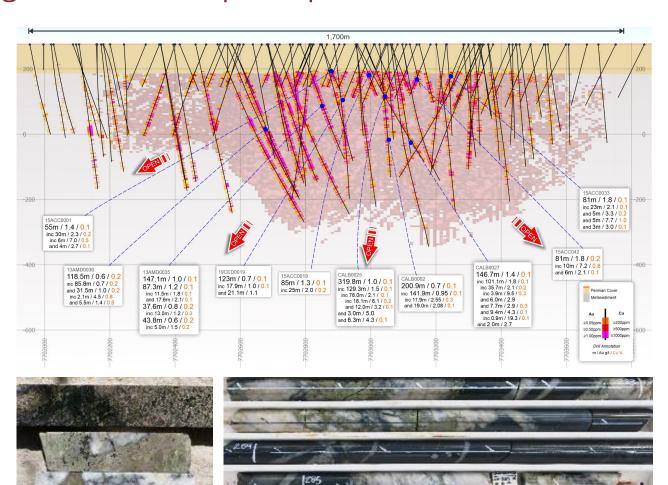
Geology and scale suggests substantial growth and development potential

### **CALIBRE DEPOSIT (SHOWN RIGHT)**

- Inferred Mineral Resource 92Mt at 0.72 g/t gold, 0.11% copper and 0.46 g/t silver for 2.1Moz gold, 104kt copper and 1.3Moz silver
- 1.7km long, up to 480m thick and extends 500m down dip - open in most directions
- Only 80 metres of cover
- Just 45km from Winu

### MAGNUM DEPOSIT

- Just 1km from Calibre
- Inferred Mineral Resource 16.1Mt at 0.66 g/t gold, 0.36% copper and 0.99 g/t silver for 339koz gold, 58kt copper and 511koz silver
- 2km long, up to 600m thick and extends 600m down dip - open in most directions
- Only 80 metres of cover





## **WILKI FARM-IN PROJECT (100% ANTIPA)**

# SUBSTANTIAL 1,470km<sup>2</sup> LAND HOLDING

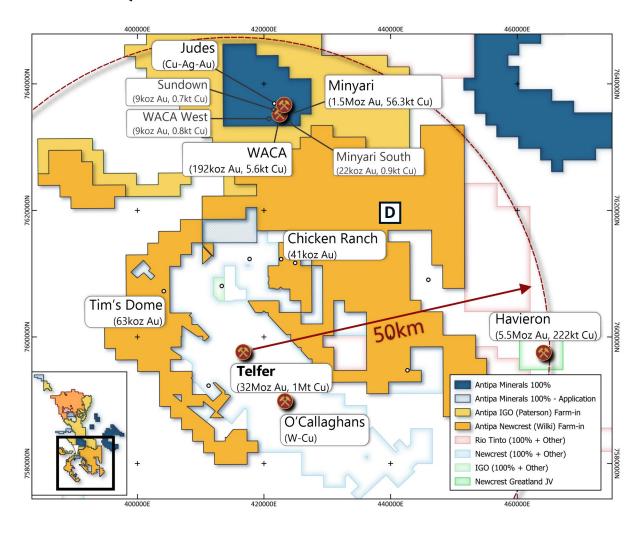
ATTRACTIVE FARM-IN WITH NEWMONT<sup>1</sup>

LOCATED WITHIN 3km OF THE TELFER GOLD-COPPER-SILVER MINE AND 22Mtpa PROCESSING FACILITY

AGREEMENT TO SPEND A\$60M FOR 75% JV INTEREST WITH A\$9M SPENT BY NEWCREST/NEWMONT TO DATE

### 2.4 MT MINERAL RESOURCE





1. Newmont may earn a 51% interest in the Wilki Project tenements by funding A\$16M of exploration by March 2025 (Stage 1, which it has done) and a further A\$10M of exploration before March 2025 (Stage 2).



## **WILKI FARM-IN PROJECT (100% ANTIPA)**

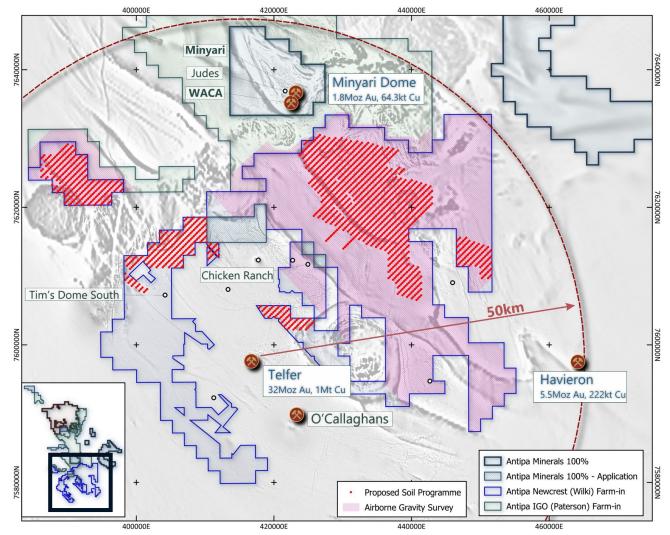
FY2024 exploration programme to regenerate greenfield target pipeline

### PROGRAMME DETAIL

- Planned for up to 2,300m RC drilling (H2 FY2024)
- Large-scale airborne gravity gradiometer (AGG) geophysical survey complete
- Large-scale soil geochemical sampling programme commenced
- To be fully funded and operated by Newmont
- Full programme scheduled for completion FY2024

### **KEY TARGETS**

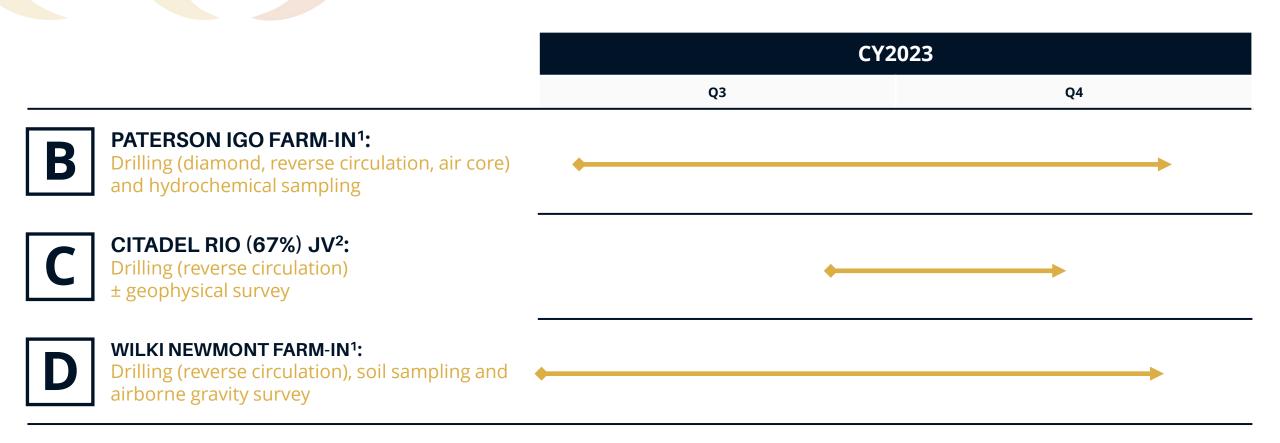
- Contingent on results of geophysical and geochemical programmes
- Emphasis greenfield discovery at Havieron, Winu and Telfer analogue targets within 10 to 50km of Newmont's Telfer gold-copper-silver mine and 22Mtpa processing facility



Exploration programmes and development studies are subject to changes which may be made consequent upon results, field conditions and ongoing review

## **COMPLEMENTARY MAJOR GROWTH PROJECTS**

Multiple exploration activities across the Paterson Province



Exploration programmes are subject to any changes which may be made consequent upon results, field conditions and ongoing review.

<sup>1.</sup> Fully funded by respective farm-in partners, IGO and Newmont.

<sup>2.</sup> Fully funded by JV partner, Rio Tinto. as Antipa has elected to utilise the the Ctadel JV agreement dilute-down provisions to fund its share of the CY2023 exploration programme, resulting in its JV interest being reduced from 35% to 33% and Rio's JV interest increasing from 65% to 67%.





LOCAL **COMMUNITY PARTNERSHIPS** 

Engaging local people and businesses for wide-ranging social benefit



**REGIONAL ECONOMIC DEVELOPMENT** 

**Exploration investment** for regional WA long-term economic prosperity



**CULTURAL HERITAGE PROTECTION** 

Collaborating with Traditional Owners to protect cultural landscapes and heritage



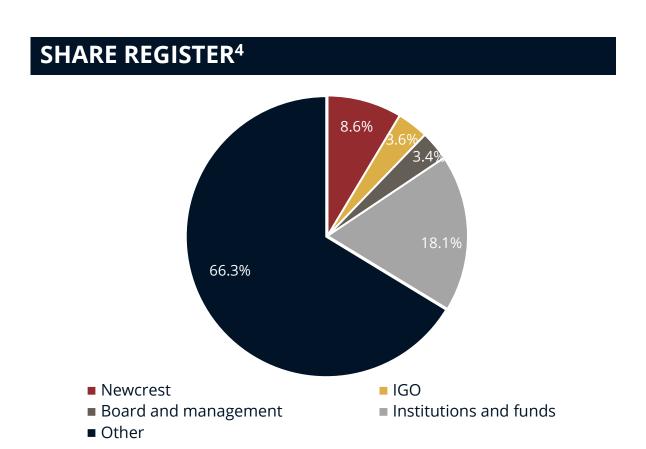
**SOCIALLY INCLUSIVE WORKPLACE** 

Committed to workplace diversity and equal opportunity employment

MEANINGFUL VALUE CREATION FOR ALL STAKEHOLDERS

## **CAPITAL STRUCTURE**

CAPITAL STRUCTURE   ASX : AZY	
Share price <sup>1</sup>	A\$ 0.015
Shares on issue <sup>1</sup>	4,134.8 M
Market capitalisation <sup>1</sup>	A\$ 62.0 M
Cash <sup>2</sup>	A\$ 7.9 M
Debt	Nil
EV	A\$ 54.1 M
Options <sup>3</sup>	571.9 M



<sup>1.</sup> At 16 November 2023 based on 4,134,807,912 ordinary fully paid shares on issue.

<sup>3.</sup> At 16 November 2023, includes 303.8 M Director and employee options, plus 268.9 M Rights Issue and Placement options. Weighted average exercise price of all options is 3.9 cents and would raise up to A\$22.6 M if exercised.

<sup>4.</sup> Shareholdings may be held directly or through nominees.

## **BOARD AND MANAGEMENT**



### **Stephen Power**

### Non-executive Chairman

- Corporate lawyer with more than 30 years of legal, commercial and corporate management experience
- Former advisor to LionOre Mining International



**Roger Mason** 

### Managing Director

- Geologist with 35 years experience spanning exploration, project development, production and project acquisition
- Former General Manager Geology for LionOre Australia and Norilsk Nickel Australia
- Former consultant to Integra Mining Ltd



**Mark Rodda** 

### Executive Director -Commercial and Legal

- Lawyer and corporate consultant
- 30 years legal, commercial and corporate management experience
- Director of Lepidico
- Former Chairman of Coalspur Mines, and former General Counsel of LionOre Mining international



**Peter Buck** 

### Non-Executive Director

- Geologist
- 40 years industry experience across international exploration, acquisition and production
- Previously Director of IGO, PMI Gold, Gallery Gold, LionOre Australia and Breakaway Resources



**Gary Johnson** 

### Non-Executive Director

- Metallurgist
- 40 years of industry experience covering plant design, project development and operations
- Chairman of Lepidico, and Director of Strategic Metallurgy
- Former Director of LionOre's Tati Nickel



**Luke Watson** 

### **CFO** and Company Secretary

- Chartered Accountant with over 20 years experience
- Held senior corporate and finance positions with several listed exploration and development companies
- Former CFO and Company Secretary of Mantra Resources

## EMERGING AS A SIGNIFICANT GOLD AND COPPER BUSINESS

### **OUTSTANDING LOCATION**

PROXIMAL TO THE TELFER MINE AND HAVIERON AND WINU **DEVELOPMENT PROJECTS** 

### **RESOURCE GROWTH POTENTIAL**

ONGOING EXPLORATION WITH FUTURE EXPANSION UPSIDE

### STRATEGIC PARTNERSHIPS

HIGH OUALITY SUPPORTIVE **PARTNERS** 

- Paterson region has been historically underexplored
- Prospective frontier for the discovery of multi-cycle, tier-one gold-copper deposits
- In the last 7 years >18Moz of gold and >4Mt of copper discovered
- Western Australia is a low-risk, mining-friendly jurisdiction
- Existing 2.6 Moz attributable group gold Mineral Resource<sup>1</sup>
- Aggressively expanded CY2023 drilling programme at Minyari Dome Project (100% Antipa)
- Additional, substantial exploration leverage across the JV and Farm-in portfolio through CY2023
- Current and future value pathways for shareholders
- Strategic JV and farm-in agreements with Rio Tinto, Newmont and IGO
- Combined historical partner contribution of +A\$56M of exploration spend
- Cumulative potential free-carry exploration spend of up to A\$115M
- Strong major discovery objectives and actions

<sup>1.</sup> Refer to Antipa Minerals ASX releases dated 23 February 2015, "Calibre and Magnum Mineral Resources JORC 2012 Updates", 17 May 2021, "Calibre Gold resource Increase 62% to 2.1 Million Ounces", and 2 May 2022, "Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz". Antipa Minerals confirms that it is not aware of any new information or data that materially affects the information included in those releases. All material assumptions and technical parameters underpinning those releases continues to apply and has not materially changed

## **CONTACT DETAILS**

### MANAGING DIRECTOR

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### **EXECUTIVE DIRECTOR**

Mr Mark Rodda

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### **CORPORATE OFFICE**

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**ANTIPAMINERALS.COM.AU** 







## MINERAL RESOURCE

## Minyari Dome

Minyari Dome Project (100%) <sup>1</sup>												
Deposit	Aueq cut-off	Category	Tonnes (Mt)	Au grade (g/t)	Cu grade (%)	Ag grade (g/t)	Co (%)	Au (oz)	Cu (t)	Ag (oz)	Co (t)	
Minyari	0.5 Aueq	Indicated	15.00	1.17	0.19	0.54	0.04	567,000	27,800	259,600	5,930	
Minyari	0.5 Aueq	Inferred	2.70	1.12	0.12	0.31	0.02	96,000	3,300	26,300	640	
Minyari	1.5 Aueq	Indicated	4.40	2.30	0.26	0.83	0.03	328,000	11,400	118,400	1,450	
Minyari	1.5 Aueq	Inferred	6.20	2.61	0.22	0.66	0.03	523,000	13,800	132,700	1,590	
Total Minyari			28.30	1.66	0.20	0.59	0.03	1,514,000	56,300	537,000	9,610	
WACA	0.5 Aueq	Indicated	1.69	0.97	0.11	0.17	0.02	52,000	1,900	9,400	310	
WACA	0.5 Aueq	Inferred	1.54	1.02	0.12	0.18	0.02	51,000	1,800	9,100	300	
WACA	1.5 Aueq	Inferred	1.63	1.69	0.11	0.17	0.03	89,000	1,900	9,000	560	
Total WACA			4.86	1.23	0.11	0.18	0.02	192,000	5,600	27,500	1,170	
Minyari South	0.5 Aueq	Inferred	0.15	4.51	0.56	1.04	0.05	22,000	900	5,100	80	
Total Minyari	Total Minyari South		0.15	4.51	0.56	1.04	0.05	22,000	900	5,100	80	
Sundown	0.5 Aueq	Inferred	0.20	1.38	0.36	0.72	0.03	9,000	700	4,700	60	
Total Sundowi	n		0.20	1.38	0.36	0.72	0.03	9,000	700	4,700	60	
WACA West	0.5 Aueq	Inferred	0.39	0.73	0.17	0.81	0.03	9,000	700	10,200	120	
WACA West	1.5 Aueq	Inferred	0.01	0.86	0.50	0.05	0.01	304	55	17	1	
Total WACA W	Total WACA West		0.40	0.73	0.18	0.79	0.03	9,304	755	10,217	121	
Total Minyari [	Total Minyari Dome Project			1.60	0.19	0.54	0.03	1,746,304	64,255	584,517	11,041	

<sup>1.</sup> For full details of the 100% owned Minyari Dome Project Mineral Resources Estimate, please refer to ASX announcement dated 2 May 2022, "Minyari Dome Project Gold Resource Increases 250% to 1.8Moz".

## MINERAL RESOURCE

## Advanced exploration optionality

### Citadel Project (Antipa 33%<sup>1</sup> and Rio Tinto 67%<sup>1</sup> JV)

Deposit	Aueq cut-off	Category	Tonnes (Mt)	Au equiv. (g/t) <sup>2</sup>	Au grade (g/t)	Cu grade (%)	Ag grade (g/t)	Au equiv. (Moz)²	Au (Moz)	Cu (t)	Ag (Moz)
Calibre	0.5 Aueq	Inferred	92	0.92	0.72	0.11	0.46	2.7	2.10	104,000	1.3
Magnum	0.5 Aueq	Inferred	16	-	0.70	0.37	1.00	-	0.34	58,000	0.5
Total Citadel Project (100% basis)		108	-	0.72	0.15	0.54	2.7	2.44	162,000	1.8	

### Wilki Project (100%)

Deposit	Au cut-off	Category	Tonnes (Mt)	Au grade (g/t)	Cu grade (%)	Ag grade (g/t)	Co (ppm)	Au (oz)	Cu (t)	Ag (oz)	Co (t)
Chicken Ranch	0.5 Au	Inferred	0.8	1.6				40,300			
Tim's Dome	0.5 Au	Inferred	1.8	1.1				63,200			
Total Wilki Project			2.4	1.3				103,500			

#### **Competent Persons Statement - Exploration Results**

The information in this document that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Roger Mason, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Mason is a full-time employee of the Company. Mr Mason is the Managing Director of Antipa Minerals Limited, is a substantial shareholder of the Company and is an option holder of the Company. Mr Mason has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being 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'. 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 market announcements, all of which are available to view on www.asx.com.au. Mr Mason, whose details are set out above, was the Competent Person in respect of the Exploration Results in these original market announcements.

#### Competent Persons Statement - Mineral Resource Estimations for the Minyari Dome Project Deposits, Calibre Deposit, Magnum Deposit and Chicken Ranch Area Deposits and Tim's Dome Deposit

The information in this document that relates to relates to the estimation and reporting of the Minyari Dome Project deposits Mineral Resources is extracted from the report entitled "Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz" created on 2 May 2022 with Competent Persons Ian Glacken, Jane Levett, Susan Haylin and Victoria Lawns, the Tim's Dome and Chicken Ranch deposits Mineral Resources is extracted from the report entitled "Chicken Ranch and Tim's Dome Maiden Mineral Resources" created on 13 May 2019 with Competent Person Shaun Searle, the Calibre deposit Mineral Resource information is extracted from the report entitled "Calibre Gold Resource Increases 62% to 2.1 Million Ounces" created on 17 May 2021 with Competent Person Ian Glacken, and the Magnum deposit Mineral Resource information is extracted from the report entitled "Calibre and Magnum Deposit Mineral Resource JORC 2012 Updates" created on 23 February 2015 with Competent Person Patrick Adams, all of which are available to view on www.antipaminerals.com.au and www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant original market 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 market announcements.

#### **Scoping Study Information:**

The information in this document that relates directly to the 2022 Minyari Dome Project Scoping Study report was compiled by Mr. Roger Mason, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Mason is employed as Managing Director of Antipa Minerals and has sufficient experience in the development of gold projects from the studies phase to the operational phase and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

- 1. Antipa elected to utilise the Citadel JV agreement dilute-down provisions to fund its share of the CY2022 exploration programme, resulting in its JV interest being reduced from 35% to ≈ 33% and Rio's JV interest increasing from 65% to ≈ 67%.
- 2. Refer to gold equivalent (Aueq or Au equiv.) calculation parameters on the following slide.

## MINERAL RESOURCE ESTIMATE

## Gold Equivalent Calculations

#### Gold Metal Equivalent Information - Minyari Dome Project Mineral Resource Gold Equivalent reporting cut-off grade:

The 0.5 g/t and 1.5 g/t Aueq cut-off grades assume open pit and underground mining, respectively.

A gold equivalent grade (Aueq) has been calculated from individual gold, copper, silver and cobalt grades. This equivalent grade has been calculated and declared in accordance with Clause 50 of the JORC Code (2012), using the following parameters:

- The metal prices used for the calculation are as follows:
  - US\$ 1,944 per oz gold
  - US\$ 4.74 per lb copper
  - US\$ 25.19 per oz silver
  - US\$ 77,380 per tonne cobalt
- An exchange rate (A\$:US\$) of 0.7301 was assumed
- Metallurgical recoveries for by-product metals, based upon Antipa test-work in 2017 and 2018, are as follows:
  - Copper = 85.0%, Silver = 85%, Cobalt = 68%
- The gold equivalent formula, based upon the above commodity prices, exchange rate and recoveries, is thus:
  - Aueq = (Au g/t) + (Ag g/t \* 0.011) + (Cu % \* 1.42) + (Co % \* 8.42)

#### Gold Metal Equivalent Information - Calibre Mineral Resource Gold Equivalent reporting cut-off grade and Gold Equivalent grade:

A gold equivalent grade (Aueq) has been calculated from individual gold, copper and silver grades. This equivalent grade has been calculated and declared in accordance with Paragraph 50 of the JORC Code, using the following parameters:

- The metal prices used for the calculation are as follows:
  - US\$ 1.874 /oz gold
  - US\$ 4.50 /lb copper
  - US\$ 25.25 /oz silver
- An exchange rate (A\$:US\$) of 0.722 was assumed.
- Metallurgical recoveries, based upon Antipa test-work in 2014, are as follows:
  - Gold = 84.5%, Copper = 90.0%, Silver = 85.4%
- A factor of 105% (as with the previous estimate) has been applied to the recoveries for gold, copper and silver to accommodate further optimisation of metallurgical performance. Antipa believes that this is appropriate, given the preliminary status of the recovery test-work.
- Tungsten has not been estimated and does not contribute to the equivalent formula.
- The gold equivalent formula, based upon the above commodity prices, exchange rate, recoveries, and using individual metal grades provided by the Citadel Project Mineral Resource Estimate table. is thus:
  - Aueq = Au (g/t) + (1.75\*Cu%) + (0.014\*Ag g/t)

#### Gold Metal Equivalent Information - Magnum Mineral Resource Gold Equivalent reporting cut-off grade:

A gold equivalent grade (Aueq) has been calculated from individual gold, copper, silver and tungsten grades. This equivalent grade has been calculated and declared in accordance with Paragraph 50 of the JORC Code, using the following parameters:

- The metal prices used for the calculation are as follows:
  - US\$ 1,227 /oz gold
  - US\$ 2.62 /lb copper
  - US\$ 16.97 /oz silver
  - US\$ 28,000 /t WO3 concentrate
- An exchange rate (A\$:US\$) of 0.778 was assumed.
- Metallurgical recoveries, based upon Antipa test-work in 2014, are as follows:
  - Gold = 84.5%, Copper = 90.0%, Silver = 85.4% and W = 50.0%
- A factor of 105% (as with the previous estimate) has been applied to the recoveries for gold, copper and silver to accommodate further optimisation of metallurgical performance. Antipa believes that this is appropriate, given the preliminary status of the recovery test-work.
- Note that the tungsten recovery of 50% is considered indicative at this preliminary stage based on the initial metallurgical findings.
- Conversion of W% to WO3% grade requires division of W% by 0.804.
- The gold equivalent formula, based upon the above commodity prices, exchange rate, and recoveries, is thus:
  - $\mathbf{Aueq} = (\mathrm{Au} \ (\mathrm{g/t}) \times 0.845) + ((\% \mathrm{Cu} \times (74.32/50.69) \times 0.90)) + ((\mathrm{Ag} \ (\mathrm{g/t}) \times (0.70/50.69) \times 0.854)) + ((\% \mathrm{W}/0.804 \times (359.80/50.69) \times 0.50))$

It is the Company's opinion that all the metals included in the metal equivalents calculations above have a reasonable potential to be recovered and sold.

## JV AND FARM-IN PROJECT SUMMARY

### CITADEL JOINT VENTURE - ANTIPA 33%1: RIO TINTO 67%1 (RIO EARNT 65% BY SOLE FUNDING A\$25M)

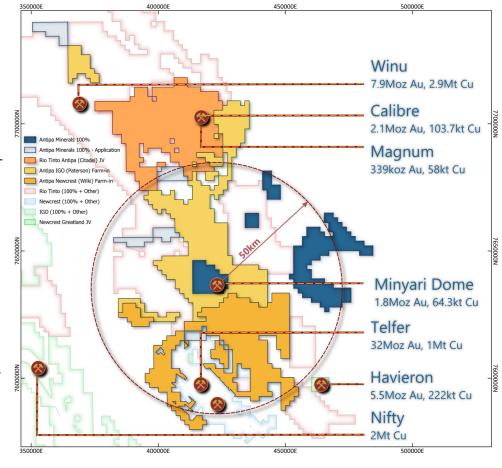
- ~1,200km² Citadel JV Project just 4km from Rio Tinto's Winu copper-gold-silver development project
- Existing Mineral Resource 2.4Moz gold at 0.72 g/t, 162kt copper at 0.15% and 1.8Moz silver at 0.54 g/t
- Currently operated by Antipa
- Antipa utilising the dilute-down provision in JV agreement Rio Tinto sole funding CY2022 and CY2023 programmes<sup>1</sup>

### WILKI PROJECT - A\$60M NEWMONT FARM-IN FOR UP TO 75% INTEREST (CURRENTLY AZY 100%: NCM 0%)

- ~1,470km² Antipa / Newmont Farm-in Project (agreed 28 February 2020) comes to within 3km of Newmont's Telfer goldcopper-silver mine and 22Mtpa plant and 9km of the Havieron gold-copper development project
- Initial A\$6M minimum exploration programme within 2 years managed by Antipa (achieved December 2021)
- Newmont may earn a 51% interest in the Wilki Project by spending a further A\$10M within 5 years of commencement (i.e. 28 February 2025)
- Newmont may earn up to 75% by sole funding a further A\$44M within 8 years of commencement (Total expenditure of A\$60M within 8 years of commencement of the Farm-in, i.e. by 28 February 2028)
- Managed and operated by Newmont from July 2022
- Newmont holds 8.6% interest in Antipa

### PATERSON PROJECT - A\$30M IGO FARM-IN FOR UP TO 70% INTEREST (CURRENTLY AZY 100%: IGO 0%)

- ~1,550km² Antipa / IGO Farm-in Project (agreed 9 July 2020) comes within 23km of Telfer and 8km of Rio's Winu coppergold-silver development project
- Initial A\$4M minimum exploration programme within 2.5 years managed by Antipa completed ahead of schedule in December 2021
- IGO may earn a 70% interest in the Paterson Project by spending a further A\$26M within 6.5 years of commencement, to be managed at IGO's option (Total expenditure of A\$30M within 6.5 years of commencement of the Farm-in, i.e. by January 2027)
- Upon joint venture formation, IGO shall free-carry Antipa to completion of a Feasibility Study
- Managed and operated by IGO from March 2022
- IGO holds 4.1% interest in Antipa

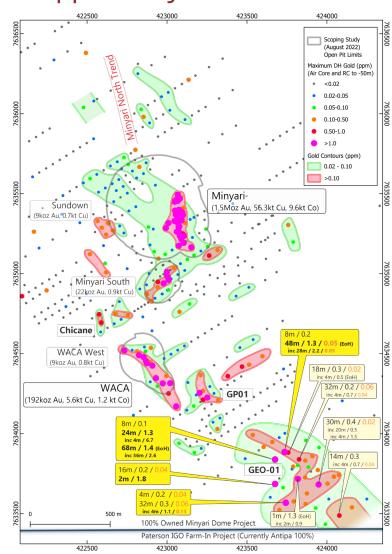




1 GEO-01 delivers potential open pit amenable maiden resource opportunity

### **GEO-01 PROSPECT**

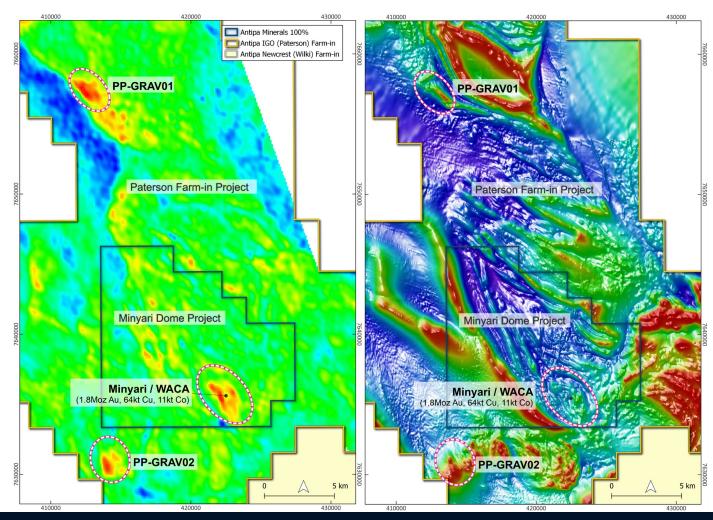
- Significant near-surface high-grade gold mineralisation intersected:
  - 24m at 1.3 g/t gold from 16m down hole in 23MYC0383, including:
    - 4m at 6.7 g/t gold from 28m
  - **68m at 1.4 g/t gold** from 68m down hole to within 2m of end-of-hole (EoH) in 23MYC0383, including:
    - 36m at 2.6 g/t gold from 72m
  - 48m at 1.3 g/t gold and 0.05% copper from 132m down hole to EoH in 23MYC0384, including:
    - **28m at 2.2 g/t gold** and 0.05% copper from 132m
- Mineralisation remains open in most directions
- Only 3 to 16 metres of cover
- Just 1.3km from 1.5Moz Minyari resource
- Substantial follow-up RC and diamond core drilling to test potential maiden resource opportunity



## PATERSON IGO FARM-IN PROJECT (100% ANTIPA)

High priority co-incident gravity and magnetic targets

- Havieron 5.5Moz gold and 222kt copper<sup>1</sup> and Minyari 1.8Moz gold 64kt copper deposits are both co-incident magnetic and gravity highs
- PP-GRAV02 located 10km southwest of Minyari - Line of shallow, broad 200m spaced 1991 Newcrest RAB holes intersected up to 0.1 g/t gold along the edge of the target
- PP-GRAV01 located 20km north of Minyari no previous drilling in the area



1.Refer to slide 29 for Havieron Mineral Resource information

## SHALLOW DEPTH OF YOUNGER COVER

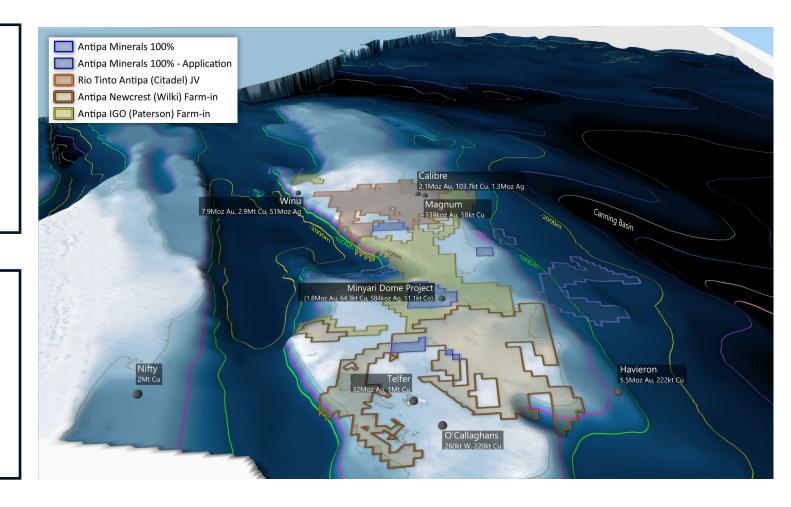
First mover exploration and development advantage

## **APPROXIMATELY 50%**

of Antipa tenements are under less than 20 metres of cover

## **APPROXIMATELY 80%**

of Antipa tenements are under less than 80 metres of cover

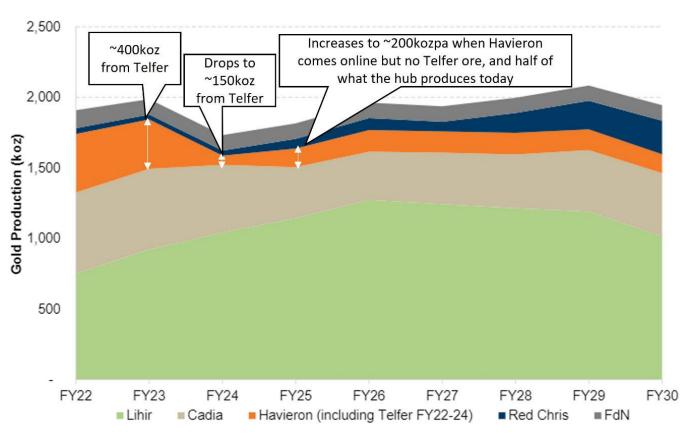


## TELFER GOLD - COPPER - SILVER OPERATION

## Gold production gap

- Newcrest Mining's (NCM) group production profile
- Focus on the orange area (i.e. Telfer+Havieron)<sup>1</sup>
- Note NCM's diminishing production from the Telfer hub (35km from Minyari) from FY24<sup>1</sup> onwards which has recently been pushed-out until early FY25<sup>2</sup>

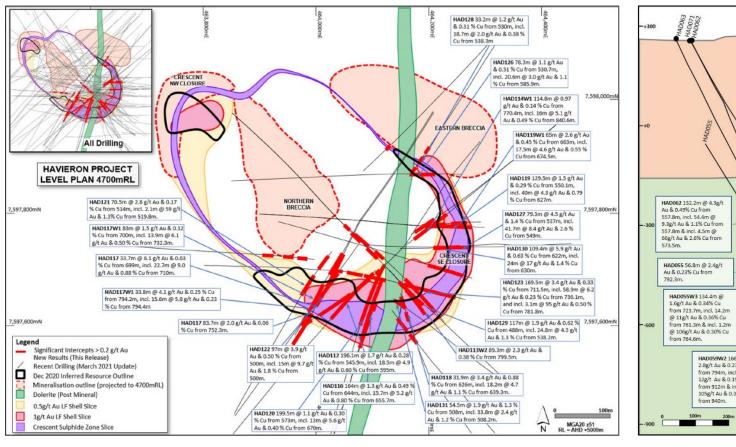
### INDICATIVE BASE CASE GOLD PRODUCTION PROFILE

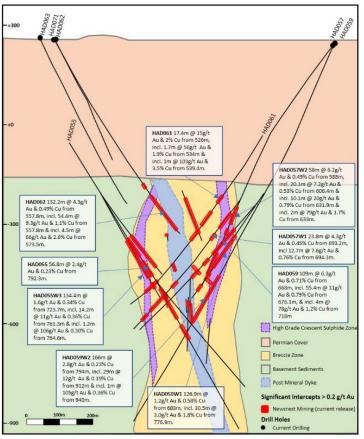


<sup>1.</sup> Graph from Newcrest public release report "Newcrest advances its global organic growth portfolio" 12 October 2021 available on Newcrest's website (www.newcrest.com) and Australian Securities Exchange (ASX:NCM) news releases (www.asx.com.au).

## **HAVIERON GOLD - COPPER DEPOSIT**

Mineral Resource 5.5 Moz of gold and 222,000 tonnes of copper<sup>1,2</sup>





- 1. The Havieron deposit is the subject of a joint venture agreement between Greatland Gold Plc and Newcrest Mining Ltd. Newcrest holds a 70% interest in Havieron earnt via total expenditure of US\$65M.
- 2. Refer Greatland Gold Plc's website (www.greatlandgold.com) and London Stock Exchange (AIM: GGP) news releases (www.londonstockexchange.com, and Australian Stock Exchange (ASX: NCM) news releases (www.asx.com.au) including the Mineral Resource statement released 19 August 2022.





THANK YOU

