



HIGH-GRADE GOLD ZONES AT GEO-01 DISCOVERY ASSAY RESULTS FROM RE-SPLIT SAMPLES REVEAL SIGNIFICANTLY HIGHER GOLD MINERALISATION – MINYARI DOME PROJECT

Antipa Minerals Ltd (ASX: **AZY**) (**Antipa** or **the Company**) is pleased to announce assay results for one metre re-splits of the original GEO-01 discovery drilling assays which were based on four metre composite samples (announced 2 August 2023) at its 100%-owned Minyari Dome Gold-Copper Project in the Paterson Province of Western Australia (Figure 3).

Highlights

- Assay results for one metre re-split samples returned significant zones of higher-grade gold mineralisation within the original GEO-01 four metre composite samples.
- Notable revised GEO-01 intersections include:
 - **11m at 1.6 g/t gold** from 24m down hole in 23MYC0383, including:
 - **2m at 5.9 g/t gold** from 25m down hole, also including:
 - 1m at 9.3 g/t gold from 26m
 - **50m at 2.3 g/t gold** from 72m down hole in 23MYC0383 (previously 68m at 1.4 g/t gold based on 4 metre composites), including:
 - **19m at 5.0 g/t gold** from 89m down hole, also including:
 - 5m at 10.5 g/t gold from 91m
 - **3m at 8.3 g/t gold** from 103m
 - **48m at 1.7 g/t gold** from 132m down hole to end-of-hole in 23MYC0384 (previously 48m at 1.3 g/t gold based on 4 metre composites), including:
 - 28m at 2.8 g/t gold from 133m down hole (previously 28m at 2.2 g/t gold based on 4 metre composites), also including:
 - **4m at 10.2 g/t gold** from 134m
 - **2m at 3.9 g/t gold** from 148m
 - Peak gold grade of 1m at 19.95 g/t gold from 137m down hole in 23MYC0384
- GEO-01 mineralisation remains open in most directions, presenting a significant potential maiden resource opportunity.
- Drilling is underway at the GEO-01 discovery as part of an expanded Phase 2 CY2023 Minyari Dome Exploration Programme.

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Antipa's Managing Director, Roger Mason commented

"We are very excited by these results which emphasise the opportunity that exists at the GEO-01 discovery. In particular, the high-grade mineralisation returned end-of-hole in 23MYC0384 highlights the latent growth potential to be unlocked with future drilling.

Drilling has now recommenced, starting at GEO-01, and we look forward to testing all our high impact targets as we work through our expanded Phase 2 CY2023 programme at Minyari Dome."

GEO-01 one metre re-split assay results

The GEO-01 discovery is located approximately 1.3km south of the Minyari deposit (Figure 1).

A total of 342 one metre re-split samples were submitted for assay to identify potential zones of highergrade gold mineralisation within the four metre composite samples from various Phase 1 CY2023 GEO-01 reverse circulation (**RC**) drill holes. Assay results received for the re-split samples highlight multiple significant zones of thick high-grade gold mineralisation including a peak gold grade of **1m at 19.95 g/t gold from 137m down hole in 23MYC0384** (Tables 1 and 2, and Figure 2).

The previous highest-grade GEO-01 four metre composite result was 4m at 6.69 g/t gold (refer ASX release dated 2 August 2023).

Drilling at GEO-01 has recommenced as part of the expanded CY2023 Phase 2 Exploration Programme where significant infill and extensional RC (10,000m) and diamond core (400m) drilling is planned (refer ASX release dated 10 October 2023).

With mineralisation open in most directions, the objective of Phase 2 drilling at the GEO-01 discovery is to extend the high-grade gold zones and deliver on the significant potential maiden resource opportunity.

Any additional resource growth has the potential to significantly enhance the Minyari Dome development opportunity outlined in last year's Scoping Study (refer ASX release dated 30 August 2022).

The CY2023 Minyari Dome Project exploration programme and budget will be subject to ongoing review based on results, field conditions, contractor availability and pricing, and other relevant matters.

Release authorised by

Roger Mason Managing Director

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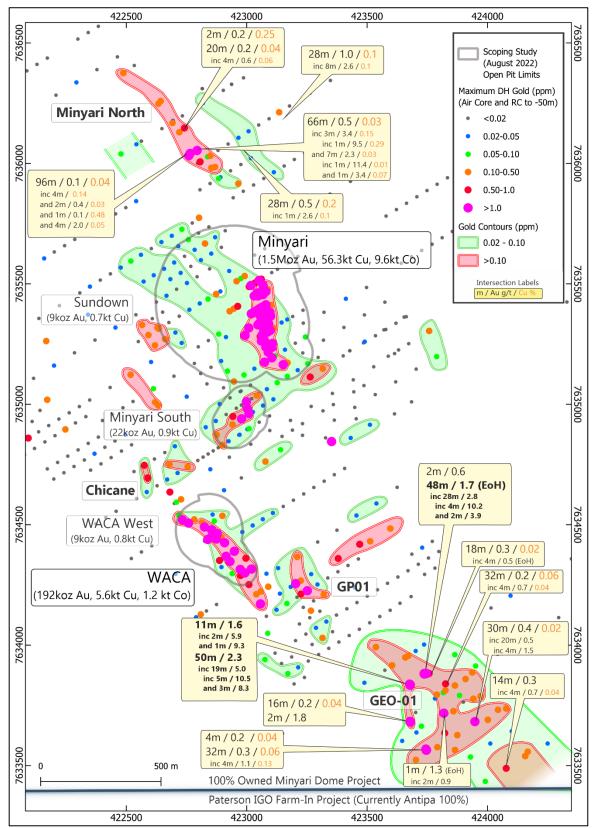


Figure 1: Map showing the Minyari Dome resource locations, Scoping Study open pit limits, prospect locations for GEO-01, Minyari North, GP01 and Chicane, and contoured (50m depth constrained) maximum down-hole gold drill results. Note the large scale of the GEO-01 gold anomaly which is the size of the flagship Minyari deposit (700m by 400m), and remains open in several directions, identifying a substantial near surface potential maiden resource opportunity. NB: Regional GDA2020 / MGA Zone 51 co-ordinates, 500m grid.

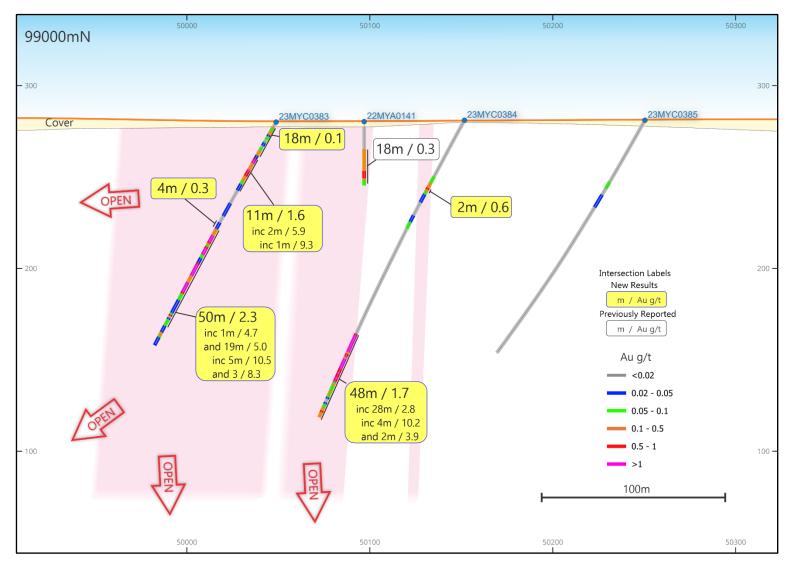


Figure 2: GEO-01 prospect stacked cross-section 99,000mN showing first-pass broad spaced RC gold-copper drill intercepts based on the one metre re-split assay results. NB: 100m elevation (RL) and 100m easting Local Grid co-ordinates, looking toward Local Grid 360° (or 328° MGA Zone 51 Grid).

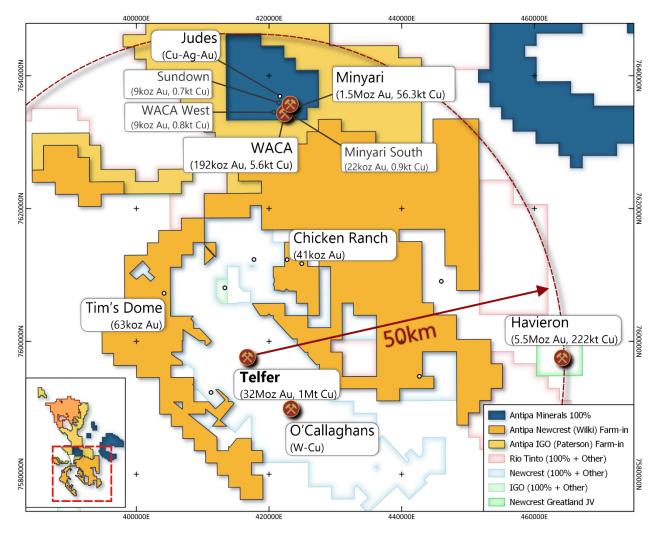


Figure 3: Plan showing location of the southern portion of Antipa's 100% owned Paterson Province tenements. Also shows the Antipa-Newcrest Wilki Farm-in, a portion of the Antipa-IGO Paterson Farm-in, Newcrest Mining Ltd's Telfer Mine and O'Callaghans deposit and Newcrest-Greatland Gold's Havieron deposit. NB: Rio and IGO tenement areas include related third-party Farm-ins/Joint Ventures. NB: Regional GDA2020 / MGA Zone 51 co-ordinates, 20km grid.

About Antipa Minerals: Antipa Minerals Ltd (ASX: **AZY**) (**Antipa** or the **Company**) is a leading mineral exploration company with a strong track record of success in discovering world-class gold-copper deposits in the highly prospective Paterson Province of Western Australia. The Company's exploration and advancement programme is focused on identifying and unlocking the full potential of the region, which offers significant opportunities for profitable mining operations.

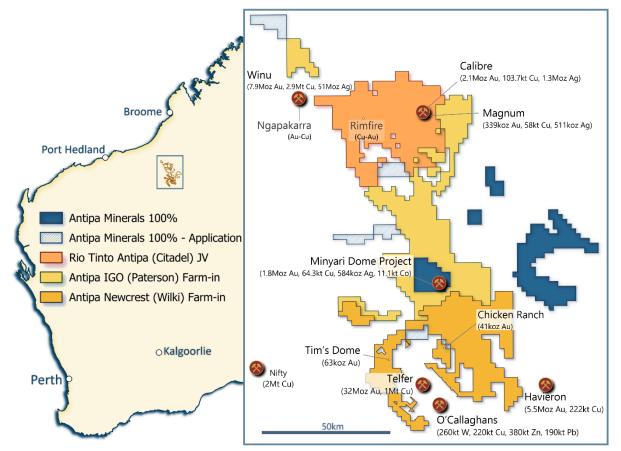
The Company's tenement holding covers over 5,100km² in a region that is home to Newcrest's world-class Telfer mine and some of the world's more recent large gold-copper discoveries including Rio Tinto's Winu and Newcrest-Greatland Gold's Havieron.

Exploration success has led to the discovery of several major mineral deposits on Antipa's ground, including the wholly owned, flagship 900km² Minyari Dome Gold-Copper Project. Minyari Dome currently hosts a 1.8 Moz gold resource (at 1.6 g/t) which was the subject of a Scoping Study (August 2022) indicating the potential for a sizeable initial development with further substantial upside.

Antipa is pursuing an aggressive drilling programme this year, targeting substantial and rapid growth to the existing goldcopper resources at Minyari Dome, delivering strong further value enhancement to the existing development opportunity, and making new significant gold-copper discoveries.

The 900km² Minyari Dome Project is complemented by three large-scale growth projects covering a total of 4,200km² which have attracted major listed miners to agree multi-million-dollar farm-in and joint venture (**JV**) arrangements:

- Citadel Project (33% Antipa): Rio Tinto JV over 1,200km²
- Wilki Project (100% Antipa): Newcrest farming-in 1,470km²
- Paterson Project (100% Antipa): IGO farming-in 1,550km²



Forward-Looking Statements: This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Antipa Mineral Ltd's planned exploration programme and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may," "potential," "should," and similar expressions are forward-looking statements. Although Antipa Minerals Ltd believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.

Hole ID	Prospect	From (m)	To (m)	Interval (m)	Gold (g/t)
23MYC0383	GEO-01	4	22	18	0.10
23MYC0383	GEO-01	24	35	11	1.56
	Including	25	27	2	5.86
	Also Incl.	26	27	1	9.29
23MYC0383	GEO-01	35	40	5	0.17
23MYC0383	GEO-01	68	72	4	0.25
23MYC0383	GEO-01	72	122	50	2.30
	Including	81	82	1	4.68
	Including	89	108	19	4.95
	Also Incl.	91	96	5	10.50
	Also Incl.	103	106	3	8.29
23MYC0383	GEO-01	124	134	10	0.12
23MYC0384	GEO-01	43	45	2	0.56
23MYC0384	GEO-01	132	180	48	1.72
	Including	133	161	28	2.82
	Also Incl.	134	138	4	10.19
	Also Incl.	148	150	2	3.88
23MYC0377	GEO-01	20	69	49	0.20
	Including	21	22	1	0.40
	Including	24	26	2	0.48
	Including	42	46	4	0.45
	Including	64	65	1	0.59
23MYC0377	GEO-01	92	101	9	0.22
	Including	99	100	1	1.02
23MYC0388	GEO-01	32	48	16	0.17
	Including	37	38	1	0.80
23MYC0391	GEO-01	64	66	2	0.94
23MYC0393	GEO-01	68	88	20	0.21
	Including	69	70	1	0.53
	Including	75	76	1	0.69
	Including	84	85	1	0.92

Table 1: Minyari Dome Project - 2023 GEO-01 RC Drill Hole One Metre Re-split Intersections

Notes: Table 2 intersections are length-weighted assay intervals reported using the following criteria:

• $\geq 0.10 \text{ ppm } (g/t) \text{ gold}$

• No top-cutting has been applied to these individual assay intervals

• Intersections are down hole lengths, true widths not known with certainty, refer to JORC Table 1 Section 2

Hole ID	Target	Hole Type	Northing (m)	Easting (m)	RL (m)	Hole Depth (m)	Azimuth (°)	Dip (°)	Assay Status
23MYC0377	GEO-01	RC	7,633,735	423,870	277	180	237	-59	Received
23MYC0378	GEO-01	RC	7,633,788	423,955	278	198	237	-60	Received
23MYC0379	GEO-01	RC	7,633,841	424,041	278	192	237	-61	Received
23MYC0380	GEO-01	RC	7,633,803	423,800	277	138	238	-61	Received
23MYC0381	GEO-01	RC	7,633,858	423,888	278	210	238	-61	Received
23MYC0382	GEO-01	RC	7,633,911	423,972	278	180	239	-61	Received
23MYC0383	GEO-01	RC	7,633,865	423,713	276	138	237	-61	Received
23MYC0384	GEO-01	RC	7,633,920	423,800	277	180	238	-61	Received
23MYC0386	GEO-01	RC	7,633,923	423,613	276	132	238	-60	Received
23MYC0387	GEO-01	RC	7,633,978	423,701	277	180	238	-61	Received
23MYC0388	GEO-01	RC	7,633,640	423,697	276	138	340	-61	Received
23MYC0390	GEO-01	RC	7,633,523	423,774	276	162	329	-61	Received
23MYC0391	GEO-01	RC	7,633,608	423,840	276	150	330	-61	Received
23MYC0392	GEO-01	RC	7,633,558	423,869	276	120	339	-60	Received
23MYC0393	GEO-01	RC	7,633,579	424,196	278	126	237	-61	Received

Table 2: Minyari Dome Project – GEO-01 RC Drill Hole Collar Locations (MGA Zone 51/GDA 20)

Notes: Drill Hole Collar Table - Refer to JORC Table 1 Section 1 for full drill hole information; including drill technique, sampling, and analytical technique/s.

Deposit	Au cut-	Category	Tonnes	Au grade	•	Ag grade	Co	Au	Cu	Ag	Co
N 4:	off	lun all name al	(Mt)	(g/t)	(%)	(g/t)	(%)	(oz)	(t)	(oz)	(t)
Minyari	0.5 Au	Indicated	15.00	1.17	0.19	0.54	0.04	567,000	27,800	259,600	5,930
Minyari	0.5 Au	Inferred	2.70	1.12	0.12	0.31	0.02	96,000	3,300	26,300	640
Minyari	1.5 Au	Indicated	4.40	2.30	0.26	0.83	0.03	328,000	11,400	118,400	1,450
Minyari	1.5 Au	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 Au	Indicated	1.69	0.97	0.11	0.17	0.02	52,000	1,900	9,400	310
WACA	0.5 Au	Inferred	1.54	1.02	0.12	0.18	0.02	51,000	1,800	9,100	300
WACA	1.5 Au	Inferred	1.63	1.69	0.11	0.17	0.03	89,000	1,900	9,000	560
Total WACA	<u> </u>		4.86	1.23	0.11	0.18	0.02	192,000	5,600	27,500	1,170
Minyari South	0.5 Au	Inferred	0.15	4.51	0.56	1.04	0.05	22,000	900	5,100	80
Total Minyari S	outh		0.15	4.51	0.56	1.04	0.05	22,000	900	5,100	80
Sundown	0.5 Au	Inferred	0.20	1.38	0.36	0.72	0.03	9,000	700	4,700	60
Total Sundown			0.20	1.38	0.36	0.72	0.03	9,000	700	4,700	60
WACA West	0.5 Au	Inferred	0.39	0.73	0.17	0.81	0.03	9,000	700	10,200	120
WACA West	1.5 Au	Inferred	0.01	0.86	0.50	0.05	0.01	304	55	17	1
Total WACA We	est		0.40	0.73	0.18	0.79	0.03	9,304	755	10,217	121
Total Minyari D	Dome Proi	ect	33.92	1.60	0.19	0.54	0.03	1,746,304	64,255	584,517	11.041

Table 3: Minyari Dome Project May 2022 Mineral Resource Estimate

Notes – Table 3:

1. Discrepancies in totals may exist due to rounding.

2. The resource has been reported at cut-off grades above 0.5 g/t and 1.5 g/t gold equivalent (Aueq); the calculation of the metal equivalent is documented below.

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

4. The resource is 100% owned by Antipa Minerals.

Table 4: Citadel Project (Antipa 33% and Rio Tinto 67% JV) May 2021 Mineral Resource Estimate

Citadel Pro	ject (Antipa 33%	6)							
Deposit	Au cut-off	Category	Tonnes (Mt)	Au grade (g/t)	Cu grade (%)	Ag grade (g/t)	Au (Moz)	Cu (t)	Ag (Moz)
Calibre	0.5 Au	Inferred	92	0.72	0.11	0.46	2.10	104,000	1.3
Magnum	0.5 Au	Inferred	16	0.70	0.37	1.00	0.34	58,000	0.5
Total Citade	el Project (100% ba	isis)	108	0.72	0.15	0.54	2.44	162,000	1.8

Notes – Table 4:

- 1. The resource has been reported at cut-off grades above 0.5 g/t and 0.8 g/t gold equivalent (Aueq); the calculation of the metal equivalent is documented below.
- 2. Both the 0.5 g/t and 0.8 g/t Aueq cut-offs assume large scale open pit mining.
- The resource tonnages tabled are on a 100% basis, with Antipa's current joint venture interest being approximately 33%.
 Small discrepancies may occur due to the effects of rounding.

Table 5: Wilki Project (Antipa 100%) May 2019 Mineral Resource Estimate

Wilki Project (100%)						
Deposit	Au cut-off	Category	Tonnes (Mt)	Au grade (g/t)	Au (oz)	
Chicken Ranch	0.5 Au	Inferred	0.8	1.6	40,300	
Tims Dome	0.5 Au	Inferred	1.8	1.1	63,200	
Total Wilki Projec	t		2.4	1.3	103,500	

Notes – Table 5:

1. Small discrepancies may occur due to the effects of rounding.

2. Wilki Project Mineral Resources are tabled on a 100% basis, with Antipa's current interest being 100%.

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 <u>www.antipaminerals.com.au</u> and <u>www.asx.com.au</u>. 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 Havlin and Victoria Lawns, the Tim's Dome and Chicken Ranch deposits Mineral Resources is extracted from the report entitled "Chicken Ranch and Tims 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.

The information in this document that relates to the **Scoping Study for the Minyari Dome Project** is extracted from the report entitled "Strong Minyari Dome Scoping Study Outcomes" reported on 31 August 2022 which was compiled by Competent Person Roger Mason, which is available to view on <u>www.antipaminerals.com.au</u> and <u>www.asx.com.au</u>. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the study in the relevant original market announcement 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 announcement.

Gold Metal 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:
 - Aueq = $(Au (g/t) \times 0.845) + ((\%Cu \times (74.32/50.69) \times 0.90)) + ((Ag (g/t) \times (0.70/50.69) \times 0.854)) + ((\%W/0.804 \times (359.80/50.69) \times 0.50))$

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.

ANTIPA MINERALS LTD - MINYARI DOME PROJECT – 2023 Phase 1 GEO-01 Reverse Circulation Drill Programme

JORC Code 2012 Edition: Table 1 - Section 1 Sampling Techniques and Data (Criteria in this section shall apply to all succeeding sections)

Criteria	JORC Code explanation	Commentary
Sampling techniques	 Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information. 	 Reverse Circulation Sampling RC Sampling was carried out under Antipa protocols and QAQC procedures as per industry best practice. All RC samples were drilled using a 140mm diameter face sampling hammer with samples taken on one metre intervals. For greenfield / general exploration drill programmes, two to four metre composite samples are taken using the "spear" sample method to generate a 3kg sample for laboratory analysis. For intervals of obvious visual mineralisation, or for Mineral Resource definition drill programmes, individual (one) metre samples are collected in the field providing a 3kg sample for laboratory analysis. If warranted on the based on anomalous laboratory assay results for (2 to 4m) composite samples, additional individual (one) metre samples may also be collected and submitted for laboratory analysis. A total of 342 individual one (1) metre re-split samples from 15 holes were submitted for analysis based off anomalous four metre composite sample assay results. All assay results have been received.
Drilling techniques	 Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). 	• All Phase 1 drill holes were completed using 140mm RC face sampling hammer drill bit from surface to total drill hole depths of between 120m to 210m.
Drill sample recovery	Method of recording and assessing core and chip sample	RC sample recovery was recorded via visual estimation of

Criteria	JORC Code explanation	Commentary
	 recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. 	 sample volume, typically ranging from 90% to 100%, with only very occasional samples with less than 70% recovery. RC sample recovery was maximized by endeavoring to maintain dry drilling conditions as much as practicable; the majority of RC samples were dry. All samples were split using a rig-mounted cone splitter. Adjustments were made to ensure representative 2 to 3 kg sample were collected. Relationships between recovery and grade are not evident and are not expected given the generally excellent and consistently high sample recovery.
Logging	 Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. 	 Geological logging of all RC sample intervals was carried out recording colour, weathering, lithology, mineralogy, alteration, veining and sulphides. Logging includes both qualitative and quantitative components. Logging was completed for 100% of all drill holes. All RC sample intervals were measured for magnetic susceptibility using a handheld Magnetic Susceptibility meter. A total of 3,102 metres of RC drill chip samples from one metre intervals were logged during the phase 1 drill programme at GEO-01.
Sub-sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the in situ material collected, including for 	 RC samples for all drill holes were drilled using a 140mm diameter face sampling hammer. Samples were collected as 1m splits from the rig mounted cone splitter. The majority of the samples were dry. Individual (one) metre (2 to 3kg) samples or two to four metre composite samples (2 to 3kg) were submitted for laboratory analysis. Each sample was pulverised at the laboratory to produce material for assay.

Criteria	JORC Code explanation	Commentary
	 instance results for field duplicate/second-half sampling. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 Sample preparation was carried out at ALS using industry standard crush and/or pulverizing techniques. Preparation includes over drying and pulverizing of the entire sample using Essa LM5 grinding mill to a grid size of 85% passing 75 μm. Field duplicate samples were collected for all RC drill holes. The sample sizes are considered appropriate for the style of mineralisation across the Minyari Dome Project.
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	 All original 4m composite and subsequent 1m re-split drill samples were submitted to ALS in Perth for laboratory preparation and analysis. All samples were dried, crushed, pulverised and split to produce a sub–sample for laboratory analysis. Each 4m composite sub-sample is digested and refluxed with hydrofluoric, nitric, hydrochloric and perchloric acids ("four acid digest"). This digest is considered to approach a total dissolution for most minerals. Analytical analysis is performed using a combination of ICP-AES and ICP-MS. (Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sn, Sr, Te, Ti, Tl, V, W and Zn). This analysis was not undertaken for the 1m re-split samples. A lead collection fire assay on a 50g sample with Atomic Absorption Spectroscopy was undertaken for all 4m composite and 1m re-split samples to determine gold content with a detection limit of 0.01ppm. Additional ore-grade analysis was performed as required for other elements reporting out of range. Field QC procedures involve the use of commercial certified reference material (CRM) for assay standards and blanks. Standards are inserted every 25 samples. The grade of the inserted standard is not revealed to the laboratory. Field duplicates/repeat QC samples was utilised during the drilling programme with nominally 1 in 30 duplicate

Criteria	JORC Code explanation	Commentary
		 samples submitted for laboratory assay for each drill hole, with additional duplicate samples submitted in mineralized zones. Inter laboratory cross-checks analysis programmes have not been conducted at this stage. In addition to Antipa supplied CRM's, ALS includes in each sample batch assayed certified reference materials, blanks and up to 10% replicates. If necessary, selected anomalous samples are re-digested and analysed to confirm results.
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	 Significant drill intersections have been visually verified by multiple members of the Antipa geology team, including the Managing Director. All logging is entered directly into a notebook computer using the Antipa Proprietary Logging System which is based on Microsoft Excel. The logging system uses standard look up tables that does not allow invalid logging codes to be entered. Further data validation is carried out during upload to Antipa's master SQL database. No adjustments or calibrations have been made to any laboratory assay data collected.
Location of data points	 Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. 	 km = kilometre; m = metre; mm = millimetre. Drill hole collar locations have been surveyed using a differential GPS with a stated accuracy of +/- 0.5m. The drilling co-ordinates are all in GDA20 MGA Zone 51 co-ordinates. The Company has adopted and referenced one specific local grid across the Minyari Dome region ("Minyari" Local Grid) which is defined below. References in the text and the Minyari deposit diagrams are all in this specific Minyari Local Grid.

Criteria	JORC Code explanation	Commentary
		 Minyari Local Grid 2-Point Transformation Data: Minyari Local Grid 47,400m east is 421,462.154m east in GDA94 / MGA Zone 51; Minyari Local Grid 99,000m north is 7,632,467.588 m north in GDA94 / MGA Zone 51; Minyari Local Grid 47,400m east is 414,078.609m east in GDA94 / MGA Zone 51; Minyari Local Grid 113,000m north is 7,644,356.108m north in GDA94 / MGA Zone 51; Minyari Local Grid 113,000m north is 7,644,356.108m north in GDA94 / MGA Zone 51; Minyari Local Grid North (360°) is equal to 328.2° in GDA94 / MGA Zone 51; Minyari Local Grid elevation is equal to GDA20 / MGA Zone 51. The topographic surface has been compiled using the drill hole collar coordinates and drone survey surface elevation values. Surveys were completed upon hole completion using a Reflex Gyro downhole survey instrument. Surveys were checked by the supervising Geologist for consistency. If required, readings were re-surveyed or smoothed in the database if unreliable azimuth readings were apparent. Survey details included drill hole dip (±0.25° accuracy) and drill hole azimuth (±0.35° accuracy), Total Magnetic field and temperature.
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	 Greenfields drill hole collar locations are generally drilled on a range of hole spacings testing geophysical (e.g. Induced Polarisation, magnetic, electromagnetic) and/or soil geochemical targets and/or air core geochemical anomalies. Greenfields targets drill hole spacing and/or number of drill holes is insufficient to be able to establish the degree of

Criteria	JORC Code explanation	Commentary
		 geological and mineralisation continuity to support a Mineral Resource Estimate. For example, at the GEO-01 air core target the 2023 Phase 1 RC drill holes were drilled on a broad 100m by 100m grid spacing (19 RC holes in total). Reported RC intersections were aggregated using downhole length weighting of consecutive drill hole sample laboratory assay results.
Orientation of data in relation to geological structure	 Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. 	 The location and orientation of the Minyari Dome Project drilling is appropriate given the strike, dip and morphology of the mineralisation. A number of local grid north dipping drill holes were also completed. No consistent and/or material sampling bias resulting from a structural orientation has been identified at Minyari Dome at this stage; however, folding and multiple vein directions have been recorded via surface mapping and (orientated) diamond core.
Sample security	• The measures taken to ensure sample security.	 Chain of sample custody is managed by Antipa to ensure appropriate levels of sample security. Samples are stored on site and delivered by Antipa or their representatives to Port Hedland and subsequently by Toll lpec Transport from Port Hedland to the assay laboratory in Perth.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	 Sampling techniques and procedures are regularly reviewed internally, as is the data. Consultants Snowden, during completion of the 2013 Calibre Mineral Resource estimate, undertook a desktop review of the Company's sampling techniques and data management and found them to be consistent with industry standards.

ANTIPA MINERALS LTD - MINYARI DOME PROJECT – 2023 Phase 1 Reverse Circulation Drill Programme

Section 2 – Reporting of Exploration Result	s (Criteria listed in the preceding section also apply	/ to this section)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	 Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	 Antipa Minerals Ltd has the interests described below covering a total area of 726.4km², collectively known as the Minyari Dome Project, for the following Western Australia DMIRS granted Exploration Licences: E45/3918 = 100% of 29 graticular blocks covering a southern region of the licence being 92.8km²; E45/3919 = 100% of 15 graticular blocks covering the northernmost region of the licence being 48.0km²; E45/4618 = 100% of licence being 3.2km²; E45/4618 = 100% of licence being 3.2km²; E45/5079 = 100% of licence being 28.8km²; E45/5147 = 100% of licence being 236.8km²; E45/5147 = 100% of licence being 3.2km²; E45/5655 = 100% of licence being 3.2km²; E45/5670 = 100% of licence being 3.2km²; E45/5671 = 100% of licence being 3.2km²; E45/5671 = 100% of licence being 3.2km²; E45/5671 = 100% of licence being 3.2km²; Antipa Minerals Ltd's interests in the Exploration Licences detailed above are not subject to any third party Farm-in or Joint Venture agreements. A 1.5% net smelter royalty is payable to Newcrest Mining Ltd on the sale of all metals on Exploration Licences E45/4812, E45/5079, E45/5147, and E45/5148. A 1.0% net smelter royalty is payable to Sandstorm Gold Ltd on the sale of all metals (excluding uranium) on Exploration Licences E45/3918 and E45/3919. A Split Commodity Agreement exists with Paladin Energy whereby it owns the rights to uranium on Exploration Licences E45/3918 and E45/3919. The Minyari, WACA, Minyari South and Sundown Mineral Resources are located wholly within Exploration Licence

Criteria	JORC Code explanation	Commentary
		 E45/3919. These tenements are contained completely within land where the Martu People have been determined to hold Native Title rights. To the Company's knowledge no historical or environmentally sensitive sites have been identified in the area being actively explored and reported herein. The tenements are in good standing and no known impediments exist.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	 The Minyari and WACA deposits were greenfield discoveries by the Western Mining Corporation Ltd during the early 1980's. Exploration of the Minyari Dome region has involved the following companies: Western Mining Corporation Ltd (1980 to 1983); Newmont Holdings Pty Ltd (1984 to 1990); MIM Exploration Pty Ltd (1990 to 1991); Newcrest Mining Limited (1991 to 2015); and Antipa Minerals Ltd (2016 onwards).
Geology	Deposit type, geological setting and style of mineralisation.	 The geological setting is Paterson Province Proterozoic aged meta-sediment hosted hydrothermal shear, fault and strata/contact controlled precious and/or base metal mineralisation which is typically sulphide bearing. The Paterson Province is a low grade metamorphic terrane but local hydrothermal alteration and/or contact metamorphic mineral assemblages and styles are indicative of a moderate to high-temperature local environment. The mineralisation in the region is interpreted to be intrusion related. Typical mineralisation styles include vein, stockwork, breccia and skarns.
Drill hole Information	 A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar 	

Criteria	JORC Code explanation	Commentary
	 elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length. If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	 available reports. All the various technical Minyari Dome region exploration reports are publicly accessible via the DMIRS' online WAMEX system. The specific WAMEX and other reports related to the exploration information the subject of this public disclosure have been referenced in previous public reports.
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	 For RC drill hole intersections consisting of more than one sample the reported intersections were aggregated using downhole length weighting of consecutive drill hole sample laboratory assay results. No top-cuts to gold, copper, silver, or cobalt have been applied (unless specified otherwise). A nominal 0.10 g/t gold lower cut-off grade has been applied during data aggregation of the one (1) metre resplit drill results. Higher grade intervals of mineralisation internal to broader zones of mineralisation are reported as included intervals. Metal equivalence has not been used in the reporting of these drill intersections.
Relationship between mineralisation widths and intercept lengths	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known'). 	 The drill section spacing and sampling, at this stage, is insufficient to establish the geometrical relationships between the drill holes and any mineralised structures. Therefore, at this stage the reported intersection lengths are down hole in nature and the true width, which will be dependent on the local mineralisation geometry/setting, is not known. Mineralisation at the various greenfield prospects across the Minyari Dome Project consist of meta-sediment hosted plus lesser mafic and felsic intrusion hosted intrusion related hydrothermal alteration, breccia and vein style

Criteria	JORC Code explanation	Commentary
		 gold-copper-silver-cobalt mineralisation. Based on limited drilling information, mineralisation at these prospects is interpreted to be generally steeply dipping and striking between approximately 320° to 350°. Mineralisation plunges at these prospects is under review. The Minyari North mineralisation exhibits a similar plunge to the Minyari deposit, with mineralisation striking northwest and is interpreted to be steeply dipping.
Diagrams	 Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views. 	 All appropriate maps and sections (with scales) and tabulations of intercepts have been publicly reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports. Antipa Minerals Ltd publicly disclosed reports provide maps and sections (with scales) and tabulations of intercepts generated by the Company since 2011; these reports are all available to view on <u>www.antipaminerals.com.au</u> and <u>www.asx.com.au</u>.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All significant results are reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.
Other substantive exploration data	 Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. 	 All meaningful and material information has been included in the body of the text or can sometimes be found in previous WA DMIRS WAMEX publicly available reports. The details of the Minyari Dome region historic Induced Polarisation (IP) survey, including IP Chargeability and resistivity anomalies, can be found in WA DMIRS publicly available WAMEX reports A81227 (2008), A86106 (2009) and A89687 (2010). The details of the Company's reprocessing, review and modelling of the Minyari Dome region historic Induced Polarisation survey, including IP Chargeability and resistivity

 anomalies, can be found in the Company's ASX report titled "Minyari Reprocessed IP Survey Results" created on 5 July 2016. 2ones of mineralisation and associated waste material have not been measured of their bulk density, however, Space and Company's ASX report titled "Minyari Reprocessed IP Survey Results", however, Space and Company's ASX report titled "Report of their bulk density, however, Space and Company's ASX report titled "Report of their bulk density, however, Space and Company's ASX report titled associated waste material have the measured of their bulk density, however, Space and Company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waste material have the company's ASX report titled associated waster and report associated waster downhole waster was undertaken as pract of the SUK report massure and included a borehole caliper device for measure and included a borehole caliper device for measure and included a borehole caliper device for measure and included a borehole caliper device for measuring diril hole demater. The combined dataset calibration of in-titul thotogical, structural and mineralisation feature requery, general granul conditions, ground-water table and calibrity, etc. infortung to the decletion and determination and determination and orientation of in-titule respectively. Addition conditions,	Criteria	JORC Code explanation	Commentary
No information on structure type, din, din direction, alpha			 anomalies, can be found in the Company's ASX report titled <i>"Minyari Reprocessed IP Survey Results"</i> created on 5 July 2016. Zones of mineralisation and associated waste material have not been measured for their bulk density; however, Specific Gravity ("Density") measurements continue to be taken from diamond drill core. Multi element laboratory assaying was conducted variously for a suite of potentially deleterious elements including arsenic, sulfur, lead, zinc and magnesium. Downhole "logging" of a selection of Minyari deposit RC drill holes was undertaken as part of the 2016 and 2021 drill programs using an OBI40 Optical Televiewer which generated an oriented 360 degree image of the drill hole wall via a CCD camera recorded digital image. The OBI40 system utilised also included a North Seeking Gyro-scope to measure drill hole location/deviation, and the downhole survey also measured rock density, magnetic susceptibility, natural gamma and included a borehole caliper device for measuring drill hole diameter. The combined dataset collected via the OBI40 Optical Televiewer downhole survey data has multiple geological and geotechnical uses, including but not limited to the detection and determination of in-situ lithological, structural and mineralisation feature orientations (i.e. dip and strike), determination and orientation of fracture frequency, general ground conditions/stability, oxidation conditions, ground-water table and clarity, etc. Information on structure type, dip, dip direction, alpha angle, beta angle, gamma angle, texture and fill material derived mainly from diamond drill core is stored in the Company's technical SQL database.

Criteria	JORC Code explanation	Commentary
		angle, beta angle, gamma angle, texture and fill material
		were obtained from the WAMEX reports.
		Preliminary metallurgical test-work results are available for
		both the Minyari and WACA gold-copper-silver-cobalt
		deposits, these 13 June 2017 and 27 August 2018
		metallurgical reports are available to view on
		www.antipaminerals.com.au:
		https://antipaminerals.com.au/upload/documents/investors/asx-
		announcements/201129223150_2017-06-13-31.pdf and https://antipaminerals.com.au/upload/documents/investors/asx-
		announcements/201129232007_2018-08-271.pdf) and
		www.asx.com.au.
		 This preliminary metallurgical test-work was completed at
		the Bureau Veritas Minerals Pty Ltd laboratories in Perth,
		Western Australia under the management of metallurgical
		consultants Strategic Metallurgy Pty Ltd in conjunction with
		Bureau Veritas metallurgists and Antipa's Managing
		Director.
		The 2017 metallurgical test-work demonstrated excellent
		gold recoveries for both oxide and primary mineralisation
		from the Minyari and WACA deposits, with the 2018
		metallurgical test-work confirming the potential for the
		Minyari and WACA to produce copper-gold concentrate
		and cobalt-gold concentrate product with extremely
		favourable results. Optimisation of metallurgical
		performance is expected via additional test-work.
		In addition, the following information in relation to
		metallurgy was obtained from WA DMIRS WAMEX reports:
		Newmont Holdings Pty Ltd collected two bulk (8 tonnes
		each) metallurgical samples of oxide mineralisation in
		1987 (i.e. WAMEX 1987 report A24464) from a 220m
		long costean across the Minyari deposit. The bulk
		samples were 8 tonnes grading 1.5 g/t gold and 8

Criteria	JORC Code explanation	Commentary
		 tonnes grading 3.57 g/t gold from below shallow cover in the costean. However, it would appear the Newmont metallurgical test-work for these two bulk samples was never undertaken/competed as no results were subsequently reported to the WA DMIRS; Newmont Holdings Pty Ltd also collected drill hole metallurgical samples for Minyari deposit oxide and primary mineralisation (i.e. WAMEX 1986 report A19770); however, subsequent reporting of any results to the WA DMIRS could not be located suggesting that the metallurgical test-work was never undertaken/competed. Newcrest Mining Ltd describe the Minyari deposit gold- copper mineralisation. In 2004 and 2005 (WAMEX reports A71875 and A74417) Newcrest commenced metallurgical studies for the Telfer Mine and due to the similarities with the Minyari mineralisation a portion of this Telfer metallurgical test-work expenditure was apportioned to the then Newcrest Minyari tenements. Whilst Telfer metallurgical results are not publicly available, the Telfer Mining operation (including ore processing facility) was materially expanded in the mid-2000's and continues to operate with viable metallurgical recoveries (for both oxide and primary mineralisation).
Further work	 The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	 Further exploration activities, including RC ± diamond core drilling, at various prospects (e.g. GEO-01) and geophysical/geochemical targets across the Minyari Dome Project during Q2 FY2024. Possible Mineral Resource Estimation (MRE) updates for Minyari and other satellite deposits may be completed in Q3 FY2024. All appropriate maps and sections (with scales) and

Criteria	JORC Code explanation	Commentary
		tabulations of intercepts have been publicly or previously
		reported by Antipa or can sometimes be found in previous
		WA DMIRS WAMEX publicly available reports.