

## TARGET GENERATION AIR CORE DRILL PROGRAMME EXTENDS POBLANO MINERALISED GOLD ZONE BY 500 METRES

### ANTIPA – IGO PATERSON FARM-IN PROJECT

#### Highlights

- Broad spaced, vertical, shallow air core drilling intersects highly anomalous zones of gold-copper-silver mineralisation and multiple other pathfinder elements
- Poblano gold-copper-silver mineralisation strike extended by approximately 500m to +1.6km of mineralised strike;
- Gold±silver±copper mineralisation intersected beneath shallow sand cover
- Significant air core results include:
  - 45.0m at 0.12 g/t gold from 24.0m down hole intersected 500m north of the Poblano gold-copper-silver prospect including:
    - 17.0m at 0.18 g/t gold from 50.0m down hole
  - 4.0m at 0.31 g/t gold from 80.0m down hole intersected 70m northwest of the Poblano gold-copper-silver prospect
- Several anomalies identified for follow-up this year
- Drill programme fully funded by IGO as part of its \$30 million farm-in

Antipa Minerals Limited (ASX: **AZY**) (**Antipa** or the **Company**) is pleased to provide an update on the IGO Paterson Farm-in Project exploration programme<sup>1</sup> (refer Figures 3 and 4) where IGO Limited (**IGO**) is fully funding a \$4 million exploration program over a 2.5 year period (commencing July 2020) as part of the A\$30 million farm-in agreement (**IGO Farm-in**).

#### Greenfield Exploration Programme

The FY21 IGO Farm-in exploration programme<sup>1</sup>, has a greenfield discovery emphasis, with a focus on Winu, Havieron, Telfer and Nifty analogue targets. Planned exploration activities comprise:

- Phase 1 and Phase 2 air core drill testing of mineral system trends identified by Antipa in 2019;
- Geochemical sampling and analysis;
- Geophysical surveying;
- Target identification; and
- Follow-up drill testing, including possible RC and diamond core, of priority greenfield targets.

Antipa Managing Director, Roger Mason, said: “These results are very encouraging and provide firm direction and support for the exploration programme to be carried out this year and ongoing evidence of the exploration opportunities offered by the El Paso structural trend which stretches across the entire Paterson Project.”

<sup>1</sup> Refer Antipa Minerals ([www.antipaminerals.com.au](http://www.antipaminerals.com.au)) and Australian Securities Exchange (ASX: AZY) news release ([www.asx.com.au](http://www.asx.com.au)) report entitled “Drilling Commences at Antipa IGO Paterson Project” dated 28 October 2020

## Greenfields Air Core 2020 Drill Programme

Phase 1 of the FY21 IGO Farm-in exploration programme includes a first-pass, wide-spaced (500m x 500m) geochemical air core drill programme comprising of 79 holes for 4,026m. This programme was completed in Q4 2020, testing the Reaper-Poblano-Serrano (RPS) and Grey precious and base metal trends<sup>1</sup> (Figures 4, 5 and 7).

Assay results have now been received for the 79 Phase 1 air core holes and the results include significant intersections of gold±silver mineralisation. The Phase 1 air core drill programme extended the strike length of the Poblano gold-copper mineralisation by approximately 500m to the north, and also identified geochemical anomalism for Au±Cu±Ag±W±Sn±Bi±Te±Mo±Pb±Zn±Co at both the RPS and Grey areas.

Significant air core drill intersections at RPS include:

- 45.0m at 0.12 g/t gold 500m north of the Poblano gold-copper-silver prospect from 24.0m down hole in 20PTA0064, including:
  - 17.0m at 0.18 g/t gold from 50.0m down hole
- 4.0m at 0.31 g/t gold 70m northwest of the Poblano gold-copper-silver prospect from 80.0m down hole in 20PTA0056
- 4.0m at 1.25 g/t silver between the Poblano and Serrano gold-copper-silver prospects from 56.0m down hole in 20PTA0053
- 4.0m at 1.30 g/t silver 6km north of the Poblano gold-copper-silver prospect from 20.0m down hole in 20PTA0079

Significant air core drill intersections at Grey include:

- 13.0m at 1.05 g/t silver from 20.0m down hole in 20PTA0001, including:
  - 4.0m at 1.82 g/t silver from 28.0m down hole
- 4.0m at 0.54 g/t silver from 12.0m down hole in 20PTA0002
- 1.0m at 0.57 g/t silver from 14.0m down hole in 20PTA0004
- 17.0m at 0.61 g/t silver from 0m down hole in 20PTA0009, including:
  - 1.0m at 2.4 g/t silver from 16.0m down hole
- 1.0m at 3.19 g/t silver from 19.0m down hole in 20PTA0017
- 4.0m at 0.50 g/t silver from 24.0m down hole in 20PTA0021
- 8.0m at 0.61 g/t silver from 12.0m down hole in 20PTA0030

### ***Reaper-Poblano-Serrano (RPS) (Figures 4 and 5)***

In 2019 Antipa discovered significant gold-copper-silver mineralisation beneath just 20m of cover at RPS via limited, very broad spaced RC drilling along a 1.8km section of an El Paso Corridor structural trend which extends for 23km across the Paterson Project tenure (Figures 4 and 5). Mineralisation extends across a 300 to 400m metre wide zone which remains open along strike in both directions and it is possible that Reaper-Poblano-Serrano are part of the same very large-scale gold-copper mineral system (Figures 5 and 6a-b).

As part of the Phase 1 drill programme, 46 wide-spaced (generally 500m x 500m) vertical air core holes for 3,034m were completed across a total strike length of approximately 11km of the RPS structural trend. Forty-three of these holes were completed in the southern 6km of this trend (Figures 4 and 9). The air core programme extended the strike length of the Poblano gold-copper mineralisation by approximately 500m to the north, and anomalous gold values were identified along a 2.5km strike length of the RPS trend (i.e. from 20PTA0046 to 20PTA0067). Gold and additional pathfinder element anomalies identified within the RPS trend were typically manifested by variable to intense intrusion

related hydrothermal alteration, and ferruginous quartz-sericite veining predominantly within meta-sediments (Figures 1 and 2). More detailed follow-up drilling is planned to investigate the potential of the large-scale, gold-copper RPS mineral system.

At the Alcatraz prospect, a molybdenum anomaly was identified over a 1,700m x 440m aerial electromagnetic (**AEM**) conductivity target located approximately 2.2km northeast of Poblano. This is now under review (Figures 4 and 9).

### **Grey (Figures 4 and 7)**

In 2019 Antipa also discovered significant gold-silver-copper-zinc-lead mineralisation via limited, very broad spaced drilling beneath approximately 15m of cover at Grey (Figures 7 and 8a-b). Mineralisation remains open in all directions and is located proximal to an El Paso Corridor structural trend along, which extends for 34km across the IGO Paterson Project tenure and hosts major mineral systems including Winu.

As part of the Phase 1 drill programme, 33 wide-spaced (generally 400m x 400m) vertical air core holes for 992m were completed across a total strike length of approximately 4km of the Grey area (Figures 7 and 9). The air core drill holes defined silver and pathfinder element anomalies within the Grey area across a 1.6km long zone. More detailed follow-up drilling is planned to investigate the potential of the copper-silver-lead-zinc-gold Grey mineral system.



**Figure 1: Reaper trend air core drill hole 20PTA0064 drill-chips from 66m showing ferruginous quartz-sericite veining and alteration within gold-bismuth mineralisation zone**



**Figure 2: Reaper trend air core drill hole 20PTA0051 sample showing fault/fracture controlled intrusion related intense hydrothermal alteration associated with zinc±lead anomalism 700m northeast of Serrano**

**Paterson Project 2021 Exploration Programme**

The balance of the FY2021 air core programme comprises approximately 4,000 metres of drilling planned for completion in May-June 2021 with the focus being the RPS gold-copper trend, including a parallel, north-northwest trending, structural corridor immediately to the east which hosts the Alcatraz prospect.

The remainder of the Paterson Project 2021 calendar year exploration programme is being finalised, but is likely to consist of the following greenfield exploration activities:

- Follow-up RC ± diamond core drill testing of priority targets at RPS and Grey;
- Surface geochemical sampling and analysis;
- Geophysical surveying; and
- Target identification.

**Release authorised by**  
**Stephen Power**  
**Executive Chairman**

**For further information, please visit [www.antipaminerals.com.au](http://www.antipaminerals.com.au) or contact:**

**Roger Mason**  
Managing Director  
Antipa Minerals Ltd  
+61 (0)8 9481 1103

**Stephen Power**  
Executive Chairman  
Antipa Minerals Ltd  
+61 (0)8 9481 1103

**Luke Forrestal**  
Associate Director  
Media & Capital Partners  
+61 (0)411 479 144



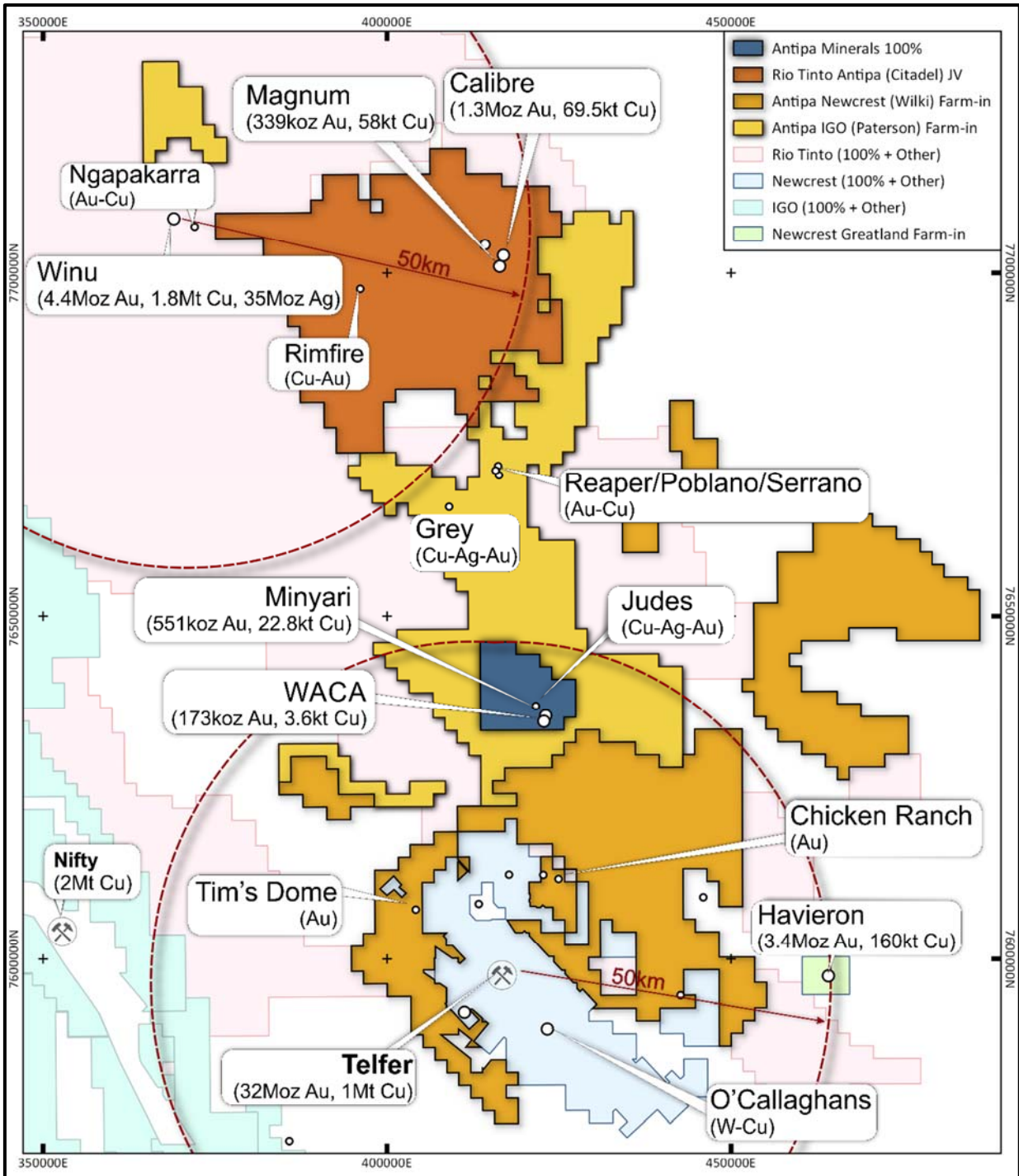


Figure 3: Plan showing location of Antipa 100% owned tenements, Antipa-IGO Paterson Farm-in, Antipa-Newcrest Wilki Farm-in, Antipa-Rio Tinto Citadel Joint Venture, Newcrest Mining Ltd’s Telfer Mine and O’Callaghans deposit, Rio Tinto’s Winu deposit, Greatland Gold plc’s/Newcrest’s Havieron deposit, and Metals X Nifty Mine. NB: Rio and IGO “100%” tenement areas include some related third-party Farm-in’s. NB: Regional GDA94 / MGA Zone 51 co-ordinates, 50km grid.

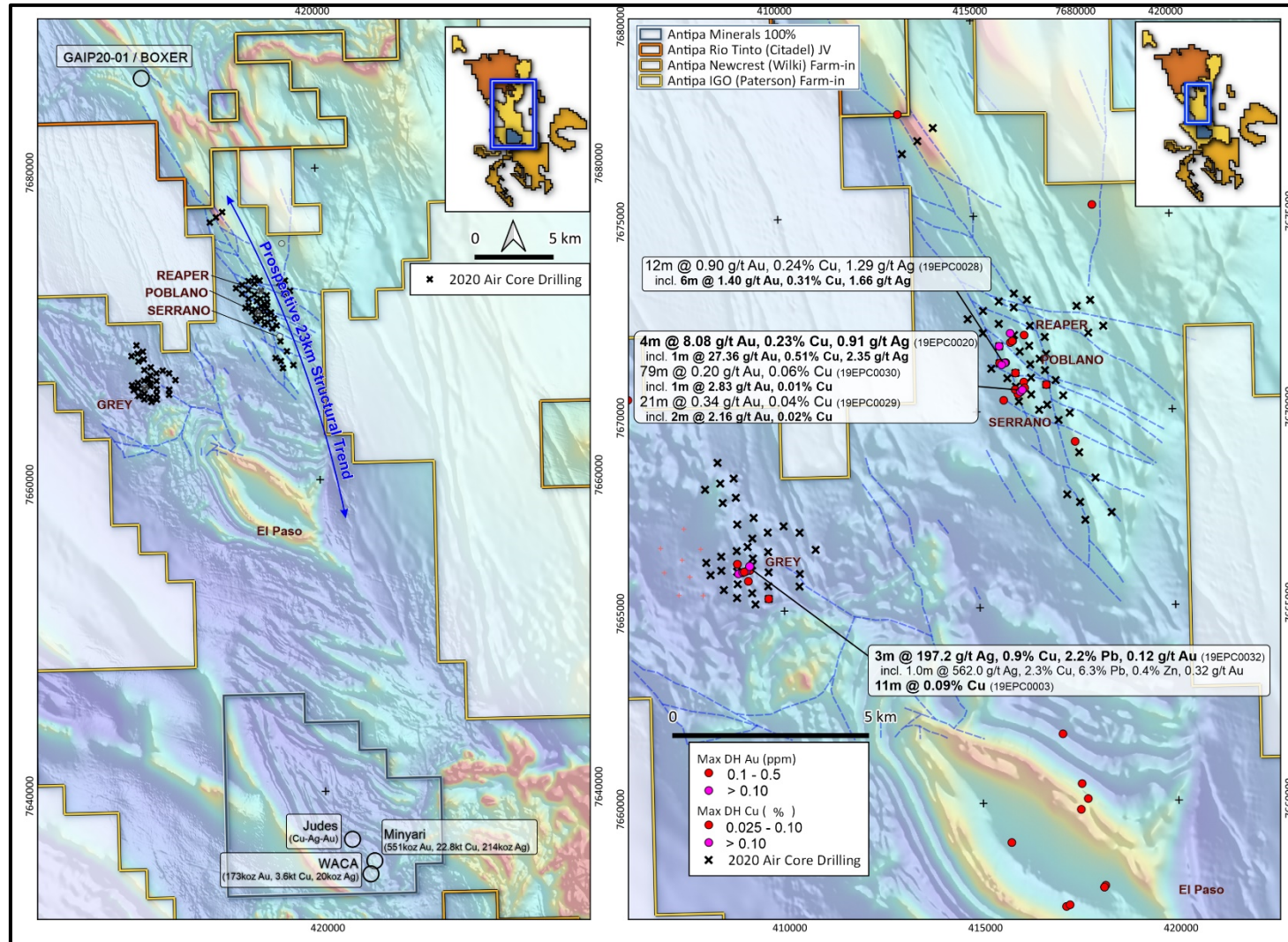


Figure 4: Plan view of a region of Paterson IGO Farm-in Project showing the 2020 air core drill hole collars, prospect locations and mineralised trends within the El Paso Corridor, including the Serrano-Poblano-Reaper gold-copper-silver trend along a NW trending major structure with WNW trending oblique/cross-cutting second order structures (i.e. fault / shear zone / possible hydrothermal fluid “conduits”) and Grey high-grade polymetallic prospect. Note lack of drilling across the broader region. and. NB: Over Airborne magnetic image (100m flight-line spacing at an altitude of 30m; pseudo-colour First Vertical Derivative) and Regional GDA94 / MGA Zone 51 co-ordinates, left image 20km grid and right image 5km grid.



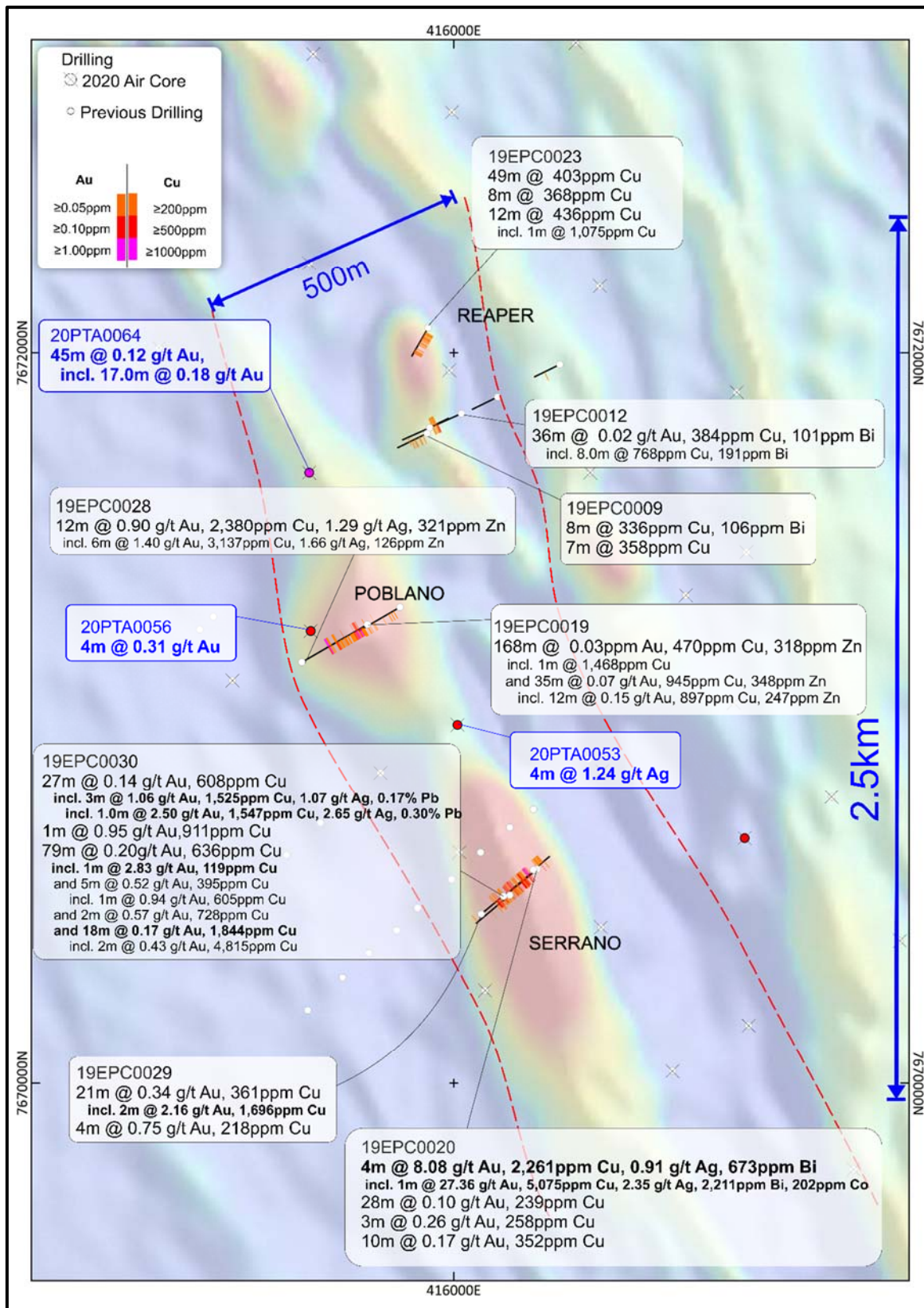


Figure 5: Plan view showing Serrano - Poblano (magnetic) and Reaper (AEM) targets, 2019 RC drill holes and 2020 air core drill holes, distribution of gold-copper-silver mineralisation grades, and mineralised trend, which is 500m wide by 2km long and, based on limited very broad spaced drill testing, remains open in most directions, with the major “controlling” NW striking structure extending for 23km across Paterson IGO Farm-in Project tenure. NB: Over Airborne magnetic image (100m flight-line spacing at an altitude of 30m; pseudo-colour TMI-RTP First Vertical Derivative NE Sun illumination) and Regional GDA94 / MGA Zone 51 co-ordinates, 500m grid.

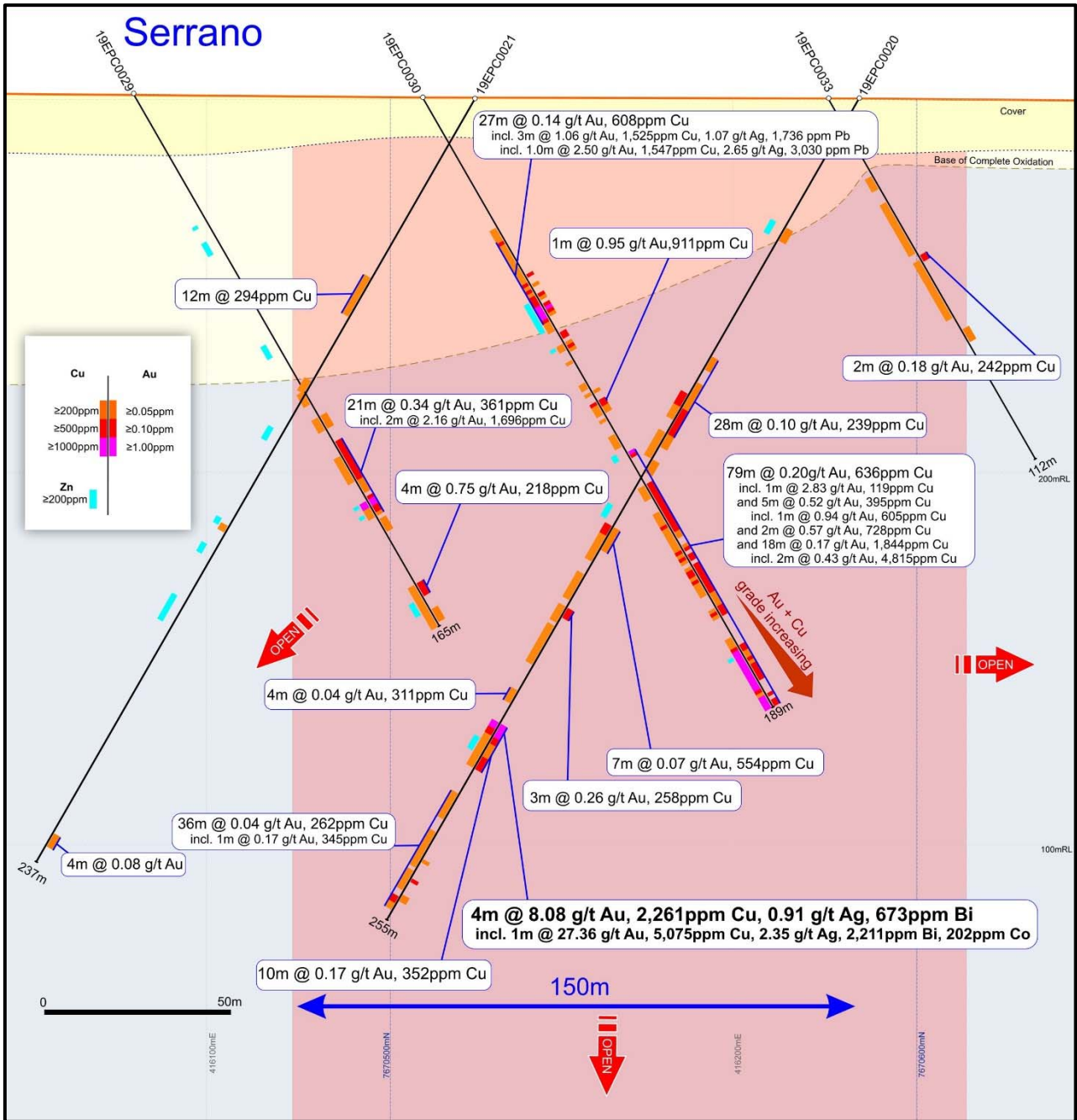


Figure 6a (above): Serrano magnetic target cross-section showing 2019 RC drill holes and distribution of copper-gold-silver±zinc mineralisation and grades. NB: Regional GDA94 / MGA Zone 51 co-ordinates, 100m grid, looking toward 320°.

Figure 6b (below): Examples of Serrano gold-copper mineralised quartz-sulphide veins.





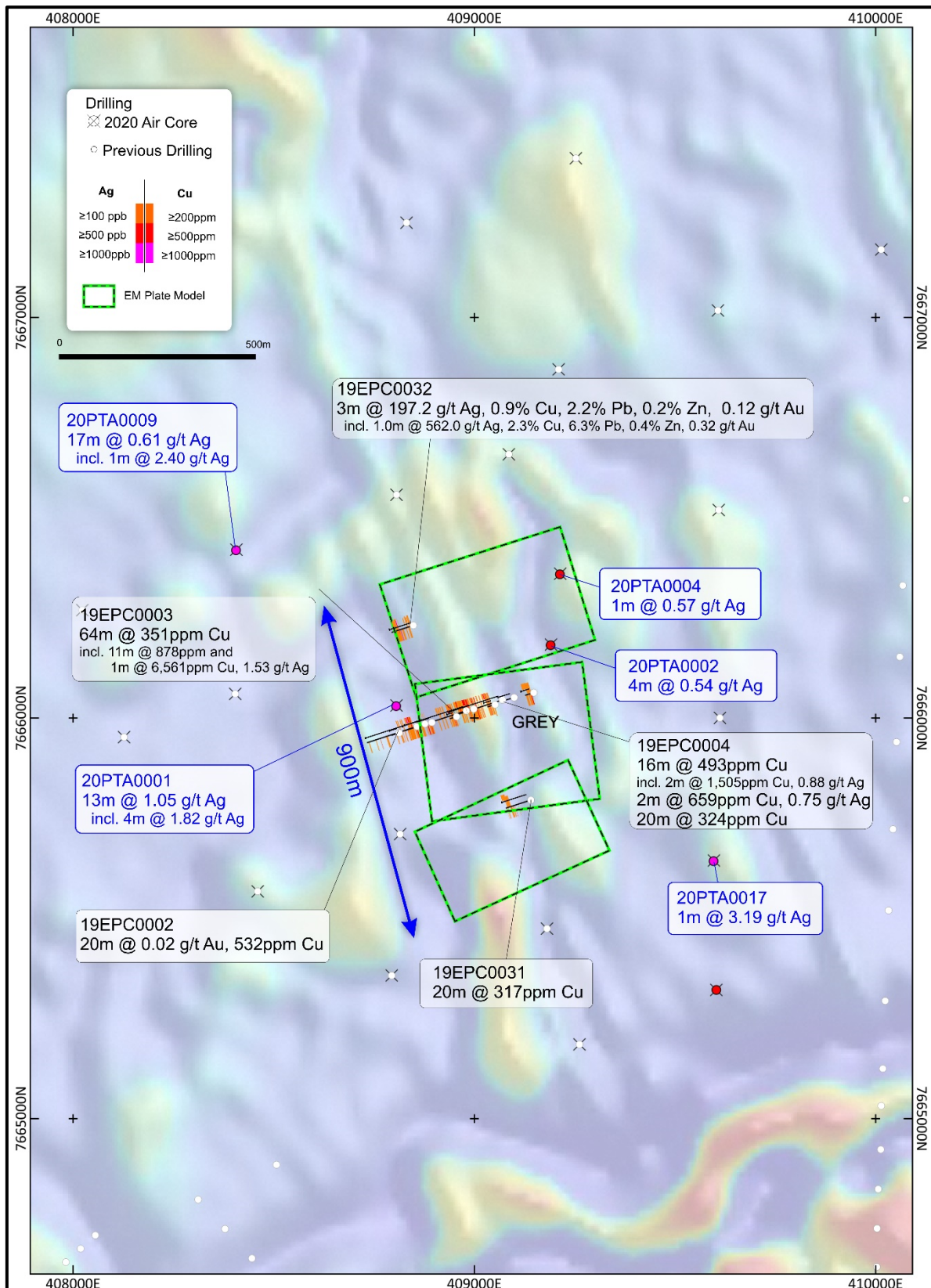


Figure 7: Grey (AEM) Target plan showing 2019 and 2020 (air core) drill holes and distribution of silver-copper-lead-gold-zinc mineralisation and grades and location of AEM conductivity EM Plate Models. RC drill hole 19EPC0032 just clipped the up dip edge of the modelled EM conductivity plate which extends for approximately 450m down dip and 900m along strike. Also note significant magnetic anomalies. NB: Over Airborne magnetic image (100m flight-line spacing at an altitude of 30m; pseudo-colour TMI-RTP First Vertical Derivative NE Sun illumination) and Regional GDA94 / MGA Zone 51 co-ordinates, 500m grid.



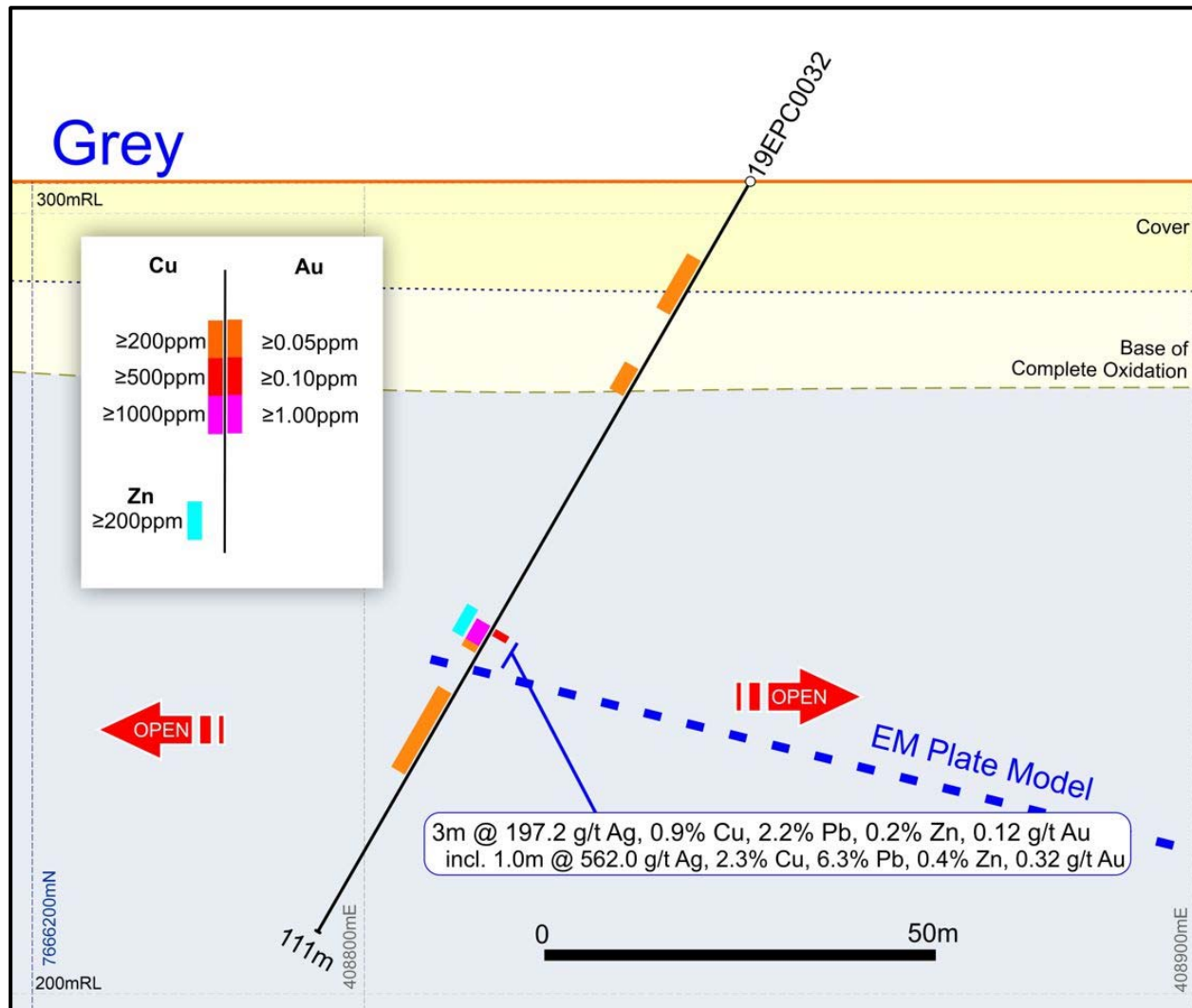


Figure 8a (above): Grey (AEM) Target cross-section showing northernmost RC drill hole and distribution of silver-copper-lead-gold-zinc mineralisation and grades and location of AEM conductivity EM Plate Model. RC drill hole 19EPC0032 clipped the up-dip edge of the modelled EM conductivity plate which extends for approximately 450m down dip and 900m along strike. NB: Regional GDA94 / MGA Zone 51 co-ordinates, 100m grid, looking toward 340°.

Figure 8b (right): Examples of Grey silver-copper-lead-gold-zinc mineralised quartz-sulphide veins

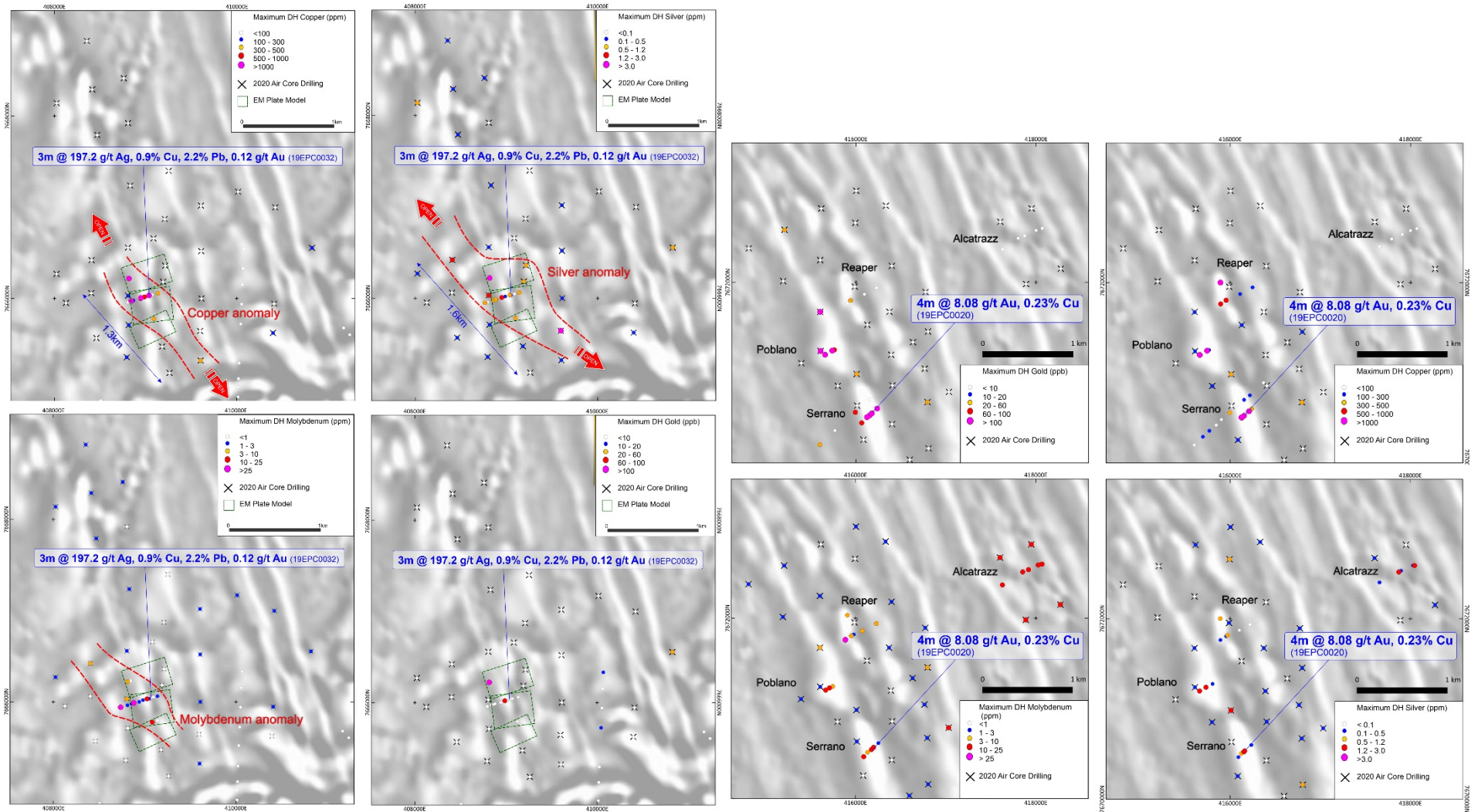
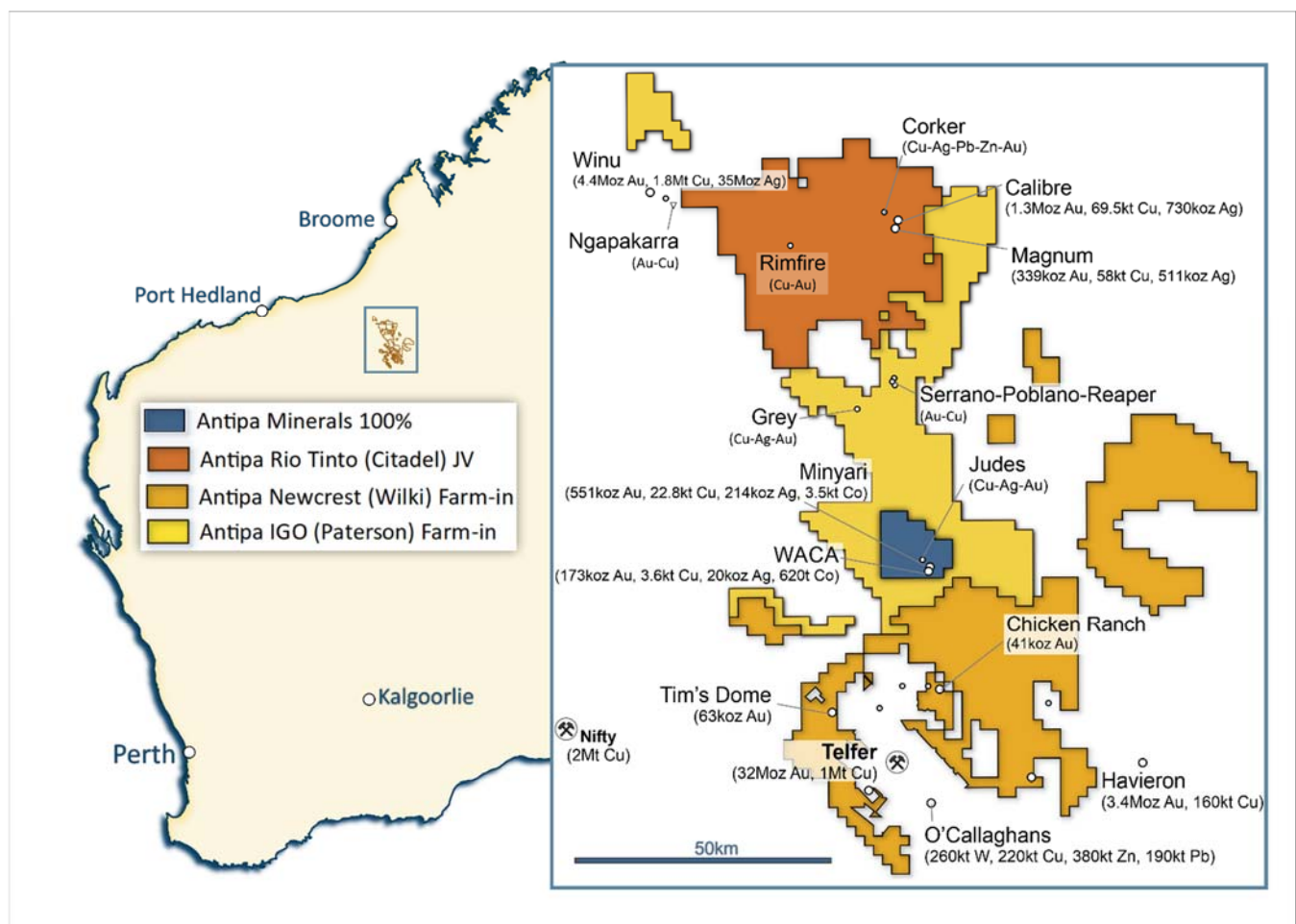


Figure 9: RPS trend and Grey prospect maximum downhole values for gold, copper, silver, and molybdenum. Note substantial extents, 1.5 to 2km, of polymetallic anomalies in both areas. Also note the molybdenum anomaly at the AEM target Alcatraz located 2.2km east of RPS.

**About Antipa Minerals:** Antipa is a mineral exploration company focused on the Paterson Province in north-west Western Australia, home to Newcrest Mining’s world-class Telfer gold-copper mine, Rio Tinto’s Winu copper-gold deposit, Greatland Gold-Newcrest’s recent Havieron gold-copper discovery and other significant mineral deposits. Having first entered the Paterson in 2011 when it was a less sought-after exploration address, the Company has used its early mover advantage to build an enviable tenement holding of ~5,200km<sup>2</sup>, including the ~1,300km<sup>2</sup> Citadel Project that is subject to a \$60 million Farm-in and Joint Venture Agreement with Rio Tinto (who currently holds a 51% joint venture interest), the ~2,200km<sup>2</sup> Wilki Project that is subject to a \$60 million Farm-in and Joint Venture Agreement with Newcrest (who is yet to earn a joint venture interest) and the ~1,500km<sup>2</sup> Paterson Project that is subject to a \$30 million Farm-in and Joint Venture Agreement with IGO (who is yet to earn a joint venture interest). The Citadel Project lies within 5km of the Winu discovery and contains a Mineral Resource of 1.64 million ounces of gold and 128,000 tonnes of copper from two deposits, Calibre and Magnum. Antipa retains 144km<sup>2</sup> of 100%-owned Minyari Dome Project tenements which contains an established Mineral Resource, with the Minyari and WACA deposits containing 723,000 ounces of gold and 26,000 tonnes of copper plus other deposits and high quality exploration targets. Unlike certain parts of the Paterson where the post mineralisation (younger) cover can be kilometres thick, making for difficult exploration, the Company’s combined ~5,200km<sup>2</sup> tenement portfolio features relatively shallow cover; approximately 80% being under less than 80 metres of cover. Extensive drilling and geophysical surveys are planned for 2020 across Antipa’s combined Paterson tenement portfolio as the company pursues a dual strategy of targeting tier-one greenfields discoveries and growing its existing resources through brownfields exploration.



**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.



**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 undertaken 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.antipaminerals.com.au](http://www.antipaminerals.com.au) and [www.asx.com.au](http://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.

Various information in this report which relates to Exploration Results have been extracted from the following announcements lodged on the ASX, where further details, including JORC Code reporting tables where applicable, can also be found:

• <i>Calibre and Magnum Deposit Mineral Resource JORC 2102 Updates</i>	23 February 2015
• <i>Minyari/WACA Deposits Maiden Mineral Resource</i>	16 November 2017
• <i>Calibre Deposit Mineral Resource Update</i>	17 November 2017
• <i>2018 Exploration Programme Update</i>	16 July 2018
• <i>2018-19 Exploration Programme Overview and Update - August</i>	15 August 2018
• <i>Multiple High Grade Gold-Copper Targets Identified</i>	15 October 2018
• <i>Expanded Greenfield Programme in Paterson Province Commences</i>	10 December 2018
• <i>Greenfield Programme Identifies Havieron Lookalike Anomalies</i>	14 February 2019
• <i>Antipa to Commence Major Greenfields Exploration Programme</i>	18 February 2019
• <i>Major Greenfields Drilling Programme Commences</i>	7 May 2019
• <i>Antipa Provides Update on 2019 Exploration Programme</i>	18 June 2019
• <i>Antipa provides Further Update on 2019 Exploration Programme</i>	16 July 2019
• <i>Exploration Update - 100% Owned Paterson Province Tenure</i>	22 August 2019
• <i>Zones of Copper-Gold Mineralisation Identified</i>	18 October 2019
• <i>Serrano Poblano Grey Follow Up Drilling Results</i>	22 November 2019
• <i>Multiple New Gold-Copper Targets on 100% Owned Ground</i>	23 December 2019
• <i>\$30m Farm-in and \$3.27m Share Placement with IGO</i>	9 July 2020
• <i>Completion of Share Placements to IGO and Newcrest</i>	14 July 2020
• <i>Corporate Presentation-Beaver Creek PMS - September 2020</i>	15 September 2020
• <i>Corporate Presentation - Diggers and Dealers - October 2020</i>	12 October 2020
• <i>Drilling Commences at Antipa IGO Paterson Project</i>	28 October 2020
• <i>Corporate Presentation - 121 Mining EMEA - November 2020</i>	18 November 2020
• <i>Corporate Presentation - AGM - 20 November 2020</i>	20 November 2020

These announcements are available for viewing on the Company's website [www.antipaminerals.com.au](http://www.antipaminerals.com.au) under the Investors tab and on the ASX website [www.asx.com.au](http://www.asx.com.au).

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. Mr Roger Mason, whose details are set out above, was the Competent Person in respect of the Exploration Results in these original reports.

**Competent Persons Statement – Mineral Resource Estimations for the Minyari-WACA Deposits, Tim's Dome and Chicken Ranch Deposits, Calibre Deposit and Magnum Deposit:** The information in this document that relates to the estimation and reporting of the Minyari-WACA deposits Mineral Resources is extracted from the report entitled "*Minyari/WACA Deposits Maiden Mineral Resources*" created on 16 November 2017 with Competent Persons Kahan Cervoj and Susan Havlin, 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 Deposit Mineral Resource Update*" created on 17 November 2017 with Competent Person John Graindorge 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](http://www.antipaminerals.com.au) and [www.asx.com.au](http://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.

**Gold Metal Equivalent Information - Calibre Mineral Resource AuEquiv cut-off grade:** Gold Equivalent (AuEquiv) details of material factors and metal equivalent formula are reported in “*Calibre Deposit Mineral Resource Update*” created on 17 November 2017 which is available to view on [www.antipaminerals.com.au](http://www.antipaminerals.com.au) and [www.asx.com.au](http://www.asx.com.au).

**Gold Metal Equivalent Information - Magnum Mineral Resource AuEquiv cut-off grade:** Gold Equivalent (AuEquiv) details of material factors and metal equivalent formula are reported in “*Citadel Project - Calibre and Magnum Deposit Mineral Resource JORC 2012 Updates*” created on 23 February 2015 which is available to view on [www.antipaminerals.com.au](http://www.antipaminerals.com.au) and [www.asx.com.au](http://www.asx.com.au).

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**Gold Metal Equivalent Information - Calibre Mineral Resource AuEquiv cut-off grade:** Gold Equivalent (AuEquiv) details of material factors and metal equivalent formula are reported in “*Calibre Deposit Mineral Resource Update*” created on 17 November 2017 which is available to view on [www.antipaminerals.com.au](http://www.antipaminerals.com.au) and [www.asx.com.au](http://www.asx.com.au).

**Gold Metal Equivalent Information - Magnum Mineral Resource AuEquiv cut-off grade:** Gold Equivalent (AuEquiv) details of material factors and metal equivalent formula are reported in “*Citadel Project - Calibre and Magnum Deposit Mineral Resource JORC 2012 Updates*” created on 23 February 2015 which is available to view on [www.antipaminerals.com.au](http://www.antipaminerals.com.au) and [www.asx.com.au](http://www.asx.com.au).



## Mineral Resource Estimates

### North Telfer Project (100% Antipa)

Deposit and Gold Cut-off Grade*	Resource Category	Tonnes (Mt)	Gold Grade (g/t)	Copper Grade (%)	Silver Grade (g/t)	Cobalt (ppm)	Gold (oz)	Copper (t)	Silver (oz)	Cobalt (t)
Minyari 0.5 Au	Indicated	3.2	1.9	0.3	0.7	590	192,610	9,600	75,660	1,860
Minyari 0.5 Au	Inferred	0.7	1.7	0.24	0.6	340	36,260	1,560	13,510	220
<b>Minyari 0.5 Au</b>	<b>Sub-Total</b>	<b>3.8</b>	<b>1.9</b>	<b>0.29</b>	<b>0.7</b>	<b>550</b>	<b>228,870</b>	<b>11,160</b>	<b>89,170</b>	<b>2,080</b>
Minyari 1.7 Au	Indicated	.2	2.6	0.29	0.9	430	18,740	650	6,800	100
Minyari 1.7 Au	Inferred	3.7	2.6	0.3	1.0	370	303,000	10,950	117,550	1,360
<b>Minyari 1.7 Au</b>	<b>Sub-Total</b>	<b>3.9</b>	<b>2.6</b>	<b>0.3</b>	<b>1.0</b>	<b>380</b>	<b>321,740</b>	<b>11,600</b>	<b>124,350</b>	<b>1,460</b>
<b>Minyari</b>	<b>Total</b>	<b>7.7</b>	<b>2.2</b>	<b>0.3</b>	<b>0.9</b>	<b>460</b>	<b>550,610</b>	<b>22,760</b>	<b>213,520</b>	<b>3,540</b>
WACA 0.5 Au	Inferred	2.8	1.4	0.11	0.2	180	121,950	3,120	15,920	500
WACA 1.7 Au	Inferred	0.5	2.9	0.09	0.2	230	50,780	510	3,850	120
<b>WACA</b>	<b>Total</b>	<b>3.3</b>	<b>1.6</b>	<b>0.11</b>	<b>0.2</b>	<b>190</b>	<b>172,730</b>	<b>3,630</b>	<b>19,770</b>	<b>620</b>
<b>Minyari + WACA Deposits</b>	<b>Grand Total</b>	<b>11.0</b>	<b>2.0</b>	<b>0.24</b>	<b>0.7</b>	<b>380</b>	<b>723,340</b>	<b>26,390</b>	<b>233,290</b>	<b>4,160</b>
<b>North Telfer + Paterson Projects – Gold Only</b>	<b>Grand Total</b>	<b>13.5</b>	<b>1.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>826,840</b>	<b>-</b>	<b>-</b>	<b>-</b>

\*0.5 Au = Using a 0.5 g/t gold cut-off grade above the 50mRL (NB: potential "Open Cut" cut-off grade) and \*1.7 Au = Using a 1.7 g/t gold cut-off grade below the 50mRL (NB: potential "Underground" cut-off grade)

### Wilki Project (Newcrest Farm-in)

Deposit and Gold Cut-off Grade**	Resource Category	Tonnes (Mt)	Gold Grade (g/t)	Copper Grade (%)	Silver Grade (g/t)	Cobalt (ppm)	Gold (oz)	Copper (t)	Silver (oz)	Cobalt (t)
Chicken Ranch Area 0.5 Au	Inferred	0.8	1.6	-	-	-	40,300	-	-	-
Tim's Dome 0.5 Au	Inferred	1.8	1.1	-	-	-	63,200	-	-	-
<b>Chicken Ranch Area + Tim's Dome</b>	<b>Total</b>	<b>2.4</b>	<b>1.3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>103,500</b>	<b>-</b>	<b>-</b>	<b>-</b>

\*\*0.5 Au = Using a 0.5 g/t gold cut-off grade above the 50mRL (NB: potential "Open Cut" cut-off grade)

Note: Wilki Project Mineral Resources are tabled on a 100% basis, with Antipa's current joint venture interest being 100%

### Citadel Project (Rio Tinto JV)

Deposit and Gold Cut-off Grade***	Resource Category	Tonnes (Mt)	Gold Grade (g/t)	Copper Grade (%)	Silver Grade (g/t)	Tungsten (ppm)	Gold (oz)	Copper (t)	Silver (oz)	Tungsten (t)
Calibre 0.5 Au Equiv	Inferred	47.7	0.9	0.15	0.5	217	1,300,000	69,500	730,000	10,300
Magnum 0.5 Au Equiv	Inferred	16.1	0.7	0.37	1.0	-	339,000	57,800	511,000	-
<b>Calibre + Magnum Deposits</b>	<b>Total</b>	<b>63.8</b>	<b>0.8</b>	<b>0.2</b>	<b>0.6</b>	<b>161</b>	<b>1,639,000</b>	<b>127,300</b>	<b>1,241,000</b>	<b>10,300</b>

\*\*\*0.5 AuEquiv = Refer to details provided by the Notes section

Note: Citadel Project Mineral Resources are tabled on a 100% basis, with Antipa's current joint venture interest being 49%

**Table 1: Paterson Project Air Core Drill Hole Results:  
Anomalous Gold-Copper-Silver and Mineral System Pathfinder Elements  
( $\geq 1.0\text{m}$  with Au  $\geq 30\text{ppb}$ , and/or Cu  $\geq 200\text{ppm}$  and/or Ag  $\geq 0.5\text{ppm}$  and/or Bi  $\geq 25\text{ppm}$  and/or As  $\geq 30\text{ppm}$   
and/or Co  $\geq 100\text{ppm}$  and/or W  $\geq 100\text{ppm}$  and/or Zn  $\geq 200\text{ppm}$  and/or Pb  $\geq 200\text{ppm}$  and/or Mo  $\geq 10\text{ppm}$ )**

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0001	Grey/Tupelo	20	24	4	0	63	0.52	0	1	12	0	79	12	1
20PTA0001	Grey/Tupelo	24	28	4	2	82	0.87	0	2	36	0	76	22	2
20PTA0001	Grey/Tupelo	28	32	4	2	134	1.82	3	2	48	0	151	14	4
20PTA0001	Grey/Tupelo	32	33	1	12	116	0.83	3	1	33	0	121	14	1
20PTA0002	Grey/Tupelo	12	16	4	0	22	0.54	0	0	10	0	45	7	0
20PTA0004	Grey/Tupelo	14	15	1	1	16	0.57	0	1	49	0	90	6	0
20PTA0008	Grey/Tupelo	0	4	4	1	4	0.05	0	58	1	0	2	19	1
20PTA0009	Grey/Tupelo	0	4	4	1	7	0.73	0	21	2	0	26	15	1
20PTA0009	Grey/Tupelo	4	8	4	0	4	0.61	0	1	1	0	57	3	1
20PTA0009	Grey/Tupelo	8	12	4	0	2	0.08	0	0	0	0	55	2	0
20PTA0009	Grey/Tupelo	12	16	4	0	7	0.59	0	1	7	0	82	14	0
20PTA0009	Grey/Tupelo	16	17	1	0	14	2.40	0	0	4	10	119	9	7
20PTA0015	Grey/Tupelo	36	37	1	1	75	0.06	0	1	23	1	221	35	0
20PTA0017	Grey/Tupelo	19	20	1	5	33	3.19	0	1	13	1	71	11	0
20PTA0018	Grey/Tupelo	20	22	2	5	23	0.04	0	0	123	0	94	5	0
20PTA0019	Grey/Tupelo	4	8	4	1	345	0.14	18	3	15	0	74	5	2
20PTA0019	Grey/Tupelo	8	12	4	1	203	0.06	5	1	21	0	127	8	2
20PTA0021	Grey/Tupelo	0	4	4	1	7	0.12	0	43	2	0	6	14	1
20PTA0021	Grey/Tupelo	16	20	4	0	246	0.04	24	8	51	9	236	15	1
20PTA0021	Grey/Tupelo	20	24	4	0	168	0.18	12	1	22	4	123	24	0
20PTA0021	Grey/Tupelo	24	25	1	1	80	0.56	1	1	27	20	123	78	1
20PTA0021	Grey/Tupelo	25	26	1	4	44	0.50	1	1	8	6	63	17	0
20PTA0021	Grey/Tupelo	26	27	1	3	149	0.41	1	1	112	1	146	9	1
20PTA0021	Grey/Tupelo	27	28	1	9	66	0.53	2	1	14	2	142	5	0
20PTA0021	Grey/Tupelo	28	29	1	31	77	0.40	2	1	37	5	351	7	0
20PTA0021	Grey/Tupelo	29	30	1	56	86	0.23	14	2	34	66	395	13	2
20PTA0021	Grey/Tupelo	30	31	1	32	79	0.19	10	2	29	25	365	11	2
20PTA0021	Grey/Tupelo	31	32	1	28	90	0.11	11	1	18	40	206	7	1
20PTA0027	Grey/Tupelo	4	8	4	0	4	0.00	0	33	0	0	4	8	1
20PTA0030	Grey/Tupelo	12	16	4	0	1	0.68	0	0	0	0	5	13	0

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0030	Grey/Tupelo	16	20	4	0	3	0.53	0	2	3	0	15	5	0
20PTA0031	Grey/Tupelo	0	4	4	1	6	0.14	1	41	3	0	3	23	2
20PTA0031	Grey/Tupelo	4	8	4	0	2	0.06	0	45	1	0	4	18	1
20PTA0036	Reaper Trend South - Reno	4	8	4	1	5	0.02	1	32	1	0	2	11	1
20PTA0036	Reaper Trend South - Reno	24	28	4	0	54	0.04	0	2	15	0	220	46	2
20PTA0036	Reaper Trend South - Reno	56	60	4	0	34	0.05	0	1	21	0	216	20	1
20PTA0036	Reaper Trend South - Reno	60	64	4	1	39	0.07	1	2	18	0	180	22	1
20PTA0036	Reaper Trend South - Reno	64	68	4	1	49	0.11	1	5	32	0	204	27	4
20PTA0040	Reaper Trend	21	22	1	0	246	0.03	0	4	189	0	507	15	1
20PTA0040	Reaper Trend	22	23	1	0	217	0.03	0	2	56	0	198	19	1
20PTA0041	Reaper Trend	8	12	4	1	6	0.03	1	33	1	0	5	17	1
20PTA0042	Reaper Trend	8	12	4	1	5	0.02	0	37	1	0	10	13	1
20PTA0043	Reaper Trend	28	32	4	0	2	0.67	0	1	1	1	19	5	0
20PTA0044	Reaper Trend	46	47	1	0	45	0.05	1	13	6	0	39	82	14
20PTA0044	Reaper Trend	47	51	4	0	50	0.04	1	16	6	0	73	46	10
20PTA0044	Reaper Trend	51	55	4	2	61	0.05	1	28	14	0	139	32	7
20PTA0044	Reaper Trend	55	59	4	1	36	0.04	1	24	26	0	201	38	8
20PTA0044	Reaper Trend	59	63	4	3	63	0.25	1	27	40	0	237	36	13
20PTA0044	Reaper Trend	63	67	4	7	58	0.06	1	22	17	0	161	39	11
20PTA0044	Reaper Trend	67	71	4	4	64	0.14	1	23	26	0	183	41	11
20PTA0044	Reaper Trend	71	75	4	7	61	0.11	1	20	22	0	188	31	12
20PTA0044	Reaper Trend	75	79	4	5	58	0.05	1	19	8	0	106	50	9
20PTA0044	Reaper Trend	79	83	4	3	45	0.10	1	31	22	0	134	26	11
20PTA0045	Reaper Trend	45	46	1	10	93	0.40	1	11	70	0	245	58	11
20PTA0045	Reaper Trend	46	47	1	13	87	0.21	1	11	21	0	239	71	13
20PTA0045	Reaper Trend	47	51	4	5	82	0.16	15	16	61	0	402	692	11
20PTA0045	Reaper Trend	51	55	4	4	57	0.17	5	15	35	0	301	140	8
20PTA0045	Reaper Trend	55	59	4	4	67	0.18	2	21	41	0	179	66	12
20PTA0045	Reaper Trend	59	63	4	6	53	0.09	1	18	36	0	201	73	12
20PTA0045	Reaper Trend	63	67	4	3	57	0.14	1	13	36	0	163	159	9

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0045	Reaper Trend	67	71	4	3	56	0.08	1	12	53	0	250	173	10
20PTA0045	Reaper Trend	71	75	4	2	52	0.06	1	10	49	0	247	161	7
20PTA0045	Reaper Trend	75	77	2	3	48	0.06	2	12	30	0	315	136	3
20PTA0045	Reaper Trend	77	78	1	2	44	0.10	1	9	17	0	135	84	2
20PTA0045	Reaper Trend	78	79	1	3	45	0.06	1	11	25	0	289	104	4
20PTA0045	Reaper Trend	79	80	1	1	44	0.06	2	23	22	0	595	409	8
20PTA0045	Reaper Trend	80	84	4	1	31	0.05	1	7	17	0	202	79	11
20PTA0045	Reaper Trend	84	88	4	5	29	0.03	1	3	9	0	213	104	3
20PTA0046	Reaper Trend	32	36	4	0	14	0.50	0	1	10	0	90	13	0
20PTA0046	Reaper Trend	60	64	4	43	385	0.11	11	17	28	0	147	18	1
20PTA0046	Reaper Trend	64	68	4	3	68	0.04	1	5	12	0	62	20	1
20PTA0046	Reaper Trend	68	72	4	1	13	0.02	1	5	33	0	227	40	1
20PTA0046	Reaper Trend	72	76	4	1	14	0.02	1	3	20	0	122	21	1
20PTA0046	Reaper Trend	76	80	4	0	11	0.03	1	4	24	0	191	18	1
20PTA0046	Reaper Trend	80	84	4	0	29	0.03	1	3	19	0	226	21	1
20PTA0046	Reaper Trend	84	88	4	0	17	0.04	1	4	18	0	243	17	1
20PTA0046	Reaper Trend	88	92	4	0	6	0.03	1	3	18	0	359	27	0
20PTA0046	Reaper Trend	92	96	4	1	37	0.12	1	2	18	0	445	59	1
20PTA0046	Reaper Trend	96	98	2	0	48	0.14	1	2	17	0	202	12	1
20PTA0046	Reaper Trend	98	99	1	2	57	0.00	2	0	23	10	290	8	1
20PTA0047	Reaper Trend	40	44	4	0	45	0.03	0	0	13	0	204	7	0
20PTA0047	Reaper Trend	44	48	4	0	119	0.04	1	0	12	1	228	30	1
20PTA0049	Reaper Trend	24	28	4	0	67	0.01	0	1	15	1	221	19	0
20PTA0049	Reaper Trend	28	32	4	1	34	0.05	0	1	9	2	115	13	0
20PTA0049	Reaper Trend	32	36	4	4	39	0.03	0	1	17	4	219	40	1
20PTA0051	Reaper Trend	24	28	4	0	71	0.04	1	6	5	0	200	123	1
20PTA0051	Reaper Trend	28	32	4	0	44	0.05	0	2	5	0	202	100	1
20PTA0051	Reaper Trend	32	36	4	0	70	0.05	1	7	39	0	325	388	1
20PTA0051	Reaper Trend	36	40	4	0	40	0.03	1	2	28	0	492	69	1
20PTA0051	Reaper Trend	40	44	4	2	38	0.03	1	3	22	0	438	117	1
20PTA0051	Reaper Trend	44	48	4	1	40	0.06	1	4	45	0	254	89	2
20PTA0053	Reaper Trend	16	20	4	0	250	0.12	1	1	7	4	79	5	0
20PTA0053	Reaper Trend	20	24	4	1	251	0.22	12	2	8	8	80	5	1
20PTA0053	Reaper Trend	24	28	4	2	323	0.12	4	1	14	3	104	4	1
20PTA0053	Reaper Trend	28	32	4	1	255	0.10	6	0	17	2	123	3	1

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0053	Reaper Trend	32	36	4	6	302	0.11	8	1	14	3	96	3	1
20PTA0053	Reaper Trend	36	40	4	4	219	0.08	4	1	12	7	69	4	1
20PTA0053	Reaper Trend	40	44	4	49	207	0.06	40	1	9	5	54	3	0
20PTA0053	Reaper Trend	56	60	4	9	51	1.24	2	1	10	7	52	5	0
20PTA0056	Reaper Trend	36	40	4	12	225	0.08	1	1	4	2	96	9	0
20PTA0056	Reaper Trend	40	44	4	12	106	0.06	0	0	9	1	190	5	0
20PTA0056	Reaper Trend	44	48	4	4	56	0.02	0	0	42	0	332	8	0
20PTA0056	Reaper Trend	48	52	4	4	23	0.02	0	1	14	0	209	13	1
20PTA0056	Reaper Trend	72	76	4	11	258	0.08	2	0	25	0	253	73	0
20PTA0056	Reaper Trend	76	80	4	28	55	0.04	1	0	17	1	244	44	1
20PTA0056	Reaper Trend	80	84	4	314	231	0.12	48	1	30	0	301	113	0
20PTA0056	Reaper Trend	84	88	4	49	183	0.05	6	1	25	0	117	21	0
20PTA0056	Reaper Trend	88	92	4	5	86	0.05	1	1	13	0	198	27	0
20PTA0056	Reaper Trend	92	96	4	22	177	0.05	3	1	21	0	90	20	0
20PTA0056	Reaper Trend	96	99	3	69	105	0.02	5	1	25	0	133	27	0
20PTA0059	Reaper Trend	0	4	4	1	12	0.29	1	32	3	0	4	28	3
20PTA0060	Reaper Trend	28	32	4	0	45	0.07	1	2	31	0	233	113	1
20PTA0060	Reaper Trend	60	64	4	2	17	0.04	0	3	16	0	222	63	1
20PTA0060	Reaper Trend	76	80	4	1	29	0.05	0	4	20	0	215	46	1
20PTA0060	Reaper Trend	80	82	2	2	22	0.05	0	4	20	0	261	35	1
20PTA0060	Reaper Trend	82	83	1	1	13	0.00	0	24	12	0	214	13	3
20PTA0061	Reaper Trend	32	36	4	0	41	0.11	1	17	13	0	227	76	3
20PTA0061	Reaper Trend	36	40	4	0	42	0.24	1	12	12	0	190	38	5
20PTA0061	Reaper Trend	40	44	4	1	68	0.10	1	25	22	0	247	24	4
20PTA0061	Reaper Trend	44	48	4	0	102	0.04	1	25	76	0	379	19	4
20PTA0061	Reaper Trend	48	52	4	2	78	0.09	1	9	75	0	337	44	5
20PTA0061	Reaper Trend	52	56	4	5	90	0.15	1	12	39	0	580	50	5
20PTA0061	Reaper Trend	56	60	4	4	62	0.05	1	13	26	0	268	22	3
20PTA0061	Reaper Trend	60	61	1	1	16	0.00	2	0	7	0	287	42	1
20PTA0062	Reaper Trend	67	68	1	1	25	0.00	0	0	6	0	258	31	2
20PTA0064	Reaper Trend	12	16	4	12	198	0.00	34	2	4	9	74	10	1
20PTA0064	Reaper Trend	16	20	4	13	98	0.00	29	1	14	33	165	10	1
20PTA0064	Reaper Trend	20	24	4	17	47	0.00	32	2	18	15	287	8	1
20PTA0064	Reaper Trend	24	28	4	86	31	0.03	91	1	15	34	183	8	1
20PTA0064	Reaper Trend	28	32	4	238	47	0.03	69	2	16	32	175	8	1



Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0064	Reaper Trend	32	36	4	17	32	0.05	9	1	12	0	101	5	1
20PTA0064	Reaper Trend	36	40	4	12	17	0.01	21	1	10	1	62	3	1
20PTA0064	Reaper Trend	40	41	1	21	19	0.01	42	2	13	3	130	4	3
20PTA0064	Reaper Trend	41	42	1	129	47	0.05	13	1	10	1	100	4	1
20PTA0064	Reaper Trend	42	43	1	132	62	0.07	259	1	8	0	68	6	1
20PTA0064	Reaper Trend	43	44	1	76	19	0.06	307	1	10	1	60	6	1
20PTA0064	Reaper Trend	44	45	1	54	9	0.04	385	1	27	4	78	5	2
20PTA0064	Reaper Trend	45	46	1	25	6	0.03	57	1	16	2	77	6	1
20PTA0064	Reaper Trend	46	47	1	12	9	0.03	47	1	12	1	62	5	1
20PTA0064	Reaper Trend	47	48	1	11	4	0.03	109	0	21	0	69	4	1
20PTA0064	Reaper Trend	48	49	1	13	3	0.09	21	0	17	2	63	6	1
20PTA0064	Reaper Trend	49	50	1	150	5	0.09	16	1	18	5	75	5	1
20PTA0064	Reaper Trend	50	51	1	361	3	0.03	123	3	12	100	148	5	2
20PTA0064	Reaper Trend	51	52	1	26	6	0.11	26	0	4	1	65	4	0
20PTA0064	Reaper Trend	52	53	1	209	5	0.03	87	3	14	133	146	5	2
20PTA0064	Reaper Trend	53	54	1	160	5	0.03	141	2	9	54	119	6	1
20PTA0064	Reaper Trend	54	55	1	118	2	0.02	126	1	8	21	138	5	1
20PTA0064	Reaper Trend	55	56	1	419	4	0.02	117	1	10	34	157	5	1
20PTA0064	Reaper Trend	56	57	1	172	10	0.07	57	2	9	28	193	9	1
20PTA0064	Reaper Trend	57	58	1	70	3	0.06	17	1	9	4	121	18	1
20PTA0064	Reaper Trend	58	59	1	142	5	0.04	73	2	18	106	197	5	2
20PTA0064	Reaper Trend	59	60	1	143	5	0.02	58	1	8	50	126	2	1
20PTA0064	Reaper Trend	60	61	1	276	13	0.07	41	1	14	11	78	4	1
20PTA0064	Reaper Trend	61	62	1	114	7	0.08	38	1	17	14	99	9	1
20PTA0064	Reaper Trend	62	63	1	85	11	0.03	76	2	11	33	90	4	2
20PTA0064	Reaper Trend	63	64	1	701	20	0.11	228	1	26	11	90	4	2
20PTA0064	Reaper Trend	64	65	1	187	6	0.05	101	1	12	10	87	4	1
20PTA0064	Reaper Trend	65	66	1	130	7	0.07	123	2	16	42	129	9	1
20PTA0064	Reaper Trend	66	67	1	110	26	0.14	58	1	8	12	66	4	1
20PTA0064	Reaper Trend	67	68	1	132	15	0.06	73	1	11	7	84	8	1
20PTA0064	Reaper Trend	68	69	1	130	30	0.10	50	1	7	3	68	6	1
20PTA0065	Reaper Trend	28	32	4	0	80	0.05	0	3	27	7	223	44	0
20PTA0067	Reaper Trend	45	46	1	35	4	0.03	2	3	19	2	132	25	1
20PTA0067	Reaper Trend	50	51	1	13	33	0.02	2	1	17	2	286	110	0
20PTA0067	Reaper Trend	51	52	1	30	32	0.02	2	0	17	3	258	155	0

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0067	Reaper Trend	52	56	4	14	11	0.01	1	1	10	3	171	25	0
20PTA0067	Reaper Trend	56	57	1	11	31	0.03	2	1	14	2	289	65	0
20PTA0067	Reaper Trend	57	58	1	0	38	0.00	3	0	12	0	260	30	1
20PTA0068	Reaper Trend	0	4	4	2	4	0.06	1	37	3	0	3	29	2
20PTA0068	Reaper Trend	4	8	4	1	2	0.01	0	37	1	0	5	16	1
20PTA0069	Reaper Trend East - Alcatraz	0	4	4	1	9	0.08	1	41	4	0	2	21	1
20PTA0069	Reaper Trend East - Alcatraz	4	8	4	0	2	0.00	0	27	1	0	1	15	1
20PTA0069	Reaper Trend East - Alcatraz	8	12	4	0	9	0.00	0	44	1	0	7	18	4
20PTA0069	Reaper Trend East - Alcatraz	24	28	4	0	34	0.01	0	13	2	0	11	11	14
20PTA0070	Reaper Trend East - Alcatraz	20	24	4	0	66	0.10	1	15	0	0	7	10	13
20PTA0070	Reaper Trend East - Alcatraz	40	44	4	0	56	0.21	1	13	6	0	99	17	10
20PTA0070	Reaper Trend East - Alcatraz	44	48	4	0	62	0.17	1	8	7	0	126	38	10
20PTA0070	Reaper Trend East - Alcatraz	48	52	4	0	67	0.16	1	15	8	0	116	31	11
20PTA0073	Reaper Trend East - Alcatraz	36	40	4	0	8	0.57	0	2	1	0	6	3	1
20PTA0073	Reaper Trend East - Alcatraz	40	44	4	0	9	0.53	0	1	2	0	11	9	1
20PTA0074	Reaper Trend East - Alcatraz	56	60	4	2	79	0.08	1	2	155	0	145	24	3
20PTA0075	Reaper Trend East - Alcatraz	0	4	4	2	9	0.15	1	40	3	0	3	26	2
20PTA0075	Reaper Trend East - Alcatraz	40	44	4	0	48	0.00	1	4	7	0	89	25	10
20PTA0075	Reaper Trend East - Alcatraz	71	72	1	3	74	0.00	3	24	38	10	201	65	10
20PTA0076	Reaper Trend East - Alcatraz	4	8	4	1	5	0.09	1	30	1	0	3	27	2

Hole ID	Target	From (m)	To (m)	Interval (m)	Gold (ppb)	Copper (ppm)	Silver (ppm)	Bismuth (ppm)	Arsenic (ppm)	Cobalt (ppm)	Tungsten (ppm)	Zinc (ppm)	Lead (ppm)	Mo (ppm)
20PTA0076	Reaper Trend East - Alcatraz	44	48	4	0	52	0.01	1	12	6	0	79	22	11
20PTA0076	Reaper Trend East - Alcatraz	48	52	4	0	54	0.01	1	18	5	0	91	22	18
20PTA0076	Reaper Trend East - Alcatraz	52	56	4	0	44	0.01	1	9	4	0	77	26	10
20PTA0079	Reaper Trend Far North	0	4	4	0	15	0.04	0	88	3	0	12	23	2
20PTA0079	Reaper Trend Far North	20	24	4	0	7	1.30	0	2	1	1	10	4	1

**Notes:** Table 1 assay results are individual sample interval results (i.e. not composites) due to the 2020 air core drill programme being reconnaissance geochemical greenfield exploration in nature

- Key downhole, length weighted significant intersections can be found in the body of the report.
- Intersections are down hole lengths, true widths not known with certainty, refer to JORC Table 1 Section 2.

**Table 2: Paterson Project Air Core Drill Hole Collar Locations (MGA Zone 51/GDA 20)**

Hole ID	Deposit / Target Area	Hole Type	Northing (m)	Easting (m)	RL (m)	Hole Depth (m)	Azimuth (°)	Dip (°)	Assay Status
20PTA0001	Grey/Tupelo	AC	7666032	408806	294	34	0	-90	Received
20PTA0002	Grey/Tupelo	AC	7666184	409191	324	31	0	-90	Received
20PTA0003	Grey/Tupelo	AC	7666520	409609	302	51	0	-90	Received
20PTA0004	Grey/Tupelo	AC	7666361	409214	296	19	0	-90	Received
20PTA0005	Grey/Tupelo	AC	7665953	408127	295	26	0	-90	Received
20PTA0006	Grey/Tupelo	AC	7666061	408404	318	14	0	-90	Received
20PTA0007	Grey/Tupelo	AC	7666659	409086	302	25	0	-90	Received
20PTA0008	Grey/Tupelo	AC	7666558	408806	304	33	0	-90	Received
20PTA0009	Grey/Tupelo	AC	7666421	408407	296	17	0	-90	Received
20PTA0010	Grey/Tupelo	AC	7666270	408023	298	16	0	-90	Received
20PTA0011	Grey/Tupelo	AC	7666001	409612	300	31	0	-90	Received
20PTA0012	Grey/Tupelo	AC	7665568	408460	298	41	0	-90	Received
20PTA0013	Grey/Tupelo	AC	7665711	408815	284	29	0	-90	Received
20PTA0014	Grey/Tupelo	AC	7665945	410409	291	20	0	-90	Received
20PTA0015	Grey/Tupelo	AC	7665358	408794	304	47	0	-90	Received
20PTA0016	Grey/Tupelo	AC	7665475	409181	309	19	0	-90	Received
20PTA0017	Grey/Tupelo	AC	7665645	409597	296	25	0	-90	Received
20PTA0018	Grey/Tupelo	AC	7665186	409262	292	23	0	-90	Received
20PTA0019	Grey/Tupelo	AC	7665322	409603	283	19	0	-90	Received
20PTA0020	Grey/Tupelo	AC	7665624	410396	294	27	0	-90	Received
20PTA0021	Grey/Tupelo	AC	7666555	410824	312	33	0	-90	Received
20PTA0022	Grey/Tupelo	AC	7667237	408831	312	57	0	-90	Received
20PTA0023	Grey/Tupelo	AC	7667398	409253	303	47	0	-90	Received
20PTA0024	Grey/Tupelo	AC	7666871	409210	299	46	0	-90	Received
20PTA0025	Grey/Tupelo	AC	7667018	409607	307	40	0	-90	Received
20PTA0026	Grey/Tupelo	AC	7667170	410014	313	15	0	-90	Received
20PTA0027	Grey/Tupelo	AC	7666999	410421	307	20	0	-90	Received
20PTA0028	Grey/Tupelo	AC	7667792	408469	288	31	0	-90	Received
20PTA0029	Grey/Tupelo	AC	7667921	408807	303	32	0	-90	Received
20PTA0030	Grey/Tupelo	AC	7668140	408024	308	33	0	-90	Received
20PTA0031	Grey/Tupelo	AC	7668412	408760	302	35	0	-90	Received
20PTA0032	Grey/Tupelo	AC	7668290	408415	310	27	0	-90	Received
20PTA0033	Grey/Tupelo	AC	7668821	408355	304	29	0	-90	Received
20PTA0034	Reaper Trend South - Reno	AC	7667389	418407	315	39	0	-90	Received

Hole ID	Deposit / Target Area	Hole Type	Northing (m)	Easting (m)	RL (m)	Hole Depth (m)	Azimuth (°)	Dip (°)	Assay Status
20PTA0035	Reaper Trend South - Reno	AC	7667205	417731	302	72	0	-90	Received
20PTA0036	Reaper Trend South - Reno	AC	7668278	418008	324	72	0	-90	Received
20PTA0037	Reaper Trend South - Reno	AC	7667861	417278	312	89	0	-90	Received
20PTA0038	Reaper Trend South - Reno	AC	7667661	417605	318	67	0	-90	Received
20PTA0039	Reaper Trend South - Reno	AC	7668931	417604	325	42	0	-90	Received
20PTA0040	Reaper Trend	AC	7669946	417379	315	50	0	-90	Received
20PTA0041	Reaper Trend	AC	7669766	417092	326	53	0	-90	Received
20PTA0042	Reaper Trend	AC	7670034	416598	310	64	0	-90	Received
20PTA0043	Reaper Trend	AC	7670160	416806	304	66	0	-90	Received
20PTA0044	Reaper Trend	AC	7670392	417219	304	85	0	-90	Received
20PTA0045	Reaper Trend	AC	7670786	417033	311	96	0	-90	Received
20PTA0046	Reaper Trend	AC	7670673	416795	318	99	0	-90	Received
20PTA0047	Reaper Trend	AC	7670256	416085	315	90	0	-90	Received
20PTA0048	Reaper Trend	AC	7670429	416402	315	48	0	-90	Received
20PTA0049	Reaper Trend	AC	7670634	416015	315	58	0	-90	Received
20PTA0050	Reaper Trend	AC	7670858	416406	315	63	0	-90	Received
20PTA0051	Reaper Trend	AC	7671044	416765	315	70	0	-90	Received
20PTA0052	Reaper Trend	AC	7671198	416392	315	102	0	-90	Received
20PTA0053	Reaper Trend	AC	7670984	416010	315	61	0	-90	Received
20PTA0054	Reaper Trend	AC	7670853	415800	315	78	0	-90	Received
20PTA0055	Reaper Trend	AC	7671105	415395	315	55	0	-90	Received
20PTA0056	Reaper Trend	AC	7671240	415609	315	100	0	-90	Received
20PTA0057	Reaper Trend	AC	7671674	416373	337	60	0	-90	Received
20PTA0058	Reaper Trend	AC	7671530	416128	299	39	0	-90	Received
20PTA0059	Reaper Trend	AC	7671893	416773	311	72	0	-90	Received
20PTA0060	Reaper Trend	AC	7671337	416634	306	83	0	-90	Received
20PTA0061	Reaper Trend	AC	7671455	416800	302	61	0	-90	Received
20PTA0062	Reaper Trend	AC	7672183	416399	297	68	0	-90	Received
20PTA0063	Reaper Trend	AC	7671953	415988	303	65	0	-90	Received
20PTA0064	Reaper Trend	AC	7671674	415605	300	70	0	-90	Received
20PTA0065	Reaper Trend	AC	7672247	415605	300	47	0	-90	Received
20PTA0066	Reaper Trend	AC	7672014	415194	300	50	0	-90	Received
20PTA0067	Reaper Trend	AC	7672583	415208	300	58	0	-90	Received
	Reaper Trend								
20PTA0068	Reaper Trend	AC	7672378	414812	300	65	0	-90	Received



Hole ID	Deposit / Target Area	Hole Type	Northing (m)	Easting (m)	RL (m)	Hole Depth (m)	Azimuth (°)	Dip (°)	Assay Status
20PTA0069	Reaper Trend East - Alcatraz	AC	7671982	417889	300	75	0	-90	Received
20PTA0070	Reaper Trend East - Alcatraz	AC	7672152	418274	308	88	0	-90	Received
20PTA0071	Reaper Trend East - Alcatraz	AC	7672819	415616	275	67	0	-90	Received
20PTA0072	Reaper Trend East - Alcatraz	AC	7673016	416004	307	89	0	-90	Received
20PTA0073	Reaper Trend East - Alcatraz	AC	7672660	415995	303	97	0	-90	Received
20PTA0074	Reaper Trend East - Alcatraz	AC	7672850	416333	316	75	0	-90	Received
20PTA0075	Reaper Trend East - Alcatraz	AC	7672672	417603	303	72	0	-90	Received
20PTA0076	Reaper Trend East - Alcatraz	AC	7672819	417951	316	96	0	-90	Received
20PTA0077	Reaper Trend Far North	AC	7676624	413204	315	52	0	-90	Received
20PTA0078	Reaper Trend Far North	AC	7676949	413603	315	76	0	-90	Received
20PTA0079	Reaper Trend Far North	AC	7677278	414005	315	80	0	-90	Received

**Notes: Drill Hole Collar Table:**

- Refer to JORC Table 1 Section 1 for full drill hole information; including drill technique, sampling, and analytical details.

**PATERSON PROVINCE – 2020 Air Core Drill Hole Sampling**

**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	<ul style="list-style-type: none"> <li>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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>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.</li> </ul>	<p><b>2020 Air Core (AC)</b></p> <ul style="list-style-type: none"> <li>Prospects/targets have been sampled by 79 AC drill holes, totaling 4216 m, with an average drill hole depth of 54 m.</li> <li>Assays have been received for all 79 of the 2020 AC.</li> <li>AC drill holes were generally drilled on a range of hole spacings along line and across line, testing geophysical (AEM ± aeromagnetic) ± geochemical targets.</li> <li>Drill hole locations and orientations for all 2020 holes are tabulated in the body of this report.</li> </ul> <p><b>AC Sampling</b></p> <ul style="list-style-type: none"> <li>AC Sampling was carried out under Antipa protocols and QAQC procedures as per industry best practice.</li> <li>One metre samples were collected from a cyclone into a plastic bucket and then laid out on the ground in rows of 10.</li> <li>Compositing AC samples in lengths between 2 to 4 m was undertaken via combining 'Spear' samples of the 1.0 m intervals to generate a 2 kg (average) sample. Areas of anomalous portable XRF Device (Niton or Olympus) ('pXRF') results or zones of encouraging geological observations were sampled as single metres via 'Spear' sample collection for AC drill holes.</li> <li>All samples are pulverised at the laboratory to produce material for assay.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>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).</li> </ul>	<p><b>Air Core (AC) Drilling</b></p> <ul style="list-style-type: none"> <li>AC drilling were undertaken with a Bostech Drillboss 200 4WD truck mounted rig; drill depth capacity of approximately 150 m with an on-board compressor producing 600 cfm at 250 psi and separate axillary booster to 1400 cfm at 700 psi.</li> <li>All drill holes were completed using an 85 mm AC blade.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>AC sample recovery and sample quality were recorded via visual estimation of sample volume and condition of the drill spoils.</li> <li>AC sample recovery typically ranges from 90 to 100%, with only very occasional samples with less than 70% recovery.</li> <li>AC sample recovery was maximized by endeavoring to maintain a dry drilling conditions as much as practicable; the AC samples were almost exclusively dry.</li> <li>Relationships between recovery and grade are not evident and are not expected given the generally excellent and consistently high sample recovery.</li> <li>AC results are generated for the purpose of exploration and potentially for Mineral Resource estimations.</li> </ul>

Criteria	JORC Code explanation	Commentary
Logging	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>• The total length and percentage of the relevant intersections logged.</li> </ul>	<p><b>AC Drill Logging</b></p> <ul style="list-style-type: none"> <li>• Geological logging of 100% of all AC sample intervals was carried out recording colour, weathering, lithology, mineralogy, alteration, veining and sulphides.</li> <li>• Logging includes both qualitative and quantitative components.</li> <li>• 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 Access SQL database.</li> <li>• AC samples were measured for magnetic susceptibility using a handheld Magnetic Susceptibility meter at 1 m intervals.</li> <li>• AC samples are generally analyzed in the field using a pXRF for the purposes of geochemical and lithological interpretation and the selection of sampling intervals.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>• If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>• For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>• Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>• Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<p><b>AC Samples</b></p> <ul style="list-style-type: none"> <li>• One metre samples were collected from a cyclone into a plastic bucket and then laid out on the ground in rows of 10 or 20.</li> <li>• Compositing AC samples of between 2 to 4 m was undertaken via combining 'Spear' samples of the intervals to generate a 2 kg (average) sample. Areas of anomalous pXRF results or anomalous geological observations were sampled as single metres.</li> <li>• All samples are pulverised at the laboratory to produce material for assay.</li> </ul> <p><b>AC Sample Preparation</b></p> <ul style="list-style-type: none"> <li>• Sample preparation of AC samples was completed at ALS laboratories in Perth following industry best practice in sample preparation involving oven drying, coarse crushing of the AC sample down to approximately 10 mm, followed by pulverisation of the entire sample (total prep) using Essa LM5 grinding mills to a grind size of 85% passing 75 µm and split into a sub-sample/s for analysis.</li> <li>• The sample sizes are considered to be appropriate to correctly represent the sulphide style of mineralisation encountered in the region, the thickness and consistency of the intersections and the sampling methodology.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>• 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.</li> <li>• 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</li> </ul>	<ul style="list-style-type: none"> <li>• The sample preparation technique for AC samples are documented by Antipa Mineral Ltd's standard procedures documents and is in line with industry standards in sample preparation.</li> <li>• The sample sizes are considered appropriate to represent mineralisation.</li> <li>• Sample preparation checks for fineness were carried out by the laboratory as part of its internal procedures.</li> </ul> <p><b>AC Analytical Techniques</b></p> <ul style="list-style-type: none"> <li>• All samples were submitted to ALS laboratory in Perth.</li> <li>• All samples were dried, crushed, pulverised and split to produce a sub-sample for a 25g sample</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>have been established.</i></p>	<p>which is digested and refluxed with nitric and hydrochloric ('aqua regia digest') acid suitable for weathered AC samples. Aqua regia can digest many different mineral types including most oxides, sulphides and carbonates but will not totally digest refractory or silicate minerals. Analytical analysis is performed with a combination of ICP–OES and ICP–MS (Au, Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Hf, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Pd, Pt, Rb, Re, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn and Zr).</p> <ul style="list-style-type: none"> <li>• For samples which returned Au greater than the upper detection limit with the aqua regia digest, a lead collection fire assay on a 50-gram sample with Atomic Absorption Spectroscopy was undertaken to determine gold content with a lower detection limit of 0.005ppm.</li> <li>• No geophysical tools were used to determine any element concentrations in this report.</li> <li>• Handheld portable XRF analyser (Niton XL3t 950 GOLDD+ or Olympus Professional) devices are used in the field to investigate and record geochemical data for internal analysis. However, due to 'spatial' accuracy/repeatability issues this data is generally not publicly reported for drill holes, other than for specific purposes/reasons.</li> <li>• Field QC procedures involve the use of commercial certified reference material (CRM's) for assay standards and blanks. Standards are inserted every 50 samples. The grade of the inserted standard is not revealed to the laboratory.</li> <li>• Repeat QC samples was utilised during the AC drilling programme with nominally two to three duplicate AC field samples per drill hole.</li> <li>• Inter laboratory cross-checks analysis programmes have not been conducted at this stage.</li> <li>• In addition to Antipa supplied CRM's, ALS includes in each sample batch assayed certified reference materials, blanks and up to 10% replicates.</li> <li>• Selected anomalous samples are re-digested and analysed to confirm results.</li> <li>• Based on laboratory assay results Antipa undertakes 1 m re-splits of selected mineralised 4 m composite samples.</li> </ul>
<p><i>Verification of sampling and assaying</i></p>	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Significant intersections have been visually verified by one or more alternative company personnel and/or contract employees.</li> <li>• 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.</li> <li>• No adjustments or calibrations have been made to any assay data collected.</li> </ul>
<p><i>Location of data points</i></p>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• km = kilometre; m = metre; mm = millimetre.</li> <li>• Drill hole collar locations are surveyed using a handheld Garmin 64S GPS which has an accuracy of ± 3 m.</li> <li>• The drilling co-ordinates are all in GDA94 MGA Zone 51 co-ordinates.</li> <li>• Vertical AC drill holes do not require for drill rig set-up azimuth checking.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>Inclined AC drill holes are checked for drill rig set-up azimuth using Suunto Sighting Compass from two directions.</li> <li>Drill hole inclination is set by the driller using a clinometer on the drill mast and checked by the geologist prior the drilling commencing.</li> <li>AC drill hole down hole surveys:               <ul style="list-style-type: none"> <li>No downhole surveys are undertaken for AC drill holes.</li> </ul> </li> <li>If defaulted, the topographic surface is set to 264m RL.</li> </ul>
<p><i>Data spacing and distribution</i></p>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>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.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>AC drill sample compositing is sometimes applied for the reporting of the exploration results.</li> <li>Regional Geophysical Targets (AEM ± aeromagnetic):               <ul style="list-style-type: none"> <li>Spacing was variable depending on target rank, target dimensions (along strike and/or across strike); if more than one drill line per target then drill lines were generally spaced approximately 250 to 750 m apart with an average drill hole spacing on each section between 50 to 100 m; and</li> <li>The typical section spacing/drill hole distribution is not considered adequate for the purpose of Mineral Resource estimation.</li> </ul> </li> </ul>
<p><i>Orientation of data in relation to geological structure</i></p>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>No consistent and/or documented material sampling bias resulting from a structural orientation has been identified for the “regional” geophysical targets at this point in time.</li> <li>However, both folding, multiple vein directions and faulting have been variously recorded in the region via diamond drilling and surface mapping.</li> </ul>
<p><i>Sample security</i></p>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>Chain of sample custody is managed by Antipa to ensure appropriate levels of sample security.</li> <li>Samples are stored on site and delivered by Antipa or their representatives to Port Hedland and subsequently by Toll Ipec Transport from Port Hedland to the assay laboratory in Perth.</li> </ul>
<p><i>Audits or reviews</i></p>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>Sampling techniques and procedures are regularly reviewed internally, as is the data.</li> <li>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.</li> </ul>

## PATERSON PROVINCE – 2020 Air Core Drill Hole Sampling

### Section 2 – Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <li><i>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.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>Tenement E45/3917 was applied for by Antipa Resources Pty Ltd on the 18th of May 2011 and was subsequently granted on the 18<sup>th</sup> of February 2014.</li> <li>In July 2020, a farm in agreement between Antipa Minerals and IGO Ltd was executed in respect to a 1,563 km<sup>2</sup> area in the Paterson Province, which has been named the Paterson Project. Tenement E45/3917 is included within the Paterson Project.</li> <li>A 1% net smelter royalty payable to Paladin Energy on the sale of product on all metals applies to tenements E45/3917.</li> <li>A 1% net smelter royalty payable to Yandal Investments Pty Ltd (Yandal) on the sale of product on all metals applies to Paterson Project tenements E45/2519 and E45/2524 as a condition of an Agreement with Yandal.</li> <li>Tenement E45/3917 is not subject to the Citadel Project Farm-in Agreement with Rio Tinto Exploration Pty Ltd.</li> <li>Tenement E45/3917 is contained completely within land where the Martu People have been determined to hold native title rights.</li> <li>Land Access and Exploration Agreements are in place with the Martu People.</li> <li>Antipa maintains a positive relationship with the Martu People, who are Native Title parties in the area.</li> <li>The tenements are in 'good standing' and no known impediments exist.</li> </ul>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <li><i>Acknowledgment and appraisal of exploration by other parties.</i></li> </ul>	<ul style="list-style-type: none"> <li>The exploration of Paterson Project area was variously conducted by the following major resources companies: <ul style="list-style-type: none"> <li>Prior to 1980 limited to no mineral exploration activities;</li> <li>Newmont (1984 to 1989);</li> <li>BHP Australia (1991 to 1997);</li> <li>MIM Exploration Pty Ltd (1990 to 1993);</li> <li>Newcrest (1987 to 2015);</li> <li>Antipa Minerals Ltd (2011 onwards); and</li> <li>Antipa and IGO Ltd (2020 onwards).</li> </ul> </li> </ul>
<i>Geology</i>	<ul style="list-style-type: none"> <li><i>Deposit type, geological setting and style of mineralisation.</i></li> </ul>	<p>Paterson Project Tenement Area:</p> <ul style="list-style-type: none"> <li>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 mineralisation in the region is interpreted to be granite related. The Paterson is a low-grade metamorphic terrane but local hydrothermal alteration and/or contact metamorphic mineral assemblages and styles are indicative of a high-temperature local environment. Mineralisation styles include vein, stockwork, breccia and skarns.</li> </ul>



Criteria	JORC Code explanation	Commentary
<p><i>Drill hole Information</i></p>	<ul style="list-style-type: none"> <li>• 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:               <ul style="list-style-type: none"> <li>• easting and northing of the drill hole collar</li> <li>• elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>• dip and azimuth of the hole</li> <li>• down hole length and interception depth</li> <li>• hole length.</li> </ul> </li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• A summary of all available information material to the understanding of the exploration region exploration results can be found in previous Western Australia (WA) DMIRS publicly available reports.</li> <li>• All the various technical and exploration reports are publicly accessible via the WA DMIRS' online WAMEX system.</li> <li>• The specific WA DMIRS WAMEX and other reports related to the exploration information the subject of this public disclosure have been referenced in previous public reports.</li> <li>• Antipa Minerals Ltd publicly disclosed reports provide details of all exploration completed by the Company since 2011; these reports are all available to view on <a href="http://www.antipaminerals.com.au">www.antipaminerals.com.au</a> and <a href="http://www.asx.com.au">www.asx.com.au</a>.</li> </ul>
<p><i>Data aggregation methods</i></p>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>• Any reported aggregated intervals have been length weighted.</li> <li>• No density or bulk density is available and so no density weighting has been applied when calculating aggregated intervals.</li> <li>• No top-cuts to gold or copper have been applied (unless specified otherwise).</li> <li>• Higher grade intervals of mineralisation internal to broader zones of mineralisation are reported as included intervals.</li> <li>• Metal equivalence is not used in this report.</li> </ul>
<p><i>Relationship between mineralisation widths and intercept lengths</i></p>	<ul style="list-style-type: none"> <li>• These relationships are particularly important in the reporting of Exploration Results.</li> <li>• If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>• 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').</li> </ul>	<ul style="list-style-type: none"> <li>• Regional Geophysical Targets (AEM ± aeromagnetic):               <ul style="list-style-type: none"> <li>• The drill section spacing and sampling, at this stage, is insufficient to establish the geometrical relationships between the drill holes and any mineralised structures.</li> <li>• 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.</li> </ul> </li> </ul>
<p><i>Diagrams</i></p>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• All appropriate maps and sections (with scales) and tabulations of intercepts are reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.</li> <li>• 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 <a href="http://www.antipaminerals.com.au">www.antipaminerals.com.au</a> and <a href="http://www.asx.com.au">www.asx.com.au</a>.</li> </ul>
<p><i>Balanced reporting</i></p>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• All significant results are reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.</li> <li>• Antipa Minerals Ltd publicly disclosed reports provide details of all significant exploration results generated by the Company since 2011; these reports are all available to view on</li> </ul>

Criteria	JORC Code explanation	Commentary
<p><i>Other substantive exploration data</i></p>	<ul style="list-style-type: none"> <li>• <i>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.</i></li> </ul>	<p><a href="http://www.antipaminerals.com.au">www.antipaminerals.com.au</a> and <a href="http://www.asx.com.au">www.asx.com.au</a>.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Antipa Minerals Ltd publicly disclosed reports provide details of all significant exploration results generated by the Company since 2011; these reports are all available to view on <a href="http://www.antipaminerals.com.au">www.antipaminerals.com.au</a> and <a href="http://www.asx.com.au">www.asx.com.au</a>.</li> <li>• Zones of mineralisation and associated waste material have not been measured for their bulk density.</li> </ul>
<p><i>Further work</i></p>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li>• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Planned further work: <ul style="list-style-type: none"> <li>• Further air core drill testing of mineral system trends;</li> <li>• Geochemical sampling and analysis;</li> <li>• Geophysical surveying;</li> <li>• Target identification;</li> <li>• Full geological interpretation including 3D modelling; and</li> <li>• Follow-up drill testing, including possible reverse circulation (RC) and diamond core, of priority targets.</li> </ul> </li> <li>• All appropriate maps and sections (with scales) and tabulations of intercepts are reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.</li> </ul>