

## RESOURCE DEFINITION DRILLING INCREASES MINYARI DEPOSIT CONFIDENCE

**100%-OWNED MINYARI DOME PROJECT**

### Highlights

- Phase 2 resource definition diamond drilling results confirm, and increase confidence in, Minyari deposit resource model
- Significant intersections include:
  - 22.0m at 5.2 g/t gold, 0.82% copper and 1.4 g/t silver from 420.0m down hole in 22MYD0524, including:
    - 7.6m at 12.4 g/t gold, 1.0% copper and 2.3 g/t silver from 432.0m
  - 59.0m at 2.3 g/t gold, 0.52% copper and 1.5 g/t silver from 217.0m down hole in 22MYD0526, including:
    - 21.0m at 4.0 g/t gold, 1.0% copper, 2.9 g/t silver and 0.09% cobalt from 232.0m
  - 10.0m at 3.3 g/t gold and 0.64% copper from 300.0m down hole in 22MYD0524, including:
    - 4.0m at 4.8 g/t gold, 0.90% copper and 1.1 g/t silver from 300.0m
  - 5.5m at 9.0 g/t gold, 0.68% copper and 1.8 g/t silver from 320.2m down hole in 22MYD0528, including:
    - 1.8m at 20.5 g/t gold, 0.87% copper, 4.0 g/t silver and 0.08% cobalt from 320.2m
- Updated Mineral Resource estimate for Minyari deposit expected Q2 CY2023
- Pre-Feasibility Study (PFS) workstreams for Minyari Dome Project advancing well, targeting completion by end Q4 CY2023
- Results from Phase 2 greenfield drilling of high-potential resource growth targets (including Minyari Deeps) and regional exploration targets expected in next two weeks
- Resource growth drilling programme planned for CY2023 and set to run in parallel with Minyari Dome PFS advancement

Antipa Minerals Limited (ASX: **AZY**) (**Antipa** or the **Company**) is pleased to announce assay results for the 2022 Phase 2 resource definition diamond drilling (**DD**) programme at its 100%-owned, 877km<sup>2</sup> Minyari Dome Project in Western Australia's Paterson Province (Figure 7). The Minyari Dome Project is located within 35km of Newcrest Mining's (**Newcrest**) Telfer gold-copper-silver mine and mineral processing facility and 54km along strike from Newcrest-Greatland Gold's Havieron gold-copper development project (Figure 8).

### Antipa's Managing Director, Roger Mason, commented:

*"The Phase 2 resource definition diamond drilling programme was designed to enable further classification upgrade to the existing Mineral Resource estimate for the flagship Minyari deposit. Pleasingly, these infill drilling results have provided confirmation of existing geological modelling of the Minyari deposit. An updated Mineral Resource estimate for Minyari, inclusive of these Phase 2 infill results, is expected to be completed in Q2 CY2023."*

*“Pre-Feasibility Study workstreams on the Minyari Dome Project continue to advance and are set to run in parallel with further extensive growth drilling on the Minyari tenure this year. We are targeting completion of the PFS late Q4 CY2023.”*

## 2022 Phase 2 Exploration Programme

The second phase of the Minyari Dome Project 2022 Exploration Programme involved approximately 9,000m of drilling which was completed in mid-December, comprising:

- resource definition DD programme for Minyari deposit (4,365m);
- resource growth DD programme testing high-potential extension targets (2,813m); and
- regional air core drill programme testing high-priority greenfield soil targets (1,400m).

This release outlines results from the resource definition DD programme. Results from the latter two programmes are expected to be released in the next two weeks.

## Resource Definition Diamond Core Drill Programme Results

The 2022 Phase 2 resource definition DD programme consisted of nine holes over 4,365m. The programme was undertaken to facilitate a targeted Mineral Resource classification upgrade to areas of the existing Minyari deposit from the Inferred to Indicated category.

Assay results returned have delivered strong confirmation of existing geological modelling of the Minyari deposit. For detailed information relating to the Phase 2 resource definition drill hole assay results refer to Tables 1 and 2 and Figures 1 to 6.

Significant intersections returned include:

- 22.0m at 5.2 g/t gold, 0.82% copper and 1.4 g/t silver from 420.0m down hole in 22MYD0524, including:
  - 7.6m at 12.4 g/t gold, 1.0% copper and 2.3 g/t silver from 432.0m
- 10.0m at 3.3 g/t gold and 0.64% copper from 300.0m down hole in 22MYD0524, including:
  - 4.0m at 4.8 g/t gold, 0.90% copper and 1.1 g/t silver from 300.0m
- 43.0m at 1.0 g/t gold and 0.11% copper from 183.0m down hole in 22MYD0524
- 59.0m at 2.3 g/t gold, 0.52% copper and 1.5 g/t silver from 217.0m down hole in 22MYD0526, including:
  - 21.0m at 4.0 g/t gold, 1.0% copper, 2.9 g/t silver and 0.09% cobalt from 232.0m; and
  - 6.0m at 4.1 g/t gold, 0.24% copper, 1.0 g/t silver and 0.09% cobalt from 269.0m
- 37.0m at 1.8 g/t gold and 0.14% copper from 451.0m down hole in 22MYD0526, including:
  - 2.0m at 16.8 g/t gold and 0.21% copper from 451.0m; and
  - 4.0m at 4.6 g/t gold, 0.80% copper and 1.7 g/t silver from 475.0m
- 5.5m at 9.0 g/t gold, 0.68% copper and 1.8 g/t silver from 320.2m down hole in 22MYD0528, including:
  - 1.8m at 20.5 g/t gold, 0.87% copper, 4.0 g/t silver and 0.08% cobalt from 320.2m
- 53.0m at 0.8 g/t gold and 0.12% copper from 171.0m down hole in 22MYD0528, including:
  - 14.8m at 1.8 g/t gold, 0.28% copper and 0.04% cobalt from 172.2m
- 10.0m at 3.2 g/t gold, 0.36% copper and 1.4 g/t silver from 505.0m down hole in 22MYD0519, including:
  - 4.0m at 6.9 g/t gold, 0.65% copper and 2.7 g/t silver from 512.0m
- 23.0m at 1.4 g/t gold and 0.19% copper from 582.0m down hole in 22MYD0519, including:
  - 1.0m at 11.1 g/t gold, 0.97% copper and 4.1 g/t silver from 599.0m
- 15.3m at 1.8 g/t gold, 0.21% copper and 0.12% cobalt from 138.7m down hole in 22MYD0530, including:
  - 2.0m at 10.7 g/t gold, 1.02% copper, 1.6 g/t silver and 0.77% cobalt from 150.0m.

**Updated Mineral Resource estimate**

Completion of an updated Mineral Resource estimate for Minyari is expected by late Q2 CY2023.

**Minyari Dome Project PFS Workstreams**

The Minyari Dome PFS workstreams are advancing well with a targeted completion by end Q4 CY2023. The PFS mine scheduling is expected to incorporate the next Mineral Resource estimate update for Minyari, as well as progress a range of other upside opportunities identified as part of the Minyari Dome Scoping Study.

Antipa has also applied for the future mine access road Miscellaneous Licence (L45/681) and five water exploration Miscellaneous Licences (L45/700 to L45/704) for groundwater supply to meet the mineral processing facility, camp, and other operational requirements.

**Release authorised by****Roger Mason****Managing Director**

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

**Roger Mason**

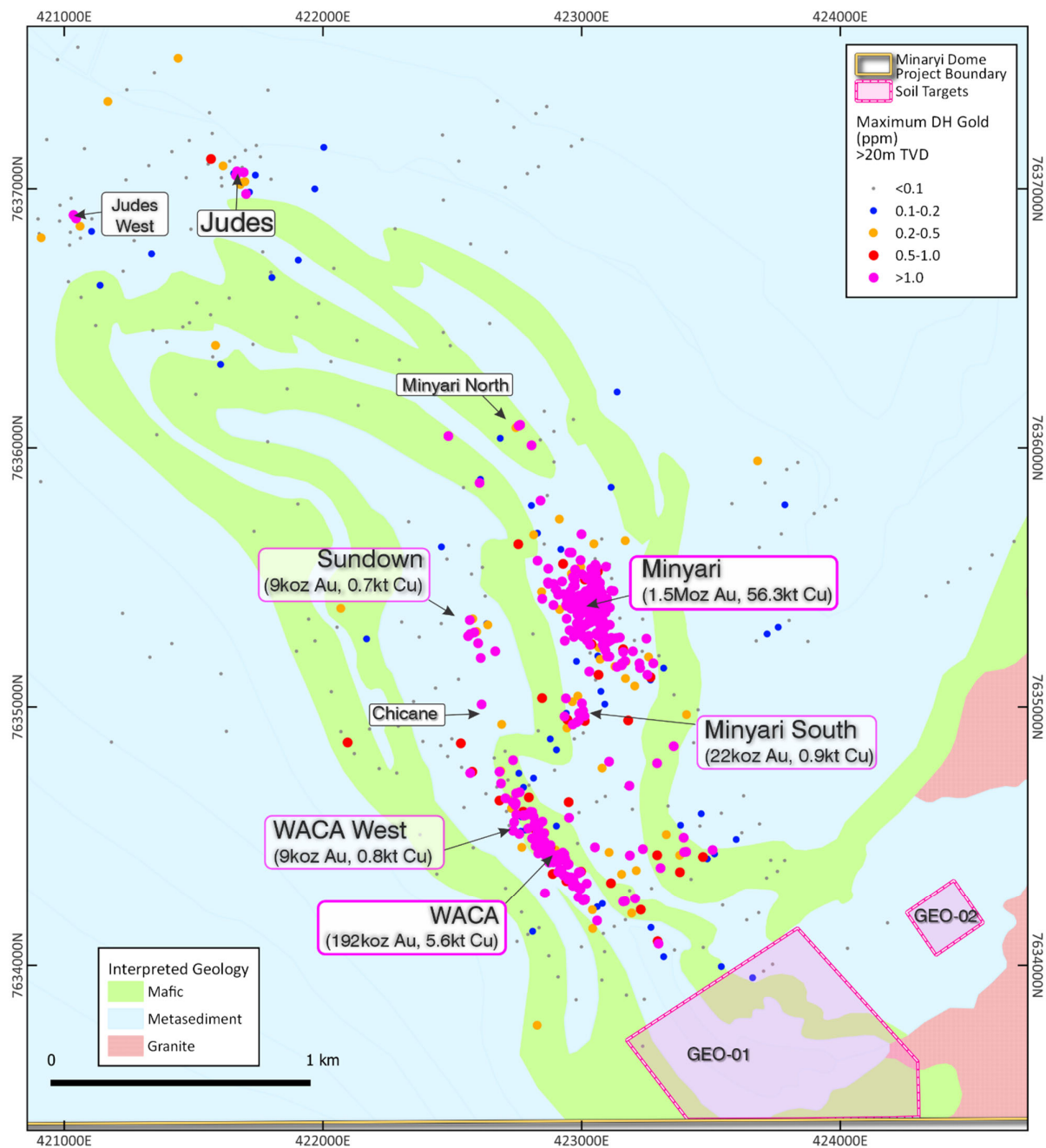
Managing Director  
Antipa Minerals Ltd  
+61 (0)8 9481 1103

**Mark Rodda**

Executive Director  
Antipa Minerals Ltd  
+61 (0)8 9481 1103

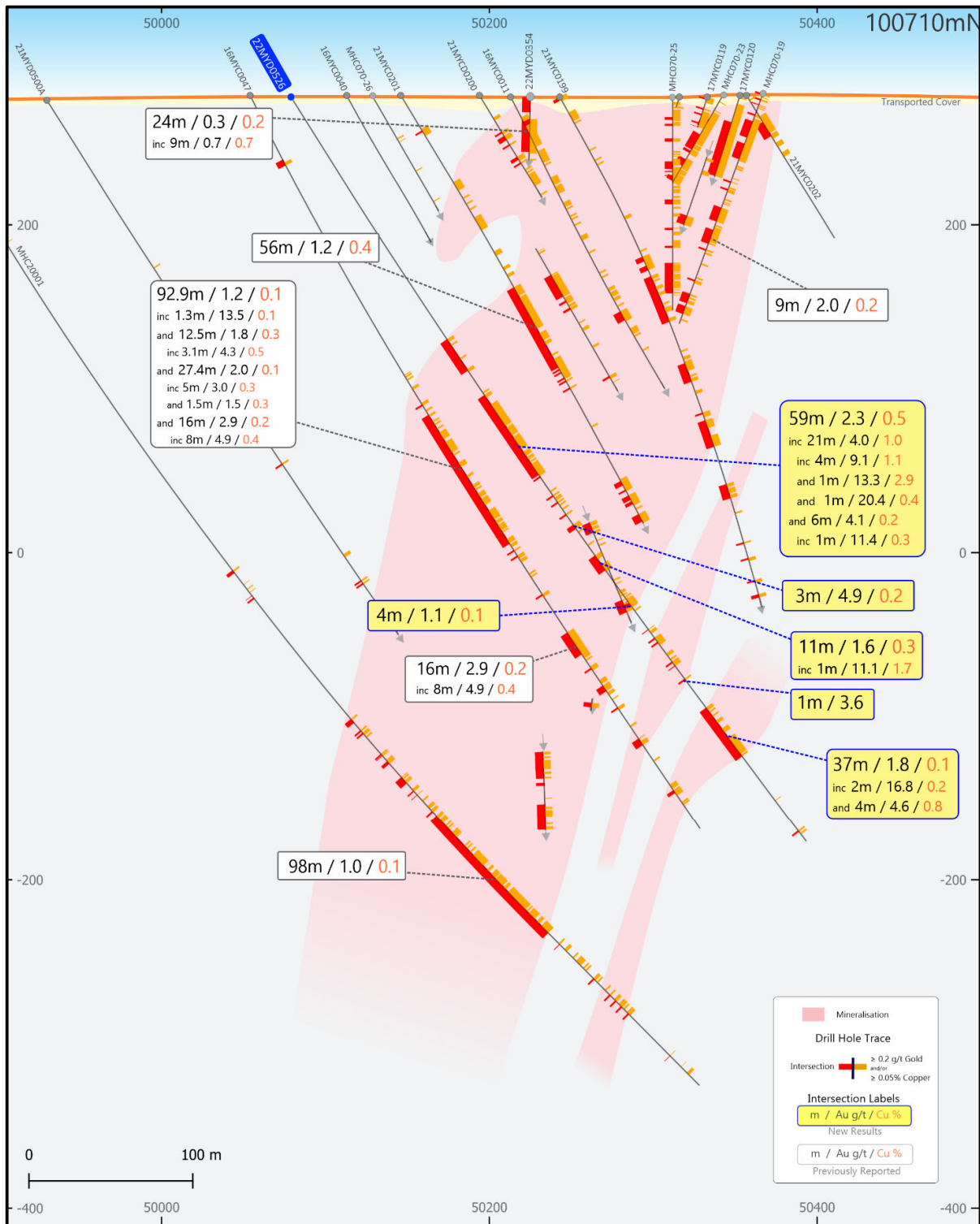
**Michael Vaughan**

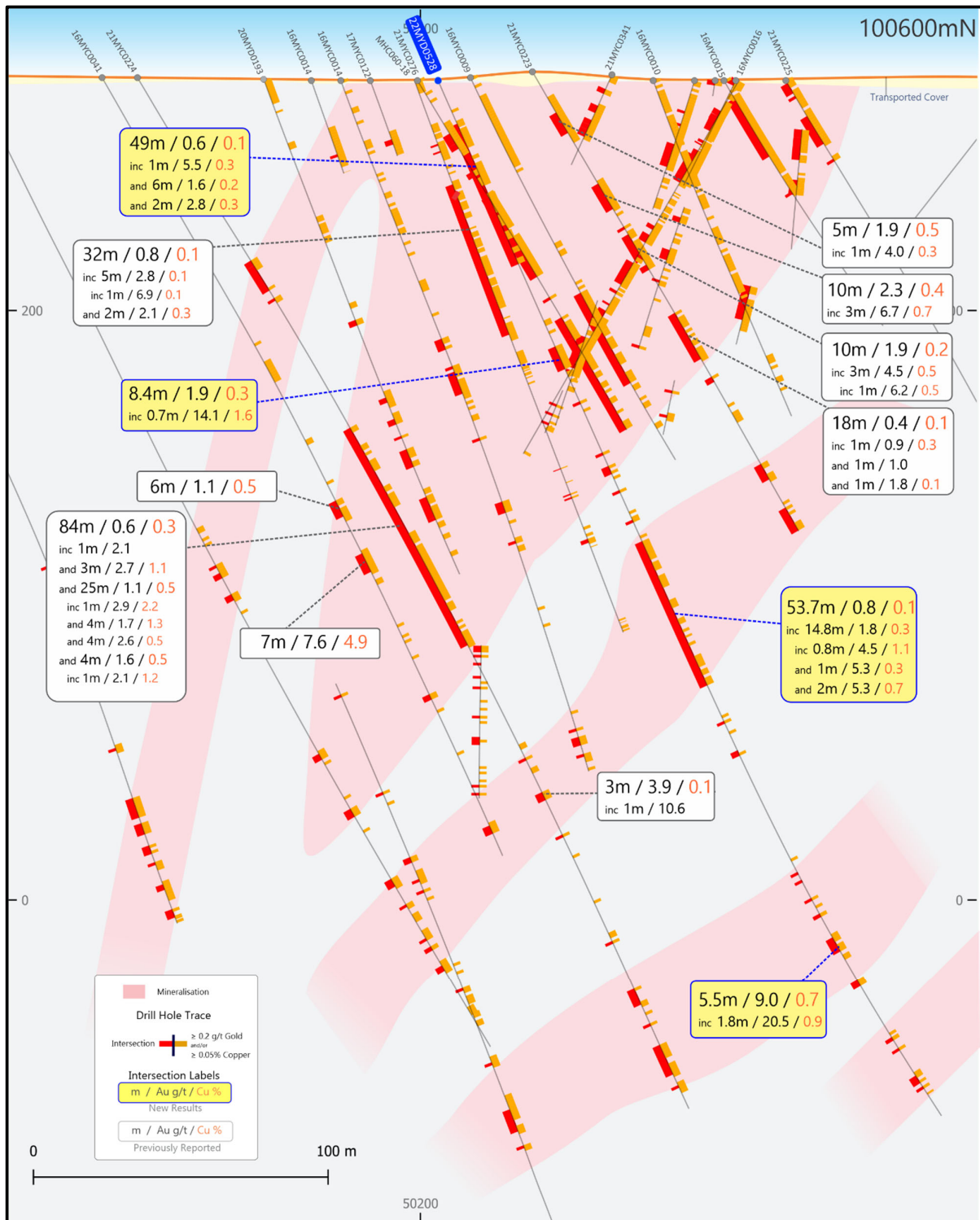
Media Relations  
Fivemark Partners  
+61 (0)422 602 720



**Figure 1: Map of the southern region of the Minyari Dome Project showing the resource locations, plus Minyari North, Chicane and other prospect locations, maximum down-hole gold drill results, and two priority soil geochemical anomalies GEO-01 and GEO-02. NB: Over interpreted geology base with a Regional GDA2020 / MGA Zone 51 co-ordinates, 1km grid.**

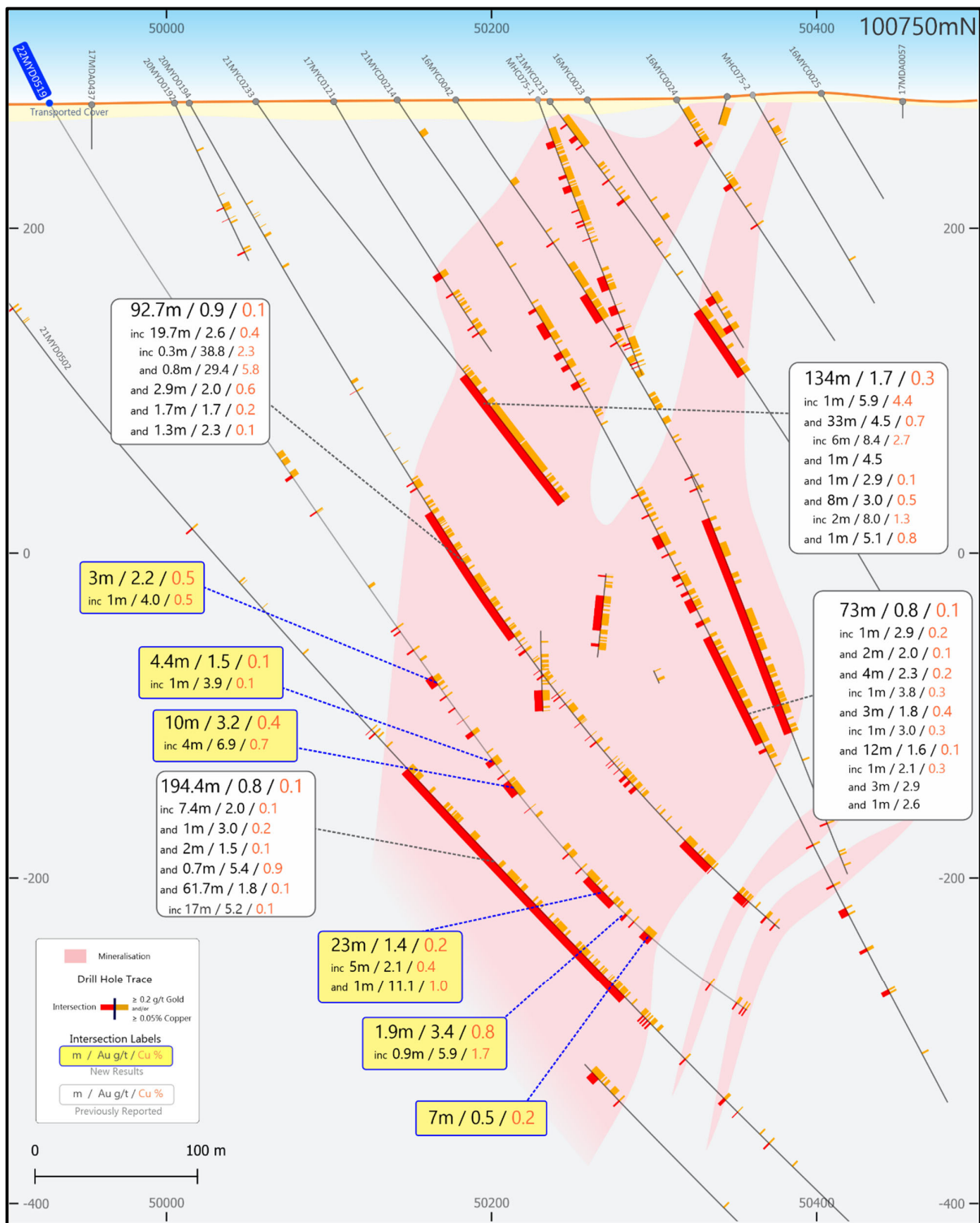






**Figure 3: Minyari deposit 100,600mN Cross-section showing gold-copper drill intercepts.**

NB: 200m Local Grid co-ordinates, looking toward Local Grid 360° (or 328° MGA Zone 51 Grid).



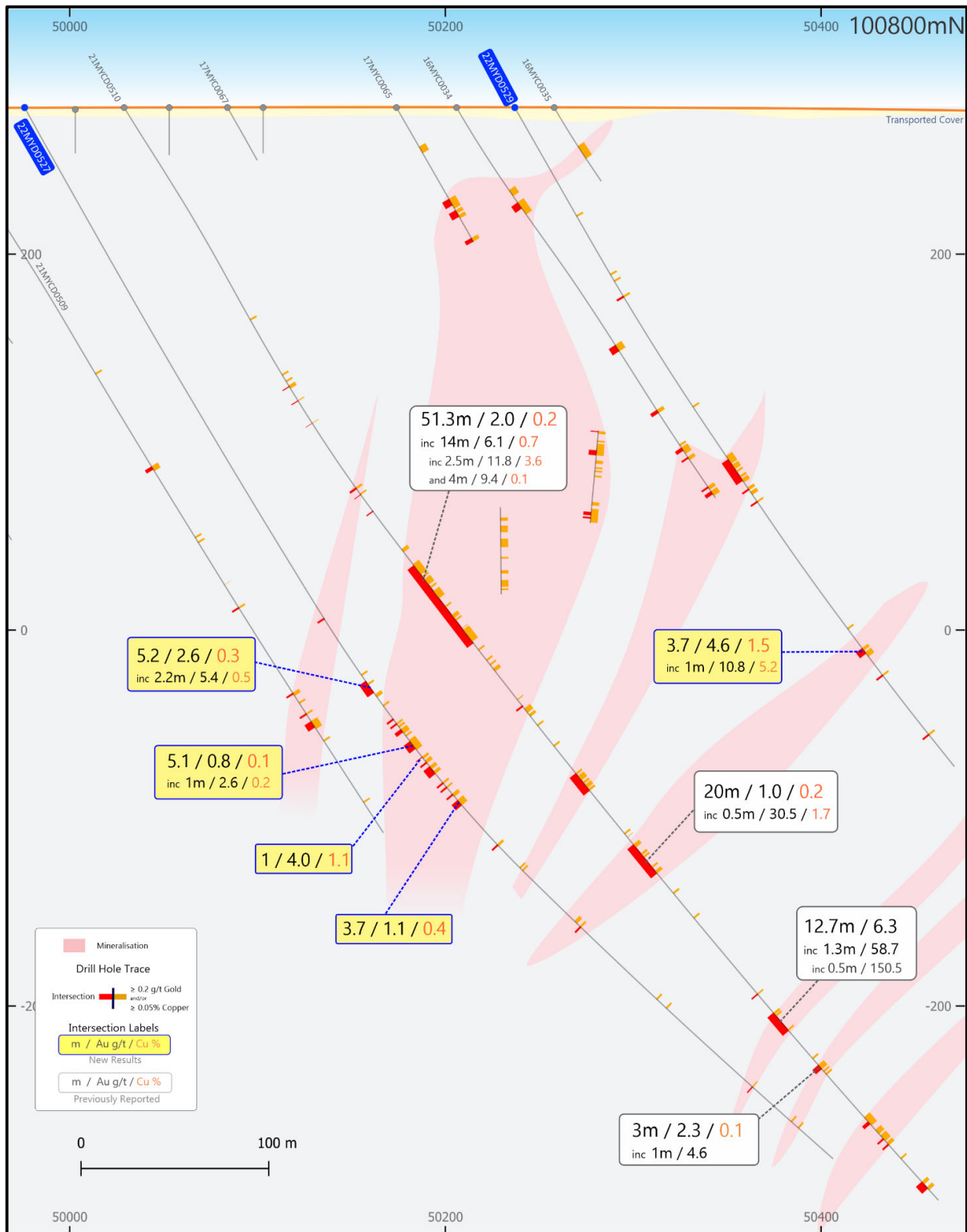
**Figure 4: Minyari deposit 100,750mN Cross-section showing gold-copper drill intercepts.**

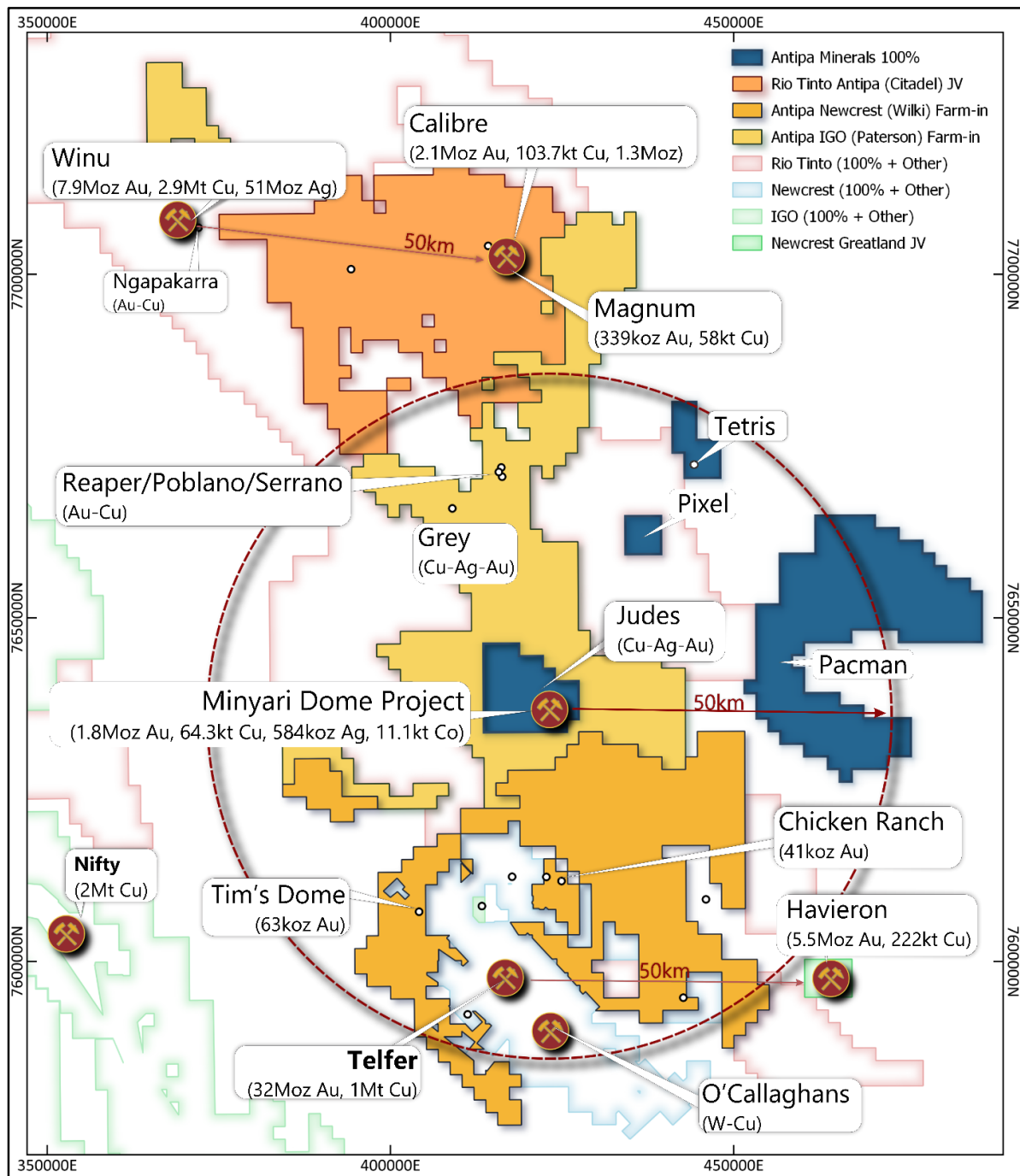
NB: 200m Local Grid co-ordinates, looking toward Local Grid 360° (or 328° MGA Zone 51 Grid).



8





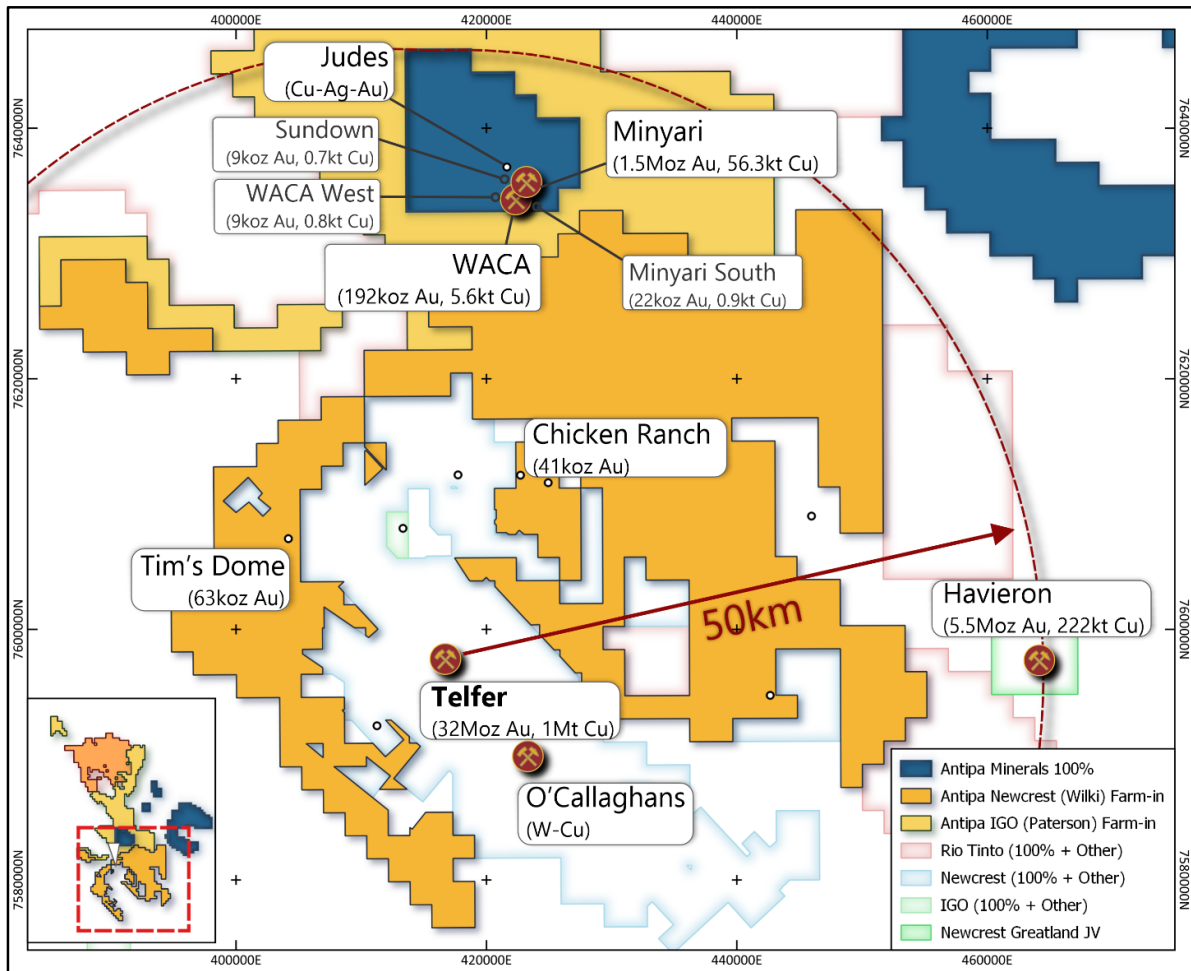


**Figure 7: Plan showing location of Antipa 100% owned tenements, Rio Tinto-Antipa Citadel Joint Venture Project, including the Calibre and Magnum resources. Also shows Antipa-Newcrest Wilki Farm-in, Antipa-IGO Paterson Farm-in, Newcrest Mining Ltd's Telfer Mine and O'Callaghans deposit, Rio Tinto's Winu deposit, Newcrest-Greatland Gold's Havieron deposit and Cyprium's Nifty Mine.**

NB: Rio and IGO tenement areas include related third-party Farm-in's/Joint Ventures.

NB: Regional GDA2020 / MGA Zone 51 co-ordinates, 50km grid.





**Figure 8: Project Location map showing Antipa's Minyari Dome (100%) Project and 35km proximity to Newcrest Mining Ltd's Telfer Gold-Copper-Silver mine and 22Mtpa processing facility.**

NB: Regional GDA2020 / MGA Zone 51 co-ordinates, 20km grid.

**Table 1: Minyari Dome Project - Drill Hole Intersections - Gold-Copper-Silver-Cobalt**

Hole ID	From (m)	To (m)	Interval (m)	Gold (g/t)	Copper (%)	Silver (g/t)	Cobalt (ppm)
22MYD0519	274.00	276.00	2.00	0.09	0.18	0.21	167
22MYD0519	301.00	302.00	1.00	0.92	0.01	0.13	13
22MYD0519	388.00	389.00	1.00	0.08	0.15	0.22	43
22MYD0519	391.00	392.00	1.00	0.13	0.03	0.04	1,050
22MYD0519	405.00	406.20	1.20	0.04	0.05	0.04	536
22MYD0519	425.00	432.00	7.00	0.38	0.04	0.10	1,160
22MYD0519	440.00	441.00	1.00	0.44	0.00	0.01	14
22MYD0519	449.00	450.00	1.00	0.04	0.00	0.01	829
22MYD0519	458.30	458.60	0.30	2.15	0.45	0.86	1,030
22MYD0519	467.00	470.00	3.00	2.22	0.46	1.43	1,085
Including	468.00	469.00	1.00	4.03	0.46	2.09	1,920
22MYD0519	488.00	492.41	4.41	1.48	0.05	0.08	895
Including	491.00	492.00	1.00	3.90	0.06	0.14	993
22MYD0519	492.41	496.00	3.59	0.13	0.01	0.03	783
22MYD0519	500.00	501.00	1.00	0.50	0.00	0.22	55
22MYD0519	505.00	515.00	10.00	3.20	0.36	1.41	370
Including	512.00	516.00	4.00	6.86	0.65	2.71	179
22MYD0519	526.60	527.00	0.40	0.43	0.10	0.25	106
22MYD0519	563.00	564.00	1.00	1.96	0.07	0.16	348
22MYD0519	575.00	576.00	1.00	3.30	0.00	0.21	10
22MYD0519	582.00	605.00	23.00	1.43	0.19	0.72	53
Including	582.00	587.00	5.00	2.07	0.43	1.56	120
Including	593.00	595.00	2.00	2.03	0.34	1.15	51
Including	599.00	600.00	1.00	11.10	0.97	4.14	164
22MYD0519	614.10	616.00	1.90	3.44	0.81	1.99	51
Including	614.10	615.00	0.90	5.89	1.67	4.06	95
22MYD0519	621.00	622.00	1.00	0.15	0.20	0.57	33
22MYD0519	630.00	637.00	7.00	0.45	0.17	0.53	50
22MYD0519	682.00	683.00	1.00	0.13	0.16	0.24	21
22MYD0519	702.00	703.00	1.00	0.17	0.42	0.15	18
22MYD0519	707.00	708.00	1.00	0.63	0.04	0.05	16
22MYD0519	709.00	709.90	0.90	1.33	0.01	0.03	11
22MYD0524	84.00	85.00	1.00	0.02	0.37	0.41	1,705
22MYD0524	95.00	97.00	2.00	0.01	0.03	0.06	600
22MYD0524	103.00	111.00	8.00	0.01	0.01	0.03	657
22MYD0524	119.00	133.25	14.25	0.05	0.04	0.09	438
22MYD0524	173.00	174.00	1.00	0.04	0.03	0.03	578
22MYD0524	174.00	176.00	2.00	0.12	0.14	0.22	227
22MYD0524	183.00	226.00	43.00	1.02	0.11	0.41	193
Including	195.00	201.00	6.00	2.05	0.31	1.60	271
Including	216.00	217.00	1.00	6.62	0.47	1.36	1,010
Including	220.00	221.00	1.00	3.70	0.26	0.31	337
22MYD0524	240.00	241.00	1.00	0.60	0.14	1.43	32
22MYD0524	241.00	242.00	1.00	0.07	0.10	0.13	74
22MYD0524	252.00	253.00	1.00	0.12	0.13	0.17	48
22MYD0524	253.00	254.00	1.00	3.18	0.43	1.12	404
22MYD0524	280.00	281.00	1.00	0.28	0.11	0.18	44
22MYD0524	282.00	283.00	1.00	0.47	0.40	0.66	96
22MYD0524	290.00	292.00	2.00	0.20	0.13	0.25	82
22MYD0524	296.00	298.00	2.00	0.18	0.13	0.26	37
22MYD0524	300.00	310.00	10.00	3.32	0.64	0.97	105
Including	300.00	304.00	4.00	4.78	0.90	1.13	125
Also Incl.	300.00	301.00	1.00	9.29	2.29	2.58	317
Also Incl.	303.00	304.00	1.00	9.12	1.16	1.62	102
22MYD0524	335.13	336.00	0.87	0.60	0.02	0.09	20
22MYD0524	346.00	346.88	0.88	1.36	0.16	0.31	80
22MYD0524	353.00	354.00	1.00	0.90	0.28	0.48	68
22MYD0524	363.00	364.00	1.00	0.09	0.12	0.18	23
22MYD0524	374.00	381.00	7.00	2.63	0.49	0.77	127
Including	374.00	375.00	1.00	11.95	2.32	3.29	453
Including	380.00	381.00	1.00	5.74	0.63	1.28	138

Hole ID	From (m)	To (m)	Interval (m)	Gold (g/t)	Copper (%)	Silver (g/t)	Cobalt (ppm)
22MYD0524	381.00	382.00	1.00	0.14	0.10	0.18	36
22MYD0524	390.00	391.00	1.00	2.34	0.63	1.28	137
22MYD0524	406.00	409.00	3.00	2.07	0.08	0.18	281
22MYD0524	420.00	442.00	22.00	5.21	0.82	1.39	151
Including	431.96	439.57	7.61	12.39	1.04	2.25	190
Also Incl.	431.96	432.87	0.91	49.00	6.75	12.70	572
Also Incl.	439.00	439.57	0.57	30.40	0.69	1.29	424
22MYD0524	452.00	454.00	2.00	0.66	0.03	0.02	40
22MYD0524	459.00	460.00	1.00	2.12	0.07	0.17	42
22MYD0524	486.00	487.00	1.00	3.01	0.03	0.07	16
22MYD0524	498.00	499.00	1.00	0.17	0.10	0.21	21
22MYD0524	507.00	507.90	0.90	0.28	0.26	0.46	46
22MYD0526	176.00	199.00	23.00	0.09	0.02	0.05	481
22MYD0526	217.00	276.00	59.00	2.32	0.52	1.54	551
Including	218.00	219.00	1.00	6.34	0.75	2.46	286
Including	232.00	253.00	21.00	4.01	0.99	2.86	925
Also Incl.	232.00	236.00	4.00	9.08	1.14	25.70	133
Also Incl.	243.00	244.00	1.00	13.30	2.90	8.07	1,865
Also Incl.	251.00	252.00	1.00	20.40	0.39	4.15	301
Including	269.00	275.00	6.00	4.13	0.24	0.96	875
Also Incl.	273.00	274.00	1.00	11.40	0.34	0.70	1,105
22MYD0526	277.00	278.00	1.00	0.12	0.00	0.08	1,090
22MYD0526	291.00	292.00	1.00	0.56	0.12	0.39	235
22MYD0526	296.00	297.00	1.00	0.17	0.11	0.23	29
22MYD0526	305.00	306.00	1.00	0.99	0.46	1.38	143
22MYD0526	313.00	316.00	3.00	4.90	0.18	0.64	82
22MYD0526	336.00	347.00	11.00	1.58	0.30	0.53	104
Including	336.00	337.00	1.00	11.05	1.66	2.48	156
22MYD0526	370.00	374.00	4.00	1.12	0.10	0.24	72
22MYD0526	374.00	375.00	1.00	0.19	0.10	0.16	35.00
22MYD0526	391.55	392.00	0.45	2.16	0.90	1.57	117
22MYD0526	398.00	399.00	1.00	0.35	0.11	0.09	112
22MYD0526	401.00	402.00	1.00	0.59	0.06	0.05	49
22MYD0526	416.00	417.00	1.00	0.81	0.13	0.28	52
22MYD0526	419.00	419.47	0.47	1.07	0.03	0.10	44
22MYD0526	429.00	430.00	1.00	3.60	0.00	0.03	18
22MYD0526	451.00	488.00	37.00	1.79	0.14	0.34	47
Including	451.00	453.00	2.00	16.78	0.21	0.73	47
Including	475.00	479.00	4.00	4.61	0.80	1.65	116
22MYD0526	545.00	546.00	1.00	0.65	0.11	0.32	51
22MYD0527	315.00	316.00	1.00	0.02	0.00	0.11	678
22MYD0527	355.22	363.00	7.78	0.06	0.03	0.09	485
22MYD0527	379.92	381.00	1.08	0.03	0.03	0.07	551
22MYD0527	383.00	384.00	1.00	0.08	0.05	0.14	540
22MYD0527	387.00	389.10	2.10	0.50	0.07	0.22	866
22MYD0527	389.10	390.00	1.00	0.04	0.05	0.19	740
22MYD0527	392.00	393.00	1.00	0.10	0.03	0.15	413
22MYD0527	394.36	395.00	1.00	0.34	0.19	0.63	764
22MYD0527	395.00	400.17	5.17	2.56	0.29	1.36	803
Including	398.00	400.17	2.17	5.43	0.53	2.68	1,146
22MYD0527	405.55	406.00	0.45	0.14	0.11	0.45	202
22MYD0527	409.00	410.00	1.00	0.13	0.10	0.63	130
22MYD0527	412.00	417.13	5.13	0.75	0.07	0.28	295
Including	413.00	414.00	1.00	2.63	0.17	0.71	365
22MYD0527	423.00	424.00	1.00	3.95	1.05	2.57	255
22MYD0527	426.00	427.00	1.00	0.03	0.10	0.26	211
22MYD0527	431.00	432.00	1.00	1.01	0.64	2.57	101
22MYD0527	435.35	439.00	3.65	1.06	0.40	1.12	108
22MYD0527	467.00	468.00	1.00	0.16	0.19	0.76	33
22MYD0527	529.00	530.00	1.00	1.00	0.37	1.38	221
22MYD0527	654.32	655.00	0.68	0.41	0.00	0.01	6
22MYD0528	0.00	2.00	2.00	0.13	0.00	1.07	10
22MYD0528	16.00	19.00	3.00	0.09	0.11	0.04	26

Hole ID	From (m)	To (m)	Interval (m)	Gold (g/t)	Copper (%)	Silver (g/t)	Cobalt (ppm)
22MYD0528	19.00	68.00	49.00	0.62	0.09	0.21	86
Including	19.00	20.00	1.00	5.46	0.25	0.18	100
Including	43.00	49.00	6.00	1.55	0.15	0.33	115
Including	66.00	68.00	2.00	2.80	0.28	1.16	99
22MYD0528	98.60	107.00	8.40	1.85	0.30	0.54	489
Including	98.60	99.25	0.65	14.05	1.64	2.76	2,310
22MYD0528	119.00	120.00	1.00	0.28	0.01	0.01	878
22MYD0528	138.00	139.00	1.00	0.52	0.01	0.05	1,345
22MYD0528	143.00	146.00	3.00	0.22	0.04	0.10	703
22MYD0528	152.00	153.00	1.00	0.01	0.10	0.12	110
22MYD0528	162.00	163.00	1.00	0.78	0.03	0.04	227
22MYD0528	171.00	224.70	53.70	0.81	0.12	0.28	149
Including	172.20	187.00	14.80	1.84	0.28	0.58	398
Also Incl.	172.20	173.00	0.80	4.50	1.12	2.24	1,425
Also Incl.	181.00	182.00	1.00	5.29	0.34	0.67	518
Also Incl.	185.00	187.00	2.00	5.28	0.72	1.56	698
Including	223.60	224.70	1.10	5.71	0.21	0.97	286
22MYD0528	238.00	239.00	1.00	0.90	0.09	0.23	121
22MYD0528	249.00	250.00	1.00	0.13	0.01	0.03	30
22MYD0528	250.00	251.00	1.00	0.13	0.13	0.25	186
22MYD0528	295.00	296.00	1.00	0.04	0.00	0.01	995
22MYD0528	298.00	299.00	1.00	0.11	0.01	0.02	415
22MYD0528	305.00	306.00	1.00	0.08	0.10	0.20	180
22MYD0528	311.00	312.30	1.30	1.31	0.03	0.06	359
22MYD0528	320.20	325.70	5.50	9.00	0.68	1.80	315
Including	320.20	322.00	1.80	20.46	0.87	3.99	748
22MYD0528	327.00	328.00	1.00	0.42	0.05	0.12	30
22MYD0528	337.00	339.40	2.40	1.14	0.14	0.30	89
22MYD0528	359.70	361.00	1.30	0.43	0.14	0.20	26
22MYD0528	364.00	365.00	1.00	1.66	0.98	0.83	100
22MYD0528	375.00	378.00	3.00	0.40	0.03	0.07	22
22MYD0528	379.30	380.30	1.00	0.10	0.15	0.19	85
22MYD0529	115.56	116.70	1.14	0.97	0.01	0.03	725
22MYD0529	219.00	233.00	14.00	0.14	0.09	0.11	75
22MYD0529	238.00	239.00	1.00	0.07	0.11	0.14	55
22MYD0529	246.00	247.00	1.00	1.83	0.01	0.06	28
22MYD0529	342.30	346.00	3.70	4.57	1.47	2.46	155
Including	345.00	346.00	1.00	10.75	5.16	8.17	491
22MYD0529	360.00	361.00	1.00	0.42	0.02	0.06	12
22MYD0529	400.00	401.00	1.00	0.97	0.18	0.01	30
22MYD0530	14.00	15.00	1.00	0.64	0.06	0.81	16
22MYD0530	19.00	27.00	8.00	0.41	0.14	0.09	168
Including	19.00	20.00	1.00	1.65	0.08	0.08	83
22MYD0530	28.00	29.00	1.00	0.20	0.14	0.14	332
22MYD0530	33.00	35.00	2.00	0.45	0.06	0.05	74
22MYD0530	105.00	124.77	19.77	0.81	0.16	0.24	555
Including	107.00	108.00	1.00	1.60	0.27	0.32	981
Including	111.70	114.00	2.30	2.22	0.45	0.60	1,268
Including	122.00	123.00	1.00	2.73	0.05	0.11	4,230
22MYD0530	138.70	154.00	15.30	1.83	0.21	0.36	1,189
Including	150.00	152.00	2.00	10.66	1.02	1.57	7,662
22MYD0530	202.00	203.10	1.10	0.93	0.00	0.05	91
22MYD0530	215.00	216.00	1.00	0.40	0.01	0.01	33
22MYD0530	220.00	221.00	1.00	1.24	0.02	0.03	24
22MYD0530	258.00	259.00	1.00	0.03	0.13	0.12	117
22MYD0530	260.00	261.00	1.00	0.03	0.11	0.06	140
22MYD0530	264.00	265.00	1.00	0.11	0.13	0.26	42
22MYD0530	275.00	285.85	10.85	2.02	0.31	0.55	98
Including	280.10	284.00	3.90	4.08	0.54	0.99	185
22MYD0530	292.00	295.00	3.00	4.29	0.20	0.25	45
Including	292.00	293.00	1.00	10.65	0.06	0.19	13
22MYD0530	308.75	314.00	5.25	2.60	0.43	0.65	57
Including	308.75	309.70	0.95	12.45	2.18	3.33	177

Hole ID	From (m)	To (m)	Interval (m)	Gold (g/t)	Copper (%)	Silver (g/t)	Cobalt (ppm)
22MYD0530	353.29	354.00	0.71	1.63	0.02	0.05	12
22MYD0531	75.90	77.00	1.10	0.25	0.13	0.18	63
22MYD0531	163.00	164.00	1.00	0.07	0.10	0.13	103
22MYD0531	245.70	247.00	1.30	2.60	4.00	14.20	532
22MYD0531	274.00	275.25	1.25	0.06	0.00	0.05	480
22MYD0531	297.00	298.00	1.00	1.99	0.14	0.85	310
22MYD0531	317.00	318.00	1.00	4.49	0.05	0.22	74
22MYD0531	318.00	319.00	1.00	0.09	0.11	0.25	67
22MYD0531	361.00	363.00	2.00	1.03	0.85	2.13	77
22MYD0531	436.00	440.00	4.00	0.42	0.00	0.06	104

**Notes:** Table 1 intersections are length-weighted assay intervals reported using the following criteria:

Intersection Interval = Nominal cut-off grade scenarios:

- $\geq 0.40$  ppm (g/t) gold; and/or
- $\geq 1,000$  ppm (0.10%) copper; and/or
- $\geq 1.00$  ppm (g/t) silver; and/or
- $\geq 400$  ppm (0.04%) cobalt;
- 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.

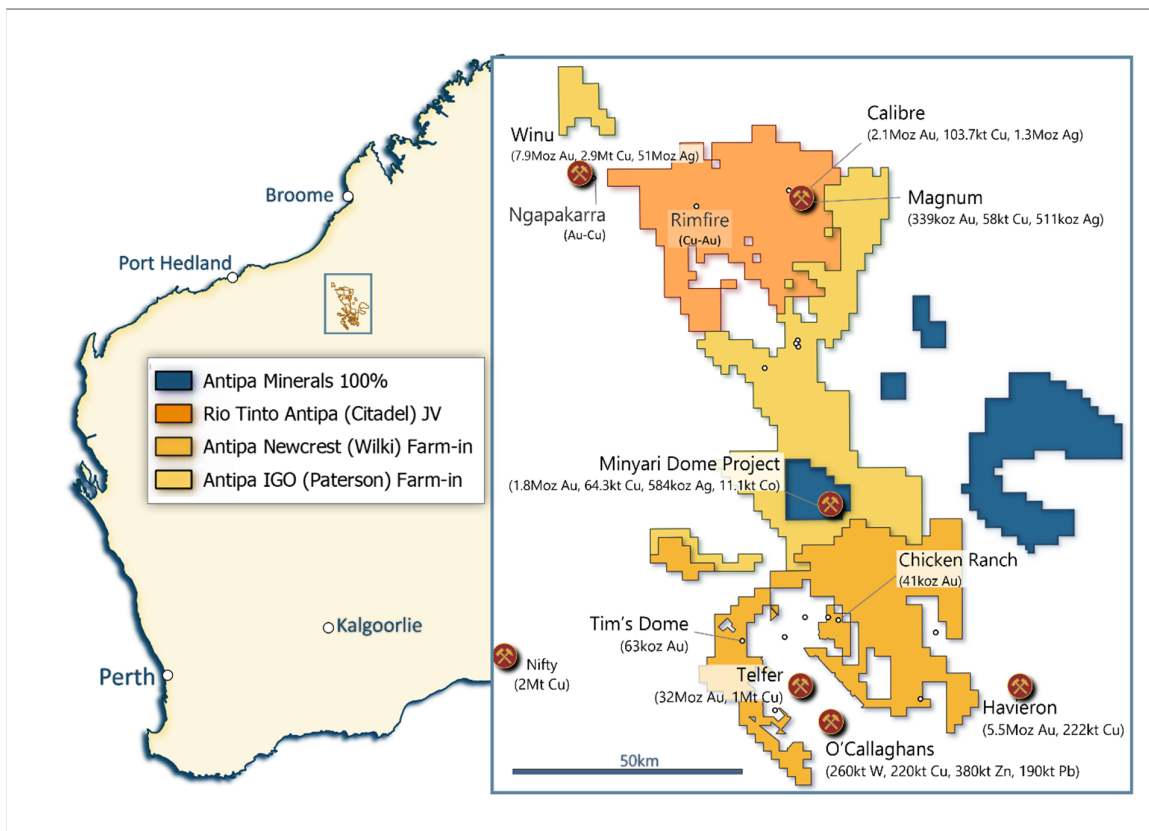
**Table 2: Minyari Dome Project – Drill Hole Collar Locations (MGA Zone 51/GDA 20)**

Hole ID	Target	Hole Type	Northing (m)	Easting (m)	RL (m)	Hole Depth (m)	Azimuth (°)	Dip (°)	Assay Status
22MYD0519	MY RD	DD	7635271	422692	277	710	050	-59	Received
22MYD0524	MY RD	DD	7635326	422889	277	508	055	-62	Received
22MYD0525	MY RD	DD	7635537	423056	278	254	330	-61	Received
22MYD0526	MY RD	DD	7635327	422836	279	553	053	-58	Received
22MYD0527	MY RD	DD	7635353	422697	278	713	055	-61	Received
22MYD0528	MY RD	DD	7635299	423002	278	391	052	-66	Received
22MYD0529	MY RD	DD	7635499	422914	277	423	053	-61	Received
22MYD0530	MY RD	DD	7635222	423008	277	372	053	-60	Received
22MYD0531	MY RD	DD	7635414	422700	279	441	054	-62	Received

\*MY = Minyari; RD = Mineral Resource Definition (ResDef)

**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.

**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, Newcrest-Greatland Gold's Havieron gold-copper deposit 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 ~5,100km<sup>2</sup>, including the ~1,200km<sup>2</sup> Citadel Joint Venture Project with Rio Tinto (who currently holds an estimated 68% joint venture interest), the ~1,470km<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). Antipa retains ~877km<sup>2</sup> of the 100%-owned Minyari Dome Project which contains a significant Mineral Resource, with the Minyari and WACA deposits containing 1.8 million ounces of gold and 64,300 tonnes of copper, and a Scoping Study Mining Inventory of 21.4 million tonnes at 1.6 g/t gold for 1.1 million ounces of gold, plus other deposits and high-quality exploration targets. The Citadel Project lies within 5km of the Winu deposit and contains a Mineral Resource of 2.4 million ounces of gold and 162,000 tonnes of copper from two deposits, Calibre and Magnum. Unlike certain parts of the Paterson where the post mineralisation (younger) cover can be kilometres thick, making for difficult exploration, the Company's combined ~5,100km<sup>2</sup> tenement portfolio features relatively shallow cover; approximately 80% being under less than 80 metres of cover. Extensive drilling programmes, geophysical and surface geochemical surveys are planned for 2023 across Antipa's combined Paterson tenement portfolio as the Company in conjunction with its major partners pursues a multi-layered strategy of targeting tier-one greenfields discoveries, growing existing resources through brownfields exploration and advancing potential development opportunities.



**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 undertaking to qualify as a Competent Person as defined in the 2012 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements, all of which are available to view on [www.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>North Telfer Project Update on Former NCM Mining Leases</i>	3 December 2015
• <i>High Grade Gold Mineralisation at Minyari Dome</i>	8 February 2016
• <i>Minyari Deposit Drilling to Commence May 2016</i>	2 May 2016
• <i>Minyari Phase 1 Drilling Commences</i>	2 June 2016
• <i>Further Historical High-grade Gold Intersections at Minyari</i>	14 June 2016
• <i>Minyari Reprocessed IP Survey Results</i>	5 July 2016
• <i>Minyari Phase 1 Drilling Update No. 1</i>	20 July 2016
• <i>Completion of Phase 1 Minyari Deposit RC Drilling Programme</i>	9 August 2016
• <i>Minyari Drilling Update No. 3</i>	17 August 2016
• <i>Minyari Drilling Update No. 4</i>	29 September 2016
• <i>Minyari Dome - Phase 2 Exploration Programme Commences</i>	31 October 2016
• <i>North Telfer and Citadel Exploration Programme Update</i>	16 November 2016
• <i>Minyari Dome Drilling Update No. 1</i>	16 December 2016
• <i>Minyari Dome and Citadel – Phase 2 Update</i>	9 February 2017
• <i>Minyari Dome 2017 Exploration Programme</i>	27 March 2017
• <i>Minyari Dome 2017 Phase 1 Exploration Programme Commences</i>	13 April 2017
• <i>Minyari Dome Positive Metallurgical Test Work Results</i>	13 June 2017
• <i>High-Grade Gold Intersected at North Telfer Project Revised</i>	21 June 2017
• <i>Drilling Extends High-Grade Gold Mineralisation at WACA</i>	25 July 2017
• <i>High-Grade Gold Mineralisation Strike Extension at Minyari Deposit</i>	4 August 2017
• <i>Minyari Dome Phase 1 Final Assay Results</i>	31 August 2017
• <i>Minyari/WACA Deposits Maiden Mineral Resource</i>	16 November 2017
• <i>Air Core Programme Highlights Minyari and WACA Deposit</i>	5 December 2017
• <i>Minyari Dome 2017 Air Core Drilling Results</i>	29 January 2018
• <i>Antipa to Commence Major Exploration Programme</i>	1 June 2018
• <i>Major Exploration Programme Commences</i>	25 June 2018
• <i>2018 Exploration Programme Update</i>	16 July 2018
• <i>Minyari Dome – Initial Drill Results</i>	1 August 2018
• <i>Thick High-grade Copper Mineralisation Intersected</i>	2 October 2018
• <i>Chicken Ranch and Minyari Dome Drilling Update</i>	15 November 2018
• <i>Multiple New Gold-Copper Targets on 100% Owned Ground</i>	23 December 2019
• <i>Commencement of Drilling Programmes at Minyari Dome Project</i>	2 October 2020
• <i>Drilling of New Targets Deliver Significant Au Intersections</i>	16 February 2021
• <i>Corporate Presentation - 121 APAC Conference - March 2021</i>	17 March 2021
• <i>High-Grade Gold Intersected at Minyari &amp; WACA Deposits</i>	7 April 2021
• <i>Corporate Presentation - Update April 2021</i>	12 April 2021
• <i>Commencement of Drilling at 100% Owned Minyari Project</i>	13 May 2021
• <i>Corporate Presentation - 121 EMEA Conference - May 2021</i>	25 May 2021
• <i>Corporate Presentation - Noosa Mining Conference - July 2021</i>	15 July 2021
• <i>Discovery of Significant Zones of High-Grade Gold at Minyari</i>	15 July 2021
• <i>Further High-Grade Gold Mineralisation at Minyari Deposit</i>	20 July 2021
• <i>Corporate Presentation - Diggers and Dealers - August 2021</i>	2 August 2021

• Further High-Grade Gold Results at 100% Minyari Deposit	12 August 2021
• Outstanding Gold Intersections at 100% Owned Minyari Deposit	6 September 2021
• Corporate Presentation - Beaver Creek PMS - September 21	8 September 2021
• Further High-Grade Gold Results at 100% Minyari Deposit	5 October 2021
• Significant Gold-Copper Discovery at 100% Minyari Project	19 October 2021
• Corporate Presentation - 121 APAC Conference	2 November 2021
• Further Significant Gold-Copper Discoveries at Minyari	29 November 2021
• Further High-Grade Gold Results at 100% Minyari Deposit	6 December 2021
• Further Outstanding High-Grade Gold Results at Minyari	3 February 2022
• Results Confirm High-Grade Gold-Copper at Depth at Minyari	3 March 2022
• Corporate Presentation - Euroz Hartleys Conference Presentation	9 March 2022
• Corporate Presentation - 121 APAC Conference Presentation	22 March 2022
• Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz	2 May 2022
• Corporate Presentation - Stockhead WA Gold Explorers Conference	12 May 2022
• Corporate Presentation - Australian Gold Conference	14 June 2022
• Corporate Presentation - Noosa Mining Conference	20 July 2022
• Discovery of Significant Zones of High-Grade Gold at Minyari	15 July 2021
• Further High-Grade Gold Mineralisation at Minyari Deposit	20 July 2021
• Corporate Presentation - Diggers and Dealers - August 2021	2 August 2021
• Further High-Grade Gold Results at 100% Minyari Deposit	12 August 2021
• Outstanding Gold Intersections at 100% Owned Minyari Deposit	6 September 2021
• Corporate Presentation - Beaver Creek PMS - September 21	8 September 2021
• Further High-Grade Gold Results at 100% Minyari Deposit	5 October 2021
• Significant Gold-Copper Discovery at 100% Minyari Project	19 October 2021
• Corporate Presentation - 121 APAC Conference	2 November 2021
• Further Significant Gold-Copper Discoveries at Minyari	29 November 2021
• Further High-Grade Gold Results at 100% Minyari Deposit	6 December 2021
• Further Outstanding High-Grade Gold Results at Minyari	3 February 2022
• Results Confirm High-Grade Gold-Copper at Depth at Minyari	3 March 2022
• Corporate Presentation - Euroz Hartleys Conference Presentation	9 March 2022
• Corporate Presentation - 121 APAC Conference Presentation	22 March 2022
• Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz	2 May 2022
• Corporate Presentation - Stockhead WA Gold Explorers Conference	12 May 2022
• Corporate Presentation - Australian Gold Conference	14 June 2022
• Corporate Presentation - Noosa Mining Conference	20 July 2022
• Drill Results Confirm High-Grade Gold at Minyari North	21 July 2022
• Corporate Presentation - Diggers and Dealers Conference	1 August 2022
• Strong Minyari Dome Scoping Study Outcomes	31 August 2022
• Scoping Study Presentation	31 August 2022
• Corporate Presentation - Beaver Creek Precious Metals Conference	13 September 2022
• Drilling Commenced at Minyari Plunge Extension Targets	13 October 2022
• Corporate Presentation - South-West Connect Conference Presentation	19 October 2022
• Minyari Drilling Identifies Resource Growth Opportunities	10 November 2022
• German Gold Show Conference Presentation	18 November 2022
• London 121 Mining Investment Conference Presentation	22 November 2022
• Investor Presentation - December 2022	1 December 2022
• Shaw and Partners Gold Seminar Presentation	1 February 2023

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 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 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](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.

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 [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 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 Information – Magnum, Calibre and Minyari Dome Mineral Resources Gold Equivalent cut-off grades:** Gold Equivalent (Aueq) details of material factors and metal equivalent formulae for the Magnum, Calibre and Minyari Dome Mineral Resources are reported in the following reports 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):

- |   |                  |
|---|------------------|
| • <i>Calibre and Magnum Mineral Resources JORC 2012 Updates</i>       | 23 February 2015 |
| • <i>Calibre Gold Resource Increases 62% to 2.1 Million Ounces</i>    | 17 May 2021      |
| • <i>Minyari Dome Project Gold Resource Increases 250% to 1.8 Moz</i> | 2 May 2022       |

## Antipa Minerals Ltd Paterson Province Project Portfolio Mineral Resource Estimates

### Minyari Dome Project (100% Antipa)

Deposit and Gold Equiv Cut-off Grade*	Resource Category	Tonnes Mt (or kt)	Aueq (g/t)	Gold Grade (g/t)	Copper Grade (%)	Silver Grade (g/t)	Cobalt (%)	Aueq (oz)	Gold (oz)	Copper (t)	Silver (oz)	Cobalt (t)
Minyari 0.5 Aueq	Indicated	15	1.78	1.17	0.19	0.54	0.04	858,000	567,000	27,800	259,600	5,930
Minyari 0.5 Aueq	Inferred	2.7	1.49	1.12	0.12	0.31	0.02	129,000	96,000	3,300	26,300	640
<b>Minyari 0.5 Aueq</b>	<b>Sub-Total</b>	<b>17.7</b>	<b>1.74</b>	<b>1.17</b>	<b>0.18</b>	<b>0.50</b>	<b>0.04</b>	<b>987,000</b>	<b>663,000</b>	<b>31,100</b>	<b>285,900</b>	<b>6,570</b>
Minyari 1.5 Aueq	Indicated	4.4	2.95	2.30	0.26	0.83	0.03	417,000	328,000	11,400	118,400	1,450
Minyari 1.5 Aueq	Inferred	6.2	3.14	2.51	0.22	0.66	0.03	626,000	523,000	13,800	132,700	1,590
<b>Minyari 1.5 Aueq</b>	<b>Sub-Total</b>	<b>10.6</b>	<b>3.06</b>	<b>2.48</b>	<b>0.24</b>	<b>0.73</b>	<b>0.03</b>	<b>1,043,000</b>	<b>851,000</b>	<b>25,200</b>	<b>251,100</b>	<b>3,040</b>
<b>Minyari</b>	<b>Total</b>	<b>28.3</b>	<b>2.23</b>	<b>1.66</b>	<b>0.20</b>	<b>0.59</b>	<b>0.03</b>	<b>2,030,000</b>	<b>1,514,000</b>	<b>56,300</b>	<b>537,000</b>	<b>9,610</b>
WACA 0.5 Aueq	Indicated	1.7	1.29	0.97	0.11	0.17	0.02	70,000	52,000	1,900	9,400	310
WACA 0.5 Aueq	Inferred	1.5	1.35	1.02	0.12	0.18	0.02	67,000	51,000	1,800	9,100	300
<b>WACA 0.5 Aueq</b>	<b>Sub-Total</b>	<b>3.2</b>	<b>1.32</b>	<b>0.99</b>	<b>0.11</b>	<b>0.18</b>	<b>0.02</b>	<b>137,000</b>	<b>103,000</b>	<b>3,700</b>	<b>18,500</b>	<b>610</b>
WACA 1.5 Aueq	Inferred	1.6	2.14	1.69	0.11	0.17	0.03	112,000	89,000	1,900	9,000	560
<b>WACA</b>	<b>Total</b>	<b>4.9</b>	<b>1.59</b>	<b>1.23</b>	<b>0.11</b>	<b>0.18</b>	<b>0.02</b>	<b>249,000</b>	<b>192,000</b>	<b>5,600</b>	<b>27,500</b>	<b>1,170</b>
<b>Minyari South 0.5 Aueq</b>	<b>Inferred</b>	<b>153 t</b>	<b>5.74</b>	<b>4.51</b>	<b>0.56</b>	<b>1.04</b>	<b>0.05</b>	<b>28,000</b>	<b>22,000</b>	<b>900</b>	<b>5,100</b>	<b>80</b>
<b>Minyari South</b>	<b>Total</b>	<b>153 kt</b>	<b>5.74</b>	<b>4.51</b>	<b>0.56</b>	<b>1.04</b>	<b>0.05</b>	<b>28,000</b>	<b>22,000</b>	<b>900</b>	<b>5,100</b>	<b>80</b>
<b>Sundown 0.5 Aueq</b>	<b>Inferred</b>	<b>202 kt</b>	<b>2.13</b>	<b>1.38</b>	<b>0.36</b>	<b>0.72</b>	<b>0.03</b>	<b>14,000</b>	<b>9,000</b>	<b>700</b>	<b>4,700</b>	<b>60</b>
<b>Sundown</b>	<b>Total</b>	<b>202 kt</b>	<b>2.13</b>	<b>1.38</b>	<b>0.36</b>	<b>0.72</b>	<b>0.03</b>	<b>14,000</b>	<b>9,000</b>	<b>700</b>	<b>4,700</b>	<b>60</b>
WACA West 0.5 Aueq	Inferred	393 kt	1.21	0.73	0.17	0.81	0.03	15,000	9,000	700	10,200	120
WACA West 1.5 Aueq	Inferred	11 kt	1.62	0.86	0.50	0.05	0.01	1,000	304	55	17	1
<b>WACA West</b>	<b>Total</b>	<b>404 kt</b>	<b>1.23</b>	<b>0.73</b>	<b>0.18</b>	<b>0.79</b>	<b>0.03</b>	<b>16,000</b>	<b>9,304</b>	<b>755</b>	<b>10,217</b>	<b>121</b>
<b>Minyari + WACA + Satellite Deposits</b>	<b>Grand Total</b>	<b>33.9</b>	<b>2.14</b>	<b>1.60</b>	<b>0.19</b>	<b>0.54</b>	<b>0.03</b>	<b>2,340,000</b>	<b>1,750,000</b>	<b>64,300</b>	<b>584,000</b>	<b>11,100</b>

## 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 Equiv (g/t)	Gold Grade (g/t)	Copper Grade (%)	Silver Grade (g/t)	Gold Equiv (Moz)	Gold (Moz)	Copper (t)	Silver (Moz)
Calibre 0.5 Au Equiv	Inferred	92	0.92	0.72	0.11	0.46	2.7	2.1	104,000	1.3
Magnum 0.5 Au Equiv	Inferred	16	-	0.70	0.37	1.00	-	0.34	58,000	0.5
<b>Calibre + Magnum Deposits</b>	<b>Total</b>	<b>108</b>	<b>-</b>	<b>0.72</b>	<b>0.15</b>	<b>0.54</b>	<b>2.7</b>	<b>2.4</b>	<b>162,000</b>	<b>1.8</b>

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

Note: Citadel Project Mineral Resources are tabled on a 100% basis - Antipa elected to utilise the dilute-down provisions in the Citadel JV agreement to fund its share of the CY2022 exploration programme, resulting in its JV interest being reduced from 35% to approximately 32% and Rio's JV interest increasing from 65% to approximately 68% subject to determination of final expenditure levels



## ANTIPA MINERALS LTD - MINYARI DOME PROJECT – Phase 2 Mineral Resource Definition Diamond Core Drill Programme 2022

### 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>	<ul style="list-style-type: none"> <li>The Minyari deposit was sampled by nine infill Diamond Drill (DD) holes for 4,365 metres, with an average hole depth of 485m.</li> <li>Assay results have been received for all nine DD holes.</li> <li>DD sampling was carried out under Antipa protocols and QAQC procedures as per industry best practice.</li> <li>All drill core was geologically, structurally and geotechnically logged and photographed prior to cutting.</li> <li>Half core samples were taken for all DD holes using an automatic core saw.</li> <li>Half core was sampled, nominally as one metre samples with adjustments for major geological boundaries, with sample lengths ranging between 0.3m and 1.2m.</li> <li>Half diamond drill core samples are prepared for assay and the remaining half core archived.</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>	<ul style="list-style-type: none"> <li>DD drill holes were completed with standard tube using PQ diameter equipment at the start of hole to a designated depth depending on ground conditions, followed by HQ to a designated depth, then NQ to the end of hole.</li> <li>All DD was orientated using a Reflex ACT electronic orientation tool.</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>Core recovery is recorded as a percentage. Overall core recoveries averaged over 99.5% and there are no core loss issues or significant sample recovery problems except for occasional very localised/limited regions.</li> <li>Drillers used appropriate measures to maximise diamond core sample recovery.</li> <li>There is no relationship between sample recovery and/or mineralisation grade as the diamond core recovery was consistently high.</li> </ul>
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</li> </ul>	<ul style="list-style-type: none"> <li>Geological logging of all DD 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>Logging was completed for 100% of all drill holes.</li> <li>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</li> </ul>



Criteria	JORC Code explanation	Commentary
	<i>logged.</i>	<p>allow invalid logging codes to be entered. Further data validation is carried out during upload to Antipa's master Access SQL database.</p> <ul style="list-style-type: none"> <li>Diamond drill core was measured for magnetic susceptibility using a handheld Magnetic Susceptibility meter at 0.5m intervals for all drill holes.</li> <li>Geotechnical logging of all DD was carried out for Recovery, RQD and Fracture Frequency.</li> <li>Information on structure type, dip, dip direction, alpha angle, beta angle, gamma angle, texture and fill material is stored in the Company's technical database.</li> <li>A total of 4,365 metres of diamond core were logged.</li> </ul>
<i>Sub-sampling techniques and sample preparation</i>	<ul style="list-style-type: none"> <li><i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li><i>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.</i></li> <li><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>DD was sampled as half core on a nominal 1.0m sample interval within unmineralised zones and on 0.3 to 1.2m intervals within the mineralised zones.</li> <li>Field duplicate samples were collected for the majority of DD holes.</li> <li>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.</li> <li>The sample sizes are considered appropriate for the style of mineralisation at the Minyari and WACA deposits.</li> </ul>
<i>Quality of assay data and laboratory tests</i>	<ul style="list-style-type: none"> <li><i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li><i>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.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>All drill samples were submitted to ALS in Perth for preparation and analysis.</li> <li>All samples were dried, crushed, pulverised and split to produce a sub-sample for analysis.</li> <li>Analytical methods include a 33 element analysis by HF-HNO<sub>3</sub>-HClO<sub>4</sub> ("four acid") acid digestion, HCl leach and ICP-AES.</li> <li>A lead collection fire assay on a 50g sample with Atomic Absorption Spectroscopy undertaken to determine gold content with a detection limit of 0.005ppm.</li> <li>Additional ore-grade analysis was performed as required for other elements reporting out of range.</li> <li>Field QC procedures involve the use of commercial certified reference material (CRM's) for assay standards and blanks. Standards are inserted every 25 samples. The grade of the inserted standard is not revealed to the laboratory.</li> <li>Field duplicates/repeat QC samples was utilised during the drilling programme with nominally 1 in 30 duplicate samples submitted for assaying for each drill hole, with additional duplicate samples submitted in mineralized zones.</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>If necessary, selected anomalous samples are re-digested and analysed to confirm results.</li> </ul>

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>The verification of significant intersections by either independent or alternative company personnel.</li> <li>The use of twinned holes.</li> <li>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>Significant drill intersections have been visually verified by multiple members of the Antipa geology team, including the Managing Director.</li> <li>Several drill holes were twinned during the 2021 drill programme.</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>
Location of data points	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>km = kilometre; m = metre; mm = millimetre.</li> <li>Drill hole collar locations have been surveyed where possible using a differential GPS with a stated accuracy of +/- 0.5m.</li> <li>The remainder of the collar locations were picked up using a handheld Garmin 64S GPS which has an accuracy of <math>\pm 3</math>m.</li> <li>For the Minyari deposit verification drill holes intersections have been compared to the equivalent corresponding historic drill hole intersection by compositing variable length samples into 1m intervals. The corresponding sample populations have been statistically compared using a mean grade and percentage differences for gold and copper in corresponding drill holes.</li> <li>The Verification drill holes are considered to be greater than 5m away from comparative historic drill holes as the location of the historic drill holes cannot be verified in the field.</li> <li>The drilling co-ordinates are all in GDA20 MGA Zone 51 co-ordinates.</li> <li>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.</li> <li>Minyari Local Grid 2-Point Transformation Data: <ul style="list-style-type: none"> <li>Minyari Local Grid 47,400m east is 421,462.154m east in GDA94 / MGA Zone 51;</li> <li>Minyari Local Grid 99,000m north is 7,632,467.588 m north in GDA94 / MGA Zone 51;</li> <li>Minyari Local Grid 47,400m east is 414,078.609m east in GDA94 / MGA Zone 51;</li> <li>Minyari Local Grid 113,000m north is 7,644,356.108m north in GDA94 / MGA Zone 51;</li> <li>Minyari Local Grid North (360°) is equal to 328.2° in GDA94 / MGA Zone 51;</li> <li>Minyari Local Grid elevation is equal to GDA20 / MGA Zone 51.</li> </ul> </li> <li>Diamond core drill holes are aligned using an azimuth aligner tool.</li> <li>The topographic surface has been compiled using the drill hole collar coordinates and drone survey surface elevation values.</li> <li>Surveys were completed upon hole completion using a Reflex Gyro downhole survey instrument.</li> <li>Down hole single shots were completed on all diamond core holes for hole tracking.</li> <li>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.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>Survey details included drill hole dip (<math>\pm 0.25^\circ</math> accuracy) and drill hole azimuth (<math>\pm 0.35</math> accuracy<math>^\circ</math>), Total Magnetic field and temperature.</li> </ul>
<i>Data spacing and distribution</i>	<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>At the Minyari deposit, the nominal drill hole spacing is across multiple east-west local 'Minyari grid' sections spaced 25 to 50m apart with an average drill hole spacing on each section of 50m (range 20 to 50m).</li> <li>Diamond core holes were drilled on a range of hole spacings along line and across line.</li> <li>The section spacing at the Minyari deposit is sufficient to establish the degree of geological and grade continuity necessary to support Mineral Resource estimations.</li> <li>Reported diamond hole intersections were aggregated using downhole length weighting of consecutive sample (laboratory) assay results.</li> </ul>
<i>Orientation of data in relation to geological structure</i>	<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>The location and orientation of the Minyari Dome Project, including the Minyari and WACA deposits, drilling is appropriate given the strike, dip and morphology of the mineralisation.</li> <li>Minyari and WACA deposit drill holes are typically angled towards local grid east to be perpendicular to the strike of both the dominant mineralisation trend, and at a suitable angle to the dip of the dominant mineralisation.</li> <li>A number of local grid west and south dipping drill holes were also completed.</li> <li>No consistent and/or material sampling bias resulting from a structural orientation has been identified at Minyari Dome at this stage; however, both folding and multiple vein directions have been recorded via surface mapping, diamond core and RC.</li> </ul>
<i>Sample security</i>	<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>
<i>Audits or reviews</i>	<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>

## ANTIPA MINERALS LTD - MINYARI DOME PROJECT

### JORC Code 2012 Edition: Table 1 - Section 2 – Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Antipa Minerals Ltd has the interests described below covering a total area of 877km<sup>2</sup>, collectively known as the Minyari Dome Project, for the following granted Exploration Licences: <ul style="list-style-type: none"> <li>E45/4618 = 100% of licence;</li> <li>E45/3918 = 100% of 29 graticular blocks covering a southern region of the licence;</li> <li>E45/3919 = 100% of 15 graticular blocks covering the northernmost region of the licence;</li> <li>E45/4812 = 100% of licence;</li> <li>E45/5079 = 100% of licence;</li> <li>E45/5147 = 100% of licence; and</li> <li>E45/5148 = 100% of licence.</li> </ul> </li> <li>Antipa Minerals Ltd's interests in the Exploration Licences detailed above are not subject to any third party Farm-in or Joint Venture agreements.</li> <li>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 E45/148.</li> <li>A 1% net smelter royalty is payable to Sandstorm Gold Ltd on the sale of all metals (excluding uranium) on Exploration Licences E45/3917, E45/3918 and E45/3919.</li> <li>A Split Commodity Agreement exists with Paladin Energy whereby it owns the rights to uranium on Exploration Licences E45/3917, E45/3918 and E45/3919.</li> <li>The Minyari and WACA Mineral Resources are located wholly within Exploration Licence E45/3919.</li> <li>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.</li> <li>The tenements are in good standing and no known impediments exist.</li> </ul>
Exploration done by other parties	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>The Minyari and WACA deposits were greenfield discoveries by the Western Mining Corporation Ltd during the early 1980's.</li> <li>Exploration of the Minyari Dome region has involved the following companies: <ul style="list-style-type: none"> <li>Western Mining Corporation Ltd (1980 to 1983);</li> <li>Newmont Holdings Pty Ltd (1984 to 1990);</li> <li>MIM Exploration Pty Ltd (1990 to 1991);</li> <li>Newcrest Mining Limited (1991 to 2015); and</li> <li>Antipa Minerals Ltd (2016 onwards).</li> </ul> </li> </ul>
Geology	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<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.</li> <li>The Paterson Province is a low grade metamorphic terrane but local hydrothermal alteration and/or</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>contact metamorphic mineral assemblages and styles are indicative of a moderate to high-temperature local environment.</p> <ul style="list-style-type: none"> <li>The mineralisation in the region is interpreted to be intrusion related. Typical mineralisation styles include vein, stockwork, breccia and skarns.</li> </ul>
Drill hole Information	<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 Minyari Dome region exploration results can be found in previous WA DMIRS publicly available reports.</li> <li>All the various technical Minyari Dome region exploration reports are publicly accessible via the DMIRS' online WAMEX system.</li> <li>The specific WAMEX and other reports related to the exploration information the subject of this public disclosure have been referenced in previous public reports.</li> </ul>
Data aggregation methods	<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>For DD drill hole intersections consisting of more than one sample the reported intersections were aggregated using downhole length weighting of consecutive sample (laboratory) assay results.</li> <li>No top-cuts to gold, copper, silver, or cobalt have been applied (unless specified otherwise).</li> <li>A nominal 0.40 g/t gold, 0.10% copper, 1.00 g/t silver and 400ppm cobalt lower cut-off grades have been applied during data aggregation of the Minyari deposit drill results.</li> <li>Higher grade intervals of mineralisation internal to broader zones of mineralisation are reported as included intervals.</li> <li>Metal equivalence has not been used in the reporting of these drill intersections.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<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>	<p><b>Minyari Deposit</b></p> <ul style="list-style-type: none"> <li>The Minyari deposit consists of a predominantly meta-sediment hosted intrusion related hydrothermal alteration, breccia and vein style gold-copper-silver-cobalt mineralisation occurring along a generally moderate to steep south-west dipping 300m wide corridor striking approximately 320° and plunging moderately towards the northwest.</li> <li>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 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; however, Minyari North potentially exhibits a similar plunge to the Minyari deposit.</li> </ul>
Diagrams	<ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations</li> </ul>	<ul style="list-style-type: none"> <li>All appropriate maps and sections (with scales) and tabulations of intercepts have been publicly</li> </ul>

Criteria	JORC Code explanation	Commentary
	<i>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.</i>	reported or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.
Balanced reporting	<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> </ul>
Other substantive exploration data	<ul style="list-style-type: none"> <li>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.</li> </ul>	<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>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).</li> <li>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.</li> <li>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.</li> <li>Multi element assaying was conducted variously for a suite of potentially deleterious elements including arsenic, sulfur, lead, zinc and magnesium.</li> <li>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.</li> <li>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.</li> <li>No information on structure type, dip, dip direction, alpha angle, beta angle, gamma angle, texture and fill material were obtained from the WAMEX reports.</li> <li>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</li> </ul>



Criteria	JORC Code explanation	Commentary
		<p>view on <a href="http://www.antipaminerals.com.au">www.antipaminerals.com.au</a>: (<a href="https://antipaminerals.com.au/upload/documents/investors/asx-announcements/201129223150_2017-06-13-31.pdf">https://antipaminerals.com.au/upload/documents/investors/asx-announcements/201129223150_2017-06-13-31.pdf</a> and <a href="https://antipaminerals.com.au/upload/documents/investors/asx-announcements/201129232007_2018-08-271.pdf">https://antipaminerals.com.au/upload/documents/investors/asx-announcements/201129232007_2018-08-271.pdf</a>) and <a href="http://www.asx.com.au">www.asx.com.au</a>.</p> <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>In addition, the following information in relation to metallurgy was obtained from WA DMIRS WAMEX reports: <ul style="list-style-type: none"> <li>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 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;</li> <li>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.</li> <li>Newcrest Mining Ltd describe the Minyari deposit gold-copper mineralisation as being typical of the Telfer 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).</li> </ul> </li> </ul>
Further work	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</li> <li>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially</li> </ul>	<ul style="list-style-type: none"> <li>Gold-copper-silver-cobalt mineralisation, and Mineral Resource estimates (<b>MRE</b>), at the Minyari and WACA deposits have been intersected over a range of drill defined limits along strike, across strike and down dip and variously remains open in multiple directions with further investigation/drilling required to test for lateral and vertical mineralisation extensions and continuity beyond the limits of existing drilling limits.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<i>sensitive.</i>	<ul style="list-style-type: none"> <li>• Gold-copper-silver-cobalt mineralisation, and maiden MREs, at the Minyari South, Sundown and WACA West deposits has been intersected over a range of drill defined limits along strike, across strike and down dip and variously remains open in multiple directions with further investigation/ drilling required to test for lateral and vertical mineralisation extensions and continuity beyond the limits of existing drilling limits.</li> <li>• MRE updates for Minyari and other satellite deposits are expected to be completed in Q2 CY2023.</li> <li>• Continuation of Pre-Feasibility Studies (PFS), including further metallurgical test-work, geotechnical, mining and economic evaluations. The PFS is scheduled to be completed by Q4 CY2023</li> <li>• Further exploration at various prospects and geophysical/geochemical targets across the Minyari Dome Project.</li> <li>• All appropriate maps and sections (with scales) and tabulations of intercepts have been publicly reported or have been previously reported by Antipa or can sometimes be found in previous WA DMIRS WAMEX publicly available reports.</li> </ul>