RISE & SHINE (RAS) AND COME-IN-TIME (CIT) EXTENSION DRILLING RESULTS

- **Robust gold intercepts continue in the new northern extension of RAS with fringe drillholes implying a ~300 metre east-west width to mineralisation. The new zone now averages 21 metres thickness and extends 860 metres down-plunge beyond the September 2021 RAS Mineral Resource Estimate (MRE) of 264Koz @ 2.0 g/t Au [min 0.50g/t].**
    - **RAS northern core:**
        - **MDD037 28m @ 1.1 g/t (aggregate) between 321m and 356m (partial assays)**
        - **MDD041 16m @ 5.6 g/t (aggregate) between 233m and 258m (partial assays)**
    - **RAS eastern fringe:**
        - **MDD029 7m @ 1.0 g/t (aggregate) between 311m and 336m**
        - **MDD036 4m @ 2.2 g/t (aggregate) between 301m and 333m (partial assays)**
    - **RAS western fringe:**
        - **MDD033 8m @ 1.5 g/t (aggregate) between 243m and 270m (balance of hole)**
        - **MDD034 8m @ 0.7 g/t (aggregate) between 202m and 222m**
        - **MDD039 1m @ 1.1 g/t from 184m (partial assays)**
- **Extension drillhole assays from CIT Deposit (64Koz @ 1.6 g/t Au) 1 km north of RAS report:**
    - **CIT northern extension:**
        - **MDD032 10m @ 1.4 g/t (aggregate) between 162m and 188m**
        - **MDD035 3m @ 2.1 g/t from 172m**
        - **MDD038 3m @ 1.0 g/t from 156m (partial assays)**
- **Drilling is continuing with three diamond drill (DD) rigs to test mineralisation that remains open at all 4 drill-tested deposits (RAS, CIT, Shreks (SHR) and Shreks East (SRE)) four kilometres along the Rise and Shine Shear Zone (RSSZ).**
- **A RAS MRE upgrade will be finalised when new mineralisation limits are adequately defined.**
- **Metallurgical gravity-leach gold recoveries of 94-99% for four composite samples and 64-80% for two composite samples continue to demonstrate predominantly non-refractory nature of the Bendigo-Ophir gold project.**
- **Ongoing positive results enhance multi-million-ounce non-refractory gold resource potential.**

25 May 2022 Santana Minerals Limited (ASX: SMI) ("Santana" or "the Company") is pleased to announce further significant results from the 100% owned Bendigo-Ophir Project ("the Project").

Drilling from September 2021 has primarily focused on extending mineralisation down-plunge at RAS where mineralisation within the RAS shoot consistently occurs over a vertical interval of 40-80 metres. Concentration of gold is in the 10-20-metre-thick hanging wall shear (HWS), with common grades of 1-10 g/t Au. Mineralisation is also in higher-grade stockwork within and below the HWS, as in MDD016 with bonanza grades to 57.5 g/t Au (ASX announcement 23rd December 2021) and 51.2 g/t Au in MDD025R (ASX announcement 3rd March 2021).

A new resource estimate incorporating the RAS drill results reported over the last 9 months is being undertaken which is expected to significantly upgrade the 643Koz Inferred Gold Resource (MRE) in the four Rise and Shine Shear Zone (RSSZ) Deposits reported to JORC Code 2012 (ASX announcement on 28th September 2021).

Metallurgical gravity-leach testwork gold recoveries to 99% reflect the largely non-refractory nature of the Bendigo-Ophir gold project

Commenting on the results Executive Director Dick Keevers said:

"Our drill definition of the gold mineralized body, from surface outcrop to now 1400 m down plunge in a NE direction at RAS, continues to show extension in this down plunge dimension, confirming similarity with the shape and continuity of the FRUG gold mineralized shoot and mine at the Macraes mine, 90 km to the SE of RAS. FRUG is known to have continued for about 2400 m down plunge, displaying broadly similar geology to our Bendigo – Ophir gold project, also located on NW – SE orientated major shear zone, which at Bendigo – Ophir, is about 30 km long. Clearly this continues to add scope for a substantial Mineral Resource Estimate (MRE) up-grade at RAS and provides scope for new mineralization along the shear, where we have defined near surface gold deposits at CIT and SHR/SRE. The RAS MRE up-grade is in progress.

Our early metallurgical test work, still in progress, continues to return good results for high recovery of predominately free gold."

RSSZ Deposits - Extension Drilling

Four RSSZ deposits, CIT, RAS, SHR and SRE extend 4 kilometres NW-SE along strike and contain the current 643Koz inferred gold resources (Figure 1). All deposits remain open at depth.

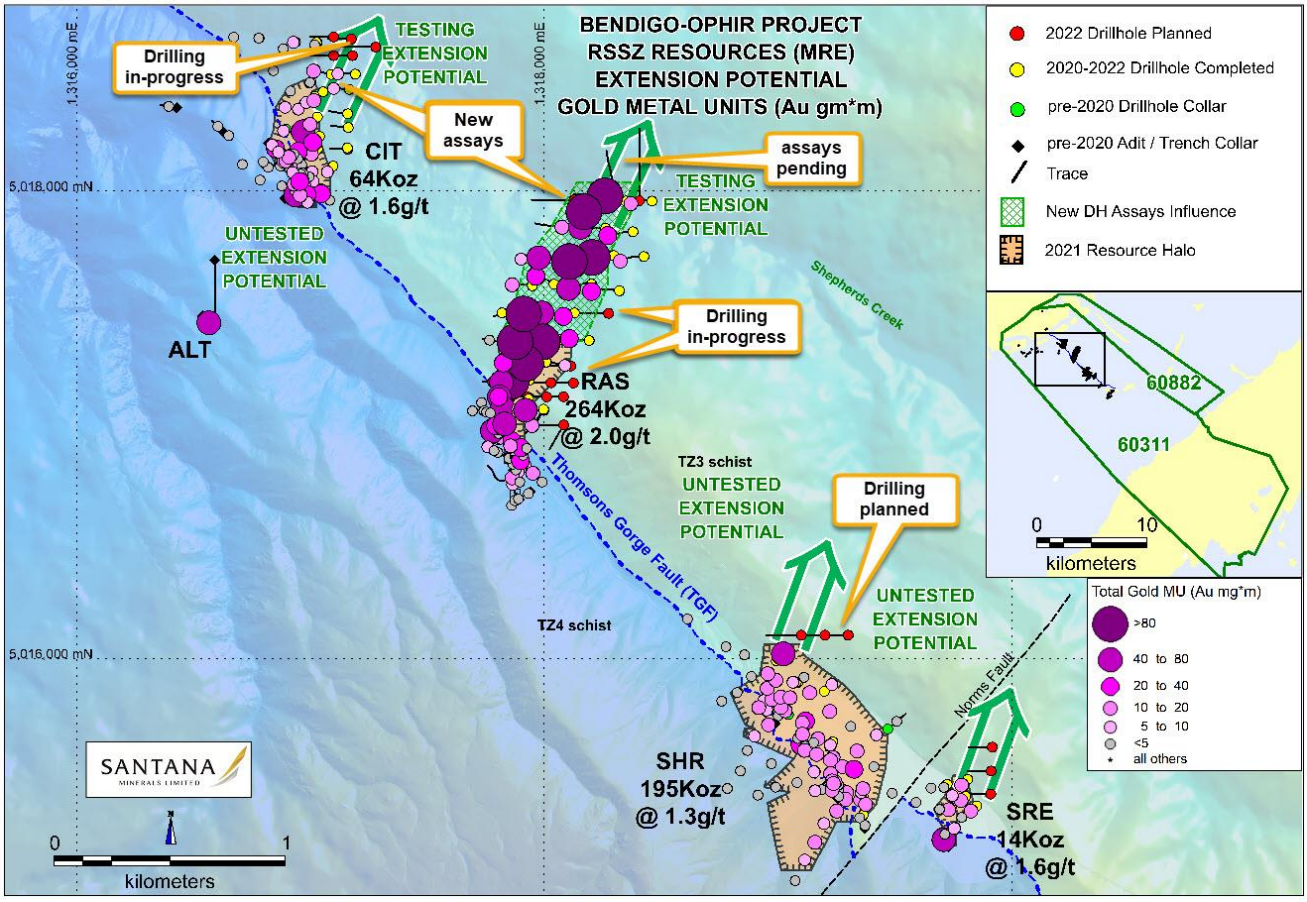


Figure 1 RSSZ Deposits / Resource Halos / Gold Metal Units (MU) & Current Drilling

Figure 2 RAS Deposit – Dunstan Range (View south)

Three DD rigs are now operating 24/7 with a total of 8,402 metres completed since January 2022 (Table 1). A total of 17,600 metres have now been drilled since the Company commenced the current programme in November 2020. Presently, drilling is primarily focused on the new northern extension at RAS (Figures 1, 2, 3, 4, 5 & 6), southern infill at RAS and at the CIT deposit (Figures 1, 9 & 10).

Table 1: 2022 Drillhole co-ordinates, downhole survey detail and Status

Deposit	Hole_No	East_NZTM	North_NZTM	RL	Azimuth (T Avg)	Dip (Avg)	Length	Method	Status	Results
RAS	MDD023R	1318320.6	5017574.1	658.47	266.6	-68	359.2	DD	Completed	Reported
RAS	MDD024	1317854.7	5017118.1	756.71	268.9	-61	177.0	DD	Completed	Reported
RAS	MDD025	1318195.1	5017716.4	632.55	258.1	-67	265.7	DD	Re-Drilled	Reported
RAS	MDD025R	1318196.5	5017715.3	632.65	256.2	-72	360.7	DD	Completed	Reported
RAS	MDD026	1317853.3	5017125.6	756.82	212.5	-56	221.7	DD	Completed	Reported
RAS	MDD027	1318262.3	5017841.8	582.34	271.6	-69	365.6	DD	Completed	Reported
RAS	MDD028	1317998.5	5017062.1	773.89	270.6	-62	250.0	DD	Completed	Reported
RAS	MDD029	1318460.9	5017957.4	537.69	260.2	-75	398.2	DD	Completed	Reported
RAS	MDD030	1317997.9	5017066.3	773.85	210.0	-55	115.0	DD	Re-Drilled	No assays
RAS	MDD030R	1317997.1	5017067.0	773.95	217.0	-58	242.6	DD	Completed	Reported
RAS	MDD031	1318348.9	5017957.7	536.72	291.5	-73	380.1	DD	Completed	Reported
RAS	MDD033	1318167.1	5017835.5	581.95	277.0	-70	336.5	DD	Completed	Partial reported
RAS	MDD034	1318071.8	5017712.2	597.71	269.3	-66	233.7	DD	Re-Drilled	Reported
RAS	MDD034R	1318071.6	5017712.3	597.79	268.1	-67	300.5	DD	Completed	Partial reported
RAS	MDD036	1318426.5	5017720.0	603.71	251.4	-73	372.8	DD	Completed	Partial reported
RAS	MDD037	1318379.9	5017826.4	607.16	267.2	-73	425.2	DD	Completed	Partial reported
RAS	MDD039	1317973.8	5017719.0	626.20	261.3	-69	256.1	DD	Completed	Partial reported
RAS	MDD041	1318243.5	5017969.3	528.53	232.5	-68	287.2	DD	Completed	Partial reported
RAS	MDD042	1318068.1	5017844.9	561.41	279.4	-69	293.0	DD	Completed	assays pending
RAS	MDD044	1318291.7	5017991.8	532.34	340.2	-70	469.8	DD	Completed	assays pending
RAS	MDD045	1317899.5	5017479.5	695.00	259.9	-66	251.9	DD	Completed	assays pending
RAS	MDD047	1318406.6	5017959.0	535.93	3.0	-71	446.3	DD	Completed	assays pending
RAS	MDD048	1317819.0	5017478.9	702.19	90.0	-60	101.9	DD	Completed	assays pending
RAS	MDD048R	1317819.0	5017478.9	702.19	90.0	-66	285.0	DD	Completed	assays pending
SubTotal							**7,195.7**			
CIT	MDD032	1317089.5	5018499.6	503.38	279.7	-64	200.0	DD	Completed	Reported
CIT	MDD035	1317192.1	5018500.0	501.69	265.7	-66	236.5	DD	Completed	Partial reported
CIT	MDD038	1317166.4	5018435.7	517.58	274.8	-67	213.0	DD	Completed	Partial reported
CIT	MDD040	1317160.0	5018331.0	546.28	279.1	-66	194.0	DD	Completed	assays pending
CIT	MDD043	1317161.9	5018272.4	556.02	276.8	-67	184.3	DD	Completed	assays pending
CIT	MDD046	1317159.6	5018179.0	594.19	271.1	-66	178.4	DD	Completed	assays pending
SubTotal							**1,206.2**			
TOTAL							**8,401.9**			

Latest Drill Assay Results from RAS

Assays recently received for seven RAS drillholes include MDD029, MDD033 (balance of hole), MDD034 (re-drilled by MDD034R), MDD036 (partial), MDD037, MDD039 (partial) and MDD041 (partial), (Figures 3, 4, 5, 6 & 7, Tables 1 & 2, Appendix 1).

MDD033 assays are the balance of the hole below the previously reported aggregate 7.7m @ 1.49 g/t gold (ASX announcement on 11th May 2022).

MDD034 assays are from an abandoned hole redrilled by MDD34R (previously reported 13m @ 2.9 g/t gold in ASX announcement on 11th May 2022).

Partial assays are from the upper part of the RSSZ in drillholes MDD036, MDD039 and MDD041 with assays pending for the lower RSSZ sections.

All assays are from the northern 360 metres of RAS on three east-west drill sections (Figures 5 & 6). Two drillholes (MDD037 & MDD041) are in the axis, two on the eastern fringe (MDD029 & MDD036) and three on the western fringe (MDD033, MDD034 and MDD039). All drillholes are down-plunge from the September 2021 MRE.

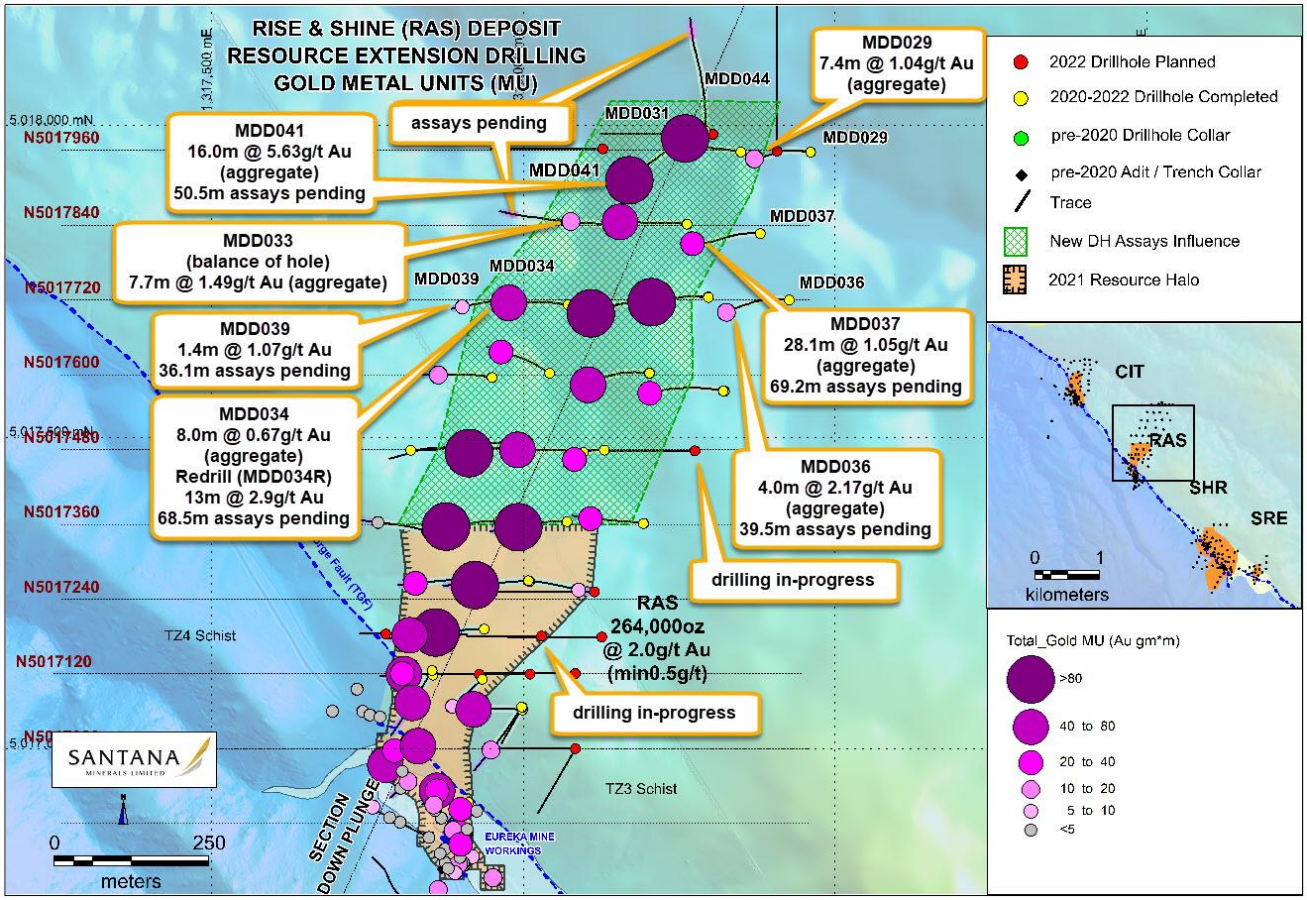


Figure 3 RAS Resource Extension Drilling - New Results / Gold Distribution

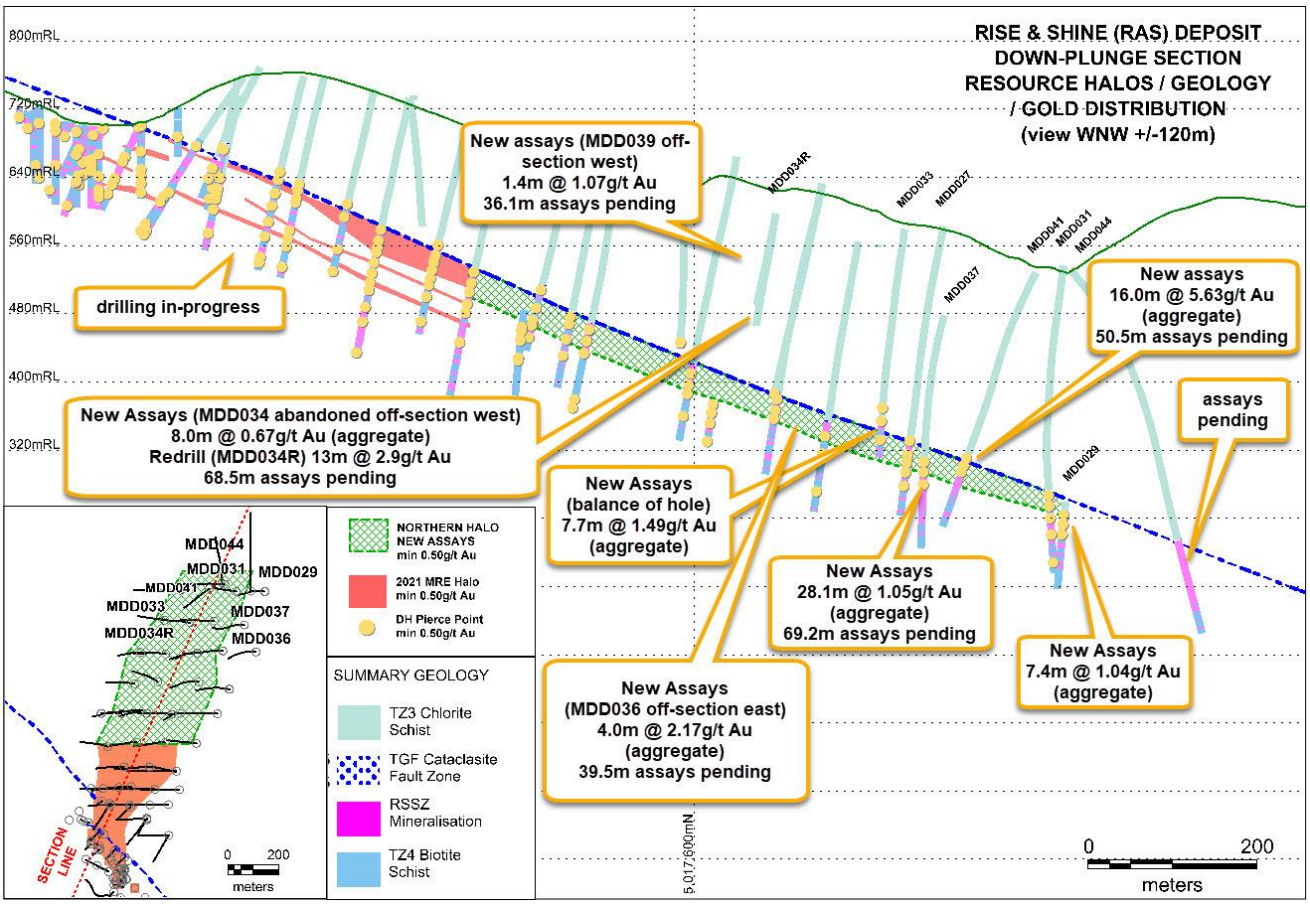


Figure 4 RAS Down-plunge Section (new assays, geology & extension envelope)

Table 2: RAS new mineralised drill intercepts

Deposit	EW Section	Drillhole	From (m)	Drill intercept (m)	Average Gold Grade (g/t) (min 0.50 g/t Au)	Comments
RAS	N5017960	MDD029	310.6	1.4	1.85	
			321.0	2.0	0.93	
			332.0	4.0	0.81	
			Aggregate	7.4	1.04	(over 25.4m)
		MDD041	233.0	10.0	8.20	
			247.0	1.0	0.61	
			253.0	5.0	1.50	
			Aggregate	16.0	5.63	(over 25.0m), 50.5m assays pending
	N5017840	MDD033	243.3	6.7	0.77	previously reported
			269.0	1.0	6.28	previously reported
			Aggregate	7.7	1.49	(over 26.7m), total hole now reported
		MDD037	321.0	3.1	0.98	
			329.0	12.0	1.04	
			343.0	13.0	1.07	
			Aggregate	28.1	1.05	(over 35.1m), 69.2m assays pending
	N5017720	MDD034	202.0	1.0	0.57	
			209.0	6.0	0.65	
			221.0	1.0	0.87	
			Aggregate	8.0	0.67	(over 20m), hole abandoned 233.7m
		MDD036	301.0	1.0	0.82	
			315.0	2.0	3.44	
			332.0	1.0	0.96	
			Aggregate	4.0	2.17	(over 32.0m), 39.5m assays pending
		MDD039	183.7	1.4	1.07	
			Continuous	1.4	1.07	36.1m assays pending

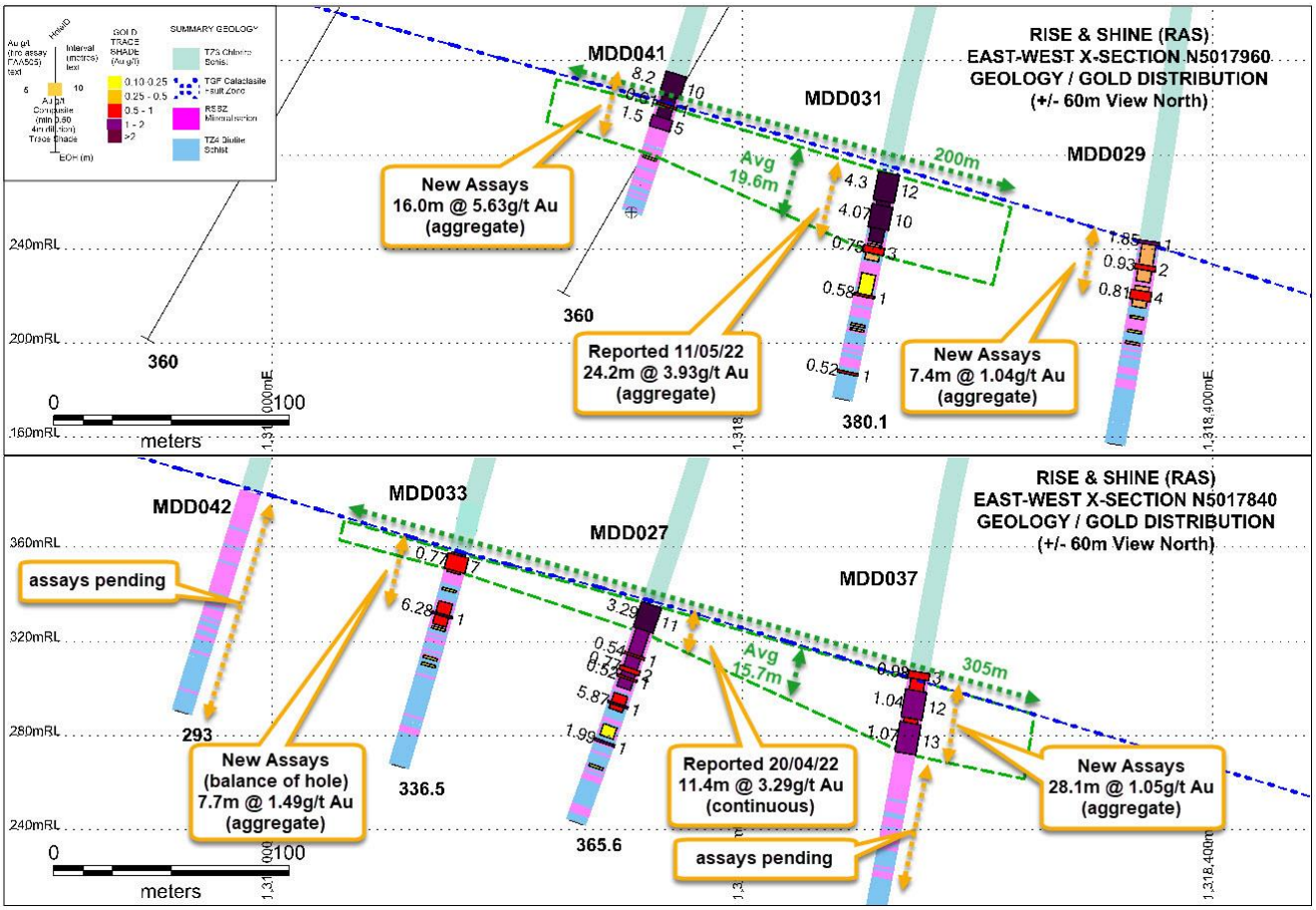


Figure 5 RAS N5017960 & N5017840 East-West Cross Sections - assays, geology & extension envelope

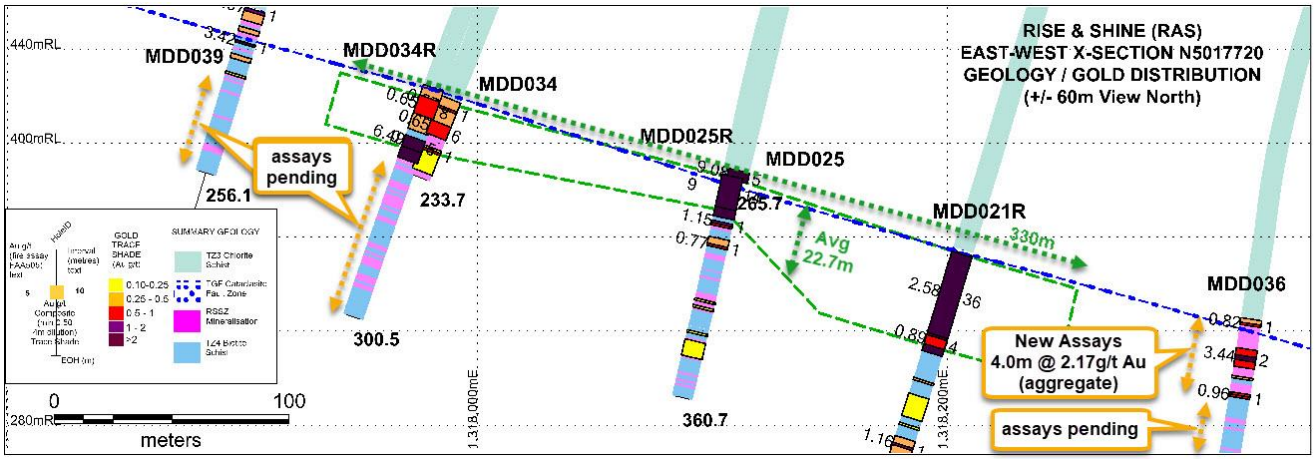


Figure 6 RAS N5017720 East-West Cross Section - assays, geology & extension envelope

Gold distribution metal unit (MU) contours of RAS drill intercepts (Figure 7) show mineralisation confined to a >300 metre NNE trending corridor (defined by 5 MU) with a continuous core of >40 MU intercepts that extend the length of the 1,320 metre down-plunge assayed extent. A further 120 metres (to 1,440 metres down-plunge) is identified from visual mineralisation with visible gold (VG) (Figure 8) logged in MDD044 drilled to the north (ASX announcement on 11th May 2022) where assays are pending.

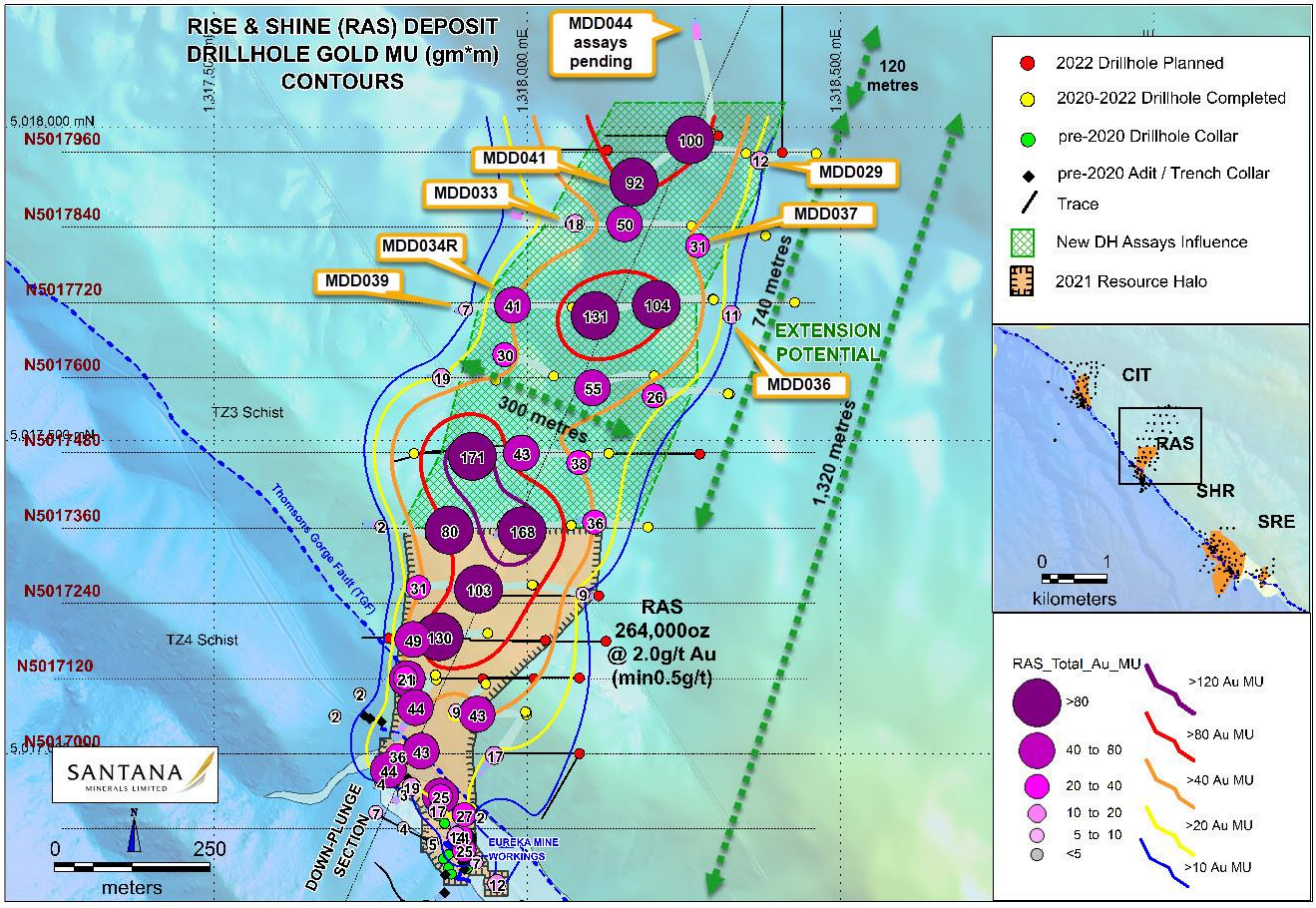


Figure 7 RAS Resource – Total Gold Metal Unit (MU) Contours

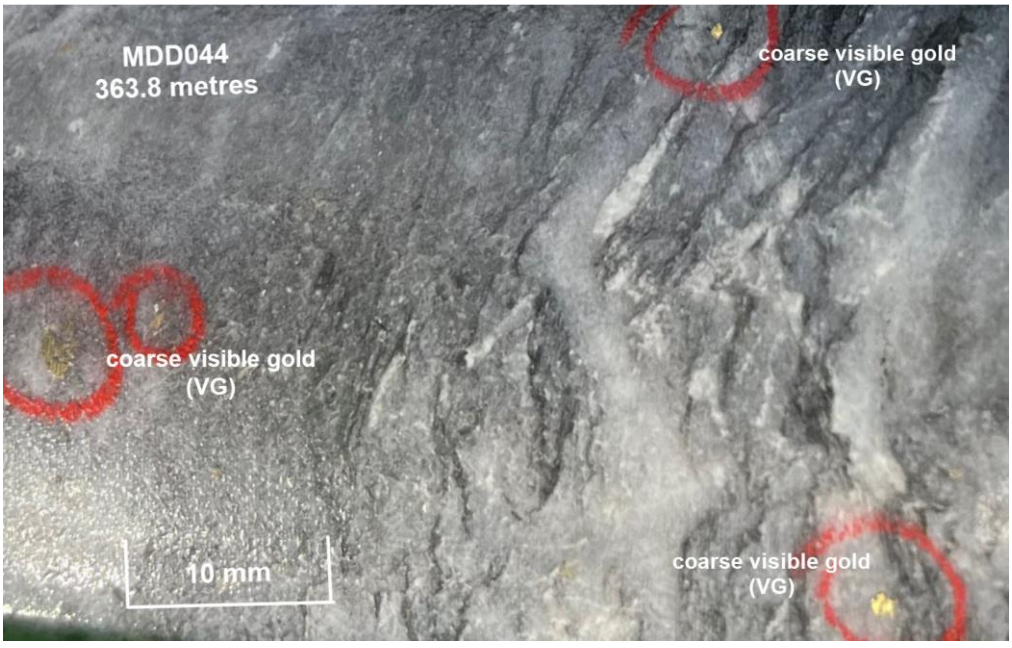


Figure 8 RAS Drillhole MDD044 coarse visible gold (VG) @ 361.7m and 363.8 m

All significant intercepts received to date from the 17 holes drilled within the mineralized zone down-plunge from the September 2021 MRE are summarised in Table 3. The assays extend this zone 740 metres in an NNE direction oblique to the drill sections. The average width of the zone is approximately 300 metres (sectional widths 200 to 370 metres) with margins appearing to be defined in the west by drillholes MDD012, MDD017 and MDD039 in the west; drillholes MDD029 and MDD036 in the east. The average aggregate thickness and grade of mineralization within the zone is 21.2 metres @ 2.91 g/t Au. The gold grade and dimensions of the extended zone have the potential to add significantly to the overall mineral resources which will be updated by the end of this quarter.

Table 3: RAS NEW EXTENSION Section Intercept Summary (Sep'21-May'22)

RAS Northern Extension DH Intercepts - Section Summary (min 0.50g/t Au, 4mid, no top-cut)										
Section	Hole ID	From (m)	Length (m)	Grade (g/t)	Section E-W Intercept width (m)	Section E-W Envelope width (m)	Section N-S influence (m)	Env*DP (m2)	Average Thickness (m)	
N5017960	MDD041	233.0	16.0	5.63						a*
N5017960	MDD031	280.8	24.2	3.93						a
N5017960	**Average**	**280.8**	**20.1**	**4.61**	**100**	**200**	**120**	**24,000**	**20.1**	
N5017840	MDD033	243.3	7.7	1.49						a
N5017840	MDD027	267.7	11.4	3.29						a
N5017840	MDD037	321.0	28.1	1.05						a**
N5017840	**Average**	**277.3**	**15.7**	**1.66**	**205**	**305**	**120**	**36,600**	**15.7**	
N5017720	MDD034R	202.0	13.0	2.90						c***
N5017720	MDD025R	264.0	14.0	9.00						c
N5017720	MDD021R	270.0	41.0	2.36						c
N5017720	**Average**	**236.0**	**22.7**	**3.83**	**230**	**330**	**120**	**39,600**	**22.7**	
N5017600	MDD018	199.0	6.0	3.70						a
N5017600	MDD023R	307.0	20.0	0.82						c
N5017600	MDD022	262.3	25.7	1.89						c
N5017600	**Average**	**230.7**	**17.2**	**1.69**	**245**	**345**	**120**	**41,400**	**17.2**	
N5017480	MDD016	193.8	23.1	7.06						a
N5017480	MDD015	195.4	22.7	1.50						a
N5017480	MDD020	185.0	40.0	0.82						c
N5017480	**Average**	**191.4**	**28.6**	**2.68**	**175**	**275**	**120**	**33,000**	**28.6**	
N5017360	MDD013	152.3	23.6	2.51						a
N5017360	MDD014	174.3	37.7	4.09						a
N5017360	MDD019R	218.0	14.7	1.92						a
N5017360	**Average**	**181.5**	**25.3**	**3.18**	**270**	**370**	**60**	**22,200**	**25.3**	
MDD013-MDD041 Statistics (17 Drillholes)				**2.91**		**300**	**660**	**196,800**	**21.2**	

a=aggregate, c=continuous, *= 50.5m **= 69.2m ***= 68.5m assays pending

First assay results from CIT Extension Drilling – MDD032, MDD035, MDD038

Six drillholes have been completed at CIT Deposit located along the RSSZ one kilometre NW of RAS.

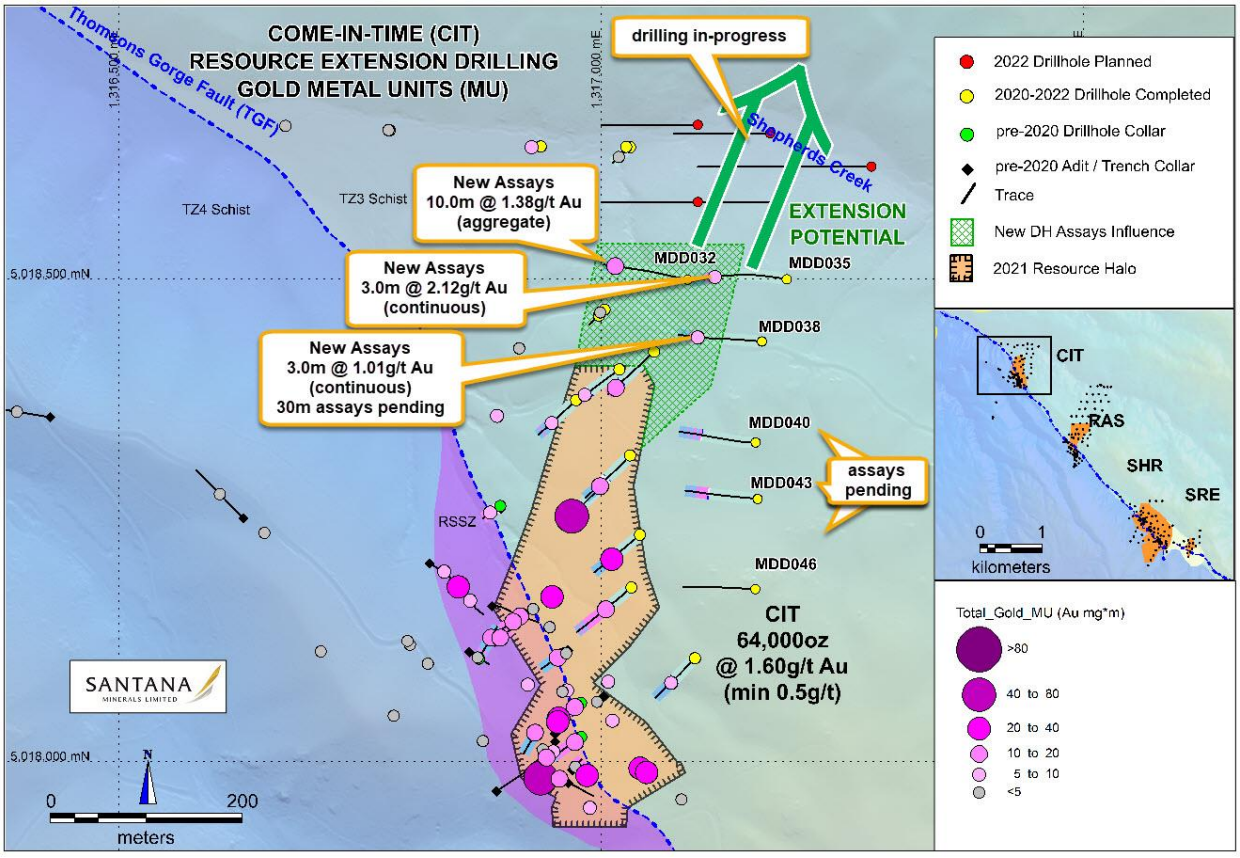


Figure 9 CIT Resource Extension Drilling - New Results / Gold Distribution

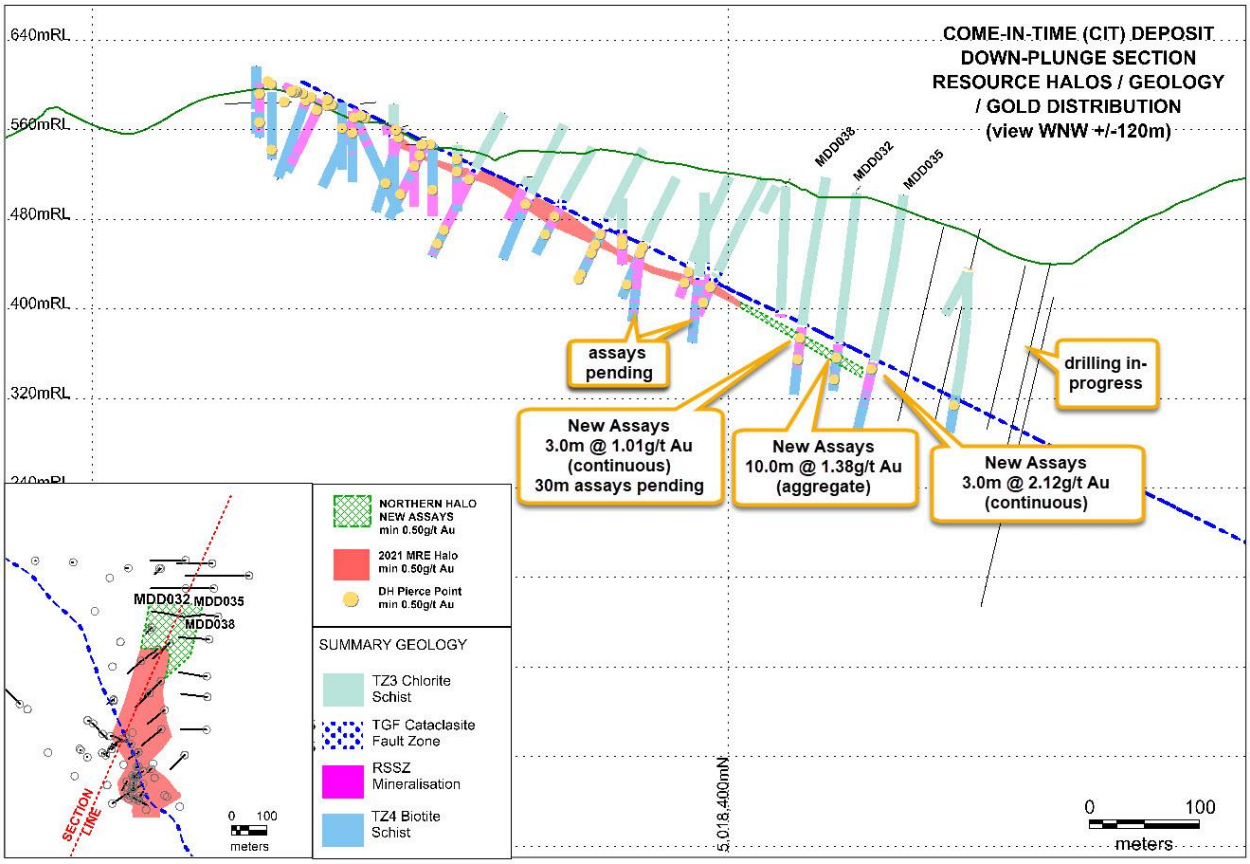


Figure 10 CIT Down-plunge Section (new assays, geology & extension envelope)

RSSZ mineralisation was intersected in all CIT extension drillholes over thicknesses between 7 and 35 metres. VG was logged in MDD035 and MDD040 in two intervals (ASX announcement on 11th May 2022) associated with laminated veinlets and arsenopyrite. The hanging wall zone of the RSSZ at CIT has generally been thinner than thicknesses encountered at RAS and assays from the first three drillholes (Figures 9 & 10, Table 4, Appendix 2) confirm down-plunge continuation of the CIT style of mineralisation. Drilling is in-progress at Shepherds Creek on section N5018680 a further 180 metres down-plunge from MDD032 & MDD035 section N5018500.

Table 4: CIT new mineralised drill intercepts

Deposit	EW Section	Drillhole	From (m)	Drill intercept (m)	Average Gold Grade (g/t) (min 0.50 g/t Au)	Comments
CIT	N5018500	MDD032	162.0	9.0	1.45	
			187.0	1.0	0.70	
			Aggregate	10.0	1.38	(over 26.0m)
		MDD035	172.0	3.0	2.12	
			Continuous	3.0	2.12	
	N5018440	MDD038	156.0	3.0	1.01	
			Continuous	3.0	1.01	30.0m assays pending

Ongoing Metallurgical Testwork

Stage 3 testwork, following on from earlier gravity-leach tests that showed 90% largely non-refractory recoverable gold, recorded gold recoveries to 99% (ASX announcement on 11th May 2022). Further preliminary results have been received for the programme designed by KCAA consultants and undertaken at ALS Metallurgical Laboratory Perth to further understand the non-refractory / refractory distribution of the RAS mineralisation.

Six composited samples, representative RAS drillholes within the centre of the RAS shoot, were subjected to standard Metallurgical laboratory gravity-cyanide leach test work to establish total recoverable gold responses. Results (Table 5) show:

- **Gold head grades ranged between 1.4 g/t and 7.9 g/t Au**
- **94% to 99% overall gold recovery for four samples (RAS-1, RAS-4, RAS-5, RAS-6)**
- **64% to 80% overall gold recovery for two samples (RAS-2, RAS-3)**

Table 5: Metallurgical Gold Recovery Testwork vs variable arsenic / sulphide mineralisation

Sample No	Sample Source (Drillholes)	Composite Type	Head Assays Measured		Testwork Gold Recovered			
			As %	S %	Calc Au g/t	Gravity %	Leach %	Total %
RAS-01	MDD014, MDD021R	Hi As, S, Au	1.44	0.66	7.40	32%	62%	94%
RAS-02	MDD014, MDD015, MDD021R, MDD022	Hi As, S, Au	2.12	0.92	4.36	17%	47%	64%
RAS-03	MDD022	Med As, S, Au	0.88	0.46	1.37	12%	68%	80%
RAS-04	MDD009, MDD022	Med As, S, Au	0.60	0.30	7.89	54%	43%	97%
RAS-05	MDD013, MDD014, MDD015	Lo As, S, Au	0.12	0.14	4.40	61%	38%	99%
RAS-06	MDD009, MDD013, MDD014, MDD015	Lo As, S, Au	0.10	0.10	2.76	75%	23%	98%

Intensive leach tests on residues with lower gold recoveries is ongoing to determine the reason and establish methods to improve, with mineralogical work and Photon Assaying underway to complete Stage 3 testwork.

Key Conclusions & Forward Programme

RAS new mineralisation now extends more than 1,400m down-plunge from outcrop (860 metres beyond the September 2021 MRE) and remains open. At Macraes Mine, 90 km southeast, the Frasers Underground shoot (FRUG) extends 2,400m down plunge.

Early results from CIT drilling extend known mineralisation 120 metres north beyond the CIT 2021 MRE. Extension and infill DD drilling is continuing at CIT and RAS deposits with reconnaissance holes also scheduled to test the down plunge extensions of SHR deposit (the largest surface footprint of the 3 main deposits).

An MRE upgrade has commenced at RAS with finalisation awaiting further assays to define extents.

Further Stage 3 follow-on gravity & leach metallurgical testwork results show 94% to 99% gold recovery in 4 samples with 64-80% in 2 others. Work is continuing to establish improved recovery methods in latter ore-types. RAS new northern mineralisation has flagged the higher-grade potential down plunge at all other prospects (which remain relatively undrilled) along the inferred 30km length of the RSSZ with the project area.

The RSSZ is emerging as a potential multi-million-ounce system similar to the world class Macraes deposit (10Moz).

This announcement has been authorised for release to the ASX by the Board.

For further information, please contact:

Richard Keevers
Executive Director
+61 408 873 353
rkeevers@westnet.com.au

Cameron Peacock
Investor Relations & Business Development
+61 439 908 732
cpeacock@santanaminerals.com

About Santana Minerals Limited Bendigo-Ophir Project

The Bendigo-Ophir Project is located on the South Island of New Zealand within the Central Otago Goldfields. The 292km2 project area comprises Minerals Exploration Permit (MEP) 60311 (252km2) and Minerals Prospecting Permit Application (MPPA) 60882 (40km2) issued to 100% owned subsidiary Matakanui Gold Ltd. The Project is located ~90 kilometres northwest of Oceana Gold Ltd (OGC) Macraes Gold Mine (Figure 11).

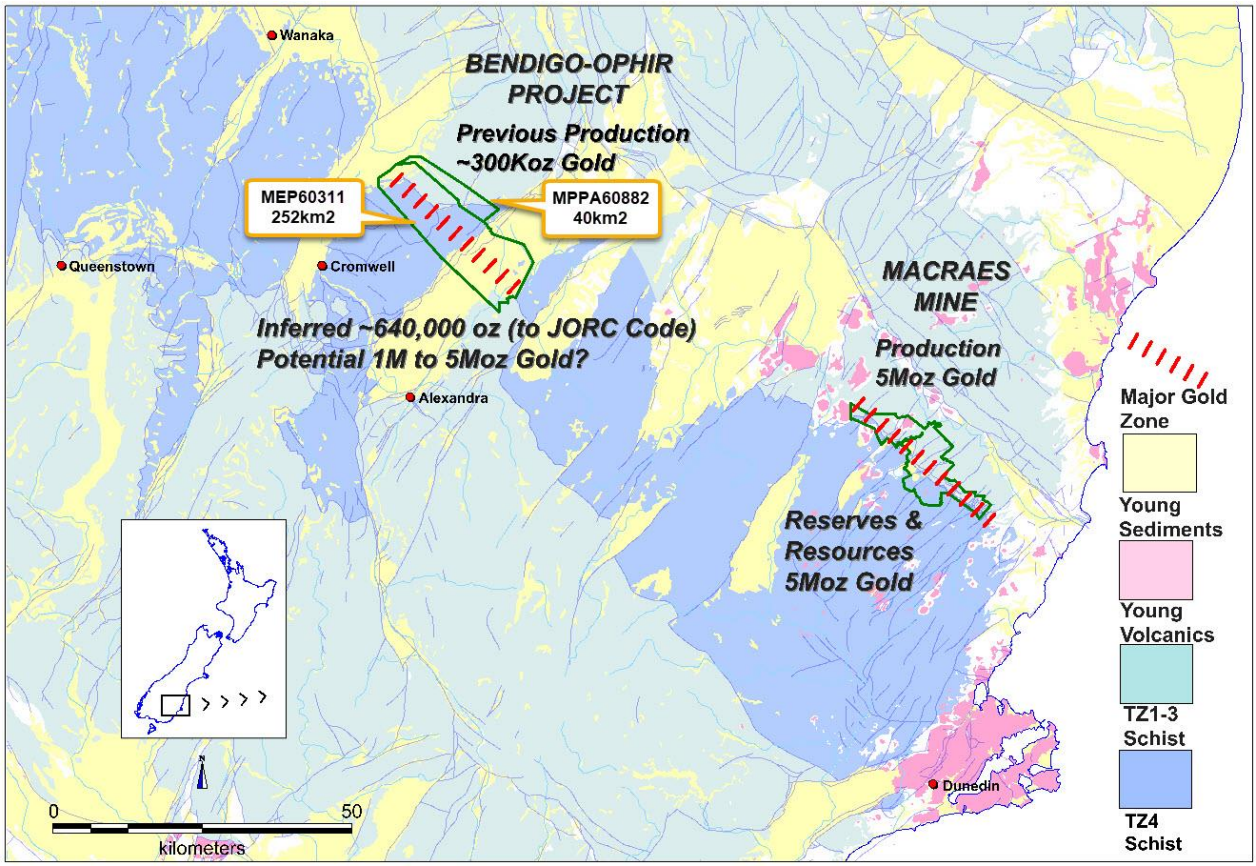


Figure 11 Bendigo-Ophir Project in the Otago Goldfield, ~90km NW of Macraes

The Project contains a new Inferred Mineral Resource Estimate (MRE2021) of 643K ounces of gold @ 1.0g/t (0.25 g/t Au lower cut-off grade, no top-cut), an estimate based on drill results to June 2021 and reported in September 2021 which the Company interprets has the potential to be further expanded and developed.

The Bendigo-Ophir resources occur in 4 deposits (Figure 1) that are inferred to extend in a northerly direction within the RSSZ which hosts gold mineralization over a recognised strike length of >20km.

The RSSZ occurs at the contact with TZ3 and TZ4 schist units separated by a regional fault (Thomsons Gorge Fault-TGF) and dips at a low angle (25°) to the north-east. The RSSZ is currently interpreted to have upper shear hosted gold mineralization (HWS) 10-40 metres in width above quartz vein and stockwork related gold mineralization extending >120 metres below the HWS which is largely untested down-plunge and at depth.

The Company embarked on diamond drilling (DD) and reverse circulation (RC) drilling programmes in November 2020 with the immediate objective to increase the existing resources by drill testing the down plunge extensions of known mineralisation. The Company is focusing on advanced precious metals opportunities in New Zealand and Mexico.

Previous Disclosure - 2012 JORC Code

Information relating to Mineral Resources, Exploration Targets and Exploration Data associated with the Company's projects in this announcement is extracted from the following ASX Announcements:

- ASX announcement titled "Drill Assays, Modelling & Metallurgy–Building Bendigo-Ophir Gold Assets" dated 1 July 2021.
- ASX announcement titled "Gold Resources Increased 155% to 643Koz" dated 28 September 2021
- ASX announcement titled "Bonanza gold grades continue beyond new Rise & Shine Resources" dated 23 December 2021
- ASX announcement titled "Impressive Drill Assays and Metallurgical Testwork Results" dated 3 March 2022
- ASX announcement titled "Rise & Shine Drilling continues to deliver high gold grades" dated 20 April 2022
- ASX announcement titled "Rise & Shine Mineralisation extends North, Metallurgy Updates" dated 11 May 2022

A copy of such announcement is available to view on the Santana Minerals Limited website www.santanaminerals.com. The reports were issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. 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. 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.

Current Disclosure - Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Richard Keevers, a Competent Person who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Keevers is a Director of Santana Minerals Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which is 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.' Mr Keevers consents to the inclusion in this report of the matters based on his information in the form and context in which it appears. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified.

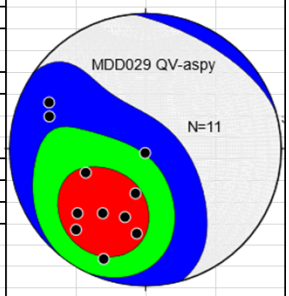
Forward Looking Statements

Forward-looking statements in this announcement include, but are not limited to, statements with respect to Santana's plans, strategy, activities, events or developments the Company believes, expects or anticipates will or may occur. By their very nature, forward-looking statements require Santana to make assumptions that may not materialize or that may not be accurate. Although Santana believes that the expectations reflected in the forward-looking statements in this announcement are reasonable, no assurance can be given that these expectations will prove to have been correct, as actual results and future events could differ materially from those anticipated in the forward-looking statements. Accordingly, viewers are cautioned not to place undue reliance on forward-looking statements. Santana does not undertake to update publicly or to revise any of the included forward-looking statements, except as may be required under applicable securities laws.

SANTANA MINERALS LIMITED

Appendix 1 RAS MDD029 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD029	307.0	308.0	1.0	MG12064	-0.01									
MDD029	308.0	309.0	1.0	MG12065	-0.01					TZ3				
MDD029	309.0	310.0	1.0	MG12066	-0.01									
MDD029	310.0	310.6	0.6	MG12067	0.02					TGF				
MDD029	310.6	311.0	0.4	MG12068	0.68			1.4	1.85					
MDD029	311.0	312.0	1.0	MG12069	2.32					RSSZ				
MDD029	312.0	313.0	1.0	MG12070	0.43									
MDD029	313.0	314.0	1.0	MG12071	0.04	7.4	0.53					39	69	
MDD029	314.0	315.0	1.0	MG12072	0.12					TZ4				
MDD029	315.0	316.0	1.0	MG12073	0.22					RSSZ				
MDD029	316.0	317.0	1.0	MG12074	0.13					TZ4		47	34	
MDD029	317.0	318.0	1.0	MG12075	0.36									
MDD029	318.0	319.0	1.0	MG12076	0.18									
MDD029	319.0	320.0	1.0	MG12077	0.20									
MDD029	320.0	321.0	1.0	MG12078	0.10							67	41	
MDD029	321.0	322.0	1.0	MG12079*	0.82			2.0	0.93			52	6	
MDD029	322.0	323.0	1.0	MG12080	1.04							75	21	
MDD029	323.0	324.0	1.0	MG12081	0.02	5.0	0.48							
MDD029	324.0	325.0	1.0	MG12082	0.28					RSSZ				
MDD029	325.0	326.0	1.0	MG12083	0.26									
MDD029	326.0	327.0	1.0	MG12084	0.08									
MDD029	327.0	328.0	1.0	MG12088	0.17									
MDD029	328.0	329.0	1.0	MG12089	0.05									
MDD029	329.0	330.0	1.0	MG12090	0.04									
MDD029	330.0	331.0	1.0	MG12091	0.16									
MDD029	331.0	332.0	1.0	MG12092	0.03									
MDD029	332.0	333.0	1.0	MG12093	1.45					TZ4				
MDD029	333.0	334.0	1.0	MG12094*	0.35	4.0	0.81	4.0	0.81	RSSZ		68	116	
MDD029	334.0	335.0	1.0	MG12095	0.10					TZ4				
MDD029	335.0	336.0	1.0	MG12096	1.34									
MDD029	336.0	337.0	1.0	MG12097	0.22					RSSZ				
MDD029	337.0	338.0	1.0	MG12098	0.07									
MDD029	338.0	339.0	1.0	MG12099	0.10									
MDD029	339.0	340.0	1.0	MG12100	-0.01									
MDD029	340.0	341.0	1.0	MG12101	-0.01					TZ4				
MDD029	341.0	342.0	1.0	MG12102	-0.01									
MDD029	342.0	343.0	1.0	MG12103	-0.01									
MDD029	343.0	344.0	1.0	MG12104	0.17									
MDD029	344.0	345.0	1.0	MG12105	0.01									
MDD029	345.0	346.0	1.0	MG12106	-0.01									
MDD029	346.0	347.0	1.0	MG12107	0.03					RSSZ				
MDD029	347.0	348.0	1.0	MG12111	0.02									
MDD029	348.0	349.0	1.0	MG12112	0.02									
MDD029	349.0	350.0	1.0	MG12113*	0.15									
MDD029	350.0	351.0	1.0	MG12114	0.02									
MDD029	351.0	352.0	1.0	MG12115	-0.01					TZ4				
MDD029	352.0	353.0	1.0	MG12116	0.04							58	47	
MDD029	353.0	354.0	1.0	MG12117	-0.01									
MDD029	354.0	355.0	1.0	MG12118	0.30					RSSZ				
MDD029	355.0	356.0	1.0	MG12119	0.02							27	13	
MDD029	356.0	357.0	1.0	MG12120	0.03					TZ4				
MDD029	357.0	358.0	1.0	MG12121	0.02					RSSZ				
MDD029	358.0	359.0	1.0	MG12122	0.02					TZ4				
MDD029	359.0	360.0	1.0	MG12123	-0.01									
MDD029	360.0	361.0	1.0	MG12124	-0.01					RSSZ				
MDD029	361.0	362.0	1.0	MG12125	-0.01									
MDD029	362.0	363.0	1.0	MG12126	0.02					TZ4				
MDD029	363.0	364.0	1.0	MG12127	-0.01									
MDD029	364.0	365.0	1.0	MG12128	-0.01									
MDD029	365.0	366.0	1.0	MG12129	-0.01									
MDD029	366.0	367.0	1.0	MG12130	-0.01					RSSZ				
MDD029	367.0	368.0	1.0	MG12131	-0.01							64	109	
MDD029	368.0	369.0	1.0	MG12135	-0.01					TZ4				
MDD029	369.0	370.0	1.0	MG12136	0.01									



MG12079* = quartered core, duplicate MG12085 = 0.87 g/t Au
MG12094* = quartered core, duplicate MG12109 = 0.81 g/t Au
MG12113* = quartered core, duplicate MG12132 = 0.13 g/t Au
MG12138* = quartered core, duplicate MG12154 = 0.02 g/t Au

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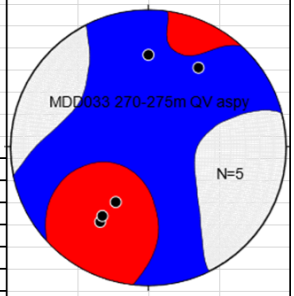
Appendix 1 RAS MDD033 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD033	239.0	240.0	1.0	MG13596	-0.01									
MDD033	240.0	241.0	1.0	MG13597	-0.01					TZ3				
MDD033	241.0	242.4	1.4	MG13598	-0.01									
MDD033	242.4	243.3	0.9	MG13599	0.12					TGF				
MDD033	243.3	244.0	0.7	MG13600	1.02									
MDD033	244.0	245.0	1.0	MG13601	0.73									
MDD033	245.0	246.0	1.0	MG13602	0.50									
MDD033	246.0	247.0	1.0	MG13603*	0.41	6.7	0.77	6.7	0.77		P			
MDD033	247.0	248.0	1.0	MG13604	0.89									
MDD033	248.0	249.0	1.0	MG13605	0.77									
MDD033	249.0	250.0	1.0	MG13606	1.12					RSSZ				
MDD033	250.0	251.0	1.0	MG13607	0.22									
MDD033	251.0	252.0	1.0	MG13608	0.06									
MDD033	252.0	253.0	1.0	MG13609	0.03									
MDD033	253.0	254.0	1.0	MG13610	0.05							27	52	
MDD033	254.0	255.0	1.0	MG13611	0.08									
MDD033	255.0	256.0	1.0	MG13612	0.09									
MDD033	256.0	257.0	1.0	MG13613	0.01									
MDD033	257.0	258.0	1.0	MG13614	0.05					TZ4				
MDD033	258.0	259.0	1.0	MG13618	0.12									
MDD033	259.0	260.0	1.0	MG13619	0.01					RSSZ				
MDD033	260.0	261.0	1.0	MG13620	0.02									
MDD033	261.0	262.0	1.0	MG13621	0.01					TZ4				
MDD033	262.0	263.0	1.0	MG13622	0.05									
MDD033	264.0	265.0	1.0	MG13624	0.10									
MDD033	265.0	266.0	1.0	MG13625	0.03					RSSZ				
MDD033	266.0	267.0	1.0	MG13626	0.01					TZ4				
MDD033	267.0	268.0	1.0	MG13627	0.03									
MDD033	268.0	269.0	1.0	MG13628	0.26	2.0	3.27							
MDD033	269.0	270.0	1.0	MG13629*	6.28			1.0	6.28		P			
MDD033	270.0	271.0	1.0	MG13630	0.13							54	33	
MDD033	271.0	272.0	1.0	MG13631	0.07					RSSZ		57	180	
MDD033	272.0	273.0	1.0	MG13632	0.18									
MDD033	273.0	274.0	1.0	MG13633	0.10							58	212	
MDD033	274.0	275.0	1.0	MG13634	0.06							50	34	
MDD033	275.0	276.0	1.0	MG13635	0.11							38	31	
MDD033	276.0	277.0	1.0	MG13636	-0.01					TZ4				
MDD033	277.0	278.0	1.0	MG13640	0.03									
MDD033	278.0	279.0	1.0	MG13641*	-0.01					RSSZ				
MDD033	279.0	280.0	1.0	MG13642	0.02					TZ4				
MDD033	280.0	281.0	1.0	MG13643	0.01					RSSZ				
MDD033	281.0	282.0	1.0	MG13644	-0.01									
MDD033	282.0	283.0	1.0	MG13645	-0.01					TZ4				
MDD033	283.0	284.0	1.0	MG13646	-0.01									
MDD033	284.0	285.0	1.0	MG13647	0.02									
MDD033	285.0	286.0	1.0	MG13648	0.03					RSSZ				
MDD033	286.0	287.0	1.0	MG13649	0.01					TZ4				
MDD033	287.0	288.0	1.0	MG13650	0.04					RSSZ				
MDD033	288.0	289.0	1.0	MG13651	0.13					RSSZ				
MDD033	289.0	290.0	1.0	MG13652	-0.01									
MDD033	290.0	291.0	1.0	MG13653	0.03									
MDD033	291.0	292.0	1.0	MG13654	0.13									
MDD033	292.0	293.0	1.0	MG13655	-0.01					TZ4				
MDD033	293.0	294.0	1.0	MG13656	-0.01									
MDD033	294.0	295.0	1.0	MG13657	-0.01									
MDD033	295.0	296.0	1.0	MG13658	0.02									
MDD033	296.0	297.0	1.0	MG13662*	0.07					RSSZ				



MG13603* = quartered core, duplicate MG13615 = 0.83 g/t Au
MG13629* = quartered core, duplicate MG13637 = 1.39 g/t Au
MG13641* = quartered core, duplicate MG13659 = <0.01 g/t Au
MG13662* = quartered core, duplicate MG13681 = 0.15 g/t Au
MG13689* = quartered core, duplicate MG13706 = 0.02 g/t Au

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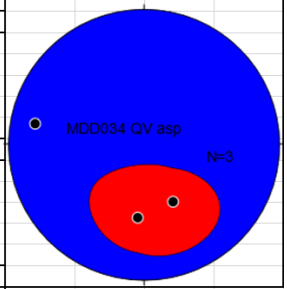
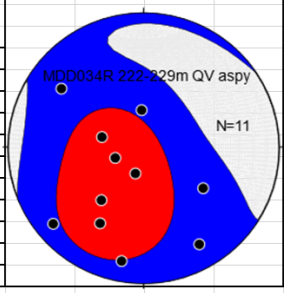
Appendix 1 RAS MDD034 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD034	197.9	199	1.1	MG13557	0.18									
MDD034	199	200	1.0	MG13558	0.14					RSSZ				
MDD034	200	201	1.0	MG13559	0.21									
MDD034	201	202	1.0	MG13560	0.37									
MDD034	202	203	1.0	MG13561	0.57	4.0	0.37	1.0	0.57					
MDD034	203	204	1.0	MG13562	0.20									
MDD034	204	205	1.0	MG13563	0.33									
MDD034	205	206	1.0	MG13564	0.11					TZ4				
MDD034	206	207	1.0	MG13565	0.09									
MDD034	207	208	1.0	MG13566	0.10									
MDD034	208	209	1.0	MG13567	0.09									
MDD034	209	210	1.0	MG13568	1.24					RSSZ				
MDD034	210	211	1.0	MG13569	0.12					TZ4				
MDD034	211	212	1.0	MG13570	0.08									
MDD034	212	213	1.0	MG13571	0.27	6.0	0.65	6.0	0.65					
MDD034	213	214	1.0	MG13572	1.48									
MDD034	214	215	1.0	MG13573	0.69									
MDD034	215	216	1.0	MG13574	0.09									
MDD034	216	217	1.0	MG13575	-0.01									
MDD034	217	218	1.0	MG13576	0.03									
MDD034	218	219	1.0	MG13580	0.03									
MDD034	219	220	1.0	MG13581	0.04									
MDD034	220	221	1.0	MG13582	0.13									
MDD034	221	222	1.0	MG13583*	0.87			1.0	0.87		P	71	101	
MDD034	222	223	1.0	MG13584	0.21	3.0	0.47			RSSZ				
MDD034	223	224	1.0	MG13585	0.33									
MDD034	224	225	1.0	MG13586	0.18									
MDD034	225	226	1.0	MG13587	0.17									
MDD034	226	227	1.0	MG13588	0.02									
MDD034	227	228	1.0	MG13589	0.02							45	5	
MDD034	228	229	1.0	MG13590	0.08									
MDD034	229	230	1.0	MG13591	0.06									
MDD034	230	231	1.0	MG13592	0.12									
MDD034	231	232	1.0	MG13593	-0.01									
MDD034	232	233	1.0	MG13594	-0.01									
MDD034	233	233.7	0.7	MG13595	0.04							39	333	



MG13583* = quartered core, duplicate MG13577 =10.1 g/t Au

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD034R	193.0	194.0	1.0	MG15001	-0.01									
MDD034R	194.0	195.0	1.0	MG15002	-0.01					TZ3				
MDD034R	195.0	196.4	1.4	MG15003	-0.01									
MDD034R	196.4	197.3	0.9	MG15004	0.02					TGF				
MDD034R	197.3	198.0	0.7	MG15005	0.25									
MDD034R	198.0	199.0	1.0	MG15006	0.32									
MDD034R	199.0	200.0	1.0	MG15007	0.31									
MDD034R	200.0	201.0	1.0	MG15008	0.21									
MDD034R	201.0	202.0	1.0	MG15009	0.41									
MDD034R	202.0	203.0	1.0	MG15010	0.87									
MDD034R	203.0	204.0	1.0	MG15011	1.55	12.7	0.52			RSSZ				
MDD034R	204.0	205.0	1.0	MG15012	0.17									
MDD034R	205.0	206.0	1.0	MG15013	0.18			8.0	0.65					
MDD034R	206.0	207.0	1.0	MG15014	0.15									
MDD034R	207.0	208.0	1.0	MG15015	0.39									
MDD034R	208.0	209.0	1.0	MG15016	0.52									
MDD034R	209.0	210.0	1.0	MG15017	1.34									
MDD034R	210.0	211.0	1.0	MG15018	0.19									
MDD034R	211.0	212.0	1.0	MG15019	0.15									
MDD034R	212.0	213.0	1.0	MG15020	-0.01									
MDD034R	213.0	214.0	1.0	MG15024	0.02					TZ4				
MDD034R	214.0	215.0	1.0	MG15025	0.06									
MDD034R	215.0	216.0	1.0	MG15026	0.05					RSSZ				
MDD034R	216.0	217.0	1.0	MG15027	0.10									
MDD034R	217.0	218.0	1.0	MG15028	0.05									
MDD034R	218.0	219.0	1.0	MG15029	-0.01					TZ4				
MDD034R	219.0	220.0	1.0	MG15030	-0.01									
MDD034R	220.0	221.0	1.0	MG15031	0.55									
MDD034R	221.0	222.0	1.0	MG15032	0.03							18	71	
MDD034R	222.0	223.0	1.0	MG15033	0.03			5.0	6.49			16	18	
MDD034R	223.0	224.0	1.0	MG15034	0.06	8.0	4.17					26	105	
MDD034R	224.0	225.0	1.0	MG15035*	31.80					RSSZ	P	71	330	
MDD034R	225.0	226.0	1.0	MG15036	0.32							76	50	
MDD034R	226.0	227.0	1.0	MG15037	0.28							23	177	
MDD034R	227.0	228.0	1.0	MG15038	0.32							74	11	
MDD034R	228.0	229.0	1.0	MG15039	0.17							54	30	
MDD034R	229.0	230.0	1.0	MG15040	0.12							44	304	
MDD034R	230.0	231.0	1.0	MG15041	0.05					TZ4		41	39	
MDD034R	231.0	232.0	1.0	MG15042	0.03					RSSZ		64	126	



MG15035* = quartered core, duplicate MG15043 yet to report

** assays pending to 300.5m (68.5 metres)

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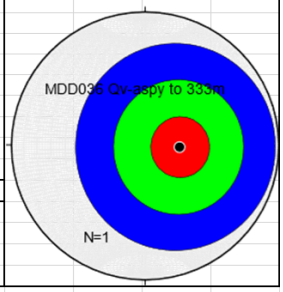
Appendix 1 RAS MDD036 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

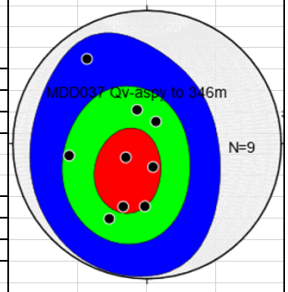
Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD036	297.0	298.0	1.0	MG15124	-0.01					TZ3				
MDD036	298.0	298.7	0.6	MG15125	-0.01									
MDD036	298.7	299.1	0.4	MG15126	0.03					TGF				
MDD036	299.1	300.0	0.9	MG15127	0.20									
MDD036	300.0	301.0	1.0	MG15128*	0.46	2.0	0.64							
MDD036	301.0	302.0	1.0	MG15129	0.82			1.0	0.82					
MDD036	302.0	303.0	1.0	MG15130	0.07									
MDD036	303.0	304.0	1.0	MG15131	0.03									
MDD036	304.0	305.0	1.0	MG15132	0.05									
MDD036	305.0	306.0	1.0	MG15133	-0.01									
MDD036	306.0	307.0	1.0	MG15134	0.06									
MDD036	307.0	308.0	1.0	MG15135	0.01									
MDD036	308.0	309.0	1.0	MG15136	-0.01									
MDD036	309.0	310.0	1.0	MG15137	0.02									
MDD036	310.0	311.0	1.0	MG15138	0.02									
MDD036	311.0	312.0	1.0	MG15139	0.03					RSSZ				
MDD036	312.0	313.0	1.0	MG15140	0.10									
MDD036	313.0	314.0	1.0	MG15141	0.09									
MDD036	314.0	315.0	1.0	MG15142	0.05									
MDD036	315.0	316.0	1.0	MG15143	1.04	2.0	3.44	2.0	3.44					
MDD036	316.0	317.0	1.0	MG15147	5.84									
MDD036	317.0	318.0	1.0	MG15148	0.02									
MDD036	318.0	319.0	1.0	MG15149	0.04									
MDD036	319.0	320.0	1.0	MG15150	0.13									
MDD036	320.0	321.0	1.0	MG15151	-0.01									
MDD036	321.0	322.0	1.0	MG15152	0.03									
MDD036	322.0	323.0	1.0	MG15153	0.03									
MDD036	323.0	324.0	1.0	MG15154	0.09									
MDD036	324.0	325.0	1.0	MG15155	0.28									
MDD036	325.0	326.0	1.0	MG15156	0.05					TZ4				
MDD036	326.0	327.0	1.0	MG15157	0.05									
MDD036	327.0	328.0	1.0	MG15158	0.01									
MDD036	328.0	329.0	1.0	MG15159	0.07							21	272	
MDD036	329.0	330.0	1.0	MG15160	0.04					RSSZ				
MDD036	330.0	331.0	1.0	MG15161	0.08									
MDD036	331.0	332.0	1.0	MG15162*	0.25	2.0	0.61							
MDD036	332.0	333.0	1.0	MG15163	0.96			1.0	0.96					



MG15128* = quartered core, duplicate MG15144 = 0.20 g/t Au
MG15162* = quartered core, duplicate MG15167 yet to report
assays pending to 372.5m (39.5 metres)

Appendix 1 RAS MDD037 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD037	318.0	319.0	1.0	MG12287	-0.01					TZ3				
MDD037	319.0	320.3	1.3	MG12288	-0.01									
MDD037	320.3	321.0	0.6	MG12289	0.01					TGF				
MDD037	321.0	322.0	1.1	MG12290	1.25									
MDD037	322.0	323.0	1.0	MG12291	0.77			3.1	0.98					
MDD037	323.0	324.0	1.0	MG12292*	0.91							14	345	
MDD037	324.0	325.0	1.0	MG12293	0.26							49	82	
MDD037	325.0	326.0	1.0	MG12294	0.19									
MDD037	326.0	327.0	1.0	MG12295	0.19									
MDD037	327.0	328.0	1.0	MG12296	0.28									
MDD037	328.0	329.0	1.0	MG12297	0.09									
MDD037	329.0	330.0	1.0	MG12298	0.55									
MDD037	330.0	331.0	1.0	MG12299	0.65									
MDD037	331.0	332.0	1.0	MG12300	0.21									
MDD037	332.0	333.0	1.0	MG12301	0.46									
MDD037	333.0	334.0	1.0	MG12302	1.45							67	145	
MDD037	334.0	335.0	1.0	MG12303	1.35			12.0	1.04			52	27	
MDD037	335.0	336.0	1.0	MG12304	2.29							41	21	
MDD037	336.0	337.0	1.0	MG12305	2.30									
MDD037	337.0	338.0	1.0	MG12309	1.71									
MDD037	338.0	339.0	1.0	MG12310	0.12	35.1	0.88			RSSZ				
MDD037	339.0	340.0	1.0	MG12311	0.69							22	164	
MDD037	340.0	341.0	1.0	MG12312	0.64							15	59	
MDD037	341.0	342.0	1.0	MG12313	0.17							38	2	
MDD037	342.0	343.0	1.0	MG12314	0.36									
MDD037	343.0	344.0	1.0	MG12315	5.04									
MDD037	344.0	345.0	1.0	MG12316	0.69									
MDD037	345.0	346.0	1.0	MG12317	0.26									
MDD037	346.0	347.0	1.0	MG12318	0.14							15	201	
MDD037	347.0	348.0	1.0	MG12319	0.56									
MDD037	348.0	349.0	1.0	MG12320	0.49									
MDD037	349.0	350.0	1.0	MG12321	1.10			13.0	1.07					
MDD037	350.0	351.0	1.0	MG12322*	1.56									
MDD037	351.0	352.0	1.0	MG12323	1.56									
MDD037	352.0	353.0	1.0	MG12324	0.52									
MDD037	353.0	354.0	1.0	MG12325	0.05									
MDD037	354.0	355.0	1.0	MG12326	0.96									
MDD037	355.0	356.0	1.0	MG12327	1.03									



MG12292* = quartered core, duplicate MG12306 = 0.80 g/t Au
MG12322* = quartered core, duplicate MG12328 yet to report
assays pending to 425.2m (69.2 metres)

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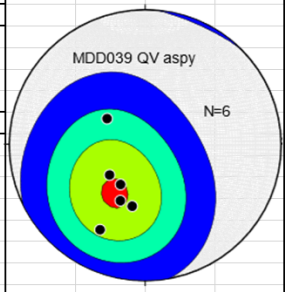
Appendix 1 RAS MDD039 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD039	180.0	181.0	1.0	MG15213	-0.01									
MDD039	181.0	182.0	1.0	MG15214	-0.01					TZ3				
MDD039	182.0	182.9	0.9	MG15215	-0.01									
MDD039	182.9	183.7	0.8	MG15216	0.06					TGF				
MDD039	183.7	185.0	1.3	MG15217	1.07	1.3	1.07	1.3	1.07					
MDD039	185.0	186.0	1.0	MG15218	0.06									
MDD039	186.0	187.0	1.0	MG15219	-0.01							60	28	
MDD039	187.0	188.0	1.0	MG15220	0.15					RSSZ		28	32	
MDD039	188.0	189.0	1.0	MG15221	0.21									
MDD039	189.0	190.0	1.0	MG15222	0.06							38	12	
MDD039	190.0	191.0	1.0	MG15223	0.07									
MDD039	191.0	192.0	1.0	MG15224	-0.01					TZ4				
MDD039	192.0	193.0	1.0	MG15225	0.47	2.0	0.38							
MDD039	193.0	194.0	1.0	MG15226	0.29					RSSZ				
MDD039	194.0	195.0	1.0	MG15227*	-0.01							28	125	
MDD039	195.0	196.0	1.0	MG15228	-0.01									
MDD039	196.0	197.0	1.0	MG15229	-0.01									
MDD039	197.0	198.0	1.0	MG15230	-0.01									
MDD039	198.0	199.0	1.0	MG15231	3.42	1.0	3.42	1.0	3.42	TZ4				
MDD039	199.0	200.0	1.0	MG15232	-0.01									
MDD039	200.0	201.0	1.0	MG15236	-0.01									
MDD039	201.0	202.0	1.0	MG15237	-0.01					RSSZ				
MDD039	202.0	203.0	1.0	MG15238	-0.01									
MDD039	203.0	204.0	1.0	MG15239	0.04									
MDD039	204.0	205.0	1.0	MG15240	0.11							28	50	
MDD039	205.0	206.0	1.0	MG15241	0.42									
MDD039	206.0	207.0	1.0	MG15242	-0.01					TZ4				
MDD039	207.0	208.0	1.0	MG15243	0.02									
MDD039	208.0	209.0	1.0	MG15244	-0.01									
MDD039	209.0	210.0	1.0	MG15245	-0.01									
MDD039	210.0	211.0	1.0	MG15246	0.02									
MDD039	211.0	212.0	1.0	MG15247	-0.01									
MDD039	212.0	213.0	1.0	MG15248	0.13					RSSZ				
MDD039	213.0	214.0	1.0	MG15249*	0.09							37	24	
MDD039	214.0	215.0	1.0	MG15250	0.03					TZ4				
MDD039	215.0	216.0	1.0	MG15251	-0.01					RSSZ				
MDD039	216.0	217.0	1.0	MG15252	-0.01									
MDD039	217.0	218.0	1.0	MG15253	-0.01					TZ4				
MDD039	218.0	219.0	1.0	MG15254	-0.01									
MDD039	219.0	220.0	1.0	MG15255	0.01									

MG15227* = quartered core, duplicate MG15233 = <0.01 g/t Au

MG15249* = quartered core, duplicate MG15256 yet to report

*** assays pending to 256.1m (36.1 metres)**

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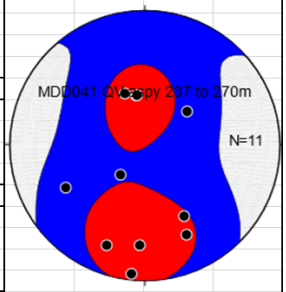
Appendix 1 RAS MDD041 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD041	231.0	232.0	1.0	MG12409	**-0.01**					TZ3				
MDD041	232.0	233.0	1.0	MG12410	**-0.01**									
MDD041	233.0	233.7	0.7	MG12411	**0.60**					TGF				
MDD041	233.7	235.0	1.3	MG12412	**2.13**									
MDD041	235.0	236.0	1.0	MG12413	**41.00**									
MDD041	236.0	237.0	1.0	MG12414	**21.30**									
MDD041	237.0	238.0	1.0	MG12415*	**12.30**			**10.0**	**8.20**		P	63	3	
MDD041	238.0	239.0	1.0	MG12416	**0.26**									
MDD041	239.0	240.0	1.0	MG12417	**1.32**									
MDD041	240.0	241.0	1.0	MG12418	**0.41**									
MDD041	241.0	242.0	1.0	MG12419	**1.27**	**16.0**	**5.26**							
MDD041	242.0	243.0	1.0	MG12420	**0.99**									
MDD041	243.0	244.0	1.0	MG12421	**0.38**									
MDD041	244.0	245.0	1.0	MG12422	**0.17**									
MDD041	245.0	246.0	1.0	MG12423	**0.05**							33	231	
MDD041	246.0	247.0	1.0	MG12424	**0.42**									
MDD041	247.0	248.0	1.0	MG12425	**0.61**			**1.0**	**0.61**					
MDD041	248.0	249.0	1.0	MG12426	**0.49**									
MDD041	249.0	250.0	1.0	MG12427	**0.20**					RSSZ				
MDD041	250.0	251.0	1.0	MG12428	**-0.01**							56	62	
MDD041	251.0	252.0	1.0	MG12429	**0.04**									
MDD041	252.0	253.0	1.0	MG12433	**0.02**									
MDD041	253.0	254.0	1.0	MG12434	**2.47**									
MDD041	254.0	255.0	1.0	MG12435	**0.03**									
MDD041	255.0	256.0	1.0	MG12436	**0.05**	**5.0**	**1.50**	**5.0**	**1.50**			31	170	
MDD041	256.0	257.0	1.0	MG12437	**0.02**									
MDD041	257.0	258.0	1.0	MG12438*	**4.94**									
MDD041	258.0	259.0	1.0	MG12439	**0.02**									
MDD041	259.0	260.0	1.0	MG12440	**0.07**									
MDD041	260.0	261.0	1.0	MG12441	**0.04**							23	40	
MDD041	261.0	262.0	1.0	MG12442	**0.04**							50	331	
MDD041	262.0	263.0	1.0	MG12443	**-0.01**							68	21	
MDD041	263.0	264.0	1.0	MG12444	**0.07**									
MDD041	264.0	265.0	1.0	MG12445	**0.05**									
MDD041	265.0	266.0	1.0	MG12446	**0.01**							62	335	
MDD041	266.0	267.0	1.0	MG12447	**0.01**					TZ4				
MDD041	267.0	268.0	1.0	MG12448	**-0.01**									
MDD041	268.0	269.0	1.0	MG12449	**0.01**									
MDD041	269.0	270.0	1.0	MG12450	**-0.01**					RSSZ		34	159	
MDD041	270.0	271.0	1.0	MG12451	**0.03**							31	171	
MDD041	271.0	272.0	1.0	MG12452	**0.14**									
MDD041	272.0	273.0	1.0	MG12453	**0.01**									



MG12415* = quartered core, duplicate MG12430 = 11.50 g/t Au
MG12438* = quartered core, duplicate MG12454 yet to report
** assays pending to 323.5m (50.5 metres)**

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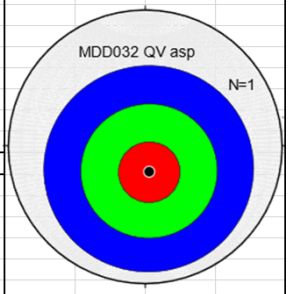
Appendix 2 CIT MDD032 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD032	148.0	149.0	1.0	MG13502	**0.02**									
MDD032	149.0	150.0	1.0	MG13503	**-0.01**					**TZ3**				
MDD032	150.0	151.0	1.0	MG13504	**-0.01**									
MDD032	151.0	152.8	1.8	MG13505	**0.46**					**TGF**				
MDD032	152.8	154.0	1.2	MG13506	**0.16**									
MDD032	154.0	155.0	1.0	MG13507	**0.13**									
MDD032	155.0	156.0	1.0	MG13508*	**0.19**									
MDD032	156.0	157.0	1.0	MG13509	**0.20**					**RSSZ**				
MDD032	157.0	158.0	1.0	MG13510	**0.24**									
MDD032	158.0	159.0	1.0	MG13511	**0.13**									
MDD032	159.0	160.0	1.0	MG13512	**0.22**									
MDD032	160.0	161.0	1.0	MG13513	**0.18**									
MDD032	161.0	162.0	1.0	MG13514	**0.36**									
MDD032	162.0	163.0	1.0	MG13515	**0.58**					**TZ4**				
MDD032	163.0	164.0	1.0	MG13516	**0.12**									
MDD032	164.0	165.0	1.0	MG13517	**0.33**									
MDD032	165.0	166.0	1.0	MG13518	**4.14**	**10.0**	**1.34**	**9.0**	**1.45**	**RSSZ**				
MDD032	166.0	167.0	1.0	MG13519	**3.73**									
MDD032	167.0	168.0	1.0	MG13520	**0.05**									
MDD032	168.0	169.0	1.0	MG13521	**1.30**									
MDD032	169.0	170.0	1.0	MG13525	**0.73**									
MDD032	170.0	171.0	1.0	MG13526	**2.10**									
MDD032	171.0	172.0	1.0	MG13527	**0.09**					**TZ4**				
MDD032	172.0	173.0	1.0	MG13528	**0.04**									
MDD032	173.0	174.0	1.0	MG13529	**0.11**									
MDD032	174.0	175.0	1.0	MG13530	**-0.01**									
MDD032	175.0	176.0	1.0	MG13531	**-0.01**									
MDD032	176.0	177.0	1.0	MG13532	**0.05**									
MDD032	177.0	178.0	1.0	MG13533	**-0.01**									
MDD032	178.0	179.0	1.0	MG13534	**0.26**									
MDD032	179.0	180.0	1.0	MG13535*	**0.06**					**RSSZ**		**15**	**351**	
MDD032	180.0	181.0	1.0	MG13536	**-0.01**									
MDD032	181.0	182.0	1.0	MG13537	**-0.01**									
MDD032	182.0	183.0	1.0	MG13538	**-0.01**									
MDD032	183.0	184.0	1.0	MG13539	**-0.01**									
MDD032	184.0	185.0	1.0	MG13540	**-0.01**									
MDD032	185.0	186.0	1.0	MG13541	**0.04**									
MDD032	186.0	187.0	1.0	MG13542	**0.14**									
MDD032	187.0	188.0	1.0	MG13543	**0.70**									
MDD032	188.0	189.0	1.0	MG13544	**0.03**					**TZ4**				
MDD032	189.0	190.0	1.0	MG13548	**0.03**									
MDD032	190.0	191.0	1.0	MG13549	**0.02**									
MDD032	191.0	192.0	1.0	MG13550	**-0.01**									
MDD032	192.0	193.0	1.0	MG13551	**-0.01**									
MDD032	193.0	194.0	1.0	MG13552	**0.03**									
MDD032	194.0	195.0	1.0	MG13553	**-0.01**									
MDD032	195.0	196.0	1.0	MG13554	**-0.01**									
MDD032	196.0	197.0	1.0	MG13555	**0.35**									
MDD032	197.0	197.9	0.9	MG13556	**0.05**									



MG13508* = quartered core, duplicate MG13522 = 0.14 g/t Au

MG13535* = quartered core, duplicate MG13545 = 0.05 g/t Au

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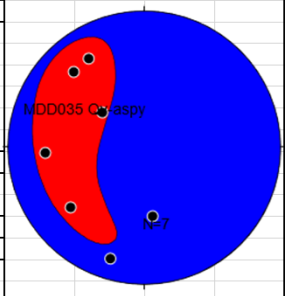
Appendix 2 CIT MDD035 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD035	0.0	165.0	165.0							TZ3				
MDD035	165.0	166.0	1.0	MG13709	-0.01					TGF				
MDD035	166.0	166.6	0.6	MG13710	-0.01									
MDD035	166.6	167.0	0.4	MG13711	0.46									
MDD035	167.0	168.0	1.0	MG13712	0.27									
MDD035	168.0	169.0	1.0	MG13713	0.17									
MDD035	169.0	170.0	1.0	MG13714	0.03									
MDD035	170.0	171.0	1.0	MG13715	0.07	8.4	0.85					59	51	
MDD035	171.0	172.0	1.0	MG13716	0.04					RSSZ				
MDD035	172.0	173.0	1.0	MG13717*	4.51						P	62	87	
MDD035	173.0	174.0	1.0	MG13718	0.44			3.0	2.12					
MDD035	174.0	175.0	1.0	MG13719	1.41									
MDD035	175.0	176.0	1.0	MG13720	0.01									
MDD035	176.0	177.0	1.0	MG13721	0.07									
MDD035	177.0	178.0	1.0	MG13722	0.02					TZ4				
MDD035	178.0	179.0	1.0	MG13723	-0.01					RSSZ				
MDD035	179.0	180.0	1.0	MG13724	-0.01					TZ4		74	17	
MDD035	180.0	181.0	1.0	MG13725	0.02									
MDD035	181.0	182.0	1.0	MG13726	0.14									
MDD035	182.0	183.0	1.0	MG13727	0.07							65	137	
MDD035	183.0	184.0	1.0	MG13728	0.15							66	148	
MDD035	184.0	185.0	1.0	MG13732	0.12									
MDD035	185.0	186.0	1.0	MG13733*	0.03									
MDD035	186.0	187.0	1.0	MG13734	0.02					RSSZ				
MDD035	187.0	188.0	1.0	MG13735	0.02									
MDD035	188.0	189.0	1.0	MG13736	0.17									
MDD035	189.0	190.0	1.0	MG13737	0.06									
MDD035	190.0	191.0	1.0	MG13738	-0.01									
MDD035	191.0	192.0	1.0	MG13739	0.01									
MDD035	192.0	193.0	1.0	MG13740	0.16							42	353	
MDD035	193.0	194.0	1.0	MG13741	0.03									
MDD035	194.0	195.0	1.0	MG13742	-0.01					TZ4				
MDD035	195.0	196.0	1.0	MG13743	0.13					RSSZ				
MDD035	196.0	197.0	1.0	MG13744	0.11					TZ4				
MDD035	197.0	198.0	1.0	MG13745	0.01					RSSZ				
MDD035	198.0	199.0	1.0	MG13746	0.09									
MDD035	199.0	200.0	1.0	MG13747	0.07					TZ4				
MDD035	200.0	201.0	1.0	MG13748	0.03					RSSZ		33	130	
MDD035	201.0	202.0	1.0	MG13749	-0.01									
MDD035	202.0	203.0	1.0	MG13750	-0.01									
MDD035	203.0	204.0	1.0	MG13751	0.11					TZ4				
MDD035	204.0	205.0	1.0	MG13755	0.04									
MDD035	205.0	206.0	1.0	MG13756	0.03									
MDD035	206.0	207.0	1.0	MG13757*	0.16					RSSZ				
MDD035	207.0	208.0	1.0	MG13758	0.01									
MDD035	208.0	209.0	1.0	MG13759	0.02									
MDD035	209.0	210.0	1.0	MG13760	-0.01									
MDD035	210.0	211.0	1.0	MG13761	-0.01									
MDD035	211.0	212.0	1.0	MG13762	0.03									
MDD035	212.0	213.0	1.0	MG13763	-0.01									
MDD035	213.0	214.0	1.0	MG13764	-0.01									
MDD035	214.0	215.0	1.0	MG13765	-0.01					TZ4				
MDD035	215.0	216.0	1.0	MG13766	-0.01									
MDD035	216.0	217.0	1.0	MG13767	-0.01									
MDD035	217.0	218.0	1.0	MG13768	-0.01									
MDD035	218.0	219.0	1.0	MG13769	-0.01									
MDD035	219.0	220.0	1.0	MG13770	-0.01									
MDD035	220.0	221.0	1.0	MG13771	-0.01									
MDD035	221.0	222.0	1.0	MG13772	-0.01									
MDD035	222.0	223.0	1.0	MG13773	-0.01									

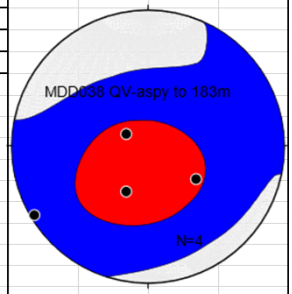


MG13717* = quartered core, duplicate MG13729 = 1.68 g/t Au
MG13733* = quartered core, duplicate MG13752 = 0.04 g/t Au
MG13757* = quartered core, duplicate MG13775 = 0.09 g/t Au
MG13784* = quartered core, duplicate MG13791 = <0.01 g/t Au

SANTANA MINERALS LIMITED

Appendix 2 CIT MDD038 Mineralised Intercepts – Assay results, quartz-arsenopyrite veins, geology

Hole_No	From m	To m	Interval m	Sample_ID	Au g/t	Composite metres min025	Composite Au g/t min025	Composite metres min050	Composite Au g/t min050	Geol Log	Visible Gold	QV-aspy Dip	QV-aspy Dip-Dir	Stereonet Plots of Poles to QV-Aspy Planes (Kamb Contours)
MDD038	144.0	145.0	1.0	MG13794	**-0.01**					TZ3				
MDD038	145.0	146.0	1.0	MG13795	**-0.01**									
MDD038	146.0	148.5	2.5	MG13796	**-0.01**					TGF				
MDD038	148.5	149.0	0.5	MG13797	**0.10**									
MDD038	149.0	150.0	1.0	MG13798	**0.08**									
MDD038	150.0	151.0	1.0	MG13799	**0.15**									
MDD038	151.0	152.0	1.0	MG13800	**0.40**									
MDD038	152.0	153.0	1.0	MG13801	**0.14**							**35**	**304**	
MDD038	153.0	154.0	1.0	MG13802*	**0.43**									
MDD038	154.0	155.0	1.0	MG13803	**0.14**							**15**	**120**	
MDD038	155.0	156.0	1.0	MG13804	**0.21**									
MDD038	156.0	157.0	1.0	MG13805	**0.65**	**11.0**	**0.49**							
MDD038	157.0	158.0	1.0	MG13806	**0.21**			**3.0**	**1.01**					
MDD038	158.0	159.0	1.0	MG13807	**2.18**					RSSZ				
MDD038	159.0	160.0	1.0	MG13808	**0.14**									
MDD038	160.0	161.0	1.0	MG13809	**0.28**									
MDD038	161.0	162.0	1.0	MG13810	**0.58**									
MDD038	162.0	163.0	1.0	MG13811	**0.04**									
MDD038	163.0	164.0	1.0	MG13812	**0.23**									
MDD038	164.0	165.0	1.0	MG13816	**0.05**									
MDD038	165.0	166.0	1.0	MG13817	**0.09**									
MDD038	166.0	167.0	1.0	MG13818	**0.08**									
MDD038	167.0	168.0	1.0	MG13819	**0.30**									
MDD038	168.0	169.0	1.0	MG13820	**0.31**	**3.0**	**0.36**							
MDD038	169.0	170.0	1.0	MG13821	**0.48**									
MDD038	170.0	171.0	1.0	MG13822	**0.05**					TZ4				
MDD038	171.0	172.0	1.0	MG13823	**0.02**									
MDD038	172.0	173.0	1.0	MG13824	**0.03**					RSSZ				
MDD038	173.0	174.0	1.0	MG13825	**0.10**									
MDD038	174.0	175.0	1.0	MG13826	**0.04**							**87**	**59**	
MDD038	175.0	176.0	1.0	MG13827	**0.10**					TZ4				
MDD038	176.0	177.0	1.0	MG13828	**0.03**									
MDD038	177.0	178.0	1.0	MG13829	**0.05**									
MDD038	178.0	179.0	1.0	MG13830*	**0.04**					RSSZ				
MDD038	179.0	180.0	1.0	MG13831	**0.57**									
MDD038	180.0	181.0	1.0	MG13832	**0.06**									
MDD038	181.0	182.0	1.0	MG13833	**-0.01**					TZ4				
MDD038	182.0	183.0	1.0	MG13834	**0.01**					RSSZ		**30**	**26**	



MG13802* = quartered core, duplicate MG13813 = 0.45 g/t Au

MG13830* = quartered core, duplicate MG13835 = 0.17 g/t Au

assays pending to 213m (30 metres)

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	*Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* *Aspects of the determination of mineralisation that are Material to the Public Report.* *In cases where 'industry standard' work has been done this would be relatively simple (eg '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 (eg submarine nodules) may warrant disclosure of detailed information.*	Diamond drill (DD) core samples for laboratory assay are typically 1 metre samples of diamond saw cut ½ diameter core. Where distinct mineralisation boundaries are logged, sample lengths are adjusted to the respective geological contact. Samples are crushed at the receiving laboratory to minus 2mm (80% passing) and split to provide 1kg for pulverising to -75um. Pulps are fire assayed using a 50g charge.

Criteria	JORC Code explanation	Commentary
Drilling techniques	*Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).*	Current drilling techniques are diamond coring (DD) PQ3 and HQ3 size triple tube. Where PQ3 core size (83mm diameter) is commenced this is maintained throughout the DD hole until drilling conditions dictate reduction in size to HQ3 core (61mm diameter). Drillholes are oriented to intersect known mineralised features in a nominally perpendicular orientation as much as is practicable. All drill core is oriented to assist with interpretation of mineralisation and structure using a Trucore orientation tool.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.* *Measures taken to maximise sample recovery and ensure representative nature of the samples.* *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	DD core sample recoveries are recorded by the drillers at the time of drilling by measuring the actual distance of the drill run against the actual core recovered. The measurements are checked by the site geologist. When poor core recoveries are recorded the site geologist and driller endeavour to immediately rectify any problems to maintain maximum core recoveries. DD core logging to date indicate >97% recoveries. The drilling contract used states for any given run, a level of recovery is required otherwise financial penalties are applied to the drill contractor to ensure sample recovery priority along with production performance.

Criteria	JORC Code explanation	Commentary
Logging	*Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* *The total length and percentage of the relevant intersections logged.*	All DD holes have been logged for their entire sampled length below upper open hole drilling (nominally 0-320 metres below collar). Data is recorded directly into digital spreadsheets and then uploaded into an Access cloud database with sufficient detail that supports Mineral Resource estimations (MRE). Logging is mostly qualitative but there are estimations of quartz and sulphide content and quantitative records of geological / structural unit, oxidation state and water table boundaries. Oriented DD core allows alpha / beta measurements to determine structural element detail (dip / dip direction) to supplement routine recording of lithologies / alteration / mineralisation / structure / oxidation / colour and other features for MRE reporting. All core is photographed wet and dry before cutting.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.* *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* *Whether sample sizes are appropriate to the grain size of the material being sampled.*	Industry standard laboratory sample preparation methods are suitable for the mineralisation style and involve, oven drying, crushing and splitting of samples to 1kg for pulverising to -75um. Pulps are fire assayed using a 50g charge. 50g charge is considered minimum requirement for the coarse nature of the gold. Larger screen fire assays and 1kg Leachwell determinations are conducted periodically as a QAQC check. Large diameter (83mm) PQ3 core was maintained (where conditions allow) for DD holes to MDD016 and subsequently HQ3 (61mm) for drillholes MDD017 to MDD044. DD core drill samples are sawn in ½ along the length of the core on cut lines marked by geologists' perpendicular to structure / foliation or to bisect vein mineralisation for representative samples whilst preserving the orientation line. Intervals required for QAQC checks are ¼ core from ½ sections of core to be sent for assay. QAQC procedures include field replicates, standards, and blanks at a frequency of ~4% and also cross-lab assay checks at an umpire laboratory.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	DD core for gold assays undergo sample preparation by SGS laboratory Westport and 50g fire assay with an AAS finish (SGS method FAA505, DDL 0.01ppm Au) by SGS laboratory Waihi. Portable XRF (pXRF) instrumentation is used onsite (Olympus Innov-X Delta Professional Series model DPO-4000 equipped with a 4 W 40kV X-Ray tube) primarily to identify arsenical samples (arsenic correlates well with gold grade in these orogenic deposits). The pXRF analyses a 31-element suite (Ag, As, Bi, Ca, Cd, Cl, Co, Cr, Cu, Fe, Hg, K, Mn, Mo, Nb, Ni, P, Pb, Rb, S, Sb, Se, Sn, Sr, Th, Ti, V, W, Y, Zn, Zr) utilising 3 beam Soil mode, each beam set for 30 seconds (90 seconds total). pXRF QAQC checks involve 2x daily calibration and QAQC analyses of SiO2 blank and NIST standards (NIST 2710a & NIST 2711a). For laboratory QAQC, samples (3*certified standards, blanks and field replicates) are inserted into laboratory batches at a frequency of ~4% and ~5% respectively. Samples are selected at the end of each drilling campaign to be sent to an umpire laboratory for cross-lab check assays.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.* *The use of twinned holes.* *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* *Discuss any adjustment to assay data.*	Significant gold assays and pXRF arsenic analyses are checked by alternative senior company personnel. Original lab assays are initially reported and where replicate assays and other QAQC work require re-assay or screen fire assays, the results from the larger samples are adopted. To date results are accurate and fit well with the mineralisation model. Some DD core holes have been sited adjacent to previous RC drillholes to provide twinned data. pXRF multi-element analyses are directly downloaded from the pXRF analyser as csv electronic files. These and laboratory assay csv files are imported into the database, appended and merged with previous data. The database master is stored off-site and periodically updated and verified by an independent qualified person. There have been no adjustments to analytical data presented.

Criteria	JORC Code explanation	Commentary
Location of data points	*Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* *Specification of the grid system used.* *Quality and adequacy of topographic control.*	DD drillhole collar locations are accurate (+/- 50mm) xyz coordinates when captured by a licensed surveyor using RTK-GPS equipment. All drillholes to MDD044 have been surveyed by RTK-GPS equipment with subsequent and planned collar locations based on hand-held GPS coordinates with xy accuracy of +/-3 metres and RL accuracy to 0.5 metres from detailed LiDAR DTM. All drill holes reference the NZTM map projection and collar RLs the NZVD2016 vertical datum. DD down hole surveys are recorded at 12m intervals using a Reflex multi-shot camera.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.* *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* *Whether sample compositing has been applied.*	Drillhole collar spacing is variable and considered appropriate for determination of geological and grade continuity during this phase of the drilling programme. Site locations in steep terrain are dictated by best access allowed by contour tracks with gentle gradients to allow safe working drill pad excavations. No compositing of samples is being undertaken for analysis. Sampling and assaying are in one metre intervals or truncated to logged features.
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	The majority of drillholes in this campaign are inclined (-60° or -75°) to 270°T to intercept mineralisation at a reasonable angle and facilitate core orientation measurements. Drillholes MDD044 and MDD047 at RAS were, oriented 0°T (-60°) due to topographical constraints to facilitate testing of northern mineralisation extents. True mineralisation widths in these two drillholes will be less than downhole intervals. As the deposits are tabular and lie at low angles, there is not anticipated to be any introduced bias for resource estimates.

Criteria	JORC Code explanation	Commentary
Sample security	*The measures taken to ensure sample security.*	Company personnel manage the chain of custody from sampling site to laboratory. DD drill core samples are transported daily from DD rig by the drilling contractor in numbered core boxes to the Company secure storage facility for logging and sample preparation. After core cutting, the core for assay is bagged, securely tied, and weighed before being placed in polyweave bags which are securely tied. Retained core is stored on racks in secure locked containers. Polyweave bags with the calico bagged samples for assay are placed in steel cage pallets, sealed with a wire-tied tarpaulin cover, photographed, and transported to local freight distributer for delivery to the laboratory. On arrival at the laboratory photographs taken of the consignment are checked against despatch condition to ensure no tampering has occurred.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	An independent competent Person (CP) conducted a site audit in January 2021 of all sampling techniques and data management. No major issues were identified, and recommendations have been followed. Further CP site audits will be undertaken in 2022.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	Exploration is being currently conducted within Mineral Exploration Permit (MEP) 60311 (252km²) registered to Matakanui Gold Ltd (MGL) issued on 13th April 2018 for 5 years with renewal date on 12th April 2023. MGL has the gold rights for this tenement. There are no material issues with third parties. MGL applied for a Minerals Prospecting Permit (MPPA) in March 2022, and this is in process with the Government Ministerial Authority (NZPAM) for issue under MPP 60882. The tenure of the Permits is secure and there are no known impediments to obtaining a licence to operate. The Project is subject to a 1.5% Net Smelter Royalty (NSR) on all production from MEP 60311 (successor permits) payable to an incorporated, private company (Rise and Shine Holdings Limited) which is owned by the prior shareholders of MGL (NSRW Agreement) before acquisition of 100% of MGL shares by Santana Minerals Limited.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	Early exploration in the late 1800's and early 1900's included small pits, adits and cross-cuts and alluvial mining. Exploration has included soil and rock chip sampling by numerous companies since 1983 with drilling starting in 1986. Exploration in the 1990's commenced with a search for Macraes style gold deposits along the RSSZ. Drilling included 13 RC holes by Homestake NZ Exploration Ltd in 1986, 20 RC holes by BHP Gold Mines NZ Ltd in 1988 (10 of these holes were in the Bendigo Reefs area which is not part of the MRE area), 5 RC holes by Macraes Mining Company Ltd in 1991, 22 shallow (probably blasthole) holes by Aurum Reef Resources (NZ) Ltd in 1996, 30 RC holes by CanAlaska Ventures Ltd from 2005-2007, 35 RC holes by MGL in 2018 and a further 18 RC holes by MGL in 2019.

Criteria	JORC Code explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	The RSSZ is a low-angle late-metamorphic shear-zone, presently known to be up to 120m thick. It is sub-parallel to the metamorphic foliation and dips gently to the north- east. It occurs within psammitic, pelitic and meta-volcanic rocks. Gold mineralisation is concentrated in multiple deposits along the RSSZ. In the Project area there are 4 deposits with Mineral Resource Estimates (MRE) – Come-in-Time (CIT), Rise and Shine (RAS), Shreks (SHR) and Shreks-East (SRE). The gold and associated pyrite/arsenopyrite mineralisation at all deposits occur along micro-shears, and in brecciated / laminar quartz veinlets within the highly- sheared schist. There are several controls on mineralisation with apparent NNW, N and NNE trending structures all influencing gold distribution. Shear dominated mineralisation within the top 20-40m of the shear zone is in a unit termed the "Hanging Wall Shear" (HWS) which lies immediately below the Thomsons Gorge Fault (TGF). The TGF is a regional low-angle fault that separates upper barren chlorite (TZ3) schist from underlying mineralised biotite (TZ4) schists. Stacked stockwork vein swarms (SVS) occur deeper in the RSSZ. Unlike Macraes, the gold mineralisation in the oxide, transition and fresh zones is characterised by coarse free gold and silica- poor but extensive ankerite alteration.

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		Refer to the body of text.
		No material information has been excluded.

Criteria	JORC Code explanation	Commentary
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	Significant gold intercepts are reported using 0.25g/t Au and 0.50g/t Au lower grade cut-offs with 4m of internal dilution included. Broad zonation is: 0.10g/t Au cut-off defines the wider low-grade halo of mineralisation, 0.25g/t Au cut-off represents possible economic mineralisation, with 0.50g/t Au defining high-grade axes / envelopes. Metal unit (MU) distribution, where shown on maps and in tables are calculated from total drill hole Au * associated drill hole interval metres. pXRF analytical results reported for laboratory pulp returns are considered accurate for the suite of elements analysed. Where gold assays are pending, minimum 1,000 ppm composited arsenic values provide a preliminary representation of potential mineralised zones and include 4m <1,000 ppm internal dilution.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	All intercepts quoted are downhole widths. Intercepts are associated with a major 20-120m thick low-angle mineralised shear that is largely perpendicular to the drillhole traces. Aggregate widths of mineralisation reported are drillhole intervals >0.50g/t Au occurring in low-angle stacked zones. There are steeply dipping narrow (1-5m) structures deeper in the footwall and the appropriateness of the current drillhole orientation will become evident and modified as additional drill results dictate.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	Refer to figures in the body of the text.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	All significant intercepts have been reported.

Criteria	JORC Code explanation	Commentary
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	Not applicable; meaningful and material results are reported in the body of the text.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	DD drilling down dip / down plunge to the north of existing resources is continuing at RAS on ~120 metre step-out east-west drill sections. Further work is following at RAS, CIT and SHR deposits as results dictate, which may include infill RC, further DD core drilling, and metallurgical test-work. A new 2021 MRE update (to JORC Code 2012) was completed in September 2021 which increased Inferred Resources 155% to 643Koz from the 252Koz 2019 MRE (0.25g/t lower cut-off). A 2022 MRE upgrade to RAS is currently underway. Potential extensions to mineralisation and resources are shown in figures in the body of the text.