RAS GLOWS WITH MORE HIGH GOLD GRADES OVER WIDE INTERVALS

- **New Rise & Shine (RAS) drill assay gold grades are consistently at levels that eclipse the previous average grade of the July RAS Mineral Resource Estimate (MRE) with significant near-term resource growth potential for the RAS MRE upgrade commencing in December.**
- **Seven new aggregate drillhole intercepts (top-cut, 0.5g/t Au lower-cut-off) listed below (highest to lowest) are of higher grade and greater thickness than earlier July MRE drillholes:**
  - **RAS South-east "RAS Ridge"**
    - **MDD084 <u>37.1m @ 9.3 g/t Au</u> between 177.9m and 236m (partial result)**
    - **MDD080 <u>40.0m @ 6.9 g/t Au</u> between 179m and 223m (partial result)**
    - **MDD085 <u>38.9m @ 5.0 g/t Au</u> between 173.1m and 221m (partial result)**
    - **MDD086 <u>31.4m @ 5.1 g/t Au</u> between 158.6m and 212m (partial result)**
    - **MDD083 <u>47.7m @ 3.3 g/t Au</u> between 147.3m and 272m (full result)**
    - **MDD081 <u>40.0m @ 3.5 g/t Au</u> between 164m and 214m (partial result)**
    - **MDD082 <u>9.0m @ 3.0 g/t Au</u> between 156m and 184m (partial result)**
- **Drilling with 5 rigs (4 diamond drill [DD] and 1 reverse circulation [RC]), is focusing on resource evaluation in the North Dunstan Range area of the 30km long Bendigo-Ophir project.**

29 November 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").

The Project presently contains a global 1.9Moz inferred gold resource (MRE) in four Rise and Shine Shear Zone (RSSZ) deposits (ASX announcement on 11 July 2022), which remain open down-plunge at depth. Drilling (18,265 metres completed since the July MRE Upgrade) is continuing to expand resource potential (Figure 1).

Commenting on the results Executive Director Dick Keevers said:

*" I recall that we have used this description before; **RAS keeps on giving**. The drill core assay results here are mostly in the southern RAS Ridge area, where we have a sweet spot, and include some of the assays for closer spaced drilling as an evaluation of the variability of this ore body, so that we may better understand the geostatistical analysis. This will enable more confident definition of future MRE's, perhaps to indicated resource status. With the kind of gold grade and intercept thickness recorded here, it is reasonable to expect some increase in tonnes of ore and ounces of gold for this area, as well as from the extensions down plunge in the northern part of RAS"*

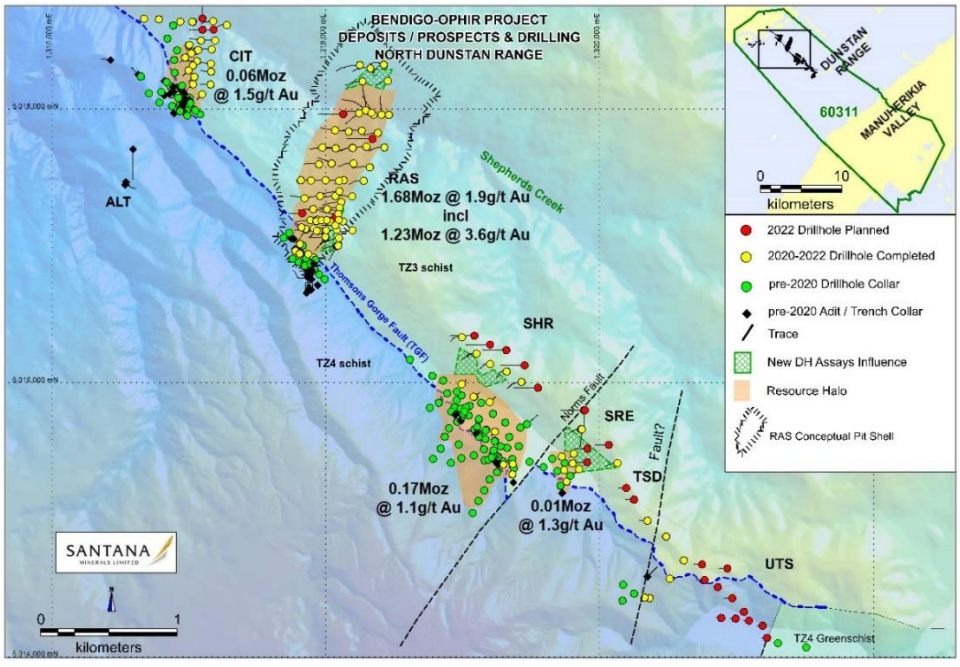
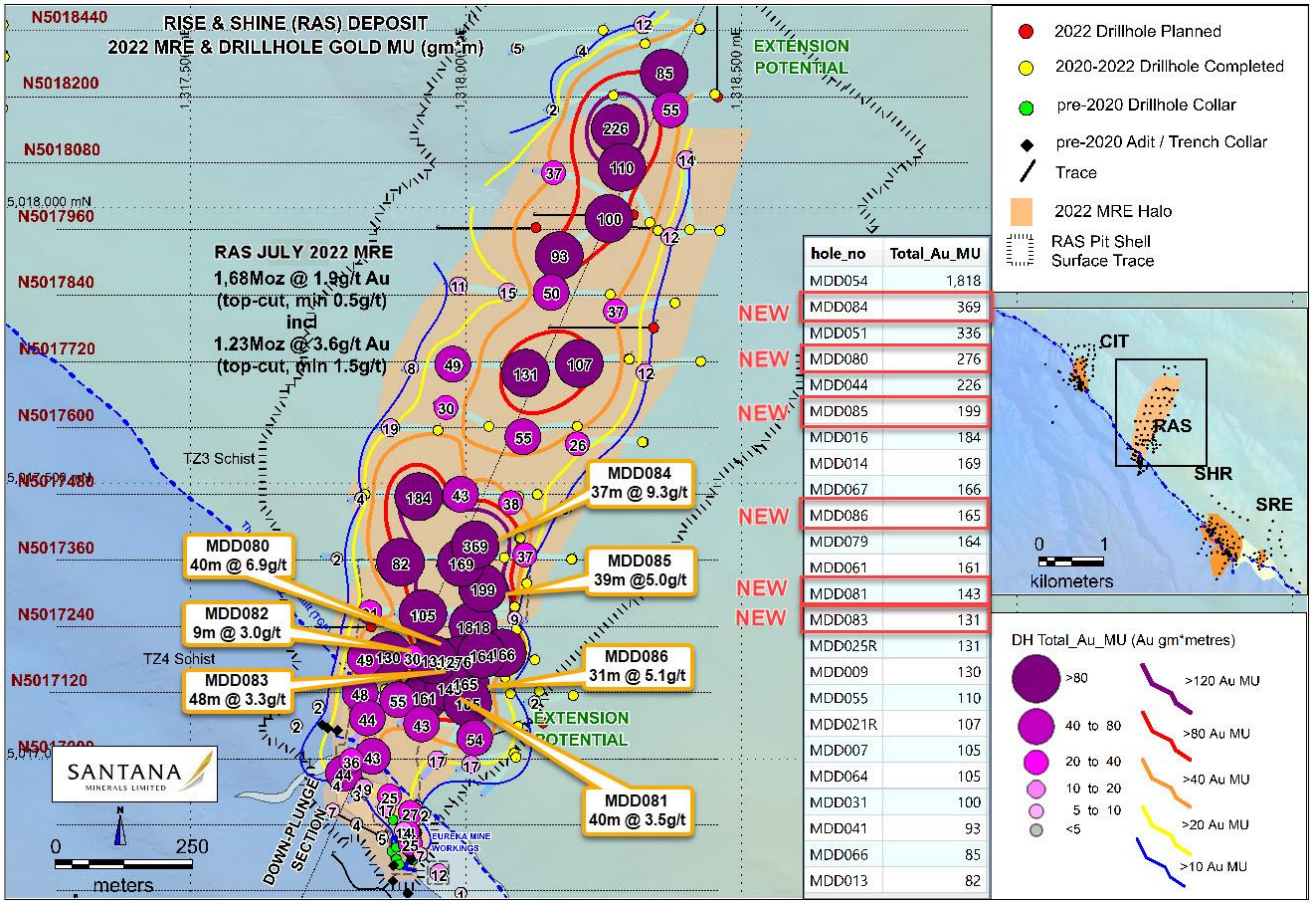


Figure 1 North Dunstan Range Deposits / July 2022 Resources

Latest Drill Assay Results from RAS

Assays have been received for 7 RAS south-east drillholes (MDD080 to MDD086) from RAS Ridge within and beyond the limits of the presently defined 1.5-kilometre NNE trending down-plunge shoot (Figure 2).



	hole_no	Total_Au_MU
	MDD054	1,818
NEW	MDD084	369
	MDD051	336
NEW	MDD080	276
	MDD044	226
NEW	MDD085	199
	MDD016	184
	MDD014	169
	MDD067	166
NEW	MDD086	165
	MDD079	164
	MDD061	161
NEW	MDD081	143
NEW	MDD083	131
	MDD025R	131
	MDD009	130
	MDD055	110
	MDD021R	107
	MDD007	105
	MDD064	105
	MDD031	100
	MDD041	93
	MDD066	85
	MDD013	82

Figure 2 RAS Resource Extension Drilling - New Results / Gold Distribution

Significant new aggregate drillhole Intercepts (Table 1, Appendix 2) confirm continuity of high-grade RAS south-east mineralisation where closer spaced drilling on 40*40 metre centres has been completed for geostatistics to guide variography in a new RAS MRE upgrade starting in December 2022.

- **RAS South-east "RAS Ridge"**
  - **MDD084 <u>37.1m @ 9.3 g/t Au</u> between 177.9m and 236m (partial result)**
  - **MDD080 <u>40.0m @ 6.9 g/t Au</u> between 179m and 223m (partial result)**
  - **MDD085 <u>38.9m @ 5.0 g/t Au</u> between 173.1m and 221m (partial result)**
  - **MDD086 <u>31.4m @ 5.1 g/t Au</u> between 158.6m and 212m (partial result)**
  - **MDD083 <u>47.7m @ 3.3 g/t Au</u> between 147.3m and 272m (full result)**
  - **MDD081 <u>40.0m @ 3.5 g/t Au</u> between 164m and 214m (partial result)**
  - **MDD082 <u>9.0m @ 3.0 g/t Au</u> between 156m and 184m (partial result)**

Bonanza grades (1 metre >10g/t Au) to **121 g/t Au** "typical" of RAS mineralisation (often flagged by visible gold) are present in six of the seven drillholes (Appendix 2). These assays illustrate the widespread nature of this high-grade mineralisation that encompasses 40,000 square metres of the overall RAS Ridge area (Figure 3).

- MDD080, **10.5g/t Au** from 181m, **20.7g/t Au** from 186m, **13.9g/t Au** from 187m, **11.7g/t Au** from 189m, **30.9g/t Au** from 190m, **33.3g/t Au** from 209m and **53.4g/t Au** from 221m.
- MDD081, **10.6g/t Au** from 165m, **10.9g/t Au** from 167m and **32.0g/t Au** from 171m.
- MDD083, **32.9g/t Au** from 157m, **15.4g/t Au** from 192m, **14.8g/t Au** from 247m and **10.1g/t Au** from 270m.
- MDD084, **21.2g/t Au** from 177.9m, **33.9g/t Au** from 182m, **59.9g/t Au** from 184m, **20.4g/t Au** from 185m, **17.0g/t Au** from 186m, **121.0g/t Au** from 206m and **33.9g/t Au** from 207m.
- MDD085, **12.2g/t Au** from 186m, **11.9g/t Au** from 187m, **11.6g/t Au** from 206m, **56.8g/t Au** from 207m, and **13.1g/t Au** from 208m.
- MDD086, **18.9g/t Au** from 181m, **49.8g/t Au** from 182m, **20.2g/t Au** from 183m, and **15.9g/t Au** from 189m.

Table 1 RAS Drillholes – New Mineralised Intercepts (top-cut to 100 g/t and at a 0.5 g/t lower cut-off grade)

Deposit	Drillhole	From (m)	Drill intercept (m)	Average Gold Grade (g/t) (min 0.50 g/t Au)	Comments
RAS	MDD080	179.0	20.0	6.53	
		202.0	17.0	5.16	
		220.0	3.0	18.91	
		Aggregate	40.0	6.88	(over 44.0m) partial result, 37.8m assays pending
	MDD081	164.0	23.0	5.49	
		190.0	6.0	0.93	
		201.0	7.0	0.96	
		210.0	4.0	0.54	
		Aggregate	40.0	3.52	(over 50.0m) partial result, 50.4m assays pending
	MDD082	156.0	3.0	2.22	
		173.0	4.0	3.66	
		182.0	2.0	3.02	
		Aggregate	9.0	3.04	(over 29.0m) partial result, 80.9m assays pending
	MDD083	147.3	13.7	4.73	
		165.0	10.0	0.85	
		179.0	5.0	2.49	
		191.0	4.0	7.65	
		241.0	7.0	3.77	
		253.0	6.0	0.80	
		270.0	2.0	5.51	
		Aggregate	47.7	3.32	(over 124.7m)
	MDD084	177.9	17.1	10.99	
		199.0	11.0	13.51	
		221.0	8.0	0.50	
		235.0	1.0	3.59	
		Aggregate	37.1	9.28	(over 58.1m) partial result, 69.6m assays pending
	MDD085	173.1	23.9	3.78	
		198.0	11.0	8.62	
		217.0	4.0	2.61	
		Aggregate	38.9	5.03	(over 47.9m) partial result, 37.9m assays pending
	MDD086	158.6	19.4	2.34	
		181.0	3.0	29.63	
		189.0	3.0	5.85	
		201.0	4.0	1.79	
		210.0	2.0	0.94	
		Aggregate	31.4	5.12	(over 53.4m) partial result, 54.4m assays pending

The higher-grade intercepts occur throughout the downhole drill extents, but thickest zones are largely confined to the upper RSSZ hanging-wall-shear (HWS) mineralisation, where the high-grade continuity between holes is evident in both NS Section E1318100 (Figure 4) and EW Section N5017180 (Figure 5).

A total of 18,265 metres of drilling (65 drillholes, Appendix 1) since the July 2022 MRE now includes 10,830 metres (32 Drillholes) at RAS (with latest closer-spaced RAS geostatistical drillholes) and the higher-grade continuity has significant near-term resource growth potential.

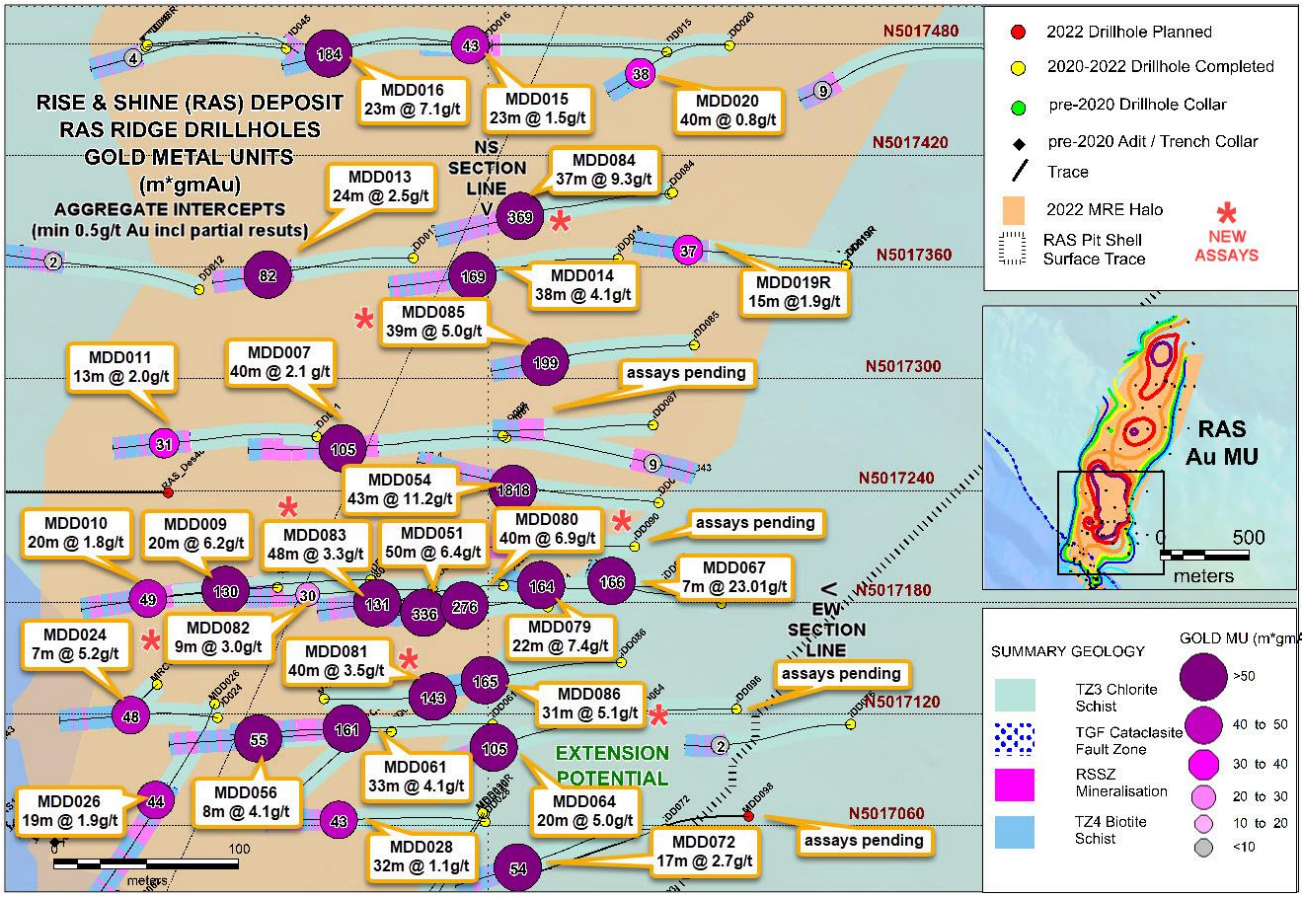


Figure 3 RAS Ridge Area – Significant Aggregate Drill Intercepts (top-cut, 0.5g/t Au lower cut-off)

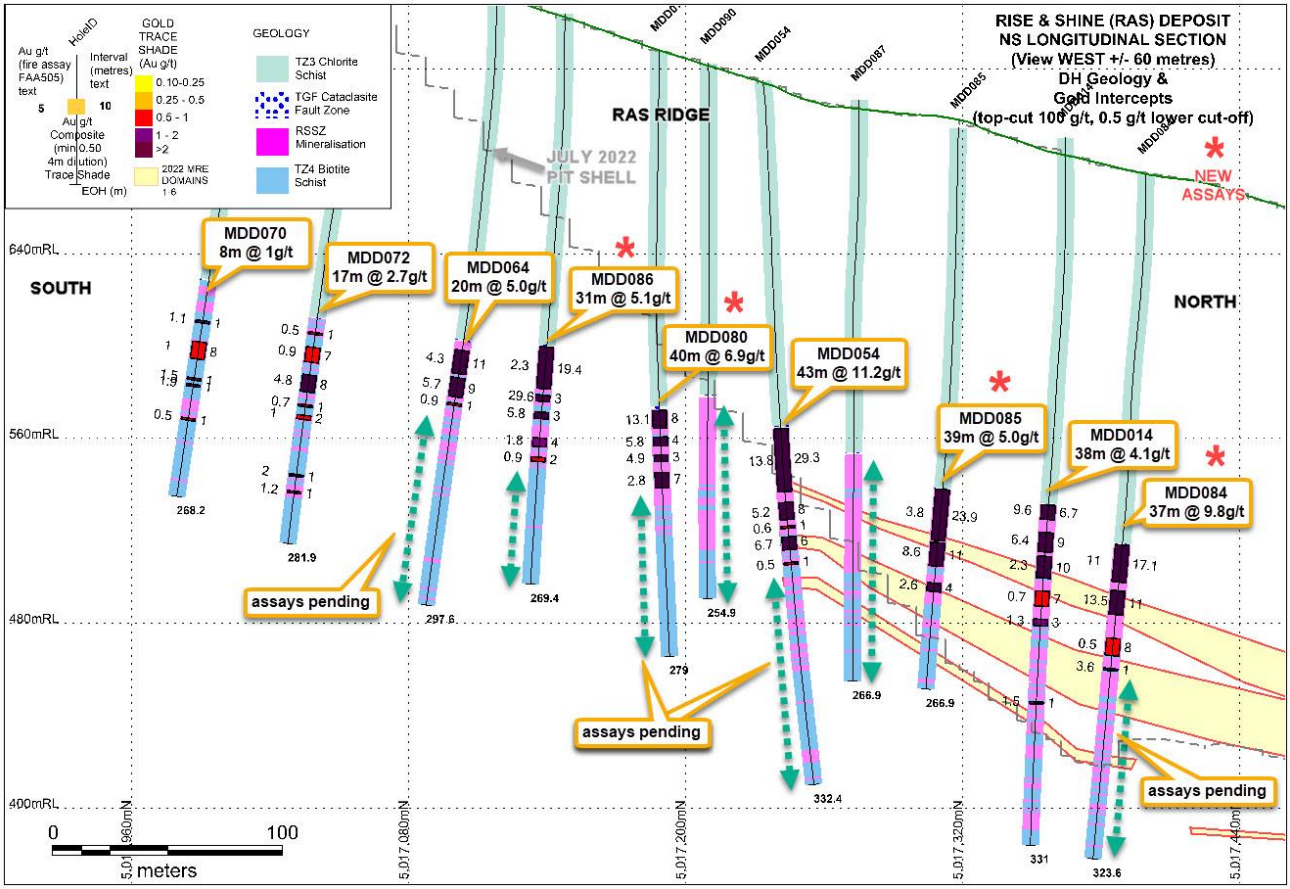


Figure 4 RAS Deposit – North-South Section E1318100 (View West)

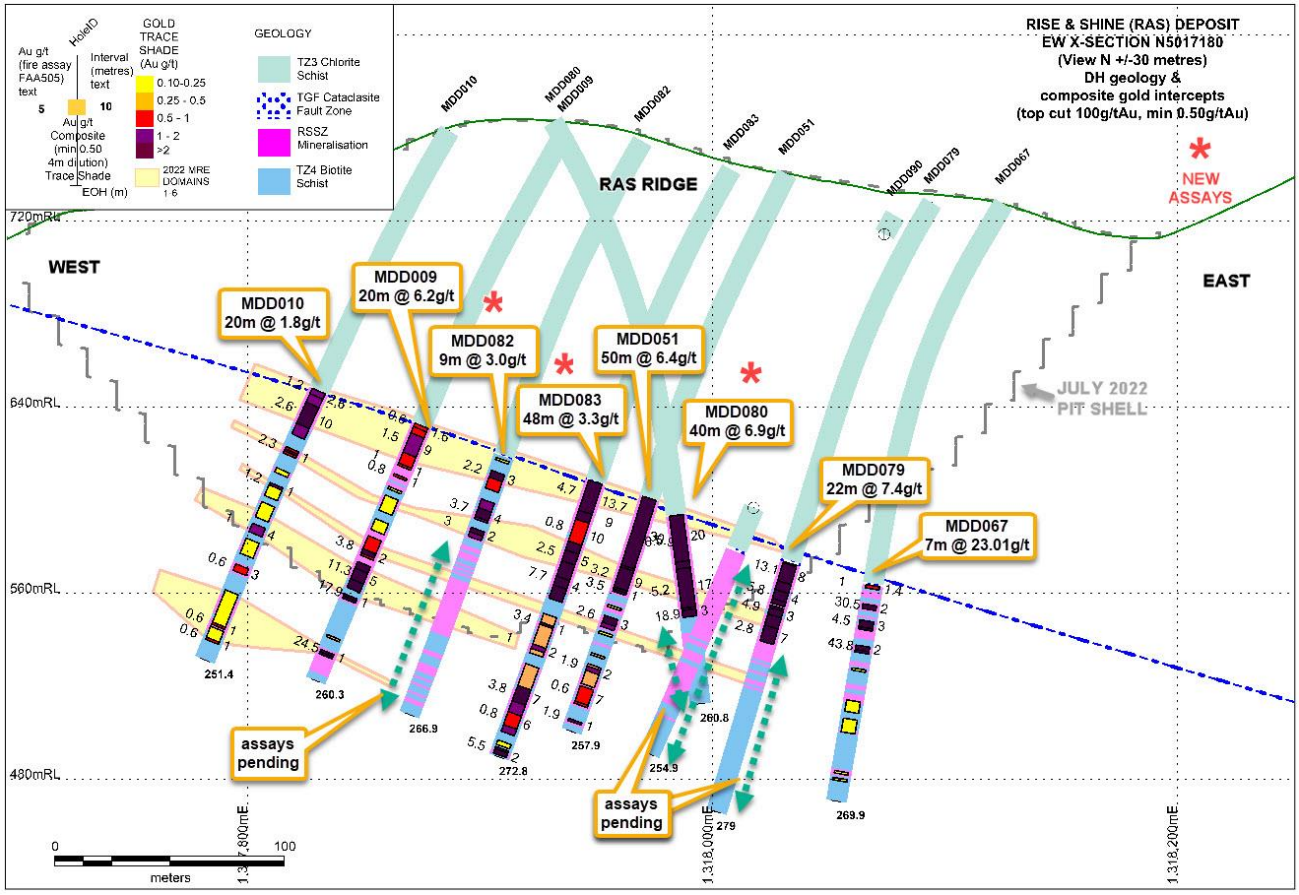


Figure 5 RAS Deposit – East-West X-Section N5107180 (View North)

Structural analysis of the close-spaced drillholes in the RAS Ridge area has advanced the understanding of the geological controls on mineralisation. Highest grades of mineralisation are associated with zones of intense silicification and cataclastic breccias thickening in the core of the RAS shoot (Figure 6).

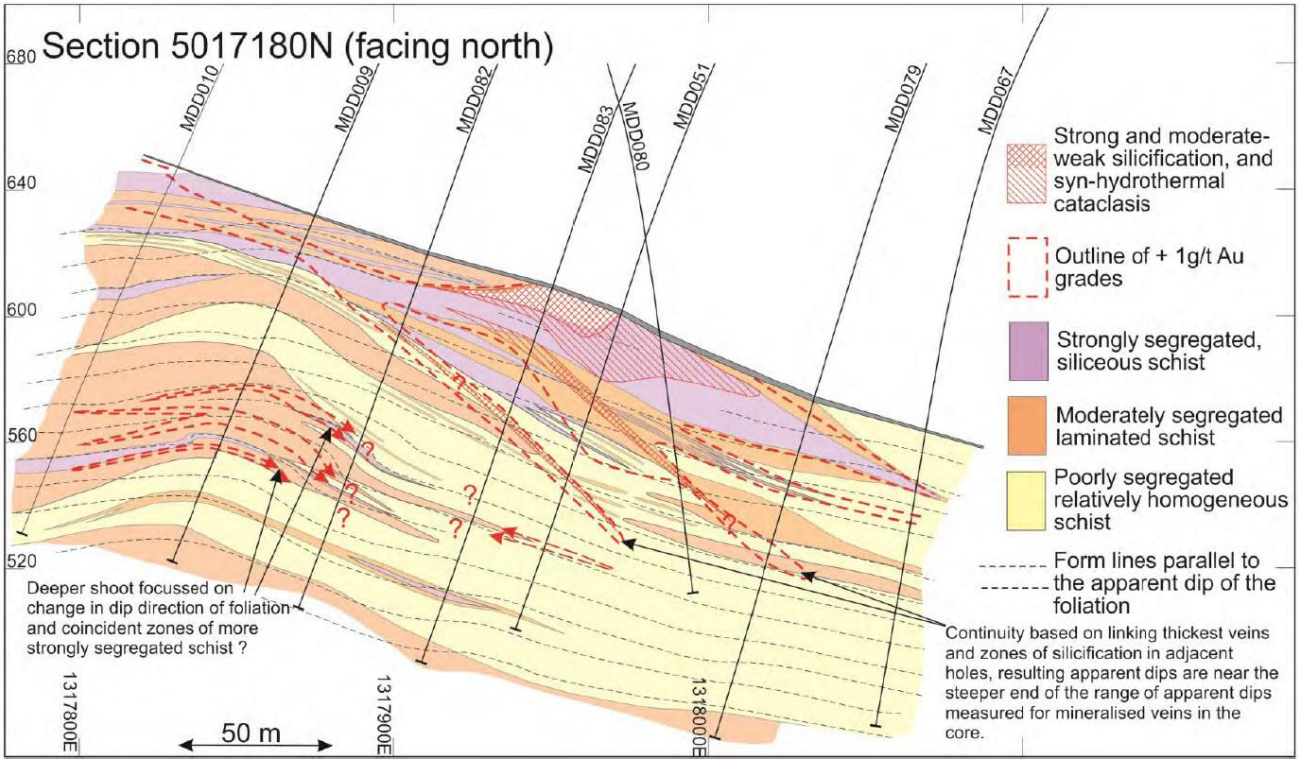


Figure 6 RAS Geological Interpretation – East-West X-Section N5107180 (View North)

Grade implications for the Upcoming RAS MRE Upgrade

A particularly thicker and higher-grade mineralised zone is emerging on the eastern flank of the RAS Ridge area which is more significant than modelled in the July MRE (Figures 4 & 5)

The July RAS MRE higher-grade **1.23Moz @ 3.6g/t Au** (top-cut, 1.5g/t Au lower cut-off) lies within the overall **1.68Moz @ 1.9g/t Au July RAS MRE** (top-cut, 0.50g/t Au lower cut-off), (ASX announcement on 11 July 2022).

To date, 21 drillholes since the July RAS MRE Update have significant aggregate intercepts (Table 2, top-cut, 0.5g/t lower-cut-off) of higher grade and greater thickness than earlier drill holes used in the July MRE

Table 2: RAS Significant Aggregate Drillhole Intercepts since the July 2022 MRE Upgrade

Deposit	Drillhole	From (m)	Aggregate Drill intercept (m)	Average Gold Grade (g/t) (topcut 100g/t, min 0.50 g/t)	Comments
RAS	MDD054	165.8	43.3	11.24	(over 56.2m)
	MDD084	177.9	37.1	9.28	(over 58.1m) partial result, 87.6m assays pending
	MDD051	152.1	49.9	6.42	(over 92.9m)
	MDD080	179.0	40.0	6.88	(over 44.0m) partial result, 35.8m assays pending
	MDD085	173.1	38.9	5.03	(over 47.9m) partial result, 45.9m assays pending
	MDD079	168.0	22.0	7.38	(over 35.0m) partial result, 75.0m assays pending
	MDD067	184.0	7.0	23.12	(over 20.0m)
	MDD086	158.6	31.4	5.12	(over 53.4m) partial result, 57.4m assays pending
	MDD083	147.3	47.7	3.32	(over 124.7m)
	MDD081	164.0	40.0	3.52	(over 50.0m) partial result, 59.4m assays pending
	MDD061	150.9	36.1	3.88	(over 156.1m)
	MDD055	311.6	31.4	3.45	(over 33.4m)
	MDD064	176.0	20.0	4.97	(over 22.0m)
	MDD066	478.6	24.4	3.13	(over 35.4m)
	MDD078	406.4	20.6	2.50	(over 51.6m) partial result, 49.4m assays pending
	MDD072	189.0	17.0	2.73	(over 34.0m)
	MDD056	161.0	15.0	2.68	(over 100.0m)
	MDD053	184.0	12.3	2.93	(over 12.3m)
	MDD082	156.0	9.0	3.04	(over 29.0m) partial result, 82.9m assays pending
	MDD070	195.0	8.0	0.98	(over 8.0m)
	MDD069	507.0	6.0	1.30	(over 39.0m)

Key Conclusions & Forward Programme

The highly mineralised intercepts being delivered from RAS have been a regular feature since the high-grade RAS shoot was first revealed 18 months ago in April 2021.

Close spaced geostatistical drilling has shown continuity of high-grade mineralisation at RAS Ridge with significant near-term resource growth potential for the RAS MRE upgrade commencing in December and will inform optimal drill spacing for raising RAS resources to JORC 2012 indicated resource status.

Geological and Structural interpretation of RAS Ridge drillholes has improved the understanding of controls on gold mineralization.

To date 18,265 metres of new drilling in 65 drillholes have been completed since the July MRE database was closed and drilling continues with 5 rigs at RAS and the other deposits along the 30km RSSZ strike extent of the Bendigo-Ophir Project.

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

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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 7).

The Company embarked on diamond drilling (DD) and reverse circulation (RC) drilling programmes in November 2020 with the immediate objective to fast-track an increase to the existing Resources by drill testing the down plunge extensions of known mineralisation.

The Project contains new Inferred Global Mineral Resource Estimates (MRE) to 1.5, 0.5 and 0.25g/t Au lower cut-offs:

- 11.9 Mt for 1,320,000 ounces of gold @ 3.5g/t Au (top-cut, and 1.50g/t Au lower cut-off).
- 33.4 Mt for 1,920,000 ounces of gold @ 1.8g/t Au (top-cut, and 0.50g/t Au lower cut-off).
- 46.7 Mt for 2,090,000 ounces of gold @ 1.4g/t Au (top-cut, and 0.25g/t Au lower cut-off).

These estimates are based on drill results to May 2022 and reported in July 2022 which the Company interprets has the potential to be further expanded and developed into a low cost per ounce heap leach or gravity-leach operation, with ore from bulk tonnage open pits or underground sources.

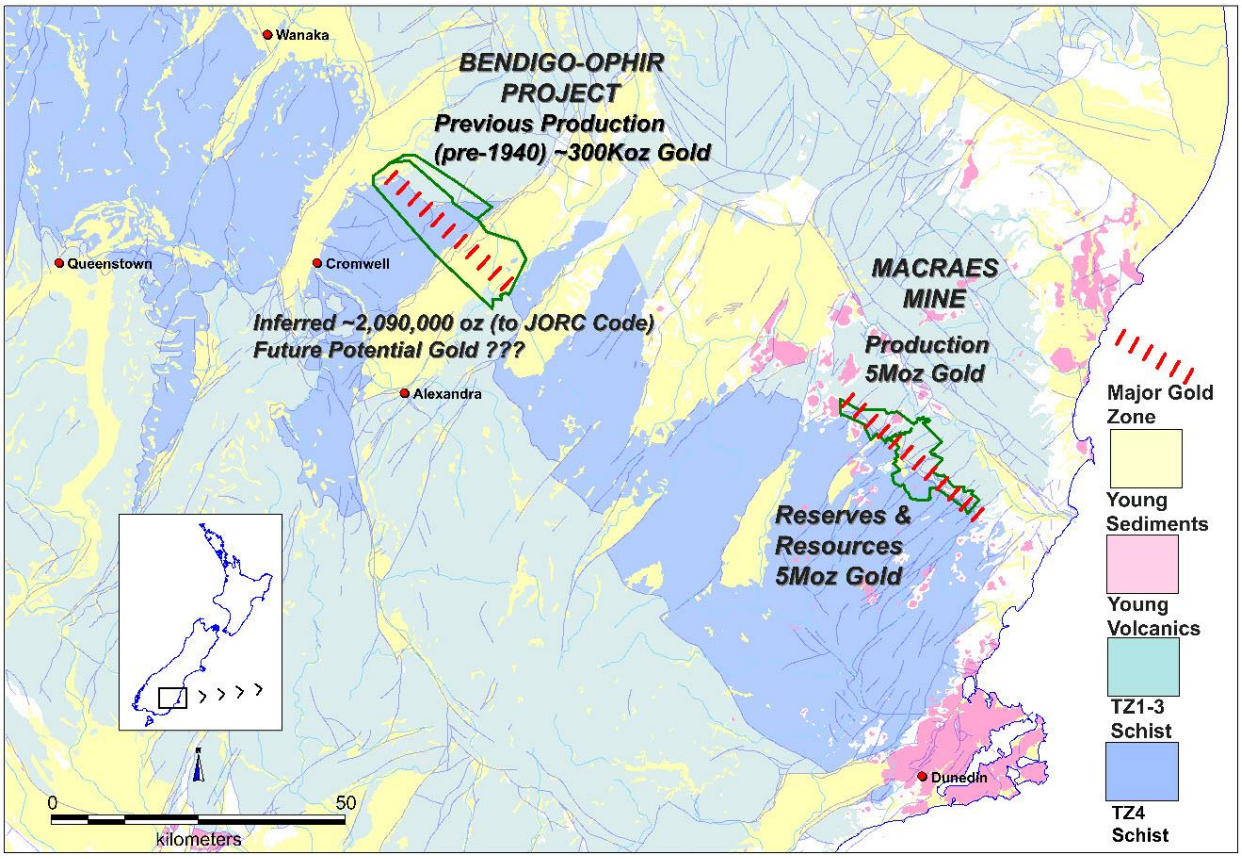

Figure 7 Bendigo-Ophir Project in the Otago Goldfield, ~90km NW of Macraes

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 mineralisation over a recognised strike length of >20km (Figure 7).

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 mineralisation (HWS) 10-40 metres in width above quartz vein and stockwork related gold mineralisation extending >120 metres below the HWS.

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 "A new 2 Million Ounce Global Inferred Gold Resource Platform" dated 11 July 2022.
- ASX announcement titled "Strong mineralisation intercepts continue at Bendigo-Ophir" dated 20 July 2022.
- ASX announcement titled "MDD054 "Jewellery Box" Drillhole Delivers Exceptional Result" dated 26 July 2022.
- ASX announcement titled "MDD054 Jewellery Box Re-Assays to 1,400g/t Gold" dated 22 August 2022.
- ASX announcement titled "New gold intercepts exceed previous grades & thicknesses" dated 6 September 2022.
- ASX announcement titled "Multiple Gold intercepts beyond all Resource Halos" dated 18 October 2022
- ASX announcement titled "RAS continues to deliver strong gold grades" dated 2 November 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, Mr Kim Bunting who are Fellows of The Australasian Institute of Mining and Metallurgy (AusIMM) and Mr Warren Batt who is a Member of the AusIMM. Mr Keevers is an Executive Director, Mr Bunting a Director and Bendigo-Ophir Project Manager and Mr Batt a Director of the Company who have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which thay are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' Mr Keevers, Mr Bunting and Mr Batt consent to the inclusion in this report of the matters based on their 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 - New Drillholes post-dating the July MRE Update

Deposit	Hole_No	East_NZTM	North_NZTM	RL	Azimuth (T Avg)	Dip (Avg)	Length	Method	Status	Results
RAS	MDD050	1,318,276.1	5,017,476.5	688.8	253.5	-71	368.4	OHD	Completed	Reported
RAS	MDD051	1,318,032.2	5,017,177.5	740.4	264.7	-70	257.9	OHD	Completed	Reported
RAS	MDD053	1,318,292.0	5,017,990.5	532.3	291.6	-61	395.3	OHD	Completed	Reported
RAS	MDD054	1,318,091.6	5,017,233.5	714.7	278.9	-66	332.4	OHD	Completed	Reported
RAS	MDD055	1,318,333.8	5,017,972.0	533.6	331.6	-70	431.0	OHD	Completed	Reported
RAS	MDD056	1,317,948.1	5,017,110.5	770.4	266.4	-64	270.2	OHD	Completed	Reported
RAS	MDD060	1,318,325.2	5,018,296.5	630.4	256.3	-76	558.4	OHD	Completed	Reported
RAS	MDD061	1,318,002.4	5,017,114.5	767.6	267.2	-63	314.6	OHD	Completed	Reported
RAS	MDD063	1,318,249.1	5,018,321.0	632.2	253.2	-70	566.0	OHD	Completed	Reported
RAS	MDD064	1,318,081.4	5,017,118.0	756.4	255.9	-64	297.6	OHD	Completed	Reported
RAS	MDD066	1,318,425.9	5,018,322.0	617.1	178.4	-76	620.1	OHD	Completed	Reported
RAS	MDD067	1,318,124.8	5,017,177.0	727.1	283.2	-71	269.9	OHD	Completed	Reported
RAS	MDD069	1,318,424.1	5,018,322.9	617.2	257.1	-76	614.4	OHD	Completed	Reported
RAS	MDD070	1,318,091.1	5,017,002.7	778.2	260.2	-65	268.2	OHD	Completed	Reported
RAS	MDD072	1,318,095.1	5,017,058.2	770.7	254.9	-65	281.9	OHD	Completed	Reported
RAS	MDD074	1,318,268.0	5,018,202.5	618.2	252.5	-74	497.9	OHD	Completed	Reported
RAS	MDD076	1,318,194.7	5,017,114.5	727.2	262.3	-69	259.0	OHD	Completed	Reported
RAS	MDD078	1,318,452.1	5,018,204.6	580.0	247.0	-77	509.4	DD	Completed	Partial reported
RAS	MDD079	1,318,094.7	5,017,188.5	727.9	271.2	-69	279.0	DD	Completed	Partial reported
RAS	MDD080	1,317,931.6	5,017,181.0	762.9	94.6	-74	260.8	DD	Completed	Partial reported
RAS	MDD081	1,317,912.0	5,017,128.2	767.6	85.6	-75	273.4	DD	Completed	Partial reported
RAS	MDD082	1,317,970.1	5,017,187.0	754.4	267.5	-67	266.9	DD	Completed	Partial reported
RAS	MDD083	1,318,008.3	5,017,188.9	742.3	262.1	-67	272.8	DD	Completed	Reported
RAS	MDD084	1,318,097.7	5,017,399.4	674.7	259.4	-66	323.6	DD	Completed	Partial reported
RAS	MDD085	1,318,110.8	5,017,318.1	694.5	263.2	-65	266.9	DD	Completed	Partial reported
RAS	MDD086	1,318,071.6	5,017,147.7	744.0	262.6	-66	269.4	DD	Completed	Partial reported
RAS	MDD087	1,318,088.7	5,017,275.2	706.5	267.4	-70	266.9	DD	Completed	Assays pending
RAS	MDD090	1,318,078.8	5,017,209.9	722.4	269.9	-65	254.9	DD	Completed	Assays pending
RAS	MDD093	1,318,087.8	5,017,009.5	778.1	240.1	-66	235.7	DD	Completed	Assays pending
RAS	MDD096	1,318,133.4	5,017,122.6	739.9	269.2	-69	269.9	DD	Completed	Assays pending
RAS	MDD098	1,318,140.0	5,017,065.0	759.0	280.2	-66	256.5	DD	Completed	Assays pending
RAS	MDD101	1,317,828.0	5,017,240.0	729.0	288.6	-64	220.2	DD	Completed	Assays pending
SubTotal	**32**						**10,829.5**			
CIT	MDD032	1,317,089.5	5,018,499.5	503.4	279.7	-64	197.9	OHD	Completed	Reported
CIT	MDD035	1,317,192.1	5,018,500.0	501.7	265.5	-66	236.5	OHD	Completed	Reported
CIT	MDD038	1,317,166.4	5,018,435.5	517.6	273.6	-66	213.0	OHD	Completed	Reported
CIT	MDD040	1,317,160.0	5,018,331.0	546.3	279.3	-65	194.0	OHD	Completed	Reported
CIT	MDD043	1,317,161.9	5,018,272.5	556.0	276.9	-67	184.3	OHD	Completed	Reported
CIT	MDD046	1,317,159.6	5,018,179.0	594.2	270.9	-66	178.4	OHD	Completed	Reported
CIT	MDD049	1,317,177.2	5,018,641.0	442.9	258.2	-65	232.0	OHD	Completed	Reported
CIT	MDD052	1,317,277.0	5,018,612.5	446.8	253.0	-68	223.4	OHD	Completed	Reported
CIT	MDD057	1,317,066.4	5,018,427.0	518.0	271.8	-61	179.0	OHD	Completed	Reported
CIT	MDD058	1,317,053.6	5,018,346.5	536.7	270.1	-61	159.3	OHD	Completed	Reported
SubTotal	**10**						**1,997.8**			
SHR	MDD059	1,319,320.0	5,016,083.0	854.4	236.6	-73	347.9	OHD	Completed	Reported
SHR	MDD062	1,319,100.0	5,016,214.0	859.5	245.3	-71	266.2	OH	Re-Drilled	Reported
SHR	MDD062R	1,319,101.4	5,016,214.0	859.3	245.5	-69	373.3	OHD	Completed	Reported
SHR	MDD065	1,319,204.5	5,016,129.5	862.3	245.7	-74	348.1	OHD	Completed	Reported
SHR	MDD068	1,318,993.9	5,016,333.3	845.7	245.7	-73	333.0	OHD	Completed	Reported
SHR	MDD077	1,319,428.3	5,016,007.1	856.3	244.5	-70	360.0	OHD	Completed	Partial reported
SubTotal	**6**						**2,028.5**			
SRE	MDD071	1,319,863.1	5,015,662.2	853.9	250.1	-65	230.9	OHD	Completed	Reported
SRE	MDD073	1,319,869.4	5,015,661.5	853.9	184.6	-60	263.2	OHD	Completed	Reported
SRE	MDD075	1,320,130.0	5,015,414.8	876.7	254.3	-63	237.0	OHD	Completed	Reported
SRE	MDD088	1,320,064.1	5,015,546.1	887.7	269.0	-64	309.0	DD	Completed	Assays pending
SRE	MDD089	1,319,885.7	5,015,801.9	844.0	204.0	-64	314.9	DD	Completed	Assays pending
SRE	MDD092	1,319,886.1	5,015,796.8	844.1	275.5	-69	284.0	DD	Completed	Assays pending
SRE	MDD094	1,320,042.9	5,015,654.2	876.4	260.6	-63	296.7	DD	Completed	Assays pending
SRE	MDD095	1,319,935.2	5,015,945.7	832.5	180.0	-60	325.0	DD	Completed	Assays pending
SRE	MDD099	1,320,078.4	5,015,778.6	851.6	253.1	-73	319.2	DD	Completed	Assays pending
SubTotal	**9**						**2,579.9**			
TSD	MRC095	1,320,365.9	5,014,428.7	964.2	95.5	-88	54.0	RC	Completed	Reported
TSD	MRC096	1,320,328.1	5,014,431.9	961.1	239.1	-73	96.0	RC	Completed	Reported
TSD	MRC097	1,320,512.4	5,014,569.0	978.4	262.8	-71	87.0	RC	Completed	Assays pending
TSD	MRC098	1,320,615.6	5,014,704.7	968.7	265.9	-73	120.0	RC	Completed	Assays pending
TSD	MRC099	1,320,484.9	5,014,875.6	941.5	270.0	-60	120.0	RC	Completed	Assays pending
TSD	MRC100DT	1,320,349.0	5,014,990.6	942.6	270.0	-60	127.4	RC	Completed	Assays pending
TSD	MRC101	1,321,054.0	5,014,329.1	868.2	270.0	-60	14.0	RC	Re-Drilled	Assays pending
TSD	MDD100	1,320,220.0	5,015,191.0	909.0	290.4	-62	210.7	DD	Completed	Assays pending
SubTotal	**8**						**829.1**			
TOTAL	**65**						**18,264.8**			

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Appendix 2 RAS – MDD080 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD080	MG16752	0.0	177.0	177.0			TZ3	
MDD080	MG16752	177.0	178.0	1.0	-0.01	*	TZ3	
MDD080	MG16753	178.0	178.6	0.6	-0.01	*	TZ3	
MDD080	MG16754	178.6	179.0	0.4	-0.01	*	TGF	
MDD080	MG16755	179.0	180.0	1.0	3.93	*	RSSZ	
MDD080	MG16756	180.0	181.0	1.0	0.56	*	RSSZ	
MDD080	MG16757	181.0	182.0	1.0	10.50	*	RSSZ	
MDD080	MG16758	182.0	183.0	1.0	0.20	*	RSSZ	
MDD080	MG16759	183.0	184.0	1.0	0.75	*	RSSZ	
MDD080	MG16760	184.0	185.0	1.0	1.56	*	RSSZ	
MDD080	MG16761	185.0	186.0	1.0	4.49	*	RSSZ	
MDD080	MG16762	186.0	187.0	1.0	20.70	*	RSSZ	
MDD080	MG16763	187.0	188.0	1.0	13.90	*	RSSZ	
MDD080	MG16764	188.0	189.0	1.0	7.32	*	RSSZ	
MDD080	MG16765	189.0	190.0	1.0	11.70	*	RSSZ	
MDD080	MG16766	190.0	191.0	1.0	30.90	*	RSSZ	P
MDD080	MG16768	191.0	192.0	1.0	5.33	*	RSSZ	
MDD080	MG16769	192.0	193.0	1.0	0.65	*	RSSZ	
MDD080	MG16770	193.0	194.0	1.0	7.49	*	RSSZ	P
MDD080	MG16772	194.0	195.0	1.0	5.21	*	RSSZ	
MDD080	MG16776	195.0	196.0	1.0	0.16	*	RSSZ	
MDD080	MG16777	196.0	197.0	1.0	0.22	*	RSSZ	
MDD080	MG16778	197.0	198.0	1.0	3.13	*	RSSZ	
MDD080	MG16779	198.0	199.0	1.0	1.95	*	RSSZ	
MDD080	MG16780	199.0	200.0	1.0	0.45	*	RSSZ	P
MDD080	MG16782	200.0	201.0	1.0	0.09	*	RSSZ	
MDD080	MG16783	201.0	202.0	1.0	0.07	*	RSSZ	
MDD080	MG16784	202.0	203.0	1.0	0.55	*	RSSZ	
MDD080	MG16785	203.0	204.0	1.0	0.17	*	RSSZ	
MDD080	MG16786	204.0	205.0	1.0	2.44	*	RSSZ	P
MDD080	MG16788	205.0	206.0	1.0	9.92	*	RSSZ	P
MDD080	MG16790	206.0	207.0	1.0	6.11	*	RSSZ	
MDD080	MG16791	207.0	208.0	1.0	6.31	*	RSSZ	P
MDD080	MG16793	208.0	209.0	1.0	6.71	*	RSSZ	
MDD080	MG16794	209.0	210.0	1.0	33.30	*	RSSZ	P
MDD080	MG16796	210.0	211.0	1.0	6.90	*	RSSZ	P
MDD080	MG16798	211.0	212.0	1.0	0.65	*	RSSZ	
MDD080	MG16799	212.0	213.0	1.0	3.32	*	RSSZ	
MDD080	MG16800	213.0	214.0	1.0	0.05	*	RSSZ	
MDD080	MG16804	214.0	215.0	1.0	0.68	*	TZ4	
MDD080	MG16805	215.0	216.0	1.0	0.25	*	RSSZ	
MDD080	MG16806	216.0	217.0	1.0	0.20	*	RSSZ	
MDD080	MG16807	217.0	218.0	1.0	3.48	*	RSSZ	P
MDD080	MG16809	218.0	219.0	1.0	6.61	*	RSSZ	
MDD080	MG16810	219.0	220.0	1.0	0.21	*	RSSZ	
MDD080	MG16811	220.0	221.0	1.0	2.43	*	RSSZ	
MDD080	MG16812	221.0	222.0	1.0	53.40	*	RSSZ	P
MDD080	MG16814	222.0	223.0	1.0	0.89	*	RSSZ	
		223.0	*260.8*	*37.8*	*pending*			

* pXRF multi-element analyses pending

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Appendix 2 RAS – MDD081 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD081		0.0	161.2	161.2			TZ3	
MDD081	MG20693	161.2	162.0	0.8	-0.01	12	TZ3	
MDD081	MG20694	162.0	162.8	0.8	0.01	12	TZ3	
MDD081	MG20695	162.8	163.4	0.6	0.02	19	TGF	
MDD081	MG20696	163.4	164.0	0.6	0.42	4,196	RSSZ	
MDD081	MG20697	164.0	165.0	1.0	0.94	2,510	RSSZ	
MDD081	MG20698	165.0	166.0	1.0	10.60	2,136	RSSZ	
MDD081	MG20699	166.0	167.0	1.0	8.39	2,883	RSSZ	
MDD081	MG20700	167.0	168.0	1.0	10.90	2,911	RSSZ	
MDD081	MG20701	168.0	169.0	1.0	3.10	3,817	RSSZ	P
MDD081	MG20703	169.0	170.0	1.0	2.64	5,145	RSSZ	
MDD081	MG20704	170.0	171.0	1.0	4.10	2,148	RSSZ	
MDD081	MG20705	171.0	172.0	1.0	32.00	4,163	RSSZ	
MDD081	MG20706	172.0	173.0	1.0	5.55	4,118	RSSZ	
MDD081	MG20707	173.0	174.0	1.0	1.79	3,161	RSSZ	
MDD081	MG20708	174.0	175.0	1.0	0.38	3,283	RSSZ	
MDD081	MG20709	175.0	176.0	1.0	5.51	3,264	RSSZ	
MDD081	MG20710	176.0	177.0	1.0	8.82	1,161	RSSZ	
MDD081	MG20711	177.0	178.0	1.0	9.76	1,153	RSSZ	
MDD081	MG20712	178.0	179.0	1.0	4.18	677	RSSZ	P
MDD081	MG20714	179.0	180.0	1.0	1.64	1,912	RSSZ	
MDD081	MG20715	180.0	181.0	1.0	0.37	539	RSSZ	
MDD081	MG20719	181.0	182.0	1.0	4.25	1,874	RSSZ	
MDD081	MG20720	182.0	183.0	1.0	3.00	2,014	RSSZ	
MDD081	MG20721	183.0	184.0	1.0	1.05	1,678	RSSZ	
MDD081	MG20722	184.0	185.0	1.0	1.64	2,989	RSSZ	
MDD081	MG20723	185.0	186.0	1.0	1.50	4,511	RSSZ	P
MDD081	MG20725	186.0	187.0	1.0	4.12	2,938	RSSZ	
MDD081	MG20726	187.0	188.0	1.0	0.16	1,412	RSSZ	
MDD081	MG20727	188.0	189.0	1.0	0.04	232	RSSZ	
MDD081	MG20728	189.0	190.0	1.0	0.01	131	RSSZ	
MDD081	MG20729	190.0	191.0	1.0	2.80	1,629	RSSZ	P
MDD081	MG20731	191.0	192.0	1.0	0.22	1,604	RSSZ	
MDD081	MG20732	192.0	193.0	1.0	1.27	4,279	RSSZ	
MDD081	MG20733	193.0	194.0	1.0	0.48	2,571	RSSZ	
MDD081	MG20734	194.0	195.0	1.0	0.25	2,684	RSSZ	
MDD081	MG20735	195.0	196.0	1.0	0.53	3,446	RSSZ	
MDD081	MG20736	196.0	197.0	1.0	0.07	936	RSSZ	
MDD081	MG20737	197.0	198.0	1.0	0.18	2,103	RSSZ	
MDD081	MG20738	198.0	199.0	1.0	0.09	2,478	RSSZ	
MDD081	MG20739	199.0	200.0	1.0	0.15	2,317	RSSZ	
MDD081	MG20740	200.0	201.0	1.0	0.27	2,396	RSSZ	
MDD081	MG20741	201.0	202.0	1.0	4.38	12,907	RSSZ	
MDD081	MG20745	202.0	203.0	1.0	0.23	1,279	RSSZ	
MDD081	MG20746	203.0	204.0	1.0	0.22	2,338	RSSZ	
MDD081	MG20747	204.0	205.0	1.0	0.20	3,211	RSSZ	
MDD081	MG20748	205.0	206.0	1.0	0.13	3,477	RSSZ	
MDD081	MG20749	206.0	207.0	1.0	0.74	665	RSSZ	
MDD081	MG20750	207.0	208.0	1.0	0.81	1,531	RSSZ	
MDD081	MG20751	208.0	209.0	1.0	0.04	689	RSSZ	
MDD081	MG20752	209.0	210.0	1.0	0.05	1,425	RSSZ	
MDD081	MG20753	210.0	211.0	1.0	0.70	3,310	RSSZ	
MDD081	MG20754	211.0	212.0	1.0	0.73	885	RSSZ	
MDD081	MG20755	212.0	213.0	1.0	0.08	999	RSSZ	
MDD081	MG20756	213.0	214.0	1.0	0.63	2,748	RSSZ	
MDD081	MG20757	214.0	215.0	1.0	0.22	1,463	RSSZ	
MDD081	MG20758	215.0	216.0	1.0	0.29	1,624	RSSZ	
MDD081	MG20759	216.0	217.0	1.0	0.04	195	RSSZ	
MDD081	MG20760	217.0	218.0	1.0	0.13	1,773	RSSZ	
MDD081	MG20761	218.0	219.0	1.0	0.01	140	TZ4	
MDD081	MG20762	219.0	220.0	1.0	-0.01	23	TZ4	
MDD081	MG20763	220.0	221.0	1.0	-0.01	48	TZ4	
MDD081	MG20764	221.0	222.0	1.0	0.04	436	TZ4	
MDD081	MG20765	222.0	223.0	1.0	0.03	861	TZ4	
		223.0	*273.4*	*50.4*	*pending*			

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Appendix 2 RAS – MDD082 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD082		0.0	146.0	146.0			TZ3	
MDD082	MG18112	146.0	147.0	1.0	0.01	*	TZ3	
MDD082	MG18113	147.0	148.0	0.9	-0.01	*	TZ3	
MDD082	MG18114	148.0	148.6	0.7	0.01	*	TGF	
MDD082	MG18115	148.6	150.0	1.4	0.04	*	TZ4	
MDD082	MG18116	150.0	151.0	1.0	0.17	*	TZ4	
MDD082	MG18117	151.0	152.0	1.0	0.08	*	TZ4	
MDD082	MG18118	152.0	153.0	1.0	0.07	*	TZ4	
MDD082	MG18119	153.0	154.0	1.0	0.03	*	TZ4	
MDD082	MG18120	154.0	155.0	1.0	0.08	*	TZ4	
MDD082	MG18121	155.0	156.0	1.0	0.05	*	TZ4	
MDD082	MG18122	156.0	157.0	1.0	5.41	*	TZ4	
MDD082	MG18123	157.0	158.0	1.0	0.46	*	TZ4	
MDD082	MG18124	158.0	159.0	1.0	0.80	*	RSSZ	
MDD082	MG18125	159.0	160.0	1.0	0.20	*	RSSZ	
MDD082	MG18126	160.0	161.0	1.0	0.15	*	RSSZ	
MDD082	MG18127	161.0	162.0	1.0	0.04	*	TZ4	
MDD082	MG18128	162.0	163.0	1.0	0.02	*	TZ4	
MDD082	MG18129	163.0	164.0	1.0	0.30	*	TZ4	
MDD082	MG18130	164.0	165.0	1.0	0.06	*	TZ4	
MDD082	MG18131	165.0	166.0	1.0	0.09	*	TZ4	
MDD082	MG18135	166.0	167.0	1.0	0.09	*	TZ4	
MDD082	MG18136	167.0	168.0	1.0	0.04	*	TZ4	
MDD082	MG18137	168.0	169.0	1.0	0.09	*	TZ4	
MDD082	MG18138	169.0	170.0	1.0	0.14	*	RSSZ	
MDD082	MG18139	170.0	171.0	1.0	0.07	*	TZ4	
MDD082	MG18140	171.0	172.0	1.0	0.02	*	TZ4	
MDD082	MG18141	172.0	173.0	1.0	0.17	*	TZ4	
MDD082	MG18142	173.0	174.0	1.0	2.32	*	RSSZ	P
MDD082	MG18144	174.0	175.0	1.0	8.76	*	TZ4	
MDD082	MG18145	175.0	176.0	1.0	0.27	*	RSSZ	
MDD082	MG18146	176.0	177.0	1.0	3.30	*	RSSZ	P
MDD082	MG18148	177.0	178.0	1.0	0.16	*	RSSZ	
MDD082	MG18149	178.0	179.0	1.0	0.02	*	TZ4	
MDD082	MG18150	179.0	180.0	1.0	0.03	*	TZ4	
MDD082	MG18151	180.0	181.0	1.0	0.02	*	TZ4	
MDD082	MG18152	181.0	182.0	1.0	-0.01	*	TZ4	
MDD082	MG18153	182.0	183.0	1.0	5.35	*	RSSZ	
MDD082	MG18154	183.0	184.0	1.0	0.69	*	RSSZ	
MDD082	MG18155	184.0	185.0	1.0	0.13	*	TZ4	
MDD082	MG18156	185.0	186.0	1.0	0.18	*	TZ4	
		186.0	*266.9*	*80.9*	*pending*			
* pXRF multi-element analyses pending								

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Appendix 2 RAS – MDD083 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD083		0.0	144.0	144.0			TZ3	
MDD083	MG16859	144.0	145.0	1.0	0.01	*	TZ3	
MDD083	MG16860	145.0	146.0	1.0	-0.01	*	TZ3	
MDD083	MG16861	146.0	146.8	0.8	-0.01	*	TZ3	
MDD083	MG16862	146.8	147.3	0.5	0.02	*	TGF	
MDD083	MG16863	147.3	148.0	0.7	9.59	*	RSSZ	
MDD083	MG16864	148.0	149.0	1.0	1.59	*	RSSZ	
MDD083	MG16865	149.0	150.0	1.0	1.61	*	RSSZ	
MDD083	MG16866	150.0	151.0	1.0	1.07	*	RSSZ	
MDD083	MG16867	151.0	152.0	1.0	0.53	*	RSSZ	
MDD083	MG16868	152.0	153.0	1.0	0.36	*	RSSZ	
MDD083	MG16869	153.0	154.0	1.0	0.32	*	RSSZ	
MDD083	MG16870	154.0	155.0	1.0	3.68	*	RSSZ	
MDD083	MG16871	155.0	156.0	1.0	4.29	*	RSSZ	
MDD083	MG16872	156.0	157.0	1.0	9.62	*	RSSZ	
MDD083	MG16873	157.0	158.0	1.0	32.90	*	RSSZ	
MDD083	MG16874	158.0	159.0	1.0	1.27	*	RSSZ	
MDD083	MG16875	159.0	160.0	1.0	0.29	*	RSSZ	
MDD083	MG16876	160.0	161.0	1.0	0.61	*	RSSZ	
MDD083	MG16877	161.0	162.0	1.0	0.42	*	RSSZ	
MDD083	MG16878	162.0	163.0	1.0	0.19	*	RSSZ	
MDD083	MG16882	163.0	164.0	1.0	0.12	*	RSSZ	
MDD083	MG16883	164.0	165.0	1.0	0.24	*	RSSZ	
MDD083	MG16884	165.0	166.0	1.0	1.40	*	RSSZ	
MDD083	MG16885	166.0	167.0	1.0	0.88	*	RSSZ	
MDD083	MG16886	167.0	168.0	1.0	1.77	*	RSSZ	
MDD083	MG16887	168.0	169.0	1.0	0.18	*	RSSZ	
MDD083	MG16888	169.0	170.0	1.0	0.09	*	RSSZ	
MDD083	MG16889	170.0	171.0	1.0	0.30	*	RSSZ	
MDD083	MG16890	171.0	172.0	1.0	2.08	*	TZ4	
MDD083	MG16891	172.0	173.0	1.0	0.10	*	TZ4	
MDD083	MG16892	173.0	174.0	1.0	0.87	*	TZ4	
MDD083	MG16893	174.0	175.0	1.0	0.82	*	RSSZ	
MDD083	MG16894	175.0	176.0	1.0	0.33	*	RSSZ	
MDD083	MG16895	176.0	177.0	1.0	0.21	*	RSSZ	
MDD083	MG16896	177.0	178.0	1.0	0.08	*	RSSZ	
MDD083	MG16897	178.0	179.0	1.0	0.28	*	TZ4	
MDD083	MG16898	179.0	180.0	1.0	0.78	*	RSSZ	
MDD083	MG16899	180.0	181.0	1.0	7.25	*	RSSZ	
MDD083	MG16900	181.0	182.0	1.0	1.97	*	RSSZ	
MDD083	MG16901	182.0	183.0	1.0	0.27	*	RSSZ	
MDD083	MG16905	183.0	184.0	1.0	2.19	*	RSSZ	
MDD083	MG16906	184.0	185.0	1.0	0.39	*	RSSZ	
MDD083	MG16907	185.0	186.0	1.0	0.24	*	RSSZ	
MDD083	MG16908	186.0	187.0	1.0	0.15	*	RSSZ	
MDD083	MG16909	187.0	188.0	1.0	0.24	*	RSSZ	
MDD083	MG16910	188.0	189.0	1.0	0.44	*	RSSZ	
MDD083	MG16911	189.0	190.0	1.0	0.19	*	RSSZ	
MDD083	MG16912	190.0	191.0	1.0	0.49	*	RSSZ	
MDD083	MG16913	191.0	192.0	1.0	7.30	*	RSSZ	
MDD083	MG16914	192.0	193.0	1.0	15.40	*	RSSZ	
MDD083	MG16915	193.0	194.0	1.0	0.69	*	RSSZ	
MDD083	MG16916	194.0	195.0	1.0	7.21	*	RSSZ	
MDD083	MG16917	195.0	196.0	1.0	0.21	*	RSSZ	
MDD083	MG16918	196.0	197.0	1.0	0.18	*	RSSZ	
MDD083	MG16919	197.0	198.0	1.0	0.37	*	TZ4	
MDD083	MG16920	198.0	199.0	1.0	0.01	*	TZ4	
MDD083	MG16921	199.0	200.0	1.0	-0.01	*	TZ4	
MDD083	MG16922	200.0	201.0	1.0	0.30	*	RSSZ	
MDD083	MG16923	201.0	202.0	1.0	-0.01	*	TZ4	
MDD083	MG16924	202.0	203.0	1.0	0.01	*	TZ4	
MDD083	MG16928	203.0	204.0	1.0	0.01	*	TZ4	
MDD083	MG16929	204.0	205.0	1.0	0.05	*	TZ4	
MDD083	MG16930	205.0	206.0	1.0	0.06	*	TZ4	
MDD083	MG16931	206.0	207.0	1.0	-0.01	*	TZ4	
MDD083	MG16932	207.0	208.0	1.0	-0.01	*	TZ4	
MDD083	MG16933	208.0	209.0	1.0	0.17	*	TZ4	P
MDD083	MG16935	209.0	210.0	1.0	0.14	*	RSSZ	P
MDD083	MG16937	210.0	211.0	1.0	-0.01	*	TZ4	
MDD083	MG16938	211.0	212.0	1.0	0.06	*	TZ4	
MDD083	MG16939	212.0	213.0	1.0	3.39	*	RSSZ	P
MDD083	MG16941	213.0	214.0	1.0	0.28	*	RSSZ	
MDD083	MG16942	214.0	215.0	1.0	0.28	*	RSSZ	
MDD083	MG16943	215.0	216.0	1.0	0.01	*	TZ4	
MDD083	MG16944	216.0	217.0	1.0	0.11	*	RSSZ	
MDD083	MG16945	217.0	218.0	1.0	0.13	*	TZ4	
MDD083	MG16946	218.0	219.0	1.0	0.32	*	TZ4	
MDD083	MG16947	219.0	220.0	1.0	0.13	*	RSSZ	
MDD083	MG16948	220.0	221.0	1.0	0.11	*	TZ4	
MDD083	MG16949	221.0	222.0	1.0	0.15	*	TZ4	
MDD083	MG16950	222.0	223.0	1.0	1.26	*	RSSZ	
MDD083	MG16954	223.0	224.0	1.0	0.75	*	RSSZ	
MDD083	MG16955	224.0	225.0	1.0	0.49	*	RSSZ	
MDD083	MG16956	225.0	226.0	1.0	0.11	*	RSSZ	
MDD083	MG16957	226.0	227.0	1.0	-0.01	*	TZ4	
MDD083	MG16958	227.0	228.0	1.0	-0.01	*	TZ4	
MDD083	MG16959	228.0	229.0	1.0	-0.01	*	TZ4	
MDD083	MG16960	229.0	230.0	1.0	-0.01	*	TZ4	
MDD083	MG16961	230.0	231.0	1.0	-0.01	*	TZ4	
MDD083	MG16962	231.0	232.0	1.0	0.14	*	RSSZ	
MDD083	MG16963	232.0	233.0	1.0	0.04	*	RSSZ	
MDD083	MG16964	233.0	234.0	1.0	0.11	*	RSSZ	
MDD083	MG16965	234.0	235.0	1.0	0.09	*	TZ4	
MDD083	MG16966	235.0	236.0	1.0	0.08	*	RSSZ	
MDD083	MG16967	236.0	237.0	1.0	0.37	*	TZ4	
MDD083	MG16968	237.0	238.0	1.0	-0.01	*	RSSZ	P
MDD083	MG16970	238.0	239.0	1.0	0.12	*	TZ4	
MDD083	MG16971	239.0	240.0	1.0	0.12	*	RSSZ	
MDD083	MG16972	240.0	241.0	1.0	0.10	*	TZ4	
MDD083	MG16973	241.0	242.0	1.0	1.09	*	TZ4	
MDD083	MG16974	242.0	243.0	1.0	0.28	*	RSSZ	
MDD083	MG16978	243.0	244.0	1.0	0.67	*	RSSZ	
MDD083	MG16979	244.0	245.0	1.0	3.31	*	RSSZ	
MDD083	MG16980	245.0	246.0	1.0	0.06	*	RSSZ	
MDD083	MG16981	246.0	247.0	1.0	6.18	*	RSSZ	P
MDD083	MG16983	247.0	248.0	1.0	14.80	*	RSSZ	P
MDD083	MG16985	248.0	249.0	1.0	0.23	*	RSSZ	
MDD083	MG16986	249.0	250.0	1.0	0.16	*	RSSZ	
MDD083	MG16987	250.0	251.0	1.0	0.07	*	TZ4	
MDD083	MG16988	251.0	252.0	1.0	0.48	*	RSSZ	
MDD083	MG16989	252.0	253.0	1.0	0.18	*	RSSZ	
MDD083	MG16990	253.0	254.0	1.0	1.32	*	RSSZ	
MDD083	MG16991	254.0	255.0	1.0	0.05	*	TZ4	
MDD083	MG16992	255.0	256.0	1.0	0.24	*	RSSZ	
MDD083	MG16993	256.0	257.0	1.0	2.25	*	TZ4	
MDD083	MG16994	257.0	258.0	1.0	0.05	*	TZ4	
MDD083	MG16995	258.0	259.0	1.0	0.88	*	TZ4	
MDD083	MG16996	259.0	260.0	1.0	0.05	*	TZ4	
MDD083	MG16997	260.0	261.0	1.0	0.32	*	TZ4	
MDD083	MG16998	261.0	262.0	1.0	0.15	*	TZ4	
MDD083	MG16999	262.0	263.0	1.0	-0.01	*	TZ4	
MDD083	MG27003	263.0	264.0	1.0	0.01	*	TZ4	
MDD083	MG27004	264.0	265.0	1.0	0.03	*	TZ4	
MDD083	MG27005	265.0	266.0	1.0	-0.01	*	TZ4	
MDD083	MG27006	266.0	267.0	1.0	0.12	*	TZ4	
MDD083	MG27007	267.0	268.0	1.0	0.26	*	TZ4	
MDD083	MG27008	268.0	269.0	1.0	-0.01	*	TZ4	
MDD083	MG27009	269.0	270.0	1.0	0.11	*	TZ4	
MDD083	MG27010	270.0	271.0	1.0	10.10	*	RSSZ	P
MDD083	MG27012	271.0	272.0	1.0	0.91	*	RSSZ	
MDD083	MG27013	272.0	272.8	0.8	-0.01	*	TZ4	

* pXRF multi-element analyses pending

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Appendix 2 RAS – MDD084 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD084		0.0	174.0	174.0			TZ3	
MDD084	MG27014	174.0	175.0	1.0	-0.01	*	TZ3	
MDD084	MG27015	175.0	176.0	1.0	0.05	*	TZ3	
MDD084	MG27016	176.0	177.2	1.2	-0.01	*	TZ3	
MDD084	MG27017	177.2	177.9	0.7	0.04	*	TGF	
MDD084	MG27018	177.9	179.0	1.1	21.20	*	RSSZ	P
MDD084	MG27020	179.0	180.0	1.0	4.24	*	RSSZ	
MDD084	MG27021	180.0	181.0	1.0	3.14	*	RSSZ	
MDD084	MG27022	181.0	182.0	1.0	6.76	*	RSSZ	
MDD084	MG27023	182.0	183.0	1.0	33.90	*	RSSZ	P
MDD084	MG27025	183.0	184.0	1.0	4.83	*	RSSZ	
MDD084	MG27026	184.0	185.0	1.0	59.90	*	RSSZ	
MDD084	MG27027	185.0	186.0	1.0	20.40	*	RSSZ	P
MDD084	MG27029	186.0	187.0	1.0	17.00	*	RSSZ	P
MDD084	MG27031	187.0	188.0	1.0	1.96	*	RSSZ	P
MDD084	MG27033	188.0	189.0	1.0	3.19	*	RSSZ	P
MDD084	MG27035	189.0	190.0	1.0	1.35	*	RSSZ	P
MDD084	MG27037	190.0	191.0	1.0	3.38	*	RSSZ	
MDD084	MG27038	191.0	192.0	1.0	2.38	*	RSSZ	
MDD084	MG27039	192.0	193.0	1.0	0.44	*	RSSZ	
MDD084	MG27040	193.0	194.0	1.0	0.98	*	RSSZ	
MDD084	MG27044	194.0	195.0	1.0	0.75	*	RSSZ	
MDD084	MG27045	195.0	196.0	1.0	0.14	*	RSSZ	
MDD084	MG27046	196.0	197.0	1.0	0.38	*	RSSZ	
MDD084	MG27047	197.0	198.0	1.0	0.41	*	RSSZ	
MDD084	MG27048	198.0	199.0	1.0	0.20	*	RSSZ	
MDD084	MG27049	199.0	200.0	1.0	1.03	*	RSSZ	
MDD084	MG27050	200.0	201.0	1.0	0.14	*	RSSZ	
MDD084	MG27051	201.0	202.0	1.0	0.37	*	RSSZ	
MDD084	MG27052	202.0	203.0	1.0	4.74	*	RSSZ	
MDD084	MG27053	203.0	204.0	1.0	0.33	*	RSSZ	
MDD084	MG27054	204.0	205.0	1.0	0.73	*	RSSZ	
MDD084	MG27055	205.0	206.0	1.0	4.42	*	RSSZ	
MDD084	MG27056	206.0	207.0	1.0	121.00	*	RSSZ	P
MDD084	MG27058	207.0	208.0	1.0	33.90	*	RSSZ	P
MDD084	MG27060	208.0	209.0	1.0	1.09	*	RSSZ	
MDD084	MG27061	209.0	210.0	1.0	1.84	*	RSSZ	P
MDD084	MG27063	210.0	211.0	1.0	0.24	*	RSSZ	
MDD084	MG27064	211.0	212.0	1.0	0.07	*	RSSZ	
MDD084	MG27065	212.0	213.0	1.0	0.04	*	RSSZ	
MDD084	MG27066	213.0	214.0	1.0	0.04	*	RSSZ	
MDD084	MG27070	214.0	215.0	1.0	0.28	*	RSSZ	
MDD084	MG27071	215.0	216.0	1.0	0.08	*	RSSZ	
MDD084	MG27072	216.0	217.0	1.0	0.04	*	RSSZ	
MDD084	MG27073	217.0	218.0	1.0	0.07	*	RSSZ	
MDD084	MG27074	218.0	219.0	1.0	0.45	*	RSSZ	
MDD084	MG27075	219.0	220.0	1.0	0.15	*	RSSZ	
MDD084	MG27076	220.0	221.0	1.0	0.12	*	RSSZ	
MDD084	MG27077	221.0	222.0	1.0	1.02	*	RSSZ	
MDD084	MG27078	222.0	223.0	1.0	0.55	*	RSSZ	
MDD084	MG27079	223.0	224.0	1.0	0.34	*	RSSZ	
MDD084	MG27080	224.0	225.0	1.0	0.36	*	RSSZ	
MDD084	MG27081	225.0	226.0	1.0	0.07	*	RSSZ	
MDD084	MG27082	226.0	227.0	1.0	0.08	*	RSSZ	
MDD084	MG27083	227.0	228.0	1.0	0.72	*	RSSZ	
MDD084	MG27084	228.0	229.0	1.0	0.88	*	RSSZ	
MDD084	MG27085	229.0	230.0	1.0	0.05	*	TZ4	
MDD084	MG27086	230.0	231.0	1.0	0.07	*	RSSZ	
MDD084	MG27087	231.0	232.0	1.0	0.13	*	RSSZ	
MDD084	MG27088	232.0	233.0	1.0	0.06	*	RSSZ	
MDD084	MG27089	233.0	234.0	1.0	0.04	*	RSSZ	
MDD084	MG27093	234.0	235.0	1.0	0.30	*	RSSZ	
MDD084	MG27094	235.0	236.0	1.0	3.59	*	RSSZ	
MDD084	MG27095	236.0	237.0	1.0	0.03	*	TZ4	
MDD084	MG27096	237.0	238.0	1.0	0.03	*	RSSZ	
MDD084	MG27097	238.0	239.0	1.0	0.26	*	RSSZ	
MDD084	MG27098	239.0	240.0	1.0	0.06	*	RSSZ	
MDD084	MG27099	240.0	241.0	1.0	0.26	*	RSSZ	
MDD084	MG27100	241.0	242.0	1.0	0.22	*	RSSZ	
MDD084	MG27101	242.0	243.0	1.0	0.48	*	RSSZ	
MDD084	MG27102	243.0	244.0	1.0	0.12	*	RSSZ	
MDD084	MG27103	244.0	245.0	1.0	0.22	*	RSSZ	
MDD084	MG27104	245.0	246.0	1.0	0.04	*	RSSZ	
MDD084	MG27105	246.0	247.0	1.0	0.07	*	RSSZ	
MDD084	MG27106	247.0	248.0	1.0	0.15	*	RSSZ	
MDD084	MG27107	248.0	249.0	1.0	0.08	*	TZ4	
MDD084	MG27108	249.0	250.0	1.0	-0.01	*	TZ4	
MDD084	MG27109	250.0	251.0	1.0	0.03	*	TZ4	
MDD084	MG27110	251.0	252.0	1.0	0.13	*	RSSZ	
MDD084	MG27111	252.0	253.0	1.0	0.08	*	RSSZ	
MDD084	MG27112	253.0	254.0	1.0	0.06	*	RSSZ	
		254.0	*323.6*	*69.6*	*pending*			

* pXRF multi-element analyses pending

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Appendix 2 RAS – MDD085 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD085		0.0	169.0	169.0			TZ3	
MDD085	MG18255	169.0	170.0	1.0	-0.01	8	TZ3	
MDD085	MG18256	170.0	171.0	1.0	-0.01	8	TZ3	
MDD085	MG18257	171.0	172.4	1.4	-0.01	8	TZ3	
MDD085	MG18258	172.4	173.1	0.7	-0.01	18	TGF	
MDD085	MG18259	173.1	174.0	0.9	2.34	12,007	RSSZ	P
MDD085	MG18261	174.0	175.0	1.0	4.13	5,806	RSSZ	
MDD085	MG18262	175.0	176.0	1.0	3.56	2,685	RSSZ	
MDD085	MG18263	176.0	177.0	1.0	3.82	5,693	RSSZ	P
MDD085	MG18265	177.0	178.0	1.0	4.40	1,690	RSSZ	
MDD085	MG18266	178.0	179.0	1.0	0.17	616	RSSZ	
MDD085	MG18267	179.0	180.0	1.0	2.02	634	RSSZ	
MDD085	MG18268	180.0	181.0	1.0	3.11	372	RSSZ	P
MDD085	MG18270	181.0	182.0	1.0	1.17	345	RSSZ	P
MDD085	MG18272	182.0	183.0	1.0	0.36	1,151	RSSZ	
MDD085	MG18273	183.0	184.0	1.0	9.16	1,636	RSSZ	
MDD085	MG18274	184.0	185.0	1.0	5.01	3,540	RSSZ	P
MDD085	MG18276	185.0	186.0	1.0	6.10	4,468	RSSZ	
MDD085	MG18277	186.0	187.0	1.0	12.20	1,912	RSSZ	
MDD085	MG18278	187.0	188.0	1.0	11.90	4,002	RSSZ	
MDD085	MG18279	188.0	189.0	1.0	5.32	3,407	RSSZ	
MDD085	MG18283	189.0	190.0	1.0	3.51	1,781	RSSZ	
MDD085	MG18284	190.0	191.0	1.0	1.76	3,191	RSSZ	
MDD085	MG18285	191.0	192.0	1.0	0.72	1,023	RSSZ	
MDD085	MG18286	192.0	193.0	1.0	3.93	3,632	RSSZ	P
MDD085	MG18288	193.0	194.0	1.0	0.40	1,806	RSSZ	
MDD085	MG18289	194.0	195.0	1.0	0.45	1,796	RSSZ	
MDD085	MG18290	195.0	196.0	1.0	1.55	3,690	RSSZ	
MDD085	MG18291	196.0	197.0	1.0	3.47	2,718	RSSZ	
MDD085	MG18292	197.0	198.0	1.0	0.32	1,505	RSSZ	
MDD085	MG18293	198.0	199.0	1.0	1.36	3,284	RSSZ	
MDD085	MG18294	199.0	200.0	1.0	0.36	1,673	RSSZ	
MDD085	MG18295	200.0	201.0	1.0	0.95	1,836	RSSZ	
MDD085	MG18296	201.0	202.0	1.0	7.69	2,010	RSSZ	
MDD085	MG18297	202.0	203.0	1.0	0.21	1,056	RSSZ	
MDD085	MG18298	203.0	204.0	1.0	0.41	*	RSSZ	
MDD085	MG18299	204.0	205.0	1.0	0.97	*	RSSZ	
MDD085	MG18300	205.0	206.0	1.0	1.39	*	RSSZ	
MDD085	MG18301	206.0	207.0	1.0	11.60	*	RSSZ	
MDD085	MG18302	207.0	208.0	1.0	56.80	*	RSSZ	P
MDD085	MG18304	208.0	209.0	1.0	13.10	*	RSSZ	
MDD085	MG18308	209.0	210.0	1.0	0.43	*	RSSZ	
MDD085	MG18309	210.0	211.0	1.0	0.03	*	TZ4	
MDD085	MG18310	211.0	212.0	1.0	0.28	*	TZ4	
MDD085	MG18311	212.0	213.0	1.0	0.25	*	TZ4	
MDD085	MG18312	213.0	214.0	1.0	0.09	*	RSSZ	
MDD085	MG18313	214.0	215.0	1.0	0.09	*	RSSZ	
MDD085	MG18314	215.0	216.0	1.0	0.19	*	RSSZ	
MDD085	MG18315	216.0	217.0	1.0	0.13	*	RSSZ	
MDD085	MG18316	217.0	218.0	1.0	8.38	*	RSSZ	
MDD085	MG18317	218.0	219.0	1.0	1.29	*	RSSZ	P
MDD085	MG18319	219.0	220.0	1.0	0.13	*	RSSZ	P
MDD085	MG18321	220.0	221.0	1.0	0.63	*	RSSZ	
MDD085	MG18322	221.0	222.0	1.0	0.05	*	RSSZ	
MDD085	MG18323	222.0	223.0	1.0	0.22	*	RSSZ	
MDD085	MG18324	223.0	224.0	1.0	0.35	*	RSSZ	
MDD085	MG18325	224.0	225.0	1.0	0.04	*	RSSZ	
MDD085	MG18326	225.0	226.0	1.0	0.05	*	RSSZ	
MDD085	MG18327	226.0	227.0	1.0	0.20	*	RSSZ	
MDD085	MG18328	227.0	228.0	1.0	0.35	*	TZ4	
MDD085	MG18329	228.0	229.0	1.0	0.05	*	TZ4	
		229.0	*266.9*	*37.9*	*pending*			

* pXRF multi-element analyses pending

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Appendix 2 RAS – MDD086 Assay results

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD086		0.0	154.0	154.0			TZ3	
MDD086	MG20826	154.0	155.0	1.0	-0.01	*	TZ3	
MDD086	MG20827	155.0	156.0	1.0	-0.01	*	TZ3	
MDD086	MG20828	156.0	157.8	1.8	-0.01	*	TZ3	
MDD086	MG20829	157.8	158.6	0.8	-0.01	*	TGF	
MDD086	MG20830	158.6	160.0	1.4	1.00	*	RSSZ	
MDD086	MG20831	160.0	161.0	1.0	2.03	*	RSSZ	
MDD086	MG20832	161.0	162.0	1.0	0.74	*	RSSZ	
MDD086	MG20833	162.0	163.0	1.0	1.91	*	RSSZ	
MDD086	MG20834	163.0	164.0	1.0	8.29	*	RSSZ	
MDD086	MG20835	164.0	165.0	1.0	2.85	*	RSSZ	
MDD086	MG20836	165.0	166.0	1.0	1.73	*	RSSZ	
MDD086	MG20837	166.0	167.0	1.0	2.82	*	RSSZ	
MDD086	MG20838	167.0	168.0	1.0	0.10	*	RSSZ	
MDD086	MG20839	168.0	169.0	1.0	0.88	*	RSSZ	
MDD086	MG20840	169.0	170.0	1.0	0.32	*	RSSZ	
MDD086	MG20841	170.0	171.0	1.0	4.23	*	RSSZ	
MDD086	MG20842	171.0	172.0	1.0	5.63	*	RSSZ	
MDD086	MG20843	172.0	173.0	1.0	4.23	*	RSSZ	
MDD086	MG20844	173.0	174.0	1.0	2.35	*	RSSZ	
MDD086	MG20845	174.0	175.0	1.0	0.92	*	RSSZ	
MDD086	MG20849	175.0	176.0	1.0	1.74	*	RSSZ	
MDD086	MG20850	176.0	177.0	1.0	0.38	*	TZ4	
MDD086	MG20851	177.0	178.0	1.0	2.90	*	RSSZ	P
MDD086	MG20853	178.0	179.0	1.0	0.21	*	RSSZ	
MDD086	MG20854	179.0	180.0	1.0	0.44	*	RSSZ	
MDD086	MG20855	180.0	181.0	1.0	0.41	*	TZ4	
MDD086	MG20856	181.0	182.0	1.0	18.90	*	RSSZ	P
MDD086	MG20858	182.0	183.0	1.0	49.80	*	RSSZ	
MDD086	MG20859	183.0	184.0	1.0	20.20	*	RSSZ	P
MDD086	MG20861	184.0	185.0	1.0	0.16	*	RSSZ	
MDD086	MG20862	185.0	186.0	1.0	0.33	*	RSSZ	
MDD086	MG20863	186.0	187.0	1.0	0.02	*	TZ4	
MDD086	MG20864	187.0	188.0	1.0	0.03	*	TZ4	
MDD086	MG20865	188.0	189.0	1.0	0.06	*	TZ4	
MDD086	MG20866	189.0	190.0	1.0	15.90	*	RSSZ	
MDD086	MG20867	190.0	191.0	1.0	0.75	*	TZ4	
MDD086	MG20868	191.0	192.0	1.0	0.89	*	RSSZ	
MDD086	MG20869	192.0	193.0	1.0	0.02	*	RSSZ	
MDD086	MG20870	193.0	194.0	1.0	0.06	*	TZ4	
MDD086	MG20871	194.0	195.0	1.0	0.05	*	TZ4	
MDD086	MG20875	195.0	196.0	1.0	0.26	*	RSSZ	
MDD086	MG20876	196.0	197.0	1.0	0.19	*	RSSZ	
MDD086	MG20877	197.0	198.0	1.0	0.09	*	RSSZ	
MDD086	MG20878	198.0	199.0	1.0	0.17	*	RSSZ	
MDD086	MG20879	199.0	200.0	1.0	0.38	*	RSSZ	
MDD086	MG20880	200.0	201.0	1.0	0.12	*	RSSZ	
MDD086	MG20881	201.0	202.0	1.0	0.64	*	RSSZ	
MDD086	MG20882	202.0	203.0	1.0	1.13	*	RSSZ	
MDD086	MG20883	203.0	204.0	1.0	1.46	*	RSSZ	
MDD086	MG20884	204.0	205.0	1.0	3.91	*	RSSZ	
MDD086	MG20885	205.0	206.0	1.0	0.06	*	RSSZ	
MDD086	MG20886	206.0	207.0	1.0	0.11	*	TZ4	
MDD086	MG20887	207.0	208.0	1.0	0.07	*	RSSZ	
MDD086	MG20888	208.0	209.0	1.0	0.32	*	RSSZ	
MDD086	MG20889	209.0	210.0	1.0	0.37	*	RSSZ	
MDD086	MG20890	210.0	211.0	1.0	0.51	*	RSSZ	
MDD086	MG20891	211.0	212.0	1.0	1.36	*	RSSZ	
MDD086	MG20892	212.0	213.0	1.0	0.18	*	RSSZ	
MDD086	MG20893	213.0	214.0	1.0	0.43	*	TZ4	
MDD086	MG20894	214.0	215.0	1.0	0.22	*	RSSZ	
		215.0	*269.4*	*54.4*	*pending*			

* pXRF multi-element analyses pending

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 (85% passing) and split to provide 1kg for pulverising to -75um. Pulps are fire assayed (FAA) using a 50g charge with AAS finish. Certified standards, blanks and field replicates are inserted with the original batches at a frequency of ~4% for QAQC purposes. All pulps and crush reject (CREJ) are returned from the laboratory for further ~4% QAQC checks which involve pulp FAA re-assays by the original and an umpire laboratory and CREJ re-assayed by 500-gram (+ & -75mu) screen fire assay (SFA), 1kg BLEG (LeachWELL) and 2*500-gram Photon analysis (PHA) for gold. Where multiple assays exist for a single sample interval, larger samples are ranked in the database: PHA > BLEG > SFA > FAA. All returned pulps are analysed for a suite of 31 elements by portable XRF (pXRF).

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 ~95% 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 0-450 metres below collar). Data is recorded directly into digital spreadsheets and then uploaded into a PostgreSQL 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 (FAA) using a 50g charge. 50g charge is considered minimum requirement for the coarse nature of the gold. Larger screen fire assays (SFA), 1kg BLEG (LeachWELL) and 2*500gm Photon Analyses (PHA) 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 MDD079. 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 or FAD505 DDL 1ppm Au & FAD52V DDL 500ppm 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 secs (90 secs total). pXRF QAQC checks involve 2x daily calibration and QAQC analyses of SiO2 blank, NIST standards (NIST 2710a & NIST 2711a), & OREAS standards (238, 235 & 211). For laboratory QAQC, samples (3*certified standards, blanks and field replicates) are inserted into laboratory batches at a frequency of ~4% and ~5% respectively. Once 1,000 samples have been assayed a ~5% selection of retained lab pulps across a range of grades are sent for re-assay and 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 larger sample results are adopted. To date results are accurate and fit well with the mineralisation model. Twinned data is available where DD core holes have been sited adjacent to previous RC drillholes and where DD redrills have occurred. 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 an experienced surveyor using RTK-GPS equipment. All drillholes to MDD103 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 or continuously with a Precision north seeking Gyro downhole survey tool.
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 an azimuth between 180T and 270°T to intercept mineralisation at a reasonable angle and facilitate core orientation measurements. Drillholes MDD044, MDD047, MDD053 and MDD055 at RAS were, oriented north (-60° dip) 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 independent CP site audits will be undertaken prior to end 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 (and 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. 1.50g/t Au cut-off is possible economically underground exploitable 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 apparent 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 and east 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 2021 MRE update (to JORC Code 2012) completed in September 2021 increased Inferred Resources 155% to 643Koz from the 252Koz 2019 MRE (uncut & 0.25g/t lower cut-off). A 2022 MRE upgrade of RAS was completed in early July 2022 which increased the Global Inferred resources 3-fold to 2.1Moz (top-cut & 0.25g/t lower cut-off). Potential extensions to mineralisation and resources currently being drill tested are shown in figures in the body of the text.