RAS CONTINUES TO DELIVER STRONG GOLD GRADES OVER WIDE INTERVALS

- **Two drill intercepts 1,040m apart and beyond extents of the Rise & Shine (RAS) Deposit add to a large inventory of thick gold intersections that RAS has continued to deliver since April 2021 when the NNE trending high-grade shoot mineralisation was first revealed in drillhole MDD007.**
  - **RAS Northern extension**
    - **MDD078 aggregate <u>20.6m @ 2.5 g/t Au</u> between 406.4m and 458m**
      - **Including <u>2m @ 12.5 g/t Au</u> from 456m**
  - **RAS South-eastern extension "RAS Ridge"**
    - **MDD079 aggregate <u>22.0m @ 7.4 g/t Au</u> between 168m and 203m**
      - **Including <u>8m @ 13.1 g/t Au</u> from 168m**
- **These new intercepts outside the RAS July 2022 Inferred Resource Estimate (MRE) together with other results (~14,300 metres completed in 46 holes after those in the July MRE) and assays pending will be used in a RAS MRE upgrade scheduled to commence in early December.**
- **Drilling, accelerated 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.**

2 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 (14,347 metres completed since the MRE) is continuing to expand resource potential (Figure 1).

Commenting on the results Executive Director Dick Keevers said:

""RAS continues to please at both ends, deep in the NE and shallower in the SE, more than a kilometre apart. Patience is the go at other prospects, as our drilling probes further SE along the RSSZ. Great expectations."

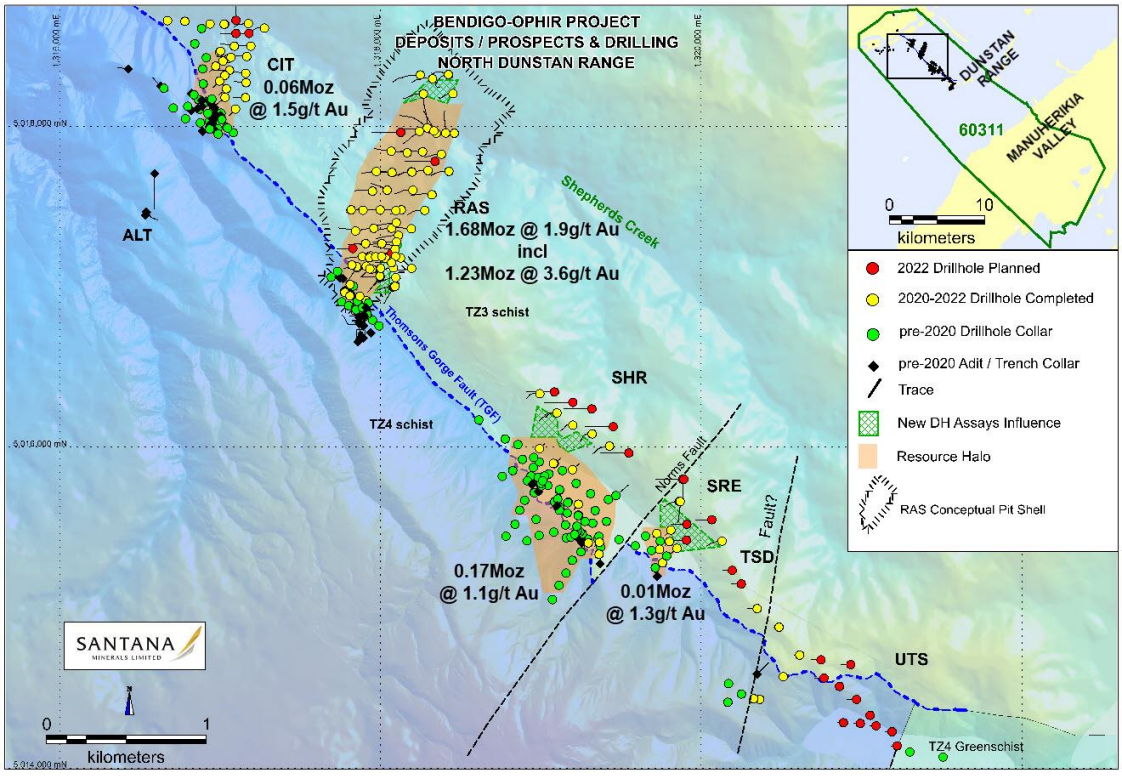
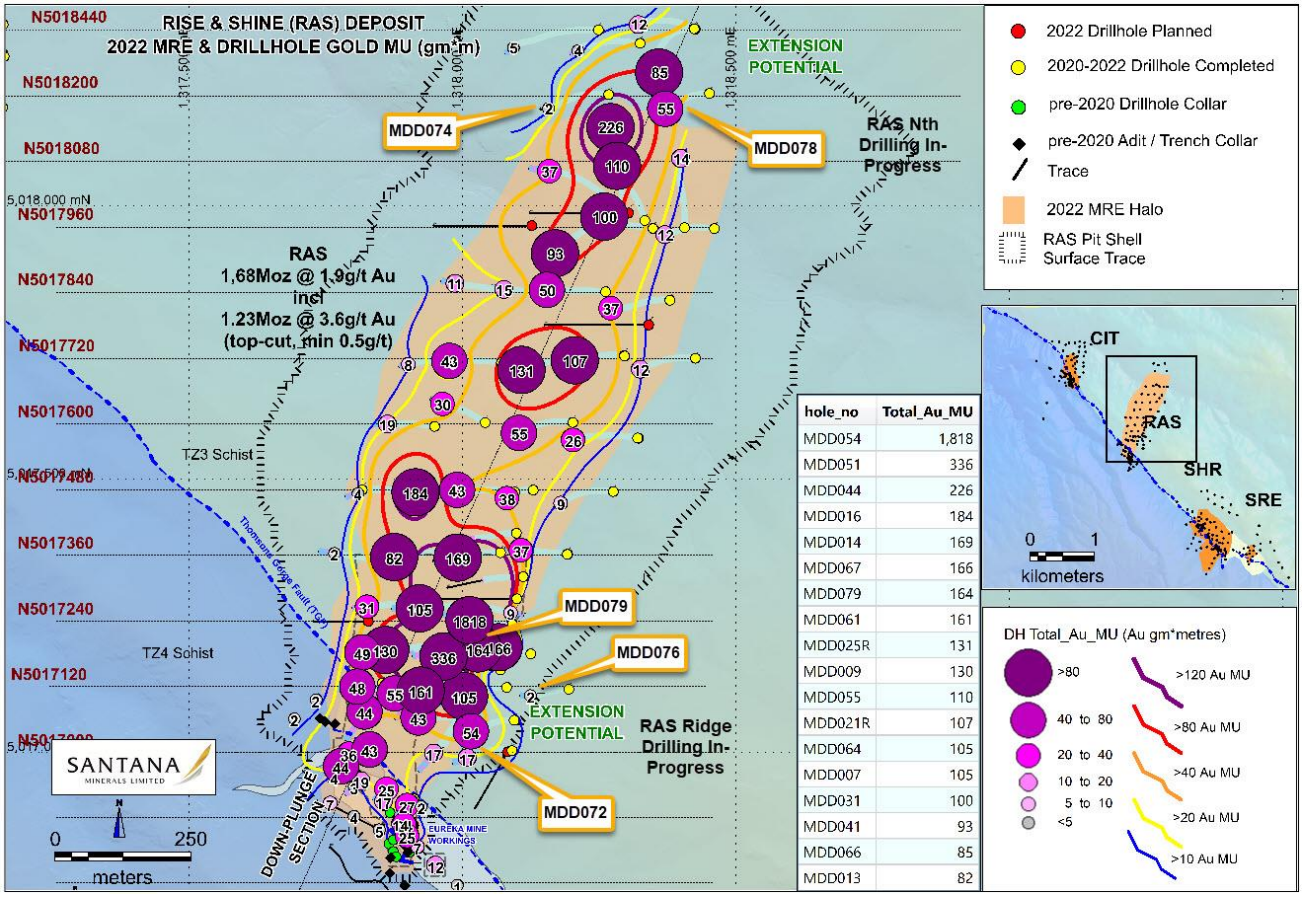


Figure 1 North Dunstan Range Deposits / Resources

Latest Drill Assay Results from RAS

Assays have been received for 5 RAS drillholes; MDD074 and MDD078 from RAS North (northern extension) and MDD072, MDD076, MDD079 from RAS Ridge (South-eastern extension) (Table 1, Figures 1-5, Appendix 1 & 2). The two RAS sub-areas are ~1,000 metres apart and lie at the limits of the presently defined 1.5-kilometre NNE trending down-plunge shoot (Figure 2).



hole_no	Total_Au_MU
MDD054	1,818
MDD051	336
MDD044	226
MDD016	184
MDD014	169
MDD067	166
MDD079	164
MDD061	161
MDD025R	131
MDD009	130
MDD055	110
MDD021R	107
MDD064	105
MDD007	105
MDD031	100
MDD041	93
MDD066	85
MDD013	82

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

Significant new drillhole Intercepts in MDD078 and MDD079 together with the balance of assays for previously reported MDD072 (ASX announcement on 18 October 2022) confirm continuity of RAS shoot mineralisation in the north-east and south-east of RAS respectively.

- **MDD072** - aggregate **17.0 metres @ 2.7 g/t Au** including **8m @ 4.8 g/t Au**
- **MDD078** - aggregate **20.6 metres @ 2.5 g/t Au** including **2m @ 12.5 g/t Au**
- **MDD079** - aggregate **22.0 metres @ 7.4 g/t Au** including **8m @ 13.1 g/t Au**

The high-grade intercepts in these drillholes are in the upper mineralised domains (Figure 3) of the RSSZ hanging-wall-shear (HWS) that reported **1.23Moz @ 3.6g/t Au** (top-cut, 1.5g/t Au lower cut-off) 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).

Bonanza grades (1 metre >10g/t Au) "typical" of RAS mineralisation and often flagged by visible gold, are present in all three drillholes (Appendix 2).

- MDD072, **26.3g/t Au** from 205m
- MDD078, **16.4g/t Au** from 456m,
- MDD079, **47.3g/t Au** from 173m, **32.3g/t Au** from 174m, **10.7g/t Au** from 175m, **13.2g/t Au** from 182m, **12.1g/t Au** from 188m and **15.0g/t Au** from 196m.

Lower grade intercepts in MDD074 and MDD076 have narrower thickness and appear to close off mineralisation to the north-west and south-east respectively.

- **MDD074** - continuous **1.0 metre @ 0.8 g/t Au**
- **MDD076** - aggregate **3.0 metres @ 1.0 g/t Au**

Table 1 RAS Drillholes – Mineralised Intercepts at a 0.5 g/t Cut-off Grade

Deposit	Drillhole	From (m)	Drill intercept (m)	Average Gold Grade (g/t) (min 0.50 g/t Au)	Comments
RAS	MDD072	189.0	7.0	0.88	
		202.0	8.0	4.79	
		221.0	2.0	0.98	
		Aggregate	17.0	2.73	(over 34.0m) balance of assays, fully reported
	MDD074	306.7	1.0	0.84	
		Continuous	1.0	0.84	balance of assays, now fully reported
	MDD076	192.0	1.0	1.07	
		229.0	1.0	1.36	
		240.0	1.0	0.56	
		Aggregate	3.0	1.00	(over 50.0m) balance of assays, fully reported
	MDD078	406.4	18.6	1.43	
		456.0	2.0	12.46	
		Aggregate	20.6	2.50	(over 51.6m) partial result, 49.4m assays pending
	MDD079	168.0	8.0	13.10	
		180.0	4.0	5.81	
		188.0	3.0	4.93	
		196.0	7.0	2.80	
		Aggregate	22.0	7.38	(over 35.0m) partial result, 75.0m assays pending

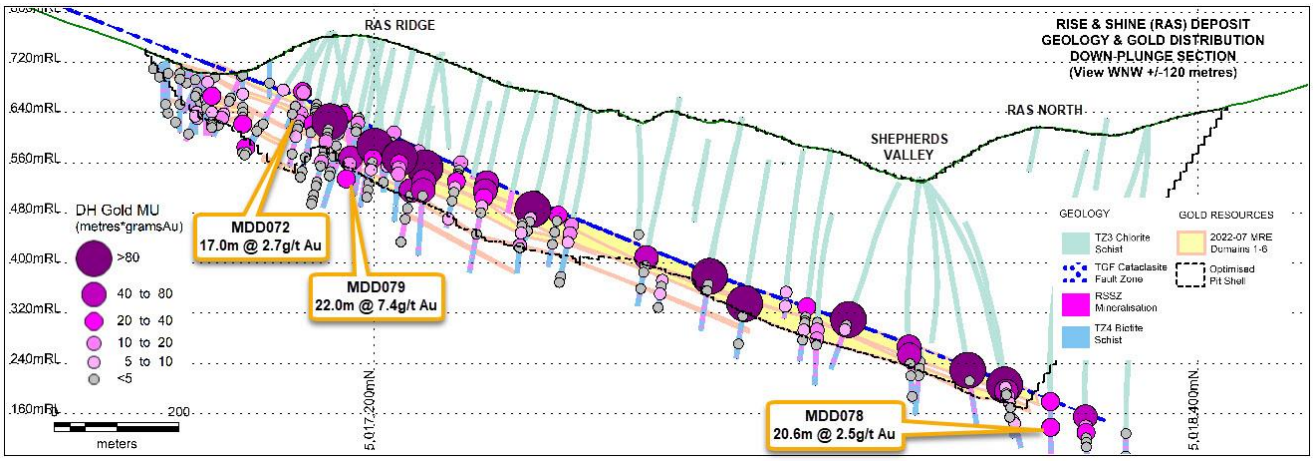


Figure 3 RAS Deposit – Down-Plunge Section (View WNW)

Structural analysis of close-spaced drillholes in the RAS Ridge area is presently underway to assist understanding of controls on mineralisation where a particularly thicker and higher-grade mineralised zone is emerging on the eastern flank, more significant than modelled in the July MRE (Figure 4)

The closer-spaced drillholes were designed to provide ~40 metre intercept data on sections for geostatistical purposes to inform optimal drill spacing for raising resource classification from “inferred” category. Mineralisation on section N5017180 is open both east and west and has been logged in all these close-spaced holes, with assay results pending.

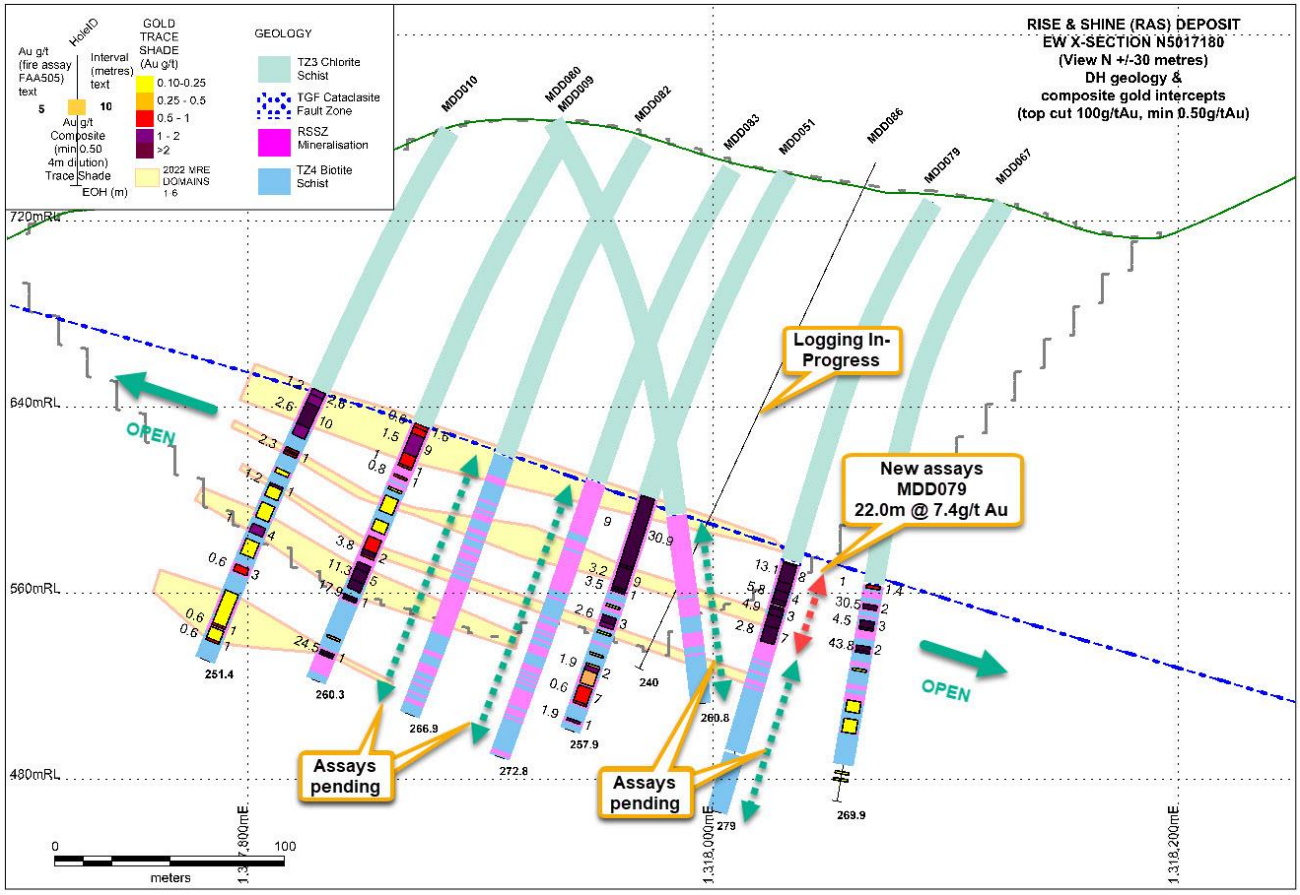


Figure 4 RAS Deposit – EW Close Spaced Drill line - X-Section N5107180 (View N)

Latest Drill Assay Results from SHR & SRE Deposits

Assays have been received for 2 down-plunge drillholes at SHR & SRE deposits south-east along strike from RAS (Figures 1, 5, Table 2, Appendix 3 & 4).

At SHR deposit, MDD077, has 1m @ 0.52g/t Au (0.5g/t Au lower-cut-off) present within the upper 36.1 metres of the RSSZ with 40 metres of assays pending.

At SRE deposit, ~500 metres SE of SHR, the balance of assays for MDD075 raise the previously announced intercept (ASX announcement on 18 October 2022) to 11 metres @ 0.65g/t Au (0.5g/t Au lower-cut-off).

The width of new down-plunge mineralisation north of SHR and SRE 2021 MRE's is currently 280 metres and 370 metres respectively (Figure 5). Drilling is underway to follow the apparently strengthening SRE mineralisation to the north-east.

Table 2: SHR & SRE Drillholes – Composite Intercepts

Deposit	Drillhole	From (m)	Drill intercept (m)	Average Gold Grade (g/t) (min 0.50 g/t Au)	Comments
SHR	MDD077	275.0	1.0	0.52	
		Continuous	1.0	0.52	partial result, 40.0m assays pending
SRE	MDD075	170.0	8.0	0.61	
		206.0	1.0	0.67	
		211.0	1.0	0.83	
		236.0	1.0	0.74	
		Aggregate	11.0	0.65	(over 67.0m) balance of assays, fully resported

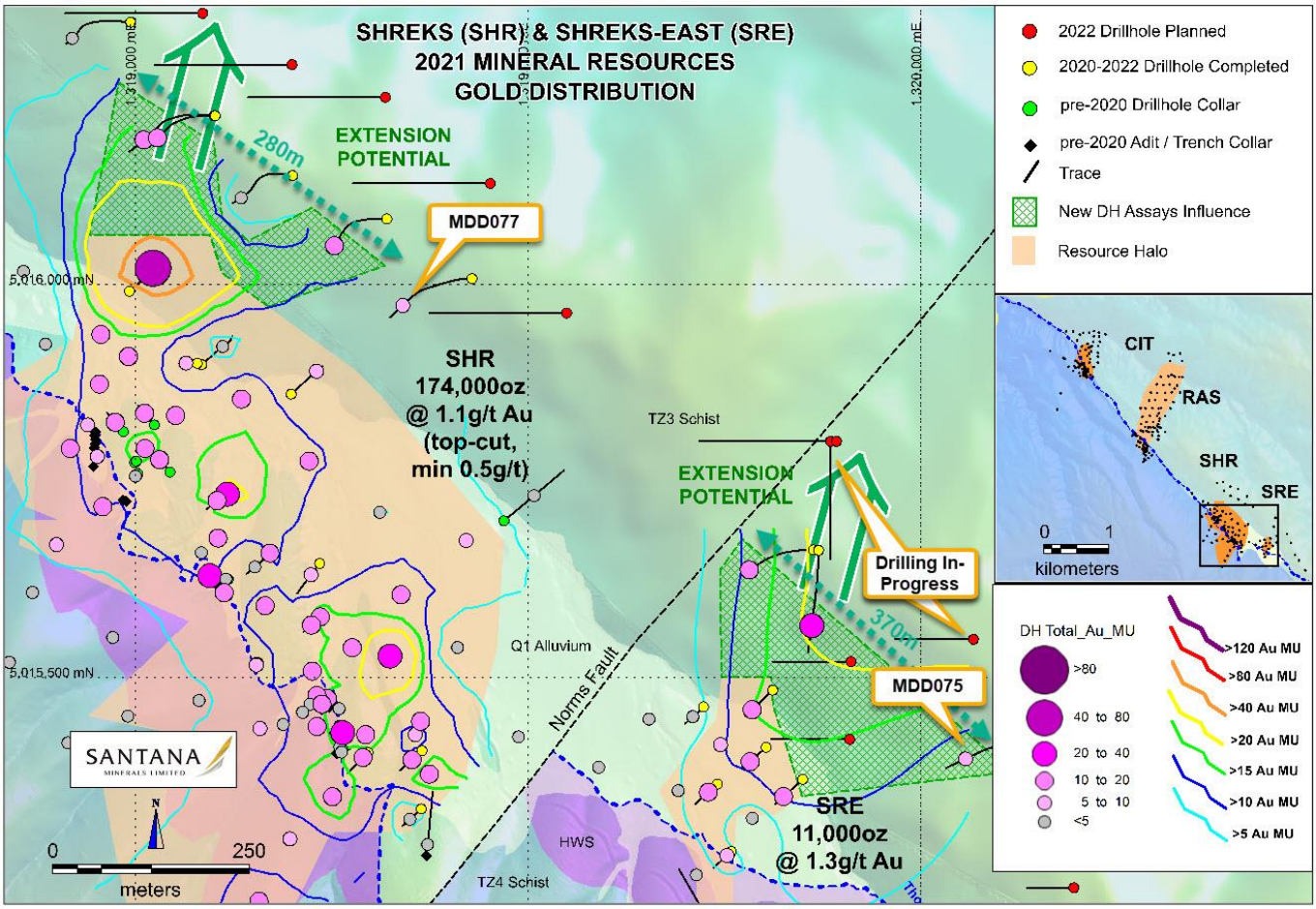


Figure 5 SHR & SRE Deposits – Gold distribution

Key Conclusions & Forward Programme

The continuation of 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.

Drilling in progress at RAS Ridge will assist interpretation of structural controls on mineralization and provide valuable geostatistical data to inform optimal drill spacing to raise MRE classification from “Inferred” category.

To date ~14,300 metres of new drilling in 46 drillholes have been completed since the July MRE database was closed with another RAS MRE upgrade scheduled to commence in December.

Broad widths of the down-plunge mineralised zones at SHR and SRE deposits add weight to the already defined multi-million-ounce potential of the RSSZ.

Drilling has commenced at Thomsons Saddle (TSD) and Upper Thomsons (UTS) prospects as part of a broader drilling programme to identify another RAS-type deposit in the 30-kilometre length of the Bendigo-Ophir project.

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 6).

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.

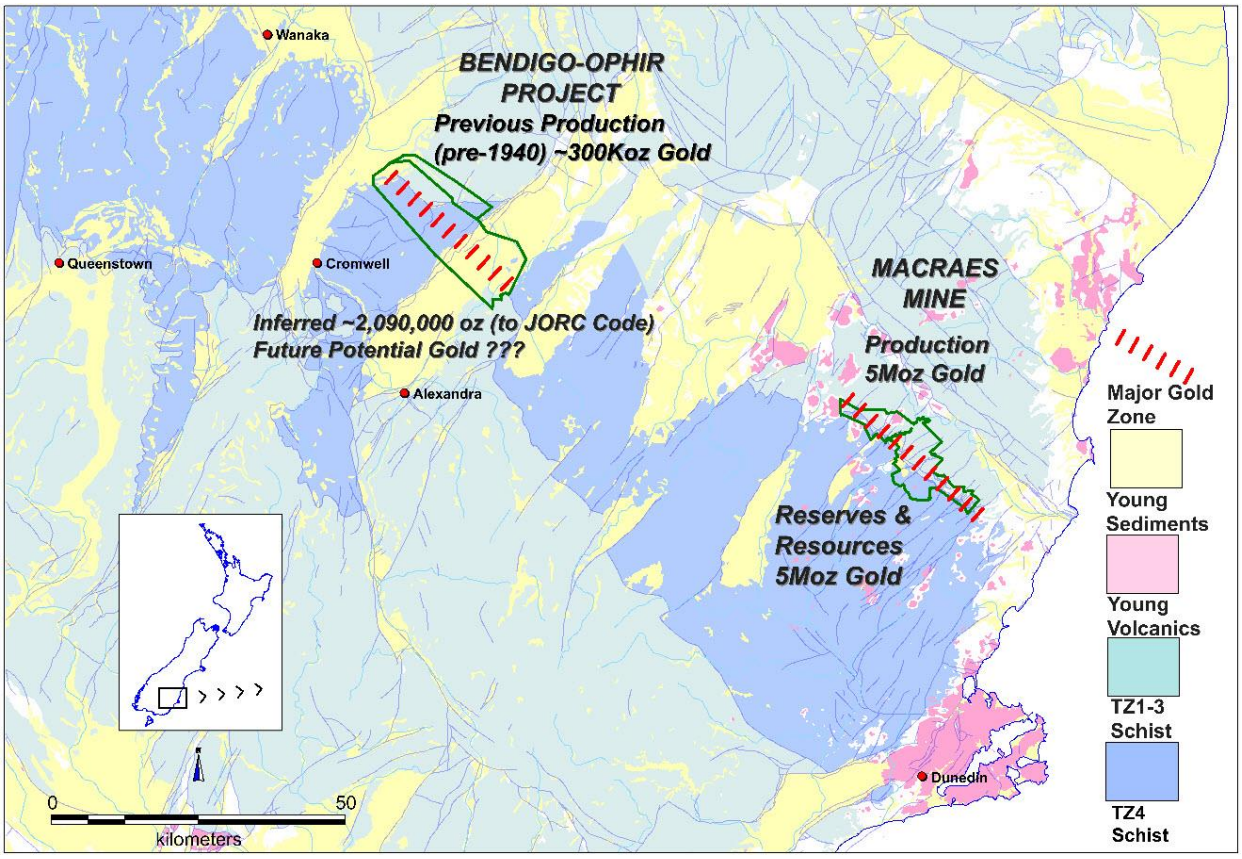


Figure 6 Bendigo-Ophir Project in the Otago Goldfield, ~90km NW of Macraes

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 6).

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

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	Assays pending
RAS	MDD081	1,317,912.0	5,017,128.2	767.6	85.6	-75	273.4	DD	Completed	Assays pending
RAS	MDD082	1,317,970.1	5,017,187.0	754.4	267.5	-67	266.9	DD	Completed	Assays pending
RAS	MDD083	1,318,008.3	5,017,188.9	742.3	262.1	-67	272.8	DD	Completed	Assays pending
RAS	MDD084	1,318,099.0	5,017,400.0	674.4	259.4	-66	323.6	DD	Completed	Assays pending
RAS	MDD085	1,318,112.0	5,017,320.0	694.5	263.2	-65	266.9	DD	Completed	Assays pending
RAS	MDD086	1,318,073.7	5,017,149.5	744.1	262.6	-66	269.4	DD	Completed	Assays pending
RAS	MDD087	1,318,100.0	5,017,280.0	701.9	267.4	-70	266.9	DD	Completed	Assays pending
SubTotal							**9,592.3**			
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							**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							**2,028.5**			
SRE	MDD071	1,319,867.0	5,015,659.0	854.0	250.1	-65	227.9	OHD	Completed	Reported
SRE	MDD073	1,319,867.0	5,015,659.0	854.0	184.6	-60	263.2	OHD	Completed	Reported
SRE	MDD075	1,320,125.0	5,015,416.0	876.0	254.3	-63	237.0	OHD	Completed	Reported
SubTotal							**728.1**			
TOTAL							**14,346.7**			

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Appendix 2 RAS – MDD072 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
MDD072		0.0	173.0	173.0			TZ3	
MDD072	MG20331	173.0	174.0	1.0	-0.01	9	TZ3	
MDD072	MG20332	174.0	175.0	1.0	0.02	13	TZ3	
MDD072	MG20333	175.0	175.5	0.4	0.01	26	TGF	
MDD072	MG20334	175.5	176.0	0.6	0.17	794	RSSZ	
MDD072	MG20335	176.0	177.0	1.0	0.02	144	TZ4	
MDD072	MG20336	177.0	178.0	1.0	0.21	371	RSSZ	
MDD072	MG20337	178.0	179.0	1.0	0.12	251	TZ4	
MDD072	MG20338	179.0	180.0	1.0	0.11	69	TZ4	
MDD072	MG20339	180.0	181.0	1.0	0.07	307	RSSZ	
MDD072	MG20340	181.0	182.0	1.0	0.10	550	RSSZ	
MDD072	MG20341	182.0	183.0	1.0	0.52	725	RSSZ	
MDD072	MG20342	183.0	184.0	1.0	0.04	213	RSSZ	
MDD072	MG20343	184.0	185.0	1.0	0.05	50	TZ4	
MDD072	MG20344	185.0	186.0	1.0	-0.01	45	TZ4	
MDD072	MG20345	186.0	187.0	1.0	0.02	82	TZ4	
MDD072	MG20346	187.0	188.0	1.0	-0.01	69	TZ4	
MDD072	MG20347	188.0	189.0	1.0	-0.01	13	TZ4	
MDD072	MG20348	189.0	190.0	1.0	0.94	570	RSSZ	
MDD072	MG20349	190.0	191.0	1.0	0.06	475	TZ4	
MDD072	MG20350	191.0	192.0	1.0	3.22	1,041	RSSZ	
MDD072	MG20354	192.0	193.0	1.0	0.34	1,140	RSSZ	
MDD072	MG20355	193.0	194.0	1.0	0.05	40	RSSZ	
MDD072	MG20356	194.0	195.0	1.0	-0.01	19	TZ4	
MDD072	MG20357	195.0	196.0	1.0	1.53	311	RSSZ	P
MDD072	MG20359	196.0	197.0	1.0	0.09	459	RSSZ	
MDD072	MG20360	197.0	198.0	1.0	-0.01	30	TZ4	
MDD072	MG20361	198.0	199.0	1.0	-0.01	62	TZ4	
MDD072	MG20362	199.0	200.0	1.0	0.07	125	RSSZ	
MDD072	MG20363	200.0	201.0	1.0	0.18	88	TZ4	
MDD072	MG20364	201.0	202.0	1.0	0.10	72	TZ4	
MDD072	MG20365	202.0	203.0	1.0	2.73	1,413	TZ4	
MDD072	MG20366	203.0	204.0	1.0	0.30	141	TZ4	
MDD072	MG20367	204.0	205.0	1.0	0.71	192	TZ4	
MDD072	MG20368	205.0	206.0	1.0	26.30	954	RSSZ	P
MDD072	MG20370	206.0	207.0	1.0	5.03	77	TZ4	
MDD072	MG20371	207.0	208.0	1.0	-0.01	32	TZ4	
MDD072	MG20372	208.0	209.0	1.0	2.71	499	RSSZ	
MDD072	MG20373	209.0	210.0	1.0	0.56	192	TZ4	
MDD072	MG20374	210.0	211.0	1.0	-0.01	26	TZ4	
MDD072	MG20375	211.0	212.0	1.0	0.04	195	RSSZ	
MDD072	MG20379	212.0	213.0	1.0	-0.01	58	RSSZ	
MDD072	MG20380	213.0	214.0	1.0	-0.01	24	TZ4	
MDD072	MG20381	214.0	215.0	1.0	-0.01	28	TZ4	
MDD072	MG20382	215.0	216.0	1.0	-0.01	238	RSSZ	
MDD072	MG20383	216.0	217.0	1.0	0.66	40	TZ4	
MDD072	MG20384	217.0	218.0	1.0	-0.01	54	TZ4	
MDD072	MG20385	218.0	219.0	1.0	-0.01	17	TZ4	
MDD072	MG20386	219.0	220.0	1.0	0.04	16	TZ4	
MDD072	MG20387	220.0	221.0	1.0	0.02	14	TZ4	
MDD072	MG20388	221.0	222.0	1.0	1.22	1,912	RSSZ	P
MDD072	MG20390	222.0	223.0	1.0	0.73	486	RSSZ	
MDD072	MG20391	223.0	224.0	1.0	0.29	121	RSSZ	
MDD072	MG20392	224.0	225.0	1.0	0.01	11	TZ4	
MDD072	MG20393	225.0	226.0	1.0	0.03	10	TZ4	
MDD072	MG20394	226.0	227.0	1.0	-0.01	13	TZ4	
MDD072	MG20395	227.0	228.0	1.0	0.27	96	TZ4	
MDD072	MG20396	228.0	229.0	1.0	0.09	87	RSSZ	
MDD072	MG20397	229.0	230.0	1.0	-0.01	9	TZ4	
MDD072	MG20398	230.0	231.0	1.0	-0.01	8	RSSZ	
MDD072	MG20399	231.0	232.0	1.0	-0.01	9	TZ4	
MDD072	MG20403	232.0	233.0	1.0	-0.01	9	TZ4	
MDD072	MG20404	233.0	234.0	1.0	-0.01	10	TZ4	
MDD072	MG20405	234.0	235.0	1.0	-0.01	5	TZ4	
MDD072	MG20406	235.0	236.0	1.0	-0.01	14	TZ4	
MDD072	MG20407	236.0	237.0	1.0	-0.01	39	RSSZ	
MDD072	MG20408	237.0	238.0	1.0	-0.01	11	RSSZ	
MDD072	MG20409	238.0	239.0	1.0	-0.01	11	TZ4	
MDD072	MG20410	239.0	240.0	1.0	-0.01	8	TZ4	
MDD072	MG20411	240.0	241.0	1.0	-0.01	7	TZ4	
MDD072	MG20412	241.0	242.0	1.0	-0.01	4	TZ4	
MDD072	MG20413	242.0	243.0	1.0	-0.01	8	TZ4	
MDD072	MG20414	243.0	244.0	1.0	-0.01	10	TZ4	
MDD072	MG20415	244.0	245.0	1.0	-0.01	42	TZ4	
MDD072	MG20416	245.0	246.0	1.0	0.04	398	TZ4	
MDD072	MG20417	246.0	247.0	1.0	-0.01	14	TZ4	
MDD072	MG20418	247.0	248.0	1.0	-0.01	6	TZ4	
MDD072	MG20419	248.0	249.0	1.0	0.34	131	TZ4	
MDD072	MG20420	249.0	250.0	1.0	2.02	461	RSSZ	P
MDD072	MG20422	250.0	251.0	1.0	-0.01	10	TZ4	
MDD072	MG20423	251.0	252.0	1.0	-0.01	10	RSSZ	
MDD072	MG20427	252.0	253.0	1.0	-0.01	11	TZ4	
MDD072	MG20428	253.0	254.0	1.0	-0.01	14	TZ4	
MDD072	MG20429	254.0	255.0	1.0	-0.01	21	RSSZ	
MDD072	MG20430	255.0	256.0	1.0	0.03	280	RSSZ	
MDD072	MG20431	256.0	257.0	1.0	0.02	252	RSSZ	
MDD072	MG20432	257.0	258.0	1.0	1.19	844	RSSZ	P
MDD072	MG20434	258.0	259.0	1.0	0.28	291	RSSZ	
MDD072	MG20435	259.0	260.0	1.0	0.07	306	RSSZ	
MDD072	MG20436	260.0	261.0	1.0	0.01	22	TZ4	
MDD072	MG20437	261.0	262.0	1.0	0.03	87	TZ4	
MDD072	MG20438	262.0	263.0	1.0	0.27	708	TZ4	
MDD072	MG20439	263.0	264.0	1.0	0.09	173	TZ4	
MDD072	MG20440	264.0	265.0	1.0	-0.01	7	TZ4	
MDD072	MG20441	265.0	266.0	1.0	-0.01	6	TZ4	
MDD072	MG20442	266.0	267.0	1.0	-0.01	6	TZ4	
MDD072	MG20443	267.0	268.0	1.0	-0.01	5	TZ4	
MDD072	MG20444	268.0	269.0	1.0	-0.01	6	TZ4	
MDD072	MG20445	269.0	270.0	1.0	-0.01	9	TZ4	
MDD072	MG20446	270.0	271.0	1.0	-0.01	13	TZ4	
MDD072	MG20450	271.0	272.0	1.0	-0.01	24	TZ4	
MDD072	MG20451	272.0	273.0	1.0	-0.01	18	TZ4	
MDD072	MG20452	273.0	274.0	1.0	-0.01	17	TZ4	
MDD072	MG20453	274.0	275.0	1.0	-0.01	10	TZ4	
MDD072	MG20454	275.0	276.0	1.0	-0.01	11	TZ4	
MDD072	MG20455	276.0	277.0	1.0	-0.01	6	TZ4	
MDD072	MG20456	277.0	278.0	1.0	-0.01		TZ4	
MDD072	MG20457	278.0	279.0	1.0	-0.01	9	TZ4	
MDD072	MG20458	279.0	280.0	1.0	-0.01	8	TZ4	
MDD072	MG20459	280.0	281.0	1.0	-0.01	7	TZ4	
MDD072	MG20460	281.0	281.9	0.9	-0.01	5	TZ4	

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Appendix 2 RAS – MDD074 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
MDD074		0.0	408.0	408.0			TZ3	
MDD074	MG17877	408.0	409.0	1.0	-0.01	9	TZ3	
MDD074	MG17878	409.0	409.9	0.9	-0.01	7	TZ3	
MDD074	MG17879	409.9	410.4	0.5	0.04	57	TGF	
MDD074	MG17880	410.4	411.0	0.6	0.44	7,464	RSSZ	
MDD074	MG17881	411.0	412.0	1.0	0.39	1,598	RSSZ	
MDD074	MG17882	412.0	413.0	1.0	0.05	172	RSSZ	
MDD074	MG17883	413.0	414.0	1.0	-0.01	335	RSSZ	
MDD074	MG17884	414.0	415.0	1.0	0.03	388	RSSZ	
MDD074	MG17885	415.0	416.0	1.0	0.07	34	RSSZ	
MDD074	MG17886	416.0	417.0	1.0	0.09	28	RSSZ	
MDD074	MG17887	417.0	418.0	1.0	0.06	27	RSSZ	
MDD074	MG17888	418.0	419.0	1.0	0.07	132	RSSZ	
MDD074	MG17889	419.0	420.0	1.0	0.03	248	RSSZ	
MDD074	MG17890	420.0	421.0	1.0	0.02	39	RSSZ	
MDD074	MG17891	421.0	422.0	1.0	0.28	59	RSSZ	P
MDD074	MG17893	422.0	423.0	1.0	0.26	57	RSSZ	
MDD074	MG17894	423.0	424.0	1.0	0.03	37	RSSZ	
MDD074	MG17895	424.0	425.0	1.0	0.02	18	RSSZ	
MDD074	MG17896	425.0	426.0	1.0	0.03	43	TZ4	
MDD074	MG17897	426.0	427.0	1.0	0.15	70	TZ4	
MDD074	MG17901	427.0	428.0	1.0	0.02	14	RSSZ	
MDD074	MG17902	428.0	429.0	1.0	0.15	21	RSSZ	
MDD074	MG17903	429.0	430.0	1.0	0.05	227	TZ4	
MDD074	MG17904	430.0	431.0	1.0	-0.01	20	TZ4	
MDD074	MG17905	431.0	432.0	1.0	-0.01	17	RSSZ	
MDD074	MG17906	432.0	433.0	1.0	-0.01	23	TZ4	
MDD074	MG17907	433.0	434.0	1.0	-0.01	26	RSSZ	
MDD074	MG17908	434.0	435.0	1.0	0.02	102	RSSZ	
MDD074	MG17909	435.0	436.0	1.0	-0.01	30	RSSZ	
MDD074	MG17910	436.0	437.0	1.0	-0.01	13	TZ4	
MDD074	MG17911	437.0	438.0	1.0	-0.01	10	TZ4	
MDD074	MG17912	438.0	439.0	1.0	-0.01	6	TZ4	
MDD074	MG17913	439.0	440.0	1.0	-0.01	12	TZ4	
MDD074	MG17914	440.0	441.0	1.0	-0.01	15	TZ4	
MDD074	MG17915	441.0	442.0	1.0	-0.01	13	TZ4	
MDD074	MG17916	442.0	443.0	1.0	-0.01	20	RSSZ	
MDD074	MG17917	443.0	444.0	1.0	-0.01	17	RSSZ	
MDD074	MG17918	444.0	445.0	1.0	-0.01	16	RSSZ	
MDD074	MG17919	445.0	446.0	1.0	-0.01	24	RSSZ	
MDD074	MG17920	446.0	447.0	1.0	-0.01	14	RSSZ	
MDD074	MG17924	447.0	448.0	1.0	0.02	32	RSSZ	
MDD074	MG17925	448.0	449.0	1.0	0.01	15	TZ4	
MDD074	MG17926	449.0	450.0	1.0	0.04	50	TZ4	
MDD074	MG17927	450.0	451.0	1.0	-0.01	12	TZ4	
MDD074	MG17928	451.0	452.0	1.0	-0.01	14	TZ4	
MDD074	MG17929	452.0	453.0	1.0	-0.01	10	TZ4	
MDD074	MG17930	453.0	454.0	1.0	-0.01	14	TZ4	
MDD074	MG17931	454.0	455.0	1.0	-0.01	32	TZ4	
MDD074	MG17932	455.0	456.0	1.0	-0.01	26	TZ4	
MDD074	MG17933	456.0	457.0	1.0	-0.01	33	TZ4	
MDD074	MG17934	457.0	458.0	1.0	-0.01	16	TZ4	
MDD074	MG17935	458.0	459.0	1.0	-0.01	16	TZ4	
MDD074	MG17936	459.0	460.0	1.0	-0.01	6	TZ4	
MDD074	MG17937	460.0	461.0	1.0	0.01	10	TZ4	
MDD074	MG17938	461.0	462.0	1.0	-0.01	10	TZ4	
MDD074	MG17939	462.0	463.0	1.0	-0.01	15	TZ4	
MDD074	MG17940	463.0	464.0	1.0	-0.01	16	TZ4	
MDD074	MG17941	464.0	465.0	1.0	-0.01	9	TZ4	
MDD074	MG17942	465.0	466.0	1.0	-0.01	9	TZ4	
MDD074	MG17943	466.0	467.0	1.0	-0.01	5	TZ4	
MDD074	MG17947	467.0	468.0	1.0	-0.01	6	TZ4	
MDD074	MG17948	468.0	469.0	1.0	-0.01	6	TZ4	
MDD074	MG17949	469.0	470.0	1.0	-0.01	6	TZ4	
MDD074	MG17950	470.0	471.0	1.0	-0.01	12	TZ4	
MDD074	MG17951	471.0	472.0	1.0	-0.01	7	TZ4	
MDD074	MG17952	472.0	473.0	1.0	-0.01	15	TZ4	
MDD074	MG17953	473.0	474.0	1.0	-0.01	9	TZ4	
MDD074	MG17954	474.0	475.0	1.0	-0.01	12	RSSZ	
MDD074	MG17955	475.0	476.0	1.0	-0.01	19	RSSZ	
MDD074	MG17956	476.0	477.0	1.0	0.84	12	RSSZ	P
MDD074	MG17958	477.0	478.0	1.0	-0.01	10	RSSZ	
MDD074	MG17959	478.0	479.0	1.0	-0.01	11	TZ4	
MDD074	MG17960	479.0	480.0	1.0	-0.01	12	TZ4	
MDD074	MG17961	480.0	481.0	1.0	-0.01	13	TZ4	
MDD074	MG17962	481.0	482.0	1.0	0.01	19	RSSZ	
MDD074	MG17963	482.0	483.0	1.0	-0.01	14	TZ4	
MDD074	MG17964	483.0	484.0	1.0	-0.01	13	TZ4	
MDD074	MG17965	484.0	485.0	1.0	0.05	13	TZ4	
MDD074	MG17966	485.0	486.0	1.0	-0.01	12	TZ4	
MDD074	MG17967	486.0	487.0	1.0	-0.01	17	TZ4	
MDD074	MG17971	487.0	488.0	1.0	0.01	16	TZ4	
MDD074	MG17972	488.0	489.0	1.0	-0.01	16	TZ4	
MDD074	MG17973	489.0	490.0	1.0	-0.01	14	TZ4	
MDD074	MG17974	490.0	491.0	1.0	-0.01	11	TZ4	
MDD074	MG17975	491.0	492.0	1.0	-0.01	12	TZ4	
MDD074	MG17976	492.0	493.0	1.0	-0.01	23	TZ4	
MDD074	MG17977	493.0	494.0	1.0	-0.01	4	TZ4	
MDD074	MG17978	494.0	495.0	1.0	0.01	12	TZ4	
MDD074	MG17979	495.0	496.0	1.0	-0.01	30	TZ4	
MDD074	MG17980	496.0	497.0	1.0	-0.01	38	TZ4	
MDD074	MG17981	497.0	497.9	0.9	0.02	18	TZ4	

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Appendix 2 RAS – MDD076 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
MDD076		0.0	178.0	178.0			TZ3	
MDD076	MG20461	178.0	179.0	1.0	-0.01	8	TZ3	
MDD076	MG20462	179.0	179.8	0.8	-0.01	7	TZ3	
MDD076	MG20463	179.8	180.5	0.7	-0.01	22	TGF	
MDD076	MG20464	180.5	182.0	1.5	0.08	606	TZ4	
MDD076	MG20465	182.0	183.0	1.0	0.05	476	TZ4	
MDD076	MG20466	183.0	184.0	1.0	0.02	34	TZ4	
MDD076	MG20467	184.0	185.0	1.0	0.03	27	RSSZ	
MDD076	MG20468	185.0	186.0	1.0	-0.01	22	RSSZ	
MDD076	MG20469	186.0	187.0	1.0	-0.01	43	RSSZ	
MDD076	MG20470	187.0	188.0	1.0	-0.01	30	RSSZ	
MDD076	MG20471	188.0	189.0	1.0	-0.01	35	RSSZ	
MDD076	MG20472	189.0	190.0	1.0	0.09	472	TZ4	
MDD076	MG20473	190.0	191.0	1.0	0.05	181	RSSZ	
MDD076	MG20474	191.0	192.0	1.0	0.10	179	RSSZ	P
MDD076	MG20476	192.0	193.0	1.0	1.07	3,128	RSSZ	
MDD076	MG20477	193.0	194.0	1.0	0.37	1,218	RSSZ	
MDD076	MG20478	194.0	195.0	1.0	-0.01	18	TZ4	
MDD076	MG20479	195.0	196.0	1.0	0.33	19	TZ4	
MDD076	MG20483	196.0	197.0	1.0	0.01	11	TZ4	
MDD076	MG20484	197.0	198.0	1.0	-0.01	10	TZ4	
MDD076	MG20485	198.0	199.0	1.0	-0.01	11	TZ4	
MDD076	MG20486	199.0	200.0	1.0	-0.01	13	TZ4	
MDD076	MG20487	200.0	201.0	1.0	-0.01	17	TZ4	
MDD076	MG20488	201.0	202.0	1.0	0.05	21	TZ4	
MDD076	MG20489	202.0	203.0	1.0	-0.01	13	TZ4	
MDD076	MG20490	203.0	204.0	1.0	0.37	28	RSSZ	
MDD076	MG20491	204.0	205.0	1.0	0.02	10	TZ4	
MDD076	MG20492	205.0	206.0	1.0	0.09	7	TZ4	
MDD076	MG20493	206.0	207.0	1.0	-0.01	12	TZ4	
MDD076	MG20494	207.0	208.0	1.0	0.04	81	RSSZ	
MDD076	MG20495	208.0	209.0	1.0	-0.01	20	RSSZ	
MDD076	MG20496	209.0	210.0	1.0	-0.01	11	TZ4	
MDD076	MG20497	210.0	211.0	1.0	-0.01	13	TZ4	
MDD076	MG20498	211.0	212.0	1.0	0.03	13	TZ4	
MDD076	MG20499	212.0	213.0	1.0	-0.01	21	TZ4	
MDD076	MG20500	213.0	214.0	1.0	0.01	71	RSSZ	
MDD076	MG20504	214.0	215.0	1.0	0.02	19	TZ4	
MDD076	MG20505	215.0	216.0	1.0	-0.01	14	TZ4	
MDD076	MG20506	216.0	217.0	1.0	-0.01	11	TZ4	
MDD076	MG20507	217.0	218.0	1.0	-0.01	11	RSSZ	
MDD076	MG20508	218.0	219.0	1.0	-0.01	11	RSSZ	
MDD076	MG20509	219.0	220.0	1.0	-0.01	14	TZ4	
MDD076	MG20510	220.0	221.0	1.0	-0.01	14	TZ4	
MDD076	MG20511	221.0	222.0	1.0	0.01	12	RSSZ	
MDD076	MG20512	222.0	223.0	1.0	-0.01	12	TZ4	
MDD076	MG20513	223.0	224.0	1.0	-0.01	14	TZ4	
MDD076	MG20514	224.0	225.0	1.0	0.01	55	RSSZ	
MDD076	MG20515	225.0	226.0	1.0	-0.01	10	RSSZ	
MDD076	MG20516	226.0	227.0	1.0	-0.01	12	TZ4	
MDD076	MG20517	227.0	228.0	1.0	-0.01	11	TZ4	
MDD076	MG20518	228.0	229.0	1.0	-0.01	18	TZ4	
MDD076	MG20519	229.0	230.0	1.0	1.36	1,376	RSSZ	
MDD076	MG20520	230.0	231.0	1.0	0.02	375	TZ4	
MDD076	MG20521	231.0	232.0	1.0	-0.01	21	TZ4	
MDD076	MG20525	232.0	233.0	1.0	0.07	66	TZ4	
MDD076	MG20526	233.0	234.0	1.0	0.02	18	RSSZ	
MDD076	MG20527	234.0	235.0	1.0	0.01	126	TZ4	
MDD076	MG20528	235.0	236.0	1.0	-0.01	16	RSSZ	
MDD076	MG20529	236.0	237.0	1.0	-0.01	13	TZ4	
MDD076	MG20530	237.0	238.0	1.0	-0.01	24	TZ4	
MDD076	MG20531	238.0	239.0	1.0	0.05	19	TZ4	
MDD076	MG20532	239.0	240.0	1.0	0.36	1,526	RSSZ	
MDD076	MG20533	240.0	241.0	1.0	0.56	851	RSSZ	
MDD076	MG20534	241.0	242.0	1.0	0.01	15	TZ4	
MDD076	MG20535	242.0	243.0	1.0	-0.01	5	TZ4	
MDD076	MG20536	243.0	244.0	1.0	-0.01	6	TZ4	
MDD076	MG20537	244.0	245.0	1.0	-0.01	8	TZ4	
MDD076	MG20538	245.0	246.0	1.0	-0.01	6	TZ4	
MDD076	MG20539	246.0	247.0	1.0	-0.01	5	TZ4	
MDD076	MG20540	247.0	248.0	1.0	-0.01		TZ4	
MDD076	MG20541	248.0	249.0	1.0	-0.01	7	TZ4	
MDD076	MG20542	249.0	250.0	1.0	-0.01	11	TZ4	
MDD076	MG20546	250.0	251.0	1.0	-0.01	8	TZ4	
MDD076	MG20547	251.0	252.0	1.0	-0.01	9	TZ4	
MDD076	MG20548	252.0	253.0	1.0	0.03	9	TZ4	
MDD076	MG20549	253.0	254.0	1.0	-0.01	13	TZ4	
MDD076	MG20550	254.0	255.0	1.0	-0.01	10	TZ4	
MDD076	MG20551	255.0	256.0	1.0	-0.01	13	TZ4	
MDD076	MG20552	256.0	257.0	1.0	-0.01	13	TZ4	
MDD076	MG20553	257.0	258.0	1.0	-0.01	12	TZ4	
MDD076	MG20554	258.0	259.0	1.0	-0.01	11	TZ4	

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Appendix 2 RAS – MDD078 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
MDD078		0.0	401.0	401.0			TZ3	
MDD078	MG17985	401.0	402.0	1.0	0.02	27	TZ3	
MDD078	MG17986	402.0	403.0	1.0	0.01	15	TZ3	
MDD078	MG17987	403.0	404.0	1.0	-0.01	15	TZ3	
MDD078	MG17988	404.0	405.0	1.0	0.02	17	TZ3	
MDD078	MG17989	405.0	405.9	0.9	-0.01	18	TZ3	
MDD078	MG17990	405.9	406.4	0.6	0.10	533	TGF	
MDD078	MG17991	406.4	407.0	0.6	0.64	14,228	RSSZ	
MDD078	MG17992	407.0	408.0	1.0	0.63	8,248	RSSZ	
MDD078	MG17993	408.0	409.0	1.0	1.29	12,601	RSSZ	
MDD078	MG17994	409.0	410.0	1.0	1.10	9,430	RSSZ	
MDD078	MG17995	410.0	411.0	1.0	0.90	7,992	RSSZ	
MDD078	MG17996	411.0	412.0	1.0	0.68	8,896	RSSZ	
MDD078	MG17997	412.0	413.0	1.0	0.89	10,015	RSSZ	
MDD078	MG17998	413.0	414.0	1.0	0.85	9,434	RSSZ	
MDD078	MG17999	414.0	415.0	1.0	1.08	5,000	RSSZ	
MDD078	MG18000	415.0	416.0	1.0	1.47	6,773	RSSZ	
MDD078	MG18001	416.0	417.0	1.0	1.43	4,780	RSSZ	
MDD078	MG18002	417.0	418.0	1.0	1.14	4,231	RSSZ	
MDD078	MG18003	418.0	419.0	1.0	2.40	4,703	RSSZ	
MDD078	MG18004	419.0	420.0	1.0	1.85	4,186	RSSZ	
MDD078	MG18008	420.0	421.0	1.0	2.44	6,485	RSSZ	
MDD078	MG18009	421.0	422.0	1.0	0.97	8,798	RSSZ	
MDD078	MG18010	422.0	423.0	1.0	0.27	5,090	RSSZ	
MDD078	MG18011	423.0	424.0	1.0	3.06	2,564	RSSZ	P
MDD078	MG18013	424.0	425.0	1.0	3.83	2,184	RSSZ	P
MDD078	MG18015	425.0	426.0	1.0	0.16	4,262	RSSZ	
MDD078	MG18016	426.0	427.0	1.0	0.36	5,587	RSSZ	
MDD078	MG18017	427.0	428.0	1.0	0.34	3,805	RSSZ	
MDD078	MG18018	428.0	429.0	1.0	0.08	728	RSSZ	
MDD078	MG18019	429.0	430.0	1.0	0.24	5,086	RSSZ	
MDD078	MG18020	430.0	431.0	1.0	0.32	236	RSSZ	
MDD078	MG18021	431.0	432.0	1.0	0.25	152	RSSZ	
MDD078	MG18022	432.0	433.0	1.0	0.06	376	RSSZ	
MDD078	MG18023	433.0	434.0	1.0	-0.01	55	TZ4	
MDD078	MG18024	434.0	435.0	1.0	-0.01	7	TZ4	
MDD078	MG18025	435.0	436.0	1.0	0.03	17	TZ4	
MDD078	MG18026	436.0	437.0	1.0	0.14	1,168	RSSZ	
MDD078	MG18027	437.0	438.0	1.0	0.19	2,567	TZ4	
MDD078	MG18028	438.0	439.0	1.0	-0.01	11	TZ4	
MDD078	MG18029	439.0	440.0	1.0	0.02	16	TZ4	
MDD078	MG18033	440.0	441.0	1.0	0.11	1,024	RSSZ	
MDD078	MG18034	441.0	442.0	1.0	-0.01	6	TZ4	
MDD078	MG18035	442.0	443.0	1.0	0.02	218	RSSZ	
MDD078	MG18036	443.0	444.0	1.0	0.01	39	RSSZ	
MDD078	MG18037	444.0	445.0	1.0	0.02	28	RSSZ	
MDD078	MG18038	445.0	446.0	1.0	0.10	805	RSSZ	
MDD078	MG18039	446.0	447.0	1.0	0.07	271	RSSZ	
MDD078	MG18040	447.0	448.0	1.0	0.01	28	RSSZ	
MDD078	MG18041	448.0	449.0	1.0	-0.01	14	TZ4	
MDD078	MG18042	449.0	450.0	1.0	0.02	13	TZ4	
MDD078	MG18043	450.0	451.0	1.0	0.04	464	RSSZ	
MDD078	MG18044	451.0	452.0	1.0	-0.01	14	TZ4	
MDD078	MG18045	452.0	453.0	1.0	0.05	155	RSSZ	
MDD078	MG18046	453.0	454.0	1.0	0.02	459	RSSZ	
MDD078	MG18047	454.0	455.0	1.0	0.09	575	RSSZ	
MDD078	MG18048	455.0	456.0	1.0	0.31	6,927	RSSZ	
MDD078	MG18049	456.0	457.0	1.0	16.40	47,452	RSSZ	
MDD078	MG18050	457.0	458.0	1.0	8.52	8,286	RSSZ	P
MDD078	MG18052	458.0	459.0	1.0	0.01	37	RSSZ	
MDD078	MG18053	459.0	460.0	1.0	-0.01	277	RSSZ	
		460.0	*509.4*	*49.4*	*pending*			

Appendix 2 RAS – MDD079 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
MDD079		0.0	164.0	164.0			TZ3	
MDD079	MG20555	164.0	165.0	1.0	-0.01	*	TZ3	
MDD079	MG20556	165.0	166.1	1.1	-0.01	*	TZ3	
MDD079	MG20557	166.1	167.4	1.3	0.01	*	TGF	
MDD079	MG20558	167.4	168.0	0.6	0.20	*	RSSZ	
MDD079	MG20559	168.0	169.0	1.0	2.54	*	RSSZ	
MDD079	MG20560	169.0	170.0	1.0	5.30	*	RSSZ	
MDD079	MG20561	170.0	171.0	1.0	3.01	*	RSSZ	P
MDD079	MG20563	171.0	172.0	1.0	0.08	*	RSSZ	
MDD079	MG20564	172.0	173.0	1.0	3.57	*	RSSZ	
MDD079	MG20565	173.0	174.0	1.0	47.30	*	RSSZ	P
MDD079	MG20567	174.0	175.0	1.0	32.30	*	RSSZ	P
MDD079	MG20569	175.0	176.0	1.0	10.70	*	RSSZ	P
MDD079	MG20571	176.0	177.0	1.0	0.16	*	RSSZ	
MDD079	MG20572	177.0	178.0	1.0	-0.01	*	RSSZ	
MDD079	MG20573	178.0	179.0	1.0	0.05	*	RSSZ	
MDD079	MG20574	179.0	180.0	1.0	0.02	*	TZ4	
MDD079	MG20575	180.0	181.0	1.0	8.91	*	RSSZ	P
MDD079	MG20577	181.0	182.0	1.0	0.47	*	TZ4	
MDD079	MG20578	182.0	183.0	1.0	13.20	*	RSSZ	P
MDD079	MG20580	183.0	184.0	1.0	0.67	*	RSSZ	
MDD079	MG20584	184.0	185.0	1.0	0.19	*	RSSZ	
MDD079	MG20585	185.0	186.0	1.0	0.41	*	RSSZ	
MDD079	MG20586	186.0	187.0	1.0	0.05	*	RSSZ	
MDD079	MG20587	187.0	188.0	1.0	0.15	*	RSSZ	
MDD079	MG20588	188.0	189.0	1.0	12.10	*	RSSZ	P
MDD079	MG20590	189.0	190.0	1.0	0.93	*	TZ4	
MDD079	MG20591	190.0	191.0	1.0	1.75	*	TZ4	
MDD079	MG20592	191.0	192.0	1.0	0.11	*	RSSZ	
MDD079	MG20593	192.0	193.0	1.0	0.06	*	RSSZ	
MDD079	MG20594	193.0	194.0	1.0	0.02	*	RSSZ	
MDD079	MG20595	194.0	195.0	1.0	0.21	*	RSSZ	
MDD079	MG20596	195.0	196.0	1.0	0.07	*	RSSZ	
MDD079	MG20597	196.0	197.0	1.0	15.00	*	RSSZ	P
MDD079	MG20599	197.0	198.0	1.0	0.07	*	RSSZ	
MDD079	MG20600	198.0	199.0	1.0	0.55	*	TZ4	
MDD079	MG20601	199.0	200.0	1.0	0.68	*	RSSZ	
MDD079	MG20602	200.0	201.0	1.0	0.13	*	RSSZ	
MDD079	MG20603	201.0	202.0	1.0	0.11	*	RSSZ	
MDD079	MG20604	202.0	203.0	1.0	3.04	*	RSSZ	
MDD079	MG20605	203.0	204.0	1.0	0.09	*	RSSZ	
		204.0	*279.0*	*75.0*	*pending*			
* pXRF multi-element analyses pending								

Appendix 3 SHR – Assay results MDD077

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD077		0.0	268.0	268.0			TZ3	
MDD077	MG16646	268.0	269.0	1.0	0.02	18	TZ3	
MDD077	MG16647	269.0	270.0	1.0	-0.01	9	TZ3	
MDD077	MG16648	270.0	270.6	0.6	0.02	16	TZ3	
MDD077	MG16649	270.6	270.9	0.3	-0.01	23	TGF	
MDD077	MG16650	270.9	272.0	1.1	0.05	233	RSSZ	
MDD077	MG16651	272.0	273.0	1.0	0.33	960	RSSZ	
MDD077	MG16652	273.0	274.0	1.0	0.35	480	RSSZ	
MDD077	MG16653	274.0	275.0	1.0	0.47	132	RSSZ	
MDD077	MG16654	275.0	276.0	1.0	0.52	30	RSSZ	
MDD077	MG16655	276.0	277.0	1.0	0.33	24	RSSZ	
MDD077	MG16656	277.0	278.0	1.0	0.08	22	RSSZ	
MDD077	MG16657	278.0	279.0	1.0	0.25	30	TZ4	
MDD077	MG16658	279.0	280.0	1.0	0.05	18	TZ4	
MDD077	MG16659	280.0	281.0	1.0	0.11	23	TZ4	
MDD077	MG16660	281.0	282.0	1.0	0.42	27	TZ4	
MDD077	MG16661	282.0	283.0	1.0	0.14	28	RSSZ	
MDD077	MG16662	283.0	284.0	1.0	0.37	31	RSSZ	
MDD077	MG16663	284.0	285.0	1.0	0.24	21	RSSZ	
MDD077	MG16664	285.0	286.0	1.0	0.33	30	TZ4	
MDD077	MG16665	286.0	287.0	1.0	0.23	22	TZ4	
MDD077	MG16669	287.0	288.0	1.0	0.06	16	TZ4	
MDD077	MG16670	288.0	289.0	1.0	0.03	17	TZ4	
MDD077	MG16671	289.0	290.0	1.0	0.10	142	TZ4	
MDD077	MG16672	290.0	291.0	1.0	0.01	26	TZ4	
MDD077	MG16673	291.0	292.0	1.0	0.02	32	TZ4	
MDD077	MG16674	292.0	293.0	1.0	0.03	37	RSSZ	
MDD077	MG16675	293.0	294.0	1.0	-0.01	30	RSSZ	
MDD077	MG16676	294.0	295.0	1.0	0.11	33	TZ4	
MDD077	MG16677	295.0	296.0	1.0	0.02	15	TZ4	
MDD077	MG16678	296.0	297.0	1.0	0.02	13	TZ4	
MDD077	MG16679	297.0	298.0	1.0	-0.01	15	RSSZ	
MDD077	MG16680	298.0	299.0	1.0	0.09	19	RSSZ	
MDD077	MG16681	299.0	300.0	1.0	0.03	22	RSSZ	
MDD077	MG16682	300.0	301.0	1.0	0.05	36	RSSZ	
MDD077	MG16683	301.0	302.0	1.0	0.03	17	TZ4	
MDD077	MG16684	302.0	303.0	1.0	0.02	14	TZ4	
MDD077	MG16685	303.0	304.0	1.0	0.06	52	RSSZ	
MDD077	MG16686	304.0	305.0	1.0	0.39	43	RSSZ	
MDD077	MG16687	305.0	306.0	1.0	0.12	37	RSSZ	
MDD077	MG16688	306.0	307.0	1.0	0.04	31	RSSZ	
		307.0	*360.0*	*57.0*	*pending*			

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Appendix 4 SRE – Assay results MDD075

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD075		0.0	160.0	160.0			TZ3	
MDD075	MG16557	160.0	161.0	1.0	-0.01	8	TZ3	
MDD075	MG16558	161.0	162.0	1.0	-0.01	9	TZ3	
MDD075	MG16559	162.0	162.8	0.8	0.02	15	TZ3	
MDD075	MG16560	162.8	163.6	0.8	0.04	85	TGF	
MDD075	MG16561	163.6	165.0	1.4	0.17	493	RSSZ	
MDD075	MG16562	165.0	166.0	1.0	0.10	123	RSSZ	
MDD075	MG16563	166.0	167.0	1.0	0.09	53	RSSZ	
MDD075	MG16564	167.0	168.0	1.0	0.03	31	RSSZ	
MDD075	MG16565	168.0	169.0	1.0	0.15	498	RSSZ	
MDD075	MG16566	169.0	170.0	1.0	0.24	195	RSSZ	
MDD075	MG16567	170.0	171.0	1.0	0.70	1,550	RSSZ	
MDD075	MG16568	171.0	172.0	1.0	0.02	22	RSSZ	
MDD075	MG16569	172.0	173.0	1.0	0.77	223	RSSZ	
MDD075	MG16570	173.0	174.0	1.0	0.10	22	RSSZ	
MDD075	MG16571	174.0	175.0	1.0	0.04	17	RSSZ	
MDD075	MG16572	175.0	176.0	1.0	0.24	371	RSSZ	
MDD075	MG16573	176.0	177.0	1.0	1.53	442	RSSZ	
MDD075	MG16574	177.0	178.0	1.0	1.48	459	RSSZ	
MDD075	MG16575	178.0	179.0	1.0	0.03	114	RSSZ	
MDD075	MG16579	179.0	180.0	1.0	0.02	17	TZ4	
MDD075	MG16580	180.0	181.0	1.0	-0.01	28	TZ4	
MDD075	MG16581	181.0	182.0	1.0	-0.01	26	TZ4	
MDD075	MG16582	182.0	183.0	1.0	-0.01	23	TZ4	
MDD075	MG16583	183.0	184.0	1.0	-0.01	18	TZ4	
MDD075	MG16584	184.0	185.0	1.0	0.06	35	TZ4	
MDD075	MG16585	185.0	186.0	1.0	0.06	33	RSSZ	
MDD075	MG16586	186.0	187.0	1.0	0.06	34	RSSZ	
MDD075	MG16587	187.0	188.0	1.0	0.19	35	RSSZ	
MDD075	MG16588	188.0	189.0	1.0	-0.01	23	RSSZ	
MDD075	MG16589	189.0	190.0	1.0	-0.01	20	RSSZ	
MDD075	MG16590	190.0	191.0	1.0	0.03	17	RSSZ	
MDD075	MG16591	191.0	192.0	1.0	0.03	21	RSSZ	
MDD075	MG16592	192.0	193.0	1.0	-0.01	18	RSSZ	
MDD075	MG16593	193.0	194.0	1.0	-0.01	8	TZ4	
MDD075	MG16594	194.0	195.0	1.0	-0.01	7	TZ4	
MDD075	MG16595	195.0	196.0	1.0	-0.01	10	TZ4	
MDD075	MG16596	196.0	197.0	1.0	-0.01	11	TZ4	
MDD075	MG16597	197.0	198.0	1.0	-0.01	14	TZ4	
MDD075	MG16601	198.0	199.0	*1.0*	*-0.01*	16	TZ4	
MDD075	MG16602	199.0	200.0	1.0	-0.01	27	RSSZ	
MDD075	MG16603	200.0	201.0	1.0	0.02	87	RSSZ	
MDD075	MG16604	201.0	202.0	1.0	0.14	228	RSSZ	
MDD075	MG16605	202.0	203.0	1.0	0.06	134	RSSZ	
MDD075	MG16606	203.0	204.0	1.0	0.02	20	TZ4	
MDD075	MG16607	204.0	205.0	1.0	0.04	39	TZ4	
MDD075	MG16608	205.0	206.0	1.0	-0.01	21	TZ4	
MDD075	MG16609	206.0	207.0	1.0	0.67	70	RSSZ	
MDD075	MG16610	207.0	208.0	1.0	-0.01	13	TZ4	

Hole ID	Sample ID	Depth From (m)	Depth To (m)	Interval (m)	Au g/t (FAA505)	As ppm (pXRF)	Geol Unit	Visible Gold
MDD075	MG16611	208.0	209.0	1.0	-0.01	19	TZ4	
MDD075	MG16612	209.0	210.0	1.0	-0.01	19	TZ4	
MDD075	MG16613	210.0	211.0	1.0	0.18	19	TZ4	
MDD075	MG16614	211.0	212.0	1.0	0.83	41	TZ4	
MDD075	MG16615	212.0	213.0	1.0	-0.01	13	TZ4	
MDD075	MG16616	213.0	214.0	1.0	-0.01	10	TZ4	
MDD075	MG16617	214.0	215.0	1.0	-0.01	8	TZ4	
MDD075	MG16618	215.0	216.0	1.0	-0.01	18	TZ4	
MDD075	MG16619	216.0	217.0	1.0	-0.01	10	RSSZ	
MDD075	MG16623	217.0	218.0	1.0	0.02	76	RSSZ	
MDD075	MG16624	218.0	219.0	1.0	-0.01	13	TZ4	
MDD075	MG16625	219.0	220.0	1.0	-0.01	6	TZ4	
MDD075	MG16626	220.0	221.0	1.0	-0.01	23	RSSZ	
MDD075	MG16627	221.0	222.0	1.0	0.01	13	TZ4	
MDD075	MG16628	222.0	223.0	1.0	0.03	19	TZ4	
MDD075	MG16629	223.0	224.0	1.0	-0.01	6	TZ4	
MDD075	MG16630	224.0	225.0	1.0	-0.01		RSSZ	
MDD075	MG16631	225.0	226.0	1.0	0.02	178	TZ4	
MDD075	MG16632	226.0	227.0	1.0	-0.01	9	TZ4	
MDD075	MG16633	227.0	228.0	1.0	-0.01	9	TZ4	
MDD075	MG16634	228.0	229.0	1.0	-0.01	6	TZ4	
MDD075	MG16635	229.0	230.0	1.0	-0.01	14	TZ4	
MDD075	MG16636	230.0	231.0	1.0	0.06	282	RSSZ	
MDD075	MG16637	231.0	232.0	1.0	-0.01	18	TZ4	
MDD075	MG16638	232.0	233.0	1.0	-0.01	7	TZ4	
MDD075	MG16639	233.0	234.0	1.0	-0.01	7	TZ4	
MDD075	MG16640	234.0	235.0	1.0	-0.01	10	TZ4	
MDD075	MG16641	235.0	236.0	1.0	-0.01	9	TZ4	
MDD075	MG16642	236.0	237.0	1.0	0.74	30	TZ4	

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).

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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.

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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.

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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.

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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 MDD083 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 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.

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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.

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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.