

5 September 2024

Resource definition drilling at Come-in-Time and Srex enhances supplementary mill-feed for ensuing PFS

Santana Minerals Ltd (Santana, ASX/NZX:SMI or the Company) is pleased to advise that resource definition drilling at its Come-in-Time (CIT), Srex (SRX) and Srex-East (SRE) prospects have provided encouraging results. The objective of these programs has been to upgrade Inferred resources to the Indicated category, providing supplementary mill-feed for the upcoming PFS, in addition to the main Rise and Shine (RAS) discovery.

It should be noted that due to copyright constraints over the use of the name Shreks in Santana's prospect naming, the previously named Shreks and Shrek's East prospects have been renamed as Srex and Srex-East respectively, noting their location as Southern Region Exploration prospects.

Come-In-Time (CIT)

Assays for twenty-nine (29) shallow RC and diamond holes aimed at infilling drill density have been received with encouraging results. Of the program, 16 holes have returned significant results which will enable an updated resource to be completed for consideration in the PFS.

The CIT mineralisation consists of clusters of high-grade veins located below and parallel to the Thomsons Gorge Fault (TGF), approximately 1.3km north-east the RAS deposit. The mineralised trend extends for 500m down plunge from surface and up to 95m across strike. The drilling was primarily aimed at upgrading the JORC categorisation in the near surface (open pitable) part of the deposit.

- **MRC229** **23.0m @ 2.6g/t Au from 38.0m (true width 22.4m)**
- **MRC234** **18.0m @ 2.2g/t Au from 40.0m (true width 9.2m)**
- **MDD337** **21.5m @ 1.5g/t Au from 76.5m (true width 17.7m)**
- **MRC228** **12.0m @ 2.5g/t Au from 49.0m (true width 8.9m)**
- **MRC227** **2.0m @ 11.8g/t Au from 38.0m (true width 1.6m)**
- **MRC231** **12.0m @ 1.8g/t Au from 18.0m (true width 10.9m)**
- **MDD339** **5.0m @ 4.0g/t Au from 84.0m (true width 4.5m)**
- **MDD336** **3.0m @ 4.5g/t Au from 93.0m (true width 2.5m)**

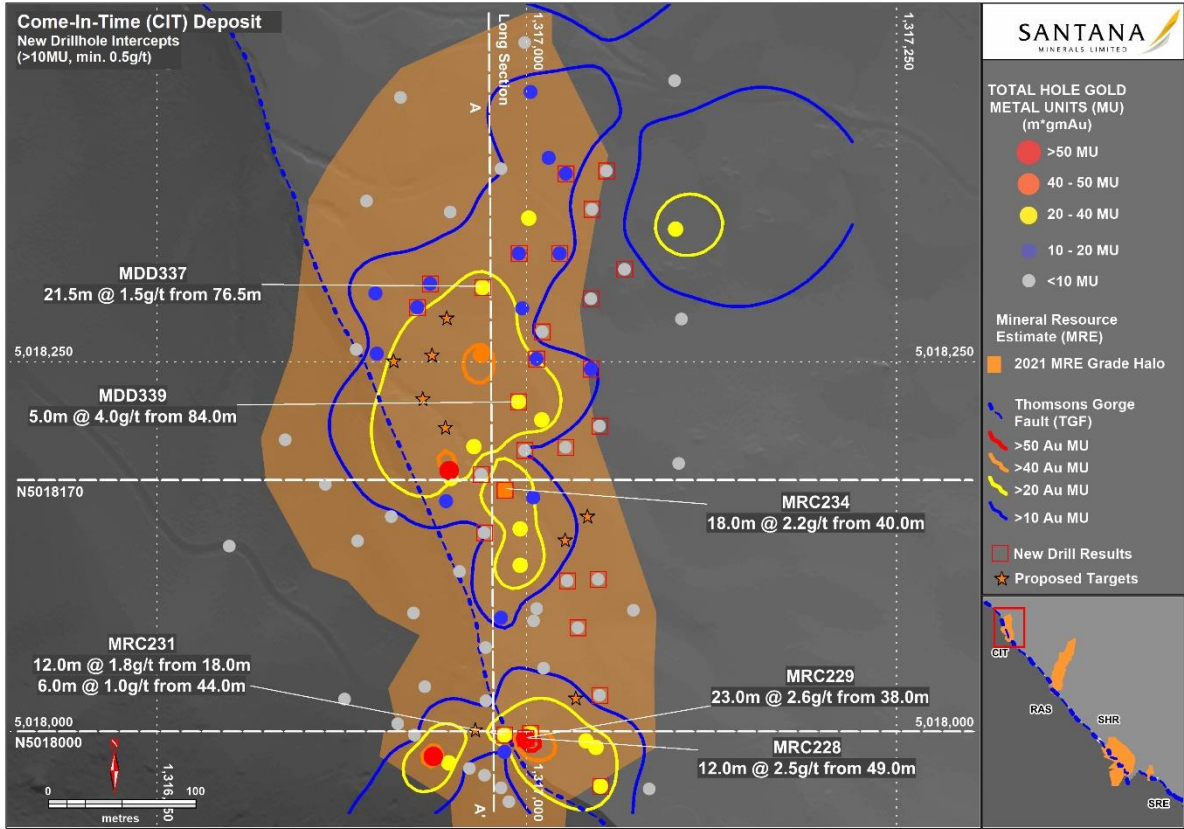


Figure 1. Plan view of CIT showing location of new intersections.

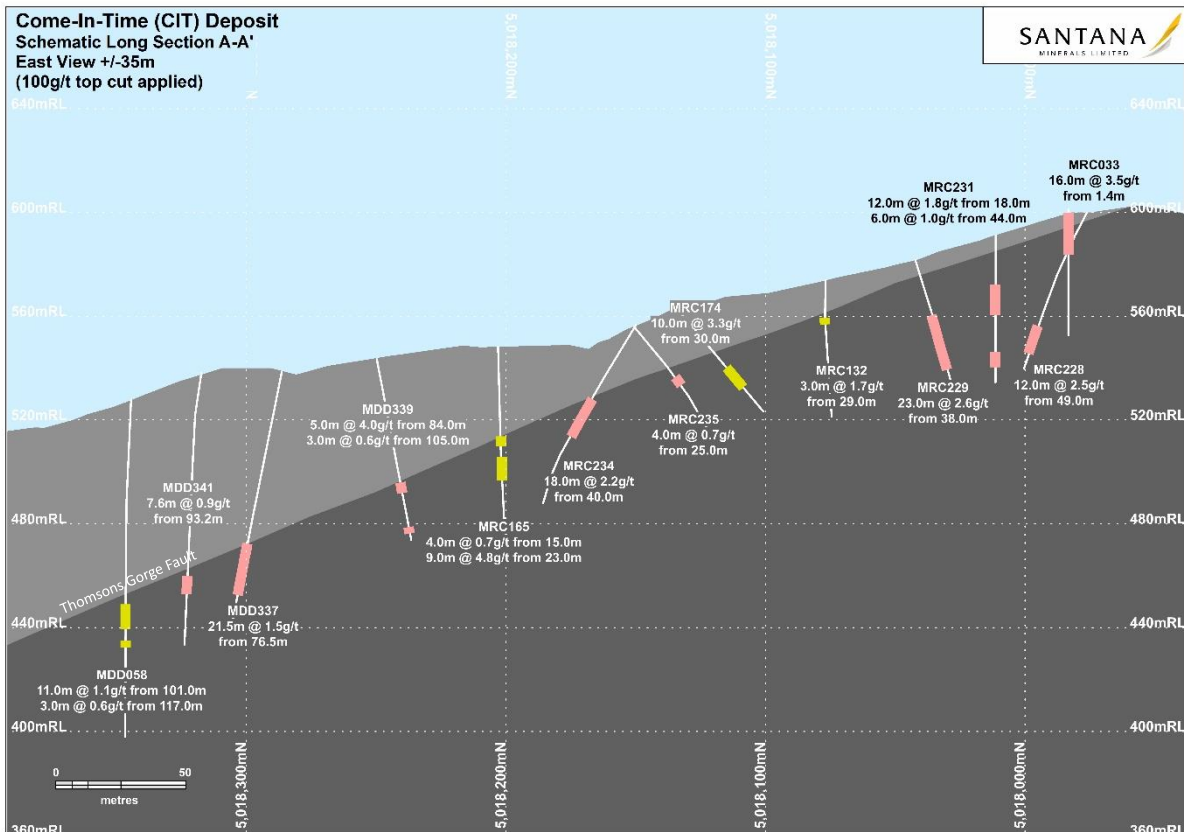


Figure 2. Long section of CIT showing location of new intersections. New intersections shown in pink.

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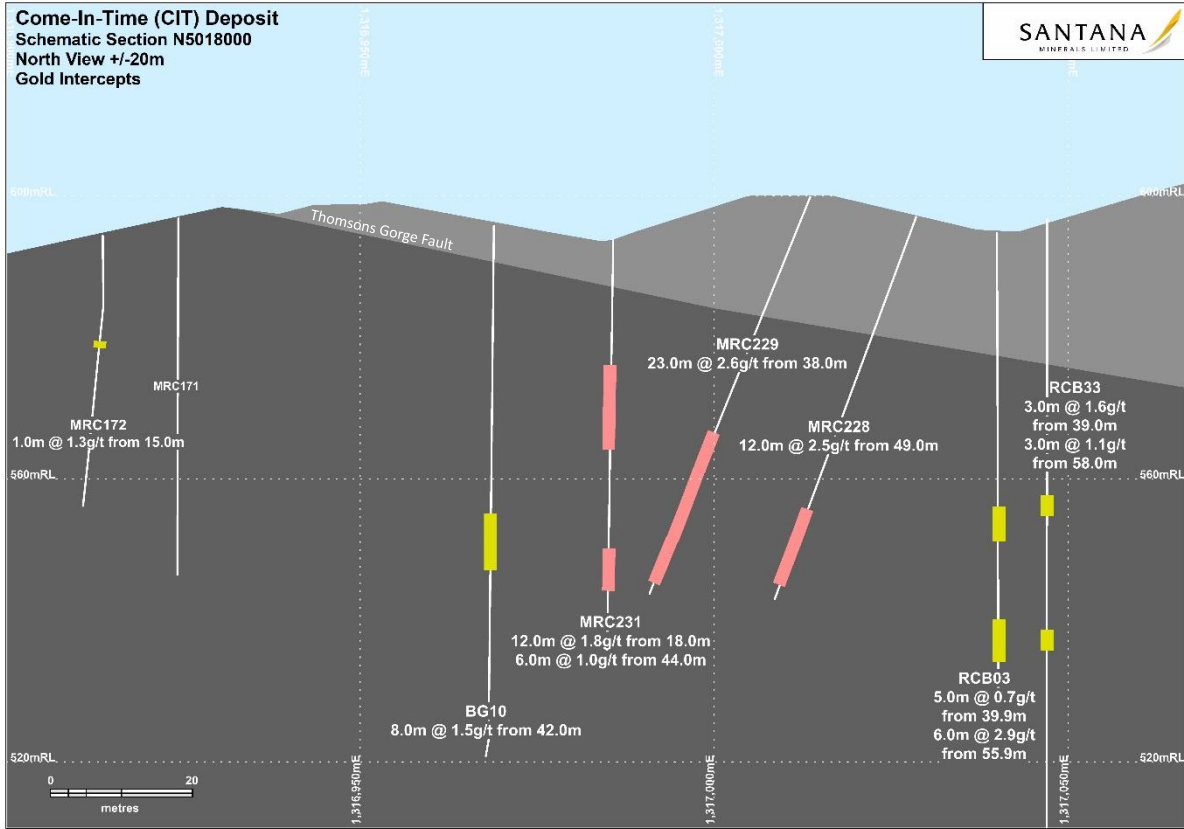


Figure 3. CIT cross section looking north at N5018000. New intersections shown in pink.

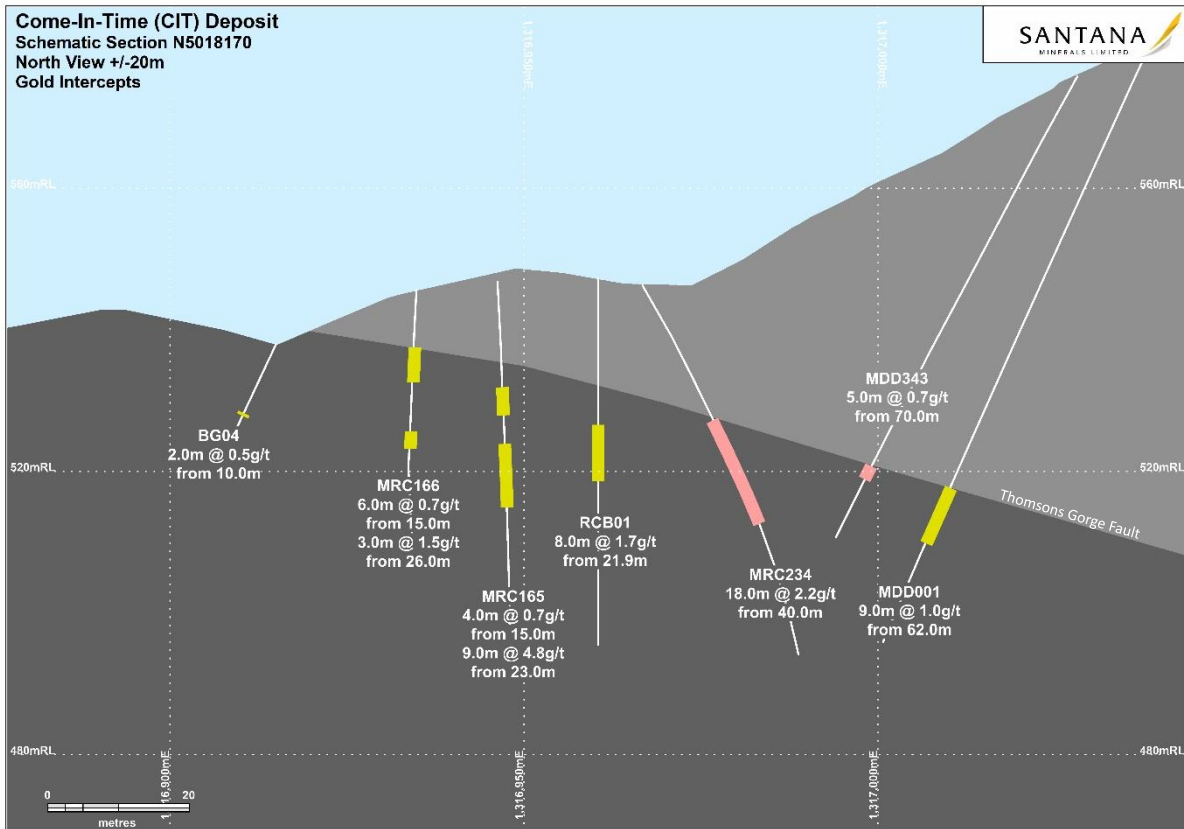


Figure 4. CIT cross section looking north at N5018170. New intersections shown in pink.

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Some of the recent drill holes have intersected additional mineralisation below the main mineralised horizon which has positive implications for future expansion of the resource.

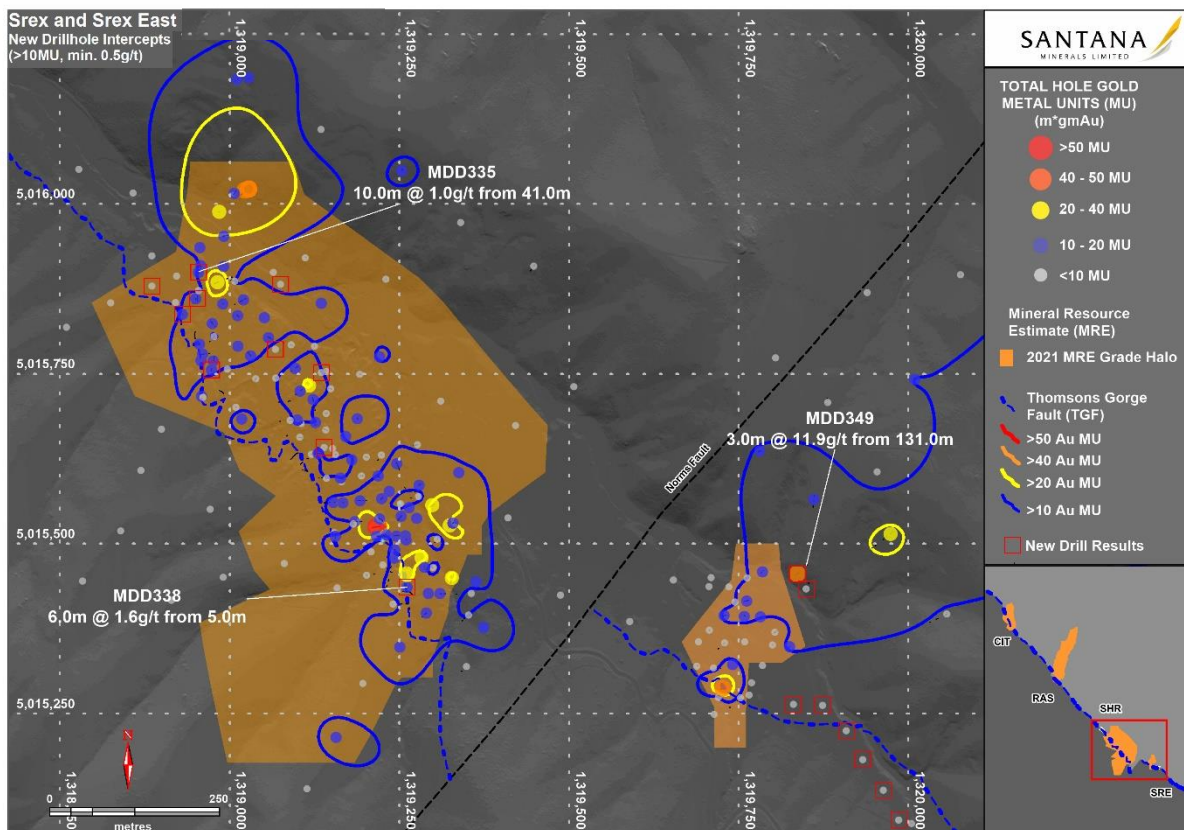
Assays from ten (10) additional holes are expected to return prior to commencing the mineral resource estimate update. The updated resource estimate will be included in the Bendigo-Ophir Pre-Feasibility Study which is expected in the December quarter.

Srex (SRX) and Srex-East (SRE)

Assays results from the last thirteen (13) Resource Definition drillholes completed at the SRX and SRE prospects, which lie 1.5 to 2.5 kilometres south-east of RAS, have also been received. Six (6) of these holes returned significant results, including:

- **MDD349** **3.0m @ 11.9g/t Au from 131.0m (true width 2.4m)**
- **MDD335** **10.0m @ 1.03g/t Au from 41.0m (true width 5.4m)**
- **MDD338** **6.0m @ 1.6g/t Au from 5m (true width 5.8m)**
- **MRC216** **9.0m @ 0.8g/t Au from 12m (true width 8.5m)**
- **MDD321** **7.5m @ 0.8g/t Au from 44.5m (true width 6.8m)**
- **MDD305** **7.0m @ 0.7g/t Au from 20m (true width 5.8m)**

With the culmination of the Resource Definition drill program, work will now focus on updating the mineral resources estimate and integrating the deposits into the PFS.



Additional Drilling

As part of the drill programs at SRX and SRE, another six (6) holes drilled specifically on proposed infrastructure locations were completed. All holes were successful in confirming the absence of mineralisation at the respective sites.

Santana CEO, Damian Spring said:

“Whilst these holes show that the CIT, SRX and SRE prospects aren’t another RAS, they show that a good quantity of supplementary feedstock is present and provide flexibility and additional longevity to the ensuing mining PFS. This drilling remains shallow and provides additional insights and potential for further blind extensions. We know from the nearby RAS deposit that the near surface mineralisation is also weaker and potential remains for these structures to bloom with depth, like RAS has done”.

Ends.

This announcement has been authorised for release by the Board.

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Bendigo-Ophir Project Mineral Resource Estimate

The Project contains a Mineral Resource Estimate (MRE) calculated at a cutoff grade of 0.5 g/t Au with top cuts applied, as at July 2024:

Deposit	Category	tonnes (Mt)	Au grade (g/t)	Contained Gold (koz)
RAS	Indicated	19.1	2.4	1,445
	Inferred	11.4	2.1	772
RAS Total	Indicated and Inferred	30.6	2.3	2,217
CIT	Inferred	1.2	1.5	59
SRX	Inferred	4.7	1.1	174
SRE	Inferred	0.3	1.3	11
RSSZ Total	Indicated	19.1	2.4	1,445
	Inferred	17.6	1.8	1,018
RSSZ Total	Indicated and Inferred	36.8	2.1	2,463

Table 1. July 2024 Mineral Resource Estimate

It should be noted that these resource estimates are yet to include the drill results from the current resource definition programs.

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 "Strong RAS and Regional Drill Results" dated 23 October 2023
- ASX announcement titled "More High Grade Gold from Rise and Shine Drilling" dated 23 November 2023
- ASX announcement titled "Bendigo-Ophir Exploration and Project Update" dated 04 January 2024
- ASX announcement titled "High-Grade Intercepts Close out Resource Drilling at RAS" dated 24 January 2024
- ASX announcement titled "1.3m ounces upgraded to Indicated category from RAS drilling" dated 16 February 2024
- ASX announcement titled "Further Positive Drill Results from Infill Drilling at RAS" dated 26 March 2024
- ASX announcement titled "Shiny outcomes from latest metallurgical test work at RAS" dated 2 April 2024
- ASX announcement titled "Outstanding Economics - Scoping Study First 10 Years from RAS only" dated 17 April 2024
- ASX announcement titled "Exploration Update" dated 6 June 2024
- ASX announcement titled "Infill drilling increases RAS Indicated category to 1.45Moz" dated 2 July 2024
- ASX announcement titled "More thick high-grade intercepts from RAS" dated 15 July 2024
- ASX announcement titled "RAS Shines, SHR Complements" dated 30 July 2024

A copy of these announcements are 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 Hamish McLauchlan who is a Fellow of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr McLauchlan is a consultant and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they 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 McLauchlan consents 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. Mr McLauchlan is eligible to participate in STI and LTI schemes in place as performance incentives for key personnel.

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.

Appendix 1 - New Drill holes – 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)	Estimated True Width (m)	Average Gold Grade (g/t) (min 0.5g/t Au)	Metal Units (metre x gram/tonne)
CIT	MDD336	93.0	3.0	2.5	4.5	13.5
		101.0	1.0	0.8	0.6	0.6
		104.0	2.0	1.7	0.9	1.7
		118.0	1.0	0.8	0.8	0.8
	MDD337	76.5	21.5	17.7	1.5	32.8
		103.0	1.0	0.8	0.6	0.6
		114.0	1.0	0.8	2.4	2.4
	MDD339	84.0	5.0	4.5	4.0	19.8
		93.0	1.0	0.9	1.4	1.4
		105.0	3.0	2.7	0.6	1.7
	MDD340	73.0	1.2	1.1	1.4	1.7
	MDD341	93.2	7.7	6.7	0.9	6.6
	MDD342	125.0	4.0	3.6	0.5	2.0
		130.0	1.0	0.9	0.6	0.6
	MDD343	70.0	5.0	4.2	0.7	3.7
		78.0	1.0	0.8	1.6	1.6
		85.0	1.0	0.8	0.6	0.6
	MDD344	119.0	5.0	4.4	1.0	4.9
		140.0	3.0	2.6	1.7	5.0
	MDD345	107.0	1.0	1.0	1.9	1.9
	MDD346	86.0	1.0	0.9	1.0	1.0
	MDD348	95.0	3.9	3.8	1.9	7.6
		103.0	3.0	2.9	1.0	2.9
	MDD350	95.0	1.0	1.0	1.0	1.0
	MDD351	112.0	3.0	2.7	0.8	2.4
	MDD352	95.0	1.0	0.9	0.8	0.8
		106.0	2.0	1.8	4.2	8.4
	MDD353	117.0	2.3	2.1	0.8	1.8
		119.8	1.3	1.2	0.6	0.8
	MRC227	38.0	2.0	1.6	11.8	23.7
	MRC228	36.0	1.0	0.7	1.5	1.5
		43.0	1.0	0.7	0.9	0.9
		49.0	12.0	8.9	2.5	30.0
MRC229	38.0	23.0	22.4	2.6	59.8	
MRC230	49.0	2.0	1.0	1.2	2.3	
	57.0	1.0	0.5	2.2	2.2	

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Deposit	Drillhole	From (m)	Drill Intercept (m)	Estimated True Width (m)	Average Gold Grade (g/t) (min 0.5g/t Au)	Metal Units (metre x gram/tonne)
CIT	MRC231	18.0	12.0	10.9	1.8	21.2
		32.0	1.0	0.9	1.4	1.4
		36.0	1.0	0.9	0.5	0.5
		39.0	1.0	0.9	0.6	0.6
		44.0	6.0	5.5	1.0	5.9
	MRC232	74.0	2.0	1.0	1.2	2.5
	MRC234	40.0	18.0	9.2	2.2	40.3
		61.0	1.0	0.5	1.8	1.8
		75.0	1.0	0.5	2.1	2.1
	MRC235	12.0	2.0	1.9	1.0	1.9
		25.0	4.0	3.8	0.7	2.7
	MRC236	20.0	1.0	0.9	0.8	0.8
		26.0	1.0	0.9	0.6	0.6
		37.0	1.0	0.9	0.7	0.7
	MRC240	36.0	6.0	4.8	1.4	8.5
	MRC241	32.0	5.0	3.5	0.8	3.8
47.0		1.0	0.7	0.6	0.6	
53.0		9.0	6.4	0.6	5.4	
70.0		1.0	0.7	2.2	2.2	
MDD305	18.0	1.0	0.9	0.6	0.6	
	20.0	7.0	6.3	0.7	5.2	
	30.0	1.2	1.0	0.6	0.7	
MDD321	44.5	7.5	6.7	0.8	6.1	
MDD335	28.0	1.0	0.6	1.1	1.1	
	41.0	10.0	5.8	1.0	10.3	
MDD338	5.0	6.0	5.8	1.6	9.3	
	25.0	0.5	0.5	0.5	0.3	
MRC176	4.0	5.0	4.7	0.5	2.7	
MRC216	4.0	2.0	1.7	1.3	2.6	
	12.0	9.0	7.9	0.8	6.9	
	33.0	1.0	0.9	1.2	1.2	
MRC224	32.0	1.0	0.8	1.1	1.1	
	38.0	2.0	1.6	0.8	1.5	
SRE	MDD331	98.0	1.0	0.7	0.7	0.7
		100.0	1.0	0.7	0.6	0.6
		123.0	1.0	0.7	0.7	0.7
	MDD349	87.0	1.0	0.6	1.1	1.1
		94.0	3.0	1.9	2.0	5.9
		101.0	1.0	0.6	0.7	0.7
		131.0	3.0	1.9	11.9	35.7

Appendix 2 - New Drillholes Reported (in bold)

Deposit	Hole No	East NZTM	North NZTM	RL	Azimuth (T Avg)	Dip (Avg)	Length	Method	Status	Results
CIT	MDD336	1317045	5018238	564.8	289.8	-66	122.7	OHD	Completed	Reported
CIT	MDD337	1317000	5018285	544.7	297	-66	115	OHD	Completed	Reported
SRX	MDD338	1319263	5015437	810.7	227.6	-76	25.5	DD	Completed	Reported
CIT	MDD339	1317046	5018237	564.9	254.6	-53	110	OHD	Completed	Reported
CIT	MDD340	1317000	5018285	544.7	145.6	-75	104.8	OHD	Completed	Reported
CIT	MDD341	1317037	5018319	543.3	275	-64	122	OHD	Completed	Reported
CIT	MDD342	1317111	5018376	528.7	273.2	-64	150	OHD	Completed	Reported
CIT	MDD343	1317032	5018180	574.4	285.8	-62	98.1	OHD	Completed	Reported
CIT	MDD344	1317083	5018373	530.6	274.3	-63	150.1	OHD	Completed	Reported
CIT	MDD345	1317081	5018372	530.6	242.2	-67	133	OHD	Completed	Reported
CIT	MDD346	1317078	5018117	595.0	253	-52	97	OHD	Completed	Reported
CIT	MDD347	1317026	5018178	574.2	135.8	-81	90	OHD	Completed	No Significant Intercept
CIT	MDD348	1317053	5018348	536.8	230.1	-66	117.4	OHD	Completed	Reported
CIT	MDD350	1317043	5018239	564.7	169.8	-69	113.4	OHD	Completed	Reported
CIT	MDD351	1317101	5018304	551.4	258.3	-60	140	OHD	Completed	Reported
CIT	MDD352	1317043	5018237	564.7	188.3	-85	110	OHD	Completed	Reported
CIT	MDD353	1317101	5018304	551.4	282.6	-73	130	OHD	Completed	Reported
CIT	MDD354	1317103	5018008	608.9	247	-53	110.1	OHD	Completed	Assays pending
CIT	MDD355	1316965	5018234	544.0	228.7	-51	64.8	OHD	Completed	Assays pending
CIT	MDD356	1317079	5018111	595.5	284.6	-53	114	OHD	Completed	Assays pending
CIT	MDD357	1317079	5018113	595.4	316.6	-60	121	OHD	Completed	Assays pending
CIT	MDD358	1316965	5018234	544.0	285.4	-50	72	OHD	Completed	Assays pending
CIT	MRC227	1317054	5017958	601.0	261.1	-77	67	RC	Completed	Reported
CIT	MRC228	1317016	5017976	600.7	322.4	-63	61	RC	Completed	Reported
CIT	MRC229	1317014	5018006	599.8	233.6	-63	61	RC	Completed	Reported
CIT	MRC230	1317020	5018011	599.0	65	-50	65	RC	Completed	Reported
CIT	MRC231	1316986	5017997	594.1	291.3	-89	55	RC	Completed	Reported
CIT	MRC232	1317009	5018079	583.0	59.1	-51	87	RC	Completed	Reported
CIT	MRC233	1317011	5018078	582.9	108.5	-50	72	RC	Completed	No Significant Intercept
CIT	MRC234	1316966	5018142	557.1	41.7	-56	80	RC	Completed	Reported
CIT	MRC235	1316969	5018151	555.9	167.6	-54	52	RC	Completed	Reported
CIT	MRC236	1316970	5018173	545.6	284.5	-87	70	RC	Completed	Reported
CIT	MRC237							RC	Withdraw	
CIT	MRC238	1316960	5018232	543.6	305	-50	27	RC	Re-Drilled	No Significant Intercept
CIT	MRC239							RC	Withdraw	
CIT	MRC240	1316913	5018307	511.1	102.6	-64	57	RC	Completed	Reported
CIT	MRC241	1316902	5018295	511.9	109.6	-50	71	RC	Completed	Reported
SRX	MDD305	1318951	5015877	766.2	176.3	-49	31.2	OHD	Re-Drilled	Reported
SRX	MDD321	1319120	5015774	767.4	146.1	-57	70.0	OHD	Completed	Partial reported
SRX	MDD327	1319075	5015883	758.3	160.5	-89	70.0	DD	Completed	No Significant Intercept
SRX	MDD335	1318950	5015878	766.2	9.4	-60	57.0	OHD	Completed	Reported
SRX	MDD338	1319263	5015437	810.7	227.6	-76	25.5	DD	Completed	Reported
SRX	MDD338R	1319264	5015437	810.8	220.0	-90	6.0	DD	Completed	No Significant Intercept
SRX	MRC176	1318973	5015760	788.3	180.0	-50	55.0	RC	Completed	Reported

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SRX	MRC179	1318885	5015879	772.1	127.6	-89	28.0	RC	Completed	No Significant Intercept
SRX	MRC187	1319048	5015766	784.4	36.1	-64	80.0	RC	Completed	No Significant Intercept
SRX	MRC216	1318930	5015837	772.7	20.4	-86	37.0	RC	Completed	Reported
SRX	MRC224	1319123	5015656	783.4	130.6	-49	42.0	RC	Completed	Reported
SRE	MDD331	1319835	5015397	805.9	22.2	-67	132.0	OHD	Completed	Reported
SRE	MDD349	1319805	5015424	803.7	44.4	-61	149.7	OHD	Completed	Reported
SRE	MRC201	1319833	5015265	822.2	228.8	-52	31.0	RC	Completed	Sterilisation
SRE	MRC202	1319876	5015264	815.7	230.2	-54	31.0	RC	Completed	Sterilisation
SRE	MRC203	1319911	5015227	816.0	227.6	-52	31.0	RC	Completed	Sterilisation
SRE	MRC204	1319935	5015184	820.4	221.4	-55	34.0	RC	Completed	Sterilisation
SRE	MRC205	1319966	5015139	825.8	235.6	-55	31.0	RC	Completed	Sterilisation
SRE	MRC206	1319991	5015097	830.0	228.5	-50	33.0	RC	Completed	Sterilisation

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JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<p><i>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.</i></p> <p><i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i></p> <p><i>Aspects of the determination of mineralisation that are Material to the Public Report.</i></p> <p><i>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.</i></p>	<p>This Mineral Resource Estimate (MRE) is estimated from drilling samples collected by reverse circulation and diamond drilling. ‘Blasthole’, surface trench and underground channel samples were used as an aid for geological interpretation and domaining but not for grade estimation.</p> <p>Diamond drill (DD) core samples for laboratory assay are typically 1 metre samples of diamond saw cut ½ diameter core. In the rare cases where the core was friable or unconsolidated the sample was collected from one side of the core using a scoop. Where distinct mineralisation boundaries are logged, sample lengths are adjusted to the respective geological contact. RC samples were sub-sampled at 1.0 m intervals using a rotary splitter mounted below the cyclone. The splitter produced 2 x 30% splits and 1 x 40% split. The two 30% splits were used as primary sample and field duplicate (if submitted) with the 40% split used for logging and then stored at the MGL core yard.</p> <p>Samples are crushed at the receiving laboratory to minus 2mm (85% passing) and split using a rotary splitter to provide 1kg for pulverising in a ring mill to -75um. Pulps are fire assayed (FAA) using a 50g charge with AAS finish. Prior to 2019 only 200g of the crushed material was pulverised. 877 samples were assayed this way.</p> <p>Certified standards, blanks and field replicates are inserted with the original batches at a frequency of ~5% each for QAQC purposes.</p> <p>All pulps and crush reject (CREJ) are returned from the laboratory to MGL for storage on site. Of these returned samples, a further ~5% are re-submitted as QC check samples 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.</p> <p>Where multiple assays exist for a single sample interval, larger samples are ranked in the database: PHA > BLEG > SFA > FAA.</p> <p>All returned pulps are analysed for a suite of 31 elements by portable XRF (pXRF).</p> <p>The sampling, sub-sampling and assaying methods are appropriate to the geology and mineralization of the RAS deposit.</p>

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Criteria	JORC Code explanation	Commentary
Drilling techniques	<p><i>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).</i></p>	<p>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). DD pre-collars are drilled open hole through un-mineralised TZ3 schist to within about 15 m of the mineralisation hangingwall at which point diamond coring commences.</p> <p>RC drilling is only carried out where the mineralisation target is less than about 150m downhole and used a face sample bit with sample collected in a cyclone mounted over a rotary splitter producing 2 x 30% splits and 1 x 40% split. The two 30% splits were used as primary sample and field duplicate (if submitted) with the 40% split used for logging and then stored at the MGL core yard.</p> <p>Drillholes are oriented to intersect known mineralised features in a nominally perpendicular orientation as much as is practicable.</p> <p>All drill core is oriented to assist with interpretation of mineralisation and structure using a Trucore orientation tool.</p>
Drill sample recovery	<p><i>Method of recording and assessing core and chip sample recoveries and results assessed.</i></p> <p><i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i></p> <p><i>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.</i></p>	<p>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.</p> <p>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 ~96% recoveries.</p> <p>RC sample recovery is measured as sample weight recovered. RC sample moisture for all RC drilling data was logged as dry (83.7% of RC samples), moist (12.0%) or wet (4.3%). All samples logged as wet were omitted from use in this MRE.</p> <p>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.</p> <p>Sample grades were plotted against drilling recovery by drilling method and no relationship was established.</p> <p>Wet RC samples do show higher grades than dry RC samples. This may be due to wet RC samples coming from higher grade zones or sampling bias due to the loss of fines in wet samples. Whatever the cause, this bias was the reason that wet RC samples were omitted from use in this MRE.</p>

Criteria	JORC Code explanation	Commentary
Logging	<p><i>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.</i></p> <p><i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i></p> <p><i>The total length and percentage of the relevant intersections logged.</i></p>	<p>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 Acquire database with sufficient detail that supports Mineral Resource estimations (MRE).</p> <p>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.</p> <p>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, geotechnical and metallurgical studies.</p> <p>All RC chips were sieved and logged for lithology, colour, oxidation, weathering, vein percentage and sulphide minerals.</p> <p>All core is photographed wet and dry before cutting. Sieved RC chips are also photographed.</p> <p>100% of all relevant (within the gold grade domains) intersections were logged. The logging is of sufficient quality and detail for resource estimation.</p>
Sub-sampling techniques and sample preparation	<p><i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></p> <p><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></p> <p><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></p> <p><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></p> <p><i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i></p> <p><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></p>	<p>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.</p> <p>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.</p> <p>Field duplicates of RC samples are sub-sampled by a splitter as described above at the time of sampling.</p> <p>Large diameter (83mm) PQ3 core was maintained (where conditions allow) for DD holes to MDD016 and subsequently HQ3 (61mm) for drillholes MDD017 onwards.</p> <p>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 nominated by geologists and the crushed sample being split by the laboratory with the two replicated samples then assayed.</p> <p>QA procedures used to maximise the representivity of sub-samples include the use of a cone splitter on the RC rig and cutting DD core perpendicular to the regional foliation. QC procedures to assess the representivity of sub-sampling include field replicates, standards, and blanks at a frequency of ~5% and also cross-lab assay checks at an umpire laboratory.</p> <p>The mass proportion of every 10th sample passing 75um is reported by the laboratory and monitored to</p>

Criteria	JORC Code explanation	Commentary
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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.

ensure sample preparation quality.

Calculations based on Pitard (1993) show that sub-sample masses are appropriate to gold particle size and grade, if the size and shape of the gold particles are reduced in the ring mill in a similar way to the gangue particles.

SFA and PHA are all total gold assays and are appropriate to the RSSZ mineralization. DD core and RC chip samples 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. Other SGS laboratories at Macraes and Townsville and the ALS laboratory in Townsville, are used from time to time and follow the same processes. For laboratory QAQC, samples (3*certified standards, blanks and field replicates) are inserted into laboratory batches at a frequency of ~5% respectively. A selection of 5% of retained lab pulps across a range of grades are sent for re-assay and to an umpire laboratory for cross-lab check assays.

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 regular calibration (every 20 samples) and QAQC analyses of SiO₂ blank, NIST standards (NIST 2710a & NIST 2711a), & OREAS standards. pXRF QAQC checks involve regular calibration (every 20 samples) and QAQC analyses of SiO₂ blank, NIST standards (NIST 2710a & NIST 2711a), & OREAS standards.

No geophysical tools have been used in this MRE.

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.

Since October 2022 all logging has been directly entered into the Acquire database using tablets. All collar surveys, downhole surveys and assay results are provided digitally and directly imported into the database. On import into the database validation checks are made for: interval overlaps, gaps, duplicate holes, duplicate samples and out of range values. The Acquire database is stored on a cloud server and is regularly backed up, updated and verified by an independent qualified person.

The only adjustment made to the data on import to the database is to convert below detection results to negative the detection limit. Samples with multiple Au results are ranked by assay method (SFA > FA > other) and on export only the highest ranked method is exported. Prior to import into Minesight software the data is further validated as above plus checks on the highest and lowest values. Negative below detection results are converted to half the detection limit on import into Minesight.

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.

All drillhole collar locations are accurate (+/- 50mm) xyz coordinates when captured by an experienced surveyor using RTK-GPS equipment.

All drill holes reference the NZGD2000 NZTM map projection and collar RLs the NZVD2016 vertical datum.

DD down hole surveys are recorded continuously with a Precision Mining and Drilling "North-seeking" Gyro downhole survey tool. RC holes are surveyed at 12m intervals using a Reflex multi-shot camera.

There are very minor historical adits and shafts at RAS. No surveys of these voids exist, although at least one adit is still accessible. Historical production records total 630.5 tons of ore crushed. Such small volumes are not material to this MRE.

Topographic control is provided by LiDAR topographic surveys in 2018 and 2021 covering the entire project area. These are very accurate and suitable for resource estimation.

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.

Drill collar site locations in steep terrain are dictated by best access allowed by contour tracks with gradients to allow safe working access and drill pad excavations. Drillhole designs take into account this variation to achieve evenly spaced intercepts at the hangingwall of the mineralisation.

Drillhole intersection spacing on the hangingwall of the mineralisation is typically 30 m (EW) by 30 m (NS) but varies from 20 m (EW) by 20 m (NS) in closely spaced areas to 120 m (EW) by 100 m (NS) in widely spaced (inferred) areas. This spacing is considered appropriate for determination of geological and grade continuity at the mineral resource categories reported.

Some of the RC drilling was sampled as 4m composites and later re-sampled if the composite result exceeded a threshold. There are no composited samples within the gold grade estimation domains and so no composited samples were used in this MRE.

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.

Drillholes are oriented to intersect known mineralised features in a nominally perpendicular orientation as much as is practicable. True widths are estimated perpendicular to mineralisation boundaries where these limits are known. As the deposits are tabular and lie at low angles, there is not anticipated to be any introduced bias for resource estimates.

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. RC samples are also placed in polyweave bags and secured with zip ties.

Polyweave bags with the calico bagged samples for assay are placed in plastic cage pallets, sealed with a wire-tied cover, photographed, and transported to local freight distributor 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 and December 2022 of all sampling techniques and data management. No major issues were identified, and recommendations have been followed.

In February 2023 Snowdon Optiro completed a desktop review of the assay methods and QC sample results and in its report concluded that the sampling and assaying methods are in line with standard industry procedures and that the assay data in the supplied database is suitable to be used as the basis for a Mineral Resource.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i> <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i> 	<p>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. In 2023 the term of this permit was extended for a further 5 years until 12 April 2028.</p> <p>There are no material issues with third parties.</p> <p>MGL was granted Minerals Prospecting Permit (MPP) 60882 (40km²) on 30 Nov 2023 for a term of 2 years.</p> <p>The tenure of the Permits is secure and there are no known impediments to obtaining a licence to operate.</p> <p>As gold is a Crown mineral, a royalty is payable to the Crown as either the higher of an ad valorem royalty of 2% of the net sales revenue or an accounting profits royalty of 10%.</p> <p>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.</p> <p>Access arrangements are in place with landowners that provide for current exploration and other activities, and any future decision to mine. As such, compensation is payable, including payments of up to \$1.5M on a decision to mine, plus total royalties starting at 1% on the net value of gold produced, increasing to 1.5% and ultimately 2% dependent on location and total gold produced over the life of the mine. The royalties are also subject to pre-payment of up to \$3M upon commencement of mining operations.</p>



Criteria	JORC Code explanation	Commentary
Exploration done by other parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties. 	<p>Early exploration in the late 1800's and early 1900's included small pits, adits and cross-cuts and alluvial mining.</p> <p>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.</p>
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<p>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.</p> <p>The hangingwall of the RSSZ is truncated by the post metamorphic and post mineralisation 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.</p> <p>Gold mineralisation occurs in the RSSZ as 4 known deposits with Mineral Resource Estimates (MRE) – Come-in-Time (CIT), Rise and Shine (RAS), Srex (SRX) and Srex-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 immediately below the Thomsons Gorge Fault (TGF). Stacked stockwork vein swarms (SVS) occur deeper in the RSSZ.</p> <p>Unlike Macraes, the gold mineralisation in the oxide, transition and fresh zones is characterised by coarse free gold.</p>
Drill hole Information	<ul style="list-style-type: none"> A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> easting and northing of the drill hole collar elevation or RL (Reduced Level) – 	<p>Refer to the body of text.</p> <p>No material information has been excluded.</p>

Criteria	JORC Code explanation	Commentary
	<p><i>elevation above sea level in metres) of the drill hole collar</i></p> <ul style="list-style-type: none"> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i> ○ <i>hole length.</i> <ul style="list-style-type: none"> ● <i>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.</i> 	
Data aggregation methods	<ul style="list-style-type: none"> ● <i>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.</i> ● <i>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.</i> ● <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	<p>Significant gold intercepts are reported on a continuous basis using 0.25g/t Au and 0.50g/t Au lower grade cut-offs with a maximum of 4m of internal dilution included. Broad zonation is:</p> <p>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.</p> <p>1.50g/t Au cut-off is possible economically underground exploitable</p> <p>Metal unit (MU) distribution, where shown on maps and in tables are calculated from total drill hole Au * associated drill hole interval metres.</p> <p>pXRF analytical results reported for laboratory pulp returns are considered accurate for the suite of elements analysed.</p>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> ● <i>These relationships are particularly important in the reporting of Exploration Results.</i> ● <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> ● <i>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').</i> 	<p>All intercepts quoted are downhole widths. True widths are estimated perpendicular to mineralisation boundaries where these limits are known.</p> <p>Intercepts are associated with a major 20-120m thick low-angle mineralised shear that is largely perpendicular to the drillhole traces.</p> <p>Aggregate widths of mineralisation reported up until 2nd June 2023 are drillhole intervals >0.50g/t Au occurring in apparent low angle stacked zones. Subsequent reporting is on a continuous basis.</p> <p>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.</p>

Criteria	JORC Code explanation	Commentary
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Diagrams	<ul style="list-style-type: none"> • <i>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 planview of drill hole collar locations and appropriate sectional views.</i> 	All significant intercepts have been reported.
Balanced reporting	<ul style="list-style-type: none"> • <i>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.</i> 	All significant intercepts have been reported.
Other substantive exploration data	<ul style="list-style-type: none"> • <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i> 	Not applicable; meaningful and material results are reported in the body of the text.

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Criteria	JORC Code explanation	Commentary
Further work	<ul style="list-style-type: none"> <li data-bbox="555 252 1095 339">• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <li data-bbox="555 355 1095 474">• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	<p data-bbox="1095 252 2148 276">DD infill drilling of existing inferred resources is continuing at BOGP and deeper sub-vertical structures.</p> <p data-bbox="1095 300 2148 355">A review of field mapping, soil sampling and geophysical surveys is in progress to determine new targets for drilling in the project area.</p> <p data-bbox="1095 379 2148 474">Concurrent to the planned drilling outlined above, additional metallurgical test work, environmental, geotechnical and hydrological investigations are on-going to support the pre-feasibility studies into a gold mining and processing operation.</p>