

# STRONG RESULTS FROM EXTENSIONAL DRILLING ON SOUTHERN APOLLO HILL CORRIDOR

#### **HIGHLIGHTS**

- Thick, shallow, and higher-grade intersections from recent reverse circulation drilling include:
  - 23m @ 1.74g/t Au from 63m including 8m @ 3.20g/t Au from 49m AHRC0690
  - 8m @ 3.39g/t Au from 73m AHRC0705
  - 9m @ 1.17g/t Au from 63m AHRC0687
- New results highlight consistency between drill sections on the southern strike extension of the Apollo Hill mineralised corridor (Figure 1).
- Intercepts further emphasise the potential to grow Apollo Hill's Mineral Resource of 35.9Mt @ 0.8g/t Au for 944,000 oz of gold¹.
- This is only the third round of assays reported from this new area and assays remain pending for a further 30 RC drill holes (5,000m) drilled to test the zone (Figure 1).

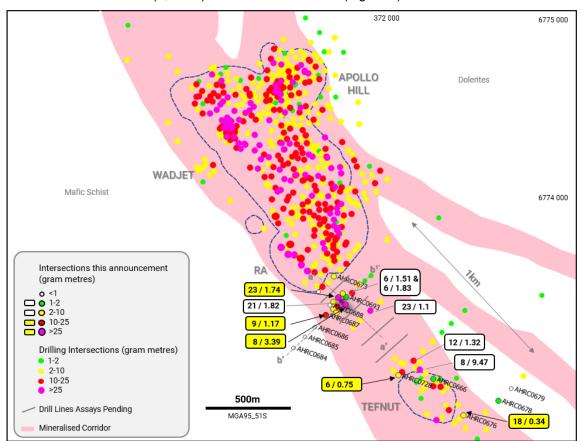


Figure 1 – Resource extension drilling and results and holes for which assays remain pending relative to the published resource.

(a) This diagram contains exploration results and historic exploration results as originally reported in fuller context in Saturn Metals Limited ASX Announcements as published on the Company's website. Saturn Metals Limited confirms that it is not aware of any new information or data that materially affects the information on results noted.

<sup>1.</sup> Details of the Mineral Resource which currently stands at 35.9 Mt @ 0.8 g/t Au for 944,000 and a breakdown by category are presented in Table 1a (page 5 of this document) along with the associated Competent Persons statement and details of the ASX announcement that this information was originally published in.

Saturn Metals Limited (ASX:STN) ("**Saturn**", "the **Company**") is pleased to announce further significant results from ongoing reverse circulation (RC) drilling at the Apollo Hill deposit within its 100%-owned Apollo Hill Gold Project, 60km south-east of Leonora in the Western Australian goldfields.

This drilling is a key part of the Company's ongoing strategy to grow the Apollo Hill Mineral Resource, which was upgraded to 944,000 ounces on 28 January 2021<sup>1</sup>. Another resource upgrade is planned for later in 2021 after considering results from the next 20,000m of drilling planned across the Apollo tenements.

These new drilling results, south of the Apollo Hill resource area, in the Ra -Tefnut corridor, show continuity between drill sections and the potential for further mineralisation along several shallowly plunging shoots where drilling remains open to the southwest and assays are pending to the northeast (Figure 2 – long cross-section).

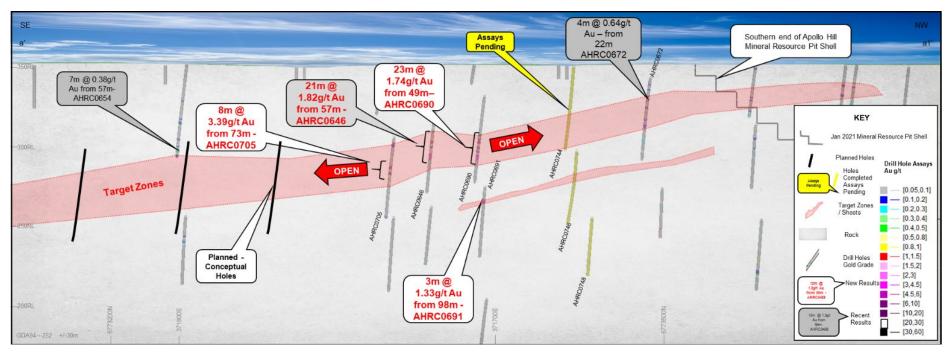
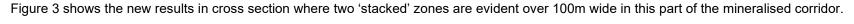


Figure 2 - Simplified geological long cross section a-a1 of recent drill results (location illustrated on plan view in Figure 1).

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Results complement assays reported in March and April including **21m @ 1.82g/t Au** from 57m in AHRC0646 (Saturn ASX Announcement dated 22 March 2021). Importantly, strongly mineralised intersections are being repeatedly returned in shallow extensional positions on this major corridor over a 1.4km strike length (Figure 1). Saturn continues to focus on this under-drilled opportunity with assays pending along strike.



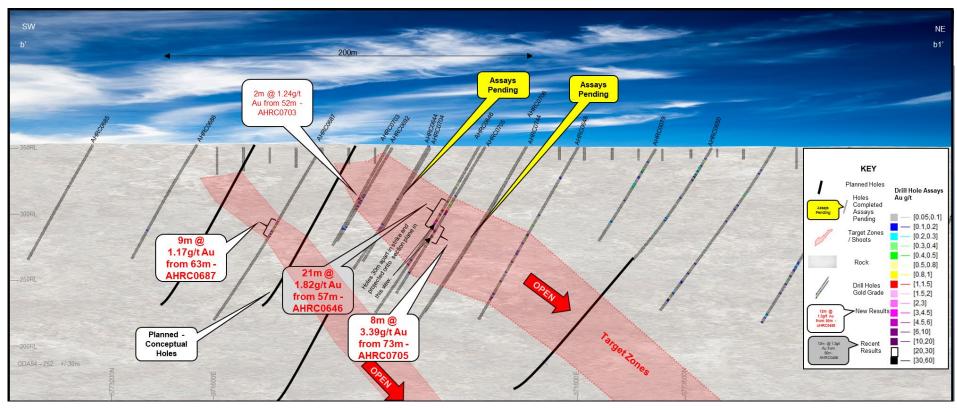


Figure 3 – Simplified geological cross section b-b1 of recent drill results (location illustrated on plan view in Figure 1).

Appendix 1 lists significant intersections received in the most recent batch of assays. Appendix 2 lists relevant hole details.

<sup>(</sup>a) This diagram contains exploration results and historic exploration results as originally reported in fuller context in Saturn Metals Limited ASX Announcements as published on the Company's website. Saturn Metals Limited confirms that it is not aware of any new information or data that materially affects the information on results noted.

Saturn Managing Director Ian Bamborough said: "Extensional drilling is successfully showing the pattern and opportunity on this sizeable corridor. We look forward to receiving and reporting on the next batch of assays from the 30 additional holes completed to date in this area."

This announcement has been approved for release by the Saturn Metals Limited Board of Directors.

IAN BAMBOROUGH Managing Director

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#### Competent Persons Statement - Resource:

¹The information for the Mineral Resource included in this report is extracted from the report entitled (Apollo Hill Gold Resource Upgraded To 944,000oz) created on 28 January 2021 and is available to view on the Saturn Metals Limited website. Saturn Metals Limited confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Saturn Metals Ltd confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Table 1a\* January 2021 Mineral Resource Statement; 0.4 g/t Au cut-off by oxidation domain within a 1.4 revenue factor pit shell to represent reasonable prospects for eventual economic extraction.

Grade	te	Measured		Indicated		Inferred		MII Total					
Lower Cut-off G (Au g/t)	Oxidation state	Tonnes (Mtonnes)	Au (g/t)	Au Metal (Kozs)	Tonnes (Mtonnes)	Au (g/t)	Au Metal (Kozs)	Tonnes (Mtonnes)	Au (g/t)	Au Metal (Kozs)	Tonnes (Mtonnes)	Au (g/t)	Au Metal (Kozs)
	Oxide	0	0	0	0.5	0.8	13	0.3	0.8	8	0.9	0.8	21
0.4	Transitional	0	0	0	3.4	0.8	91	0.8	0.8	21	4.3	0.8	112
0.4	Fresh	0	0	0	17.3	0.8	452	13.5	0.8	359	30.8	0.8	810
	Total	0	0	0	21.2	0.8	556	14.7	0.8	388	35.9	0.8	944

Preliminary Whittle pit optimizations using approximated regional mining and processing costs for multiple processing scenarios have been run on the resource model using a gold price of US\$1,700/oz to generate a range of pit shells and cut-off grades. A pit shell for a combined mill and heap leach scenario representing a revenue factor of 1.4 was selected as a nominal constraint within which to report the Apollo Hill Mineral Resource, thereby satisfying the JORC Code requirement for a Mineral Resource to have reasonable prospects for eventual economic extraction. Other relevant information is described in the JORC Code Table 1 as appropriate. A nominal 0.4 g/t Au lower cut-off grade was selected for all material types. There is no material depletion by mining within the model area. Estimation is by localised multiple indicator kriging for Apollo Hill zone and the Apollo Hill Hanging-wall zone; estimation of Ra and Tefnut zone used restricted ordinary kriging due to limited data. The model assumes a rotated 5 m by 12.5 m by 5 m RL Selective Mining Unit (SMU) for selective open pit mining. The final models are SMU models and incorporate internal dilution to the scale of the SMU. Technically the models do not account for mining related edge dilution and ore loss. These parameters should be considered during the mining study as being dependent on grade control, equipment and mining configurations including drilling and blasting. Classification is according to JORC Code Mineral Resource categories. Totals may vary due to rounded figures.

#### Competent Persons Statement – Exploration:

The information in this report that relates to exploration targets and exploration results is based on information compiled by Ian Bamborough, a Competent Person who is a Member of The Australian Institute of Geoscientists. Ian Bamborough is a fulltime employee and Director of the Company, in addition to being a shareholder in the Company. Ian Bamborough has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Ian Bamborough consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

<sup>a</sup> This document contains exploration results and historic exploration results as originally reported in fuller context in Saturn Metals Limited ASX Announcements, Quarterly Reports and Prospectus - as published on the Company's website. Saturn Metals Limited confirms that it is not aware of any new information or data that materially affects the information on results noted. Announcement dates to refer to include but are not limited to 14/04/2021, 30/03/2021, 22/03/2021, 28/01/2021, 25/01/2021, 22/12/2020, 30/10/2020, 31/07/2020, 21/04/2020 and 31/01/2020.

## Appendix 1:

## Significant Apollo Hill RC Drill Results

Hole Number	Down Hole Width (m)	Grade (g/t Au)	From (m)			
AHRC0666	2	0.56	40			
AHRC0671		NSI				
AHRC0673	1	1.54	47			
ARCU073	5	0.7	122			
AHRC0676	7	0.71	63			
AHRC0070	18	0.34	76			
AHRC0678	4	0.50	86			
AHRC0679	No	Significant Intersectio	ns			
AHRC0684	No	Significant Intersectio	ns			
AHRC0685	No	Significant Intersectio	ns			
AHRC0686	No Significant Intersections					
AHRC0687	15	0.85	63			
Inc.	9	1.17	63			
AHRC0688	No Significant Intersections					
AHRC0689	6	0.5	52			
Al IICO009	2	0.50	73			
AHRC0690	23	1.74	49			
Inc.	8	3.20	53			
	3	1.19	33			
AHRC0691	5	0.42	88			
	2	1.94	98			
AHRC0692	3	0.74	51			
AHRC0693	6	0.33	47			
AHRC0703	2	1.24	52			
AHRC0705	11	0.67	47			
Al INCO703	8	3.39	73			
AHRC0728	6	0.75	32			
AHRC0739	1	0.86	100			
AHRC0743	No	Significant Intersectio	ns			

## Appendix 2:

## **Completed and Reported Apollo Hill RC Holes**

Hole Number	Easting	Northing	RL (m)	Dip°	Azi°	Depth (m)
AHRC0666	372271	6772947	352	-60	225	166
AHRC0671	371610	6773450	353	-60	225	64
AHRC0673	371700	6773538	351	-60	225	130
AHRC0676	372444	6772738	352	-60	225	154
AHRC0678	372646	6772824	350	-60	225	154
AHRC0679	372719	6772893	350	-60	225	154
AHRC0684	371468	6773125	354	-60	225	100
AHRC0685	371534	6773190	353	-60	225	100
AHRC0686	371591	6773245	354	-60	225	100
AHRC0687	371653	6773316	351	-60	225	154
AHRC0688	371676	6773371	352	-60	225	106
AHRC0689	371697	6773391	352	-60	225	100
AHRC0690	371725	6773417	352	-60	225	124
AHRC0691	371750	6773441	352	-60	225	142
AHRC0692	371696	6773350	352	-60	225	82
AHRC0693	371771	6773418	352	-60	225	148
AHRC0703	371716	6773327	352	-60	225	94
AHRC0705	371766	6773374	352	-60	225	130
AHRC0728	372071	6772969	337	-60	225	244
AHRC0739	372832	6774060	351	-60	225	178
AHRC0743	372532	6774173	352	-60	225	158

## **Appendix 3:**

### **Saturn Metals Project Areas**

Apollo Hill (29.15°S and 121.68°E) is located approximately 60km south-east of Leonora in the heart of WA's goldfields region (Figure 4). The deposit and the Apollo Hill project are 100% owned by Saturn and are surrounded by good infrastructure and several significant gold deposits. The Apollo Hill Project has the potential to become a large tonnage, simple metallurgy, low strip open pit mining operation.

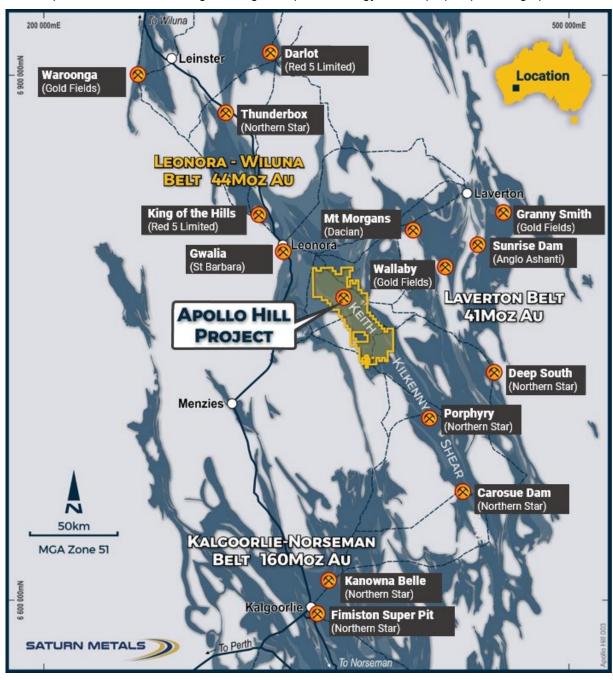


Figure 4 – Apollo Hill location, Saturn Metals' tenements and surrounding gold deposits, gold endowment and infrastructure.

In addition, Saturn has a second quality gold exploration project in Australia. The Company has an option to earn an 85% joint venture interest in the West Wyalong Project (Figure 5), which represents a high-grade vein opportunity on the highly gold prospective Gilmore suture within the famous Lachlan Fold belt of NSW.

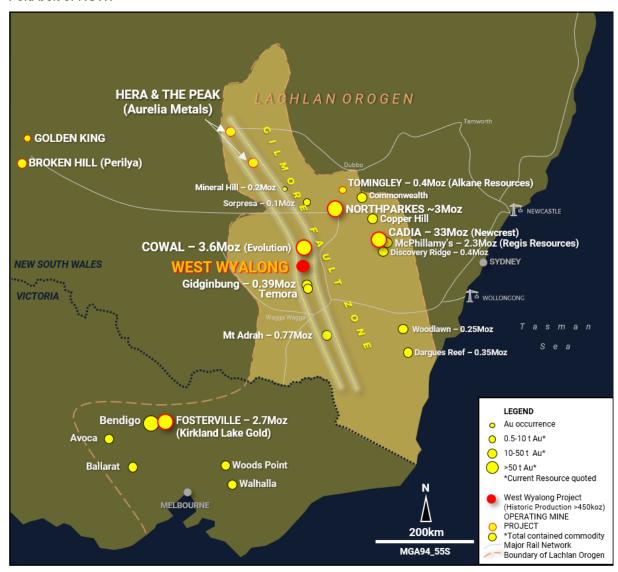


Figure 5 – Regional setting and location of the West Wyalong Gold Project in relation to other gold projects in New South Wales and Victoria (map taken from Saturn ASX announcement on 28 April 2020 where full references are provided).

## **Appendix 4:**

### JORC Code, 2012 Edition - Table 1 - Apollo Hill Exploration Area

### **Section 1 Sampling Techniques and Data**

(Criteria in this section apply to the Apollo Hill, Apollo Hill Hanging-wall and Ra and Tefnut exploration areas all succeeding sections).

#### Table II Extract of JORC Code 2012 Table 1

Criteria	JORC Code Explanation	Commentary
Sampling techniques	specialized 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 mineralization that are Material to the Public Report.	geologists, use of appropriate sub-sampling methods, routine cleaning of splitters and cyclones, and RC rigs with sufficient capacity to provide generally dry, reasonable recovery samples. Information available to demonstrate sample representivity includes RC sample weights, sample recovery, sample consistency, field duplicates, standards and blanks. RC holes were sampled over 1 m intervals using a cone-splitter mounted to the RC drill rig. RC samples were analyzed ALS in both Kalgoorlie and Perth and SGS in Kalgoorlie. At the laboratories, the samples were oven dried and crushed to 90% passing 2 mm, and pulverized to 95% passing 106 microns, with analysis by 50 g fire assay. RC samples were generally taken at 1 m interval but if composited were composited to 4 m to produce a 3 kg representative sample to be submitted to the laboratory. If the 4 m composite sample was anomalous (Au>0.16 g/t), the original 1 m samples were retrieved and submitted to
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	Reverse Circulation (RC) drilling used either a 4.5 inch or 5.5 inch face-sampling bit.  Diamond core was HQ3 of NQ2 diameter core. All RC drillholes were surveyed by Gyro, every 30 m down hole.  All core was oriented using a Reflex orientation tool, which was recorded at the drill site, and all core pieced back together and orientated at the STN core yard at Apollo Hill.
Drill sample recovery	assessed.	



Criteria	JORC Code Explanation	Commentary
		The RC Drilling was completed using auxiliary compressors and boosters to keep the hole dry and ensure the sample was lifted to the sampling equipment as efficiently as possible. The cyclone and cone splitter were kept dry and clean, with the cyclone cleaned after each drillhole and the splitter cleaned after each rod to minimize down-hole or cross-hole contamination. The 3 kg calico bag samples representing 1 m where taken directly from the cyclone and packaged for freight to Kalgoorlie. The calico represents both fine and coarse material from the drill rig. Diamond core recovery was measured and recorded for each drill run. The core was physically measured by tape and recorded for each run. Core recovery was recorded as percentage recovered. All data was loaded into the STN database.
		maximize recoveries and sample quality.  There was no observable relationship between recovery and grade, or preferential bias between hole-types observed at this stage.  There was no significant loss of core reported in the mineralized parts of the diamond drillholes to date.
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.	Drillholes were geologically logged by industry standard methods, including depth, colour, lithology, alteration, sulphide and visible gold mineralization and weathering.  RC Chip trays and Diamond Core trays were photographed.  The logging is qualitative in nature and of sufficient detail to support the current interpretation.
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.	RC holes were sampled over 1 m intervals by cone-splitting. RC sampling was closely supervised by field geologists and included appropriate sampling methods, routine cleaning of splitters and cyclones, and rigs with sufficient capacity to provide generally dry, high recovery RC samples. Sample quality monitoring included weighing RC samples and field duplicates. Whole core was sent for assay in logged mineralized zones. Half core was submitted in unmineralized surrounding country rock.  Assay samples were crushed to 90% passing 2 mm, and pulverized to 95% passing 75 microns, with fire assay of 50 g sub-samples. Assay quality monitoring included reference standards and inter-laboratory checks assays.  Duplicate samples were collected every 20 samples, and certified reference material and blank material was inserted every 40 samples.  The project is at an early stage of evaluation and the suitability of sub-sampling methods and sub-sample sizes for all sampling groups has not been comprehensively established. The available data suggests that sampling procedures provide sufficiently representative sub-samples for the current interpretation.
	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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	Sampling included field duplicates, blind reference standards, field blanks and inter-laboratory checks to confirm assay precision and accuracy with sufficient confidence for the current results, at a rate of 5%.  Samples were submitted to ALS in Kalgoorlie and Perth, Nagrom in Perth, and SGS in Kalgoorlie where they were prepared, processed and analyzed via 50 g charge fire assay.



Criteria	JORC Code Explanation	Commentary		
	The verification of significant intersections by either independent or alternative company personnel.  The use of twinned holes.	No independent geologists were engaged to verify results. STN project geologists were supervised by the company's Exploration Manager. No adjustments were made to any assays of data.		
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Logs were recorded by field geologists on hard copy sampling sheets which were entered into spreadsheets for merging into a central SQL database.		
	Discuss any adjustment to assay data.	Laboratory assay files were merged directly into the database. The project geologists routinely validate data when loading into the database.		
Location of data		Collars are initially surveyed by hand-held GPS, utilizing GDA94, Zone 51.		
pointo	estimation.	Final drillhole collars are all surveyed by DGPS by ABIMS & Goldfield Surveyors.  All RC and diamond holes were down-hole surveyed using a gyroscopic survey tool.		
	Specification of the grid system used.  Quality and adequacy of topographic control.	A topographic triangulation was generated from drillhole collar surveys and the close-spaced (50 m) aeromagnetic data.		
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.	Apollo Hill mineralization has been tested by generally 30 m spaced traverses of south- westerly inclined drillholes towards 225°. Across strike spacing is variable. Material within approximately 50 m of surface has been generally tested by 2 m to 30 m spaced holes, with deeper drilling ranging from locally 20 m to greater than 6 m spacing.		
	Whether sample compositing has been applied.	The data spacing is sufficient to establish geological and grade continuity.		
in relation to	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Mineralized zones dip at an average of around 30° to 60° towards the northeast. Detailed orientations of all short-scale mineralized features have not yet been confidently established. The		
geological structure	If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	majority of the drillholes were inclined at around 60° to the southwest.		
Sample security	The measures taken to ensure sample security.	Apollo Hill is in an isolated area, with little access by the general public. STN's field sampling was supervised by STN geologists. Sub-samples selected for assaying were collected in heavy-duty poly-woven bags which were immediately sealed. These bags were delivered to the assay laboratory by independent couriers, STN employees or contractors.		
		Results of field duplicates, blanks and reference material, and the general consistency of results between sampling phases provide confidence in the general reliability of the drilling data.		
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	The Competent Person independently reviewed STN sample quality information and database validity. These reviews included consistency checks within and between database tables and comparison of assay entries with original source records for STN's drilling. These reviews showed no material discrepancies. The Competent Person considers that the Apollo Hill drilling data has been sufficiently verified to provide an adequate basis for the current reporting of exploration results.		



Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section).

Criteria	JORC Code Explanation	Commentary
	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.	tenements are wholly owned by Saturn Metals Limited. These tenements, along with certain
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Aircore, RC and diamond drilling by previous tenement holders provides around 44% of the estimation dataset. The data is primarily from RC and diamond drilling by Battle Mountain, Apex Minerals, Fimiston Mining, Hampton Hill, Homestake, MPI and Peel Mining.
Geology	Deposit type, geological setting and style of mineralization.	The Apollo Hill project comprises two deposits/trends: the main Apollo Hill deposit in the northwest of the project area, and the smaller Ra-Tefnut Deposits in the south. Gold mineralization is associated with quartz veins and carbonate-pyrite alteration along a steeply north-east dipping contact between felsic rocks to the west, and mafic dominated rocks to the east. The combined mineralized zones extend over a strike length of approximately 2.4 km and have been intersected by drilling to approximately 350 m vertical depth.  The depth of complete oxidation averages around 4 m with depth to fresh rock averaging around 21 m.
Drillhole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drillholes: easting and northing of the drillhole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drillhole 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.	Any relevant information material to the understanding of exploration results has been included within the body of the announcement or as appendices.  No information has been excluded.
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.	
Relationship between mineralization widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralization with respect to the drillhole angle is known, its nature should be reported.	All drillhole intercepts are measured in downhole meters, with true widths estimated to be about 60% of the down-hole width.  The orientation of the drilling has the potential introduce some sampling bias (positive or negative).



Criteria	JORC Code Explanation	Commentary
	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').	
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 drillhole collar locations and appropriate sectional views.	
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.	For any exploration results, all results are reported, no lower cut-off or top-cuts have been applied.
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.	·
Further work	The nature and scale of planned further work (e.g. 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.	step out drilling. This work will be designed to improve confidence in and test potential extensions to the current resource estimates.

