

19 DECEMBER 2017

Trenching Delivers Strong Results from Outcropping Porphyry Gold-Copper System at Bramaderos Main

Results include 51.1m at 0.81g/t Gold and 0.18% Copper

HIGHLIGHTS

- Strong phase 1 results received from trenching program at Bramaderos Main target, including:
 - 74.3m at 0.69g/t gold and 0.15% copper in trench BM02;
 - including 51.1m at 0.81g/t gold and 0.18% copper
- Historical drilling confirms significant vertical extent to the outcropping mineralised zones with drill hole CURI-03, underneath trench BM02, having intersected:
 - 248.1m at 0.56g/t gold and 0.14% copper (from 9.14m to end of hole and open)
 - Including:
 - 62.0m at 1.00g/t gold and 0.22% copper from 59m
 - 30.2m at 0.77g/t gold and 0.21% copper from 227m to EOH
 - Last 2.2m of hole intersected 0.93g/t gold and 0.22% copper
- A significant trenching program is still in progress and is mapping zones of relatively more intense quartz stockwork. This will continue into January 2018
- Given the strong grade and significant vertical extent of the mineralisation, this will provide a priority drilling target for Sunstone in early 2018

Sunstone Metals Limited (ASX:STM) is pleased to announce very strong gold and copper results from trenching at the Bramaderos Main gold-copper porphyry target within the Bramaderos Project in Ecuador (Figure 3).

The current trenching phase is ongoing with initial results from three trenches: BM01, 02 and 03. Given the encouraging results trenches BM02 and BM03 have recently been extended to the west and these additional results are expected in January (Figure 2).

Trench BM02 has delivered 74.3m at 0.69g/t gold and 0.15% copper, including **51.1m at 0.81g/t gold and 0.18% copper**.



Sunstone Managing Director Malcolm Norris said:

"These results show very clearly why we are increasingly bullish about Bramaderos with each phase of exploration. To deliver 51.1m at 0.81g/t gold and 0.18% copper at surface is exceptional.

"These strong trench results correlate with mineralisation in an historic drill hole, which delivered 248.1m at 0.56g/t gold and 0.14% copper and ended in 0.93g/t gold and 0.22% copper at 200m below the mineralised surface. This delivers significant vertical scale to this system.

"We get very excited when historic drill holes end in mineralisation, deliver the best grades of the hole, and haven't been followed up.

"The trenching is ongoing and we are looking forward to announcing more strong results in January."

Trench BM02 was positioned over the top of the historical diamond drill hole CURI-03 so that a cross section could be constructed (Figure 1) to start to develop a better understanding of the three-dimensional geometry of mineralisation at Bramaderos Main.

CURI-03 was drilled in 2001 by Ecuanor S.A. and intersected **248.1m** at **0.56g/t** gold and **0.14%** copper from 9.14m to the end of hole. Mineralisation at the end of the hole returned 0.93g/t gold and 0.22% copper over 2.2m (see Figure 1). This drill hole indicates potential for significant vertical extent to the mineralised zones intersected by trenching at surface.

The trenching program is designed to map the porphyry gold-copper mineralisation at surface. Trench locations were sited to cross areas of more intense quartz stockwork veining. This has been achieved and as a consequence a phase two trenching program will be initiated with closer spaced trenches that will tighten the definition of the mineralised zones.

This will contribute to better defined drilling targets.

As stated previously, the trenching program delivers high quality continuous and non-biased samples which can be considered equivalent to a drill hole sample. Consequently, the trenching data will be incorporated into future estimates of mineral resources.

Table 1: 2017 Trenches at Bramaderos Main gold-copper porphyry target, Ecuador

Trench Number	Interval (m)	Gold Grade (g/t Au)	Copper Grade (% Cu)	Comments
Tr BM01	108.2	0.33	0.09	~120m south of trench BM02
includes	62.1	0.43	0.11	
Tr BM02	74.3	0.69	0.15	Has been extended to the west, results pending
includes	51.1	0.81	0.18	
Tr BM03	33.9	0.12	0.07	~220m south of trench BM02; has been extended to the south-west towards mapped stockwork veining; results pending



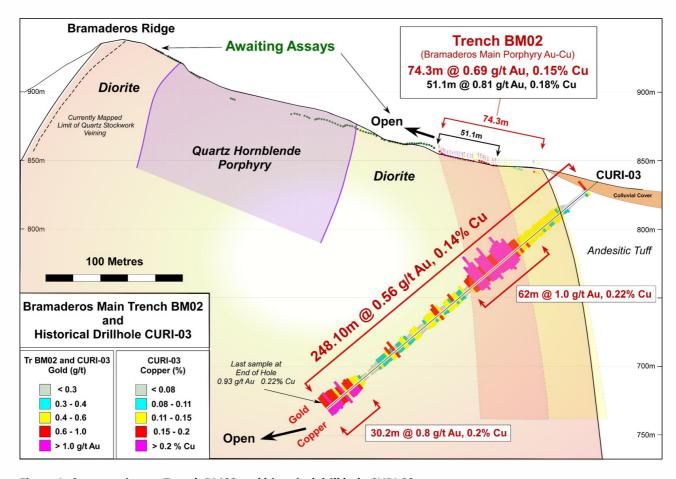


Figure 1: Cross section on Trench BM02 and historical drill hole CURI-03



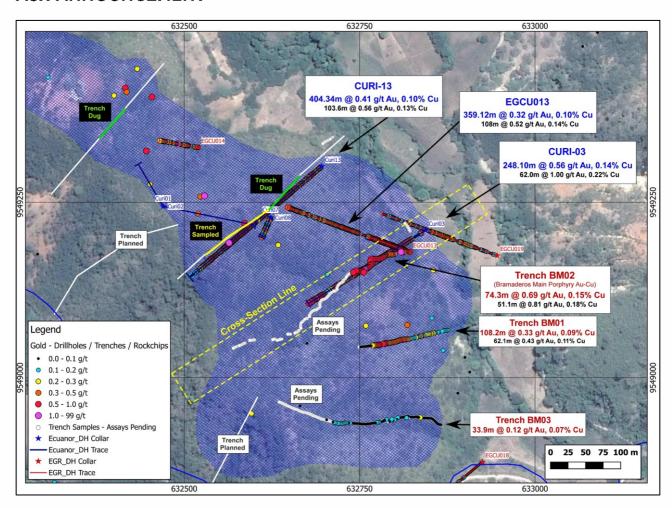


Figure 2: Plan showing locations of trenching, historical drill holes and surface rock chip samples. The transparent blue cross hatch is the area of mapped quartz stockwork veining.



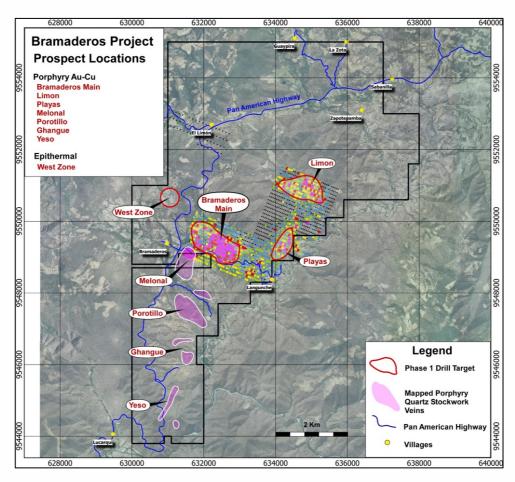


Figure 3: Bramaderos project showing location of the Bramaderos Main, Limon and Playas gold-copper porphyry systems and the West Zone epithermal gold system. Other mapped areas of stockwork veins are yet to be assessed by Sunstone. Grid points are soil gold results from Sunstone sampling.

Table 2: Details of historical drill holes shown in Figures 1 and 2

Drill Hole Number	Easting	Northing	Azimuth	Dip	Comments
CURI-01	632470	9549244	101.5	-47	Drilled by Ecuanor S.A. in 2001
CURI-02	632470	9549244	329.5	-48	Drilled by Ecuanor S.A. in 2001
CURI-03	632844	9549210	238	-40	Drilled by Ecuanor S.A. in 2001
CURI-07	632623	9549228	204	-70	Drilled by Ecuanor S.A. in 2001
CURI-08	632623	9549228	204	-45	Drilled by Ecuanor S.A. in 2001
CURI-09	632127	9549206	237	-59	Drilled by Ecuanor S.A. in 2001
CURI-10	632127	9549239	291	-56	Drilled by Ecuanor S.A. in 2001
CURI-11	632127	9549239	27	-51	Drilled by Ecuanor S.A. in 2001
CURI-13	632696	9549301	230	-55	Drilled by Ecuanor S.A. in 2001
EGCU-13	632822	9549179	290	-60	Drilled by Ecuador Gold S.A. in 2007
EGCU-14	632520	9549328	280	-60	Drilled by Ecuador Gold S.A. in 2007
EGCU-18	632925	9548880	230	-80	Drilled by Ecuador Gold S.A. in 2007
EGCU-19	632946	9549174	290	-60	Drilled by Ecuador Gold S.A. in 2007



About Sunstone Metals

Sunstone has an advanced portfolio of exploration and development projects in Scandinavia and Ecuador. The portfolio comprises:

- 1. The Bramaderos Gold-Copper Project where Sunstone has signed an earn-in agreement with TSXV listed Cornerstone Capital Resources (see ASX announcement dated 10th April 2017). The Bramaderos gold-copper project is located in Loja province, southern Ecuador, and is considered to be highly prospective for the discovery of large gold-copper systems. Historical results from drilling at Bramaderos include wide intervals such as 260m at 0.6g/t Au and 0.14% Cu. Trenching results at the West Zone breccia include intersections at surface of up to 42m at 3.7g/t Au. These results, together with the distribution of alteration, and large coincident gold-copper-molybdenum surface anomalies indicate multiple fertile mineralised systems with significant discovery potential.
- 2. **The Viscaria Copper Project** in northern Sweden has a completed Scoping Study (see ASX announcements dated 16th December 2015 and 5th April 2016) and is moving towards PFS and permitting to allow for mine development. Considerable exploration upside exists and low technical risk drill targets continue to be tested.
- 3. The Southern Finland Gold Project, includes the Satulinmäki gold prospect. Shallow diamond drilling was completed by the Geological Survey of Finland (GTK) during the period 2000-2005 and this was followed by a 7-hole diamond drilling program by Sunstone Metals in 2016. Intersections from GTK include 18m @ 4.1g/t Au from 50m downhole, including 3m @ 9.3g/t Au, and 4m @ 10.3g/t Au in drill hole R391. Intersections by Sunstone include 23.5m at 3.3g/t in SMDD007 and 2m at 10.5g/t in SMDD005. The Satulinmäki gold prospect is part of an earn-in JV with Canadian company Nortec Minerals, where Sunstone can earn up to an 80% interest (see ASX announcement dated 19th May 2016). Sunstone has already earned a 51% interest, and has also acquired a significant land position, in its own right, in the district.

Competent Persons Statement

The information in this report that relates to exploration results is based upon information reviewed by Dr Bruce Rohrlach who is a Member of the Australasian Institute of Mining and Metallurgy. Dr Rohrlach is a full-time employee of Sunstone Metals Ltd and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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". Dr Rohrlach consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

For further information, please visit www.sunstonemetals.com.au

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APPENDIX 1

The following Table and Sections are provided to ensure compliance with the JORC Code (2012 Edition)

TABLE 1 – Section 1: Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
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Sampling techniques	 Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. 	The results announced here are from trench rock chip samples. The sampling was carried out using saw-cut continuous channel samples from bedrock exposed in trenches.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Samples were taken as saw-cut channel samples along trenches to get a representative sample.
	• 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 (e.g. '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 (e.g. submarine nodules) may warrant disclosure of detailed information.	• Continuous rock channel sampling along trenches. Samples were collected along intervals ranging from 0.83m to 2.50m, and sample weights ranging from 1 to 8kg.
Drilling techniques	• Drill type (eg 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).	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV. Historical diamond drilling has been completed by previous explorers.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Drilling has not yet been undertaken by the Sunstone-Cornerstone JV. The Sunstone-Cornerstone JV does have complete assay data from historical holes. Details of this drilling has been reported in publicly available NI 43-101 technical reports.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Drilling has not yet been undertaken by the Sunstone-Cornerstone JV. Channel samples were cut continuously along the trench walls or floor and so represent 100% recovery.
	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.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV.
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.	 Drilling has not yet been undertaken by the Sunstone-Cornerstone JV. Trench-derived rock chip samples were logged into an Excel database that recorded lithology, alteration and mineralisation style and sampling details.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Drilling has not yet been undertaken by the Sunstone-Cornerstone JV.
	The total length and percentage of the relevant intersections logged.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV. All channel samples were logged.
Sub-sampling techniques and	If core, whether cut or sawn and whether quarter, half or all core taken.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV. Details of historical drilling data has been taken from assay databases and from NI 43-101 technical reports.



Criteria	JORC Code explanation	Commentary
sample preparation	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Trench derived rock chip samples collected (dry) and weighed between 1kg and 8kg. These were then sent to the sample preparation laboratory for processing as described below.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	 Samples were sent to the LAC y Asociados Cia. Ltda. Sample Preparation Facility in Cuenca, Ecuador for sample preparation. The standard sample preparation for rock chip samples (Code PRP-910) is: Drying the sample, crushing to size fraction 70% <2mm and splitting the sample to a 250g portion by riffle or Boyd rotary splitter. The 250g sample is then pulverised to >85% passing 75 microns and then split into two 50g pulp samples. Then one of the pulp samples was sent to the MS Analytical Laboratory in Vancouver (Unit 1, 20120 102nd Avenue, Langley, BC V1M 4B4, Canada) for gold and base metal analysis. The sample preparation is carried out according to industry standard practices using highly appropriate sample preparation techniques.
	Quality control procedures adopted for all sub- sampling stages to maximise representivity of samples.	 Sunstone used an industry standard QAQC programme involving Certified Reference Materials "standards" and blank samples, which were introduced in the assay batches. Standards (Certified Reference Materials) and analytical blanks were submitted at a rate of 1 in 16 samples. Duplicate samples were also submitted in the main analytical batch. In addition, analytical duplicate (or check) assays were conducted on 1 in 12 samples. The check or duplicate assay results are reported along
	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.	 with the sample assay values in the final analysis report. Samples were collected in a manner that provided representative samples from each trench, and zones of different rock types or alteration within those trenches. Once assay results are received the results from duplicate samples are compared with the corresponding routine sample to ascertain whether the sampling is representative.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	• Sample sizes are considered to be appropriate for the style of sampling undertaken and the grainsize of the material, and correctly represent the style and type of mineralisation at the exploration stage.
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.	 Sunstone used assay method FAS-111 for gold and IMS-136-15g for a suite of 37 elements (including gold). FAS-111 involves Au by Fire Assay on a 30-gram aliquot, fusion and atomic absorption spectroscopy (AAS) at trace levels. IMS-136-15g involves Aqua regia digestion of a 15g aliquot followed by multi-element analysis by ICP-AES/MS at ultra-trace levels. This analysis technique is considered suitable for this style of mineralisation.
	• 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.	No other measurement tools/instruments were used.



Criteria	JORC Code explanation	Commentary		
	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.	grade and are consid performance of values r grade of the deposit. The check sampling	dards range from low to high ered appropriate to monitor near cut-off and near the mean results are monitored and communicated to the laboratory	
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.		e been completed by the exploration results for this	
yg	The use of twinned holes.	• Drilling has not yet been undertaken by the Sunstone-Cornerstone JV.		
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Sunstone sampling data using Excel.	were imported and validated	
	Discuss any adjustment to assay data.	Assay data were not adjust	sted.	
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.	Sample co-ordinates are along the length of the tre	located by GPS and measured ench.	
	Specification of the grid system used.	Southern Ecuador project	ction parameters:	
		Parameter	Value	
		Reference Ellipsoid	International 1924	
		Semi Major Axis		
		Inverse Flattening (1/f)		
		Type of Projection	UTM Zone -17S (Datum PSAD56)	
		Central Meridian:	-81.0000	
		Latitude of Origin	0.0000	
		Scale on Central Meridian	0.9996	
		False Northing	10000000	
		False Easting	500000	
	Quality and adequacy of topographic control.		trol was compared against ellite imagery and found to be	
Data spacing and distribution	Data spacing for reporting of Exploration Results.		eted over various intervals and a 0.83 to 2.5m along a trench.	
	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.	The data from these same	ples does not contribute to any plies any grade continuity.	
	Whether sample compositing has been applied.	No sample compositing v	vas done.	
Orientation of data in relation to geological	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.		o get a representative sample of but not sampled in any way to used of structures.	
structure	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.	Drilling has not yet beer Cornerstone JV.	n undertaken by the Sunstone-	
Sample security	The measures taken to ensure sample security.	Sunstone sampling pr samples were given due	ocedures indicate individual attention.	



Criteria	JORC Code explanation	Commentary
		 Sample security was managed through sealed individual samples and sealed bags of multiple samples for secure delivery to the laboratory by permanent staff of the joint-venture. MS Analytical is an internationally accredited laboratory that has all its internal procedures heavily scrutinised in order to maintain their accreditation. MS Analytical is accredited to ISO/IEC 17025 2005 Accredited Methods.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	 Sunstone's and Cornerstone's sampling techniques and data have been audited multiple times by independent mining consultants during various project assessments. These audits have concluded that the sampling techniques and data management are to industry standards. All historical data has been validated to the best degree possible and migrated into a database.

TABLE 1 – Section 2: 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 Bramaderos Exploration Concession is located in the Loja Province of southern Ecuador. The concession was granted to La Plata Minerales S.A. ("PLAMIN") in January 2017. PLAMIN is a subsidiary of Cornerstone Capital Resources Inc ("Cornerstone"). The concession is subject to a Joint Venture between Cornerstone Capital Resources Inc. and Sunstone Metals Ltd. There are no wilderness areas or national parks or areas of environmental significance within or adjoining the concession area. There are no native title interests.
	• 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.	The Bramaderos Exploration Concession was granted to La Plata Minerales S.A. ("PLAMIN") in January 2017. PLAMIN is a subsidiary of Cornerstone Capital Resources Inc ("Cornerstone"). The Bramaderos Concession is subject to a Joint Venture between Sunstone Metals and Cornerstone.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	• The historic exploration was completed by various groups over the period 1970-1984, 2001-2002 and 2004-2007. Most of the readily available historic data has been acquired and compiled into databases and a GIS project. Exploration by other parties has included stream sediment surveys, geological mapping, rock chip sampling (888 samples) and grid-based soil sampling (1324 samples), trenching and channel sampling (17 trenches), ground magnetic surveys (31 line kilometres), electrical IP surveys and diamond drilling (10426m).
Geology	Deposit type, geological setting and style of mineralisation.	The deposit style being explored for includes intrusion- related and stockwork hosted porphyry Au-Cu systems plus low sulphidation epithermal veins and bulk- tonnage breccia-hosted epithermal gold mineralisation. The setting is a volcanic arc setting of Cretaceous age overprinted by Miocene age intrusions.



Criteria	JORC Code explanation	Commentary
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: a. easting and northing of the drill hole collar b. elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar c. dip and azimuth of the hole d. down hole length and interception depth e. hole length.	 Details of the samples discussed in this announcement are in the body of the text. Details of historical drill holes are included here and are taken from publicly available NI 43-101 technical reports.
	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.	Information included in announcement.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	 No weighting averaging techniques were used. Intervals were calculated based on interval length multiplied by the grade, and then composited over appropriate intervals. No grade cut-offs were applied.
	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.	Intervals were calculated based on interval length multiplied by the gold grade, and then composited over appropriate intervals and averaged over the length.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Metal equivalents have not been applied.
Relationship between mineralisation	If the geometry of the mineralisation with respect to the drill-hole angle is known, its nature should be reported.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV
widths and intercept lengths	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV
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.	See Figures for maps showing distribution of samples.
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.	Figures 1 & 2 above show individual rock chip and trench channel results and the composited intervals, and the location of trenching results relative to historical drill holes.
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.	Figures 1 & 2 above show individual rock chip channel results and the composited intervals.
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).	The planned exploration program is outlined in the announcement.



Criteria	JORC Code explanation	Commentary	
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	See Figure 3 which shows areas for further exploration.	