

17 OCTOBER 2017

High grade gold in trenching provides further evidence of potential for a substantial gold discovery at West Zone, Bramaderos Project, Ecuador

Results include 8.9m at 6.1g/t gold in new trenches

HIGHLIGHTS

- Further strong results from five additional trenches completed at the West Zone epithermal gold prospect;
 - o 8.9m at 6.1g/t gold in trench 8; open in all directions
 - First sample returned 1.3g/t gold and last sample 7.4g/t gold
 - o 11.6m at 1.8g/t gold in trench 7
 - o 8.4m at 1.2g/t gold in trench 6
 - o 2m at 2.1g/t gold in trench 5
 - Highest individual sample 1.5m at 12g/t gold in trench 7
- This is the second batch of strong trenching results from West Zone with the final batch expected later this month
- The results from all trenching will be used to identify drill targets
- Drilling approvals are expected by the end of this quarter
- The trenching results present a robust continuous bedrock sample across the mineralised system and as such are comparable to a horizontal drill hole sample near surface

Sunstone Metals Limited (ASX:STM) is pleased to announce further outstanding high-grade gold results from trenching at the West Zone epithermal gold prospect within the Bramaderos Project in Ecuador.

The new results, complementing those released on 25th September 2017, add to the emerging picture of a hydrothermal breccia-hosted epithermal gold system, with a surface footprint of at least 150m x 150m and depth extent to be tested by drilling.

These trenches present a continuous sample of bedrock across and within the mineralised zones. Much of the area is covered by scree on hill slopes limiting the lateral extent of some trenches. As a result, the lateral extent of mineralisation is yet to be defined, but is expected to be larger than the limited area of trench sampling to date.



This area has never been drilled and represents a prime target for drilling once the drilling permit is received, which is expected by the end of this quarter.

Sunstone Managing Director Malcolm Norris said:

"The strong potential of the West Zone epithermal gold prospect is increasingly clear with each set of results. The trenching approach is delivering a robust and reliable sample of the mineralised system. We eagerly await the commencement of our drilling program to assist in determining the continuity of this near-surface system at depth.

"The grades are remaining strong and our interpretation of geometry and geology is improving. We interpret this as a sub-vertical cluster of breccia domains.

"The presence of epithermal gold mineralisation in a hydrothermal breccia system adjacent to larger porphyry gold-copper systems is exactly what we would expect to see and strongly reinforces our expectations of a well mineralised porphyry and epithermal environment at Bramaderos."



Photograph of Trench 8 which has returned 8.9m at 6.06g/t gold and 1.6g/t silver. The sampling and gold anomalism is open at both ends and additional assays are expected from the southern extension (left in this photo)



Trench Gold and Silver Assay Results; all trenches sampled and assayed to date

Trench Number	Interval (m)	Gold Grade (g/t Au)	Silver Grade (g/t Ag)	Comments
Tr LB01	39.04	1.00	1.8	Open; last sample 0.3 g/t Au
includes	12.1	1.55	2.1	
Tr LB02	32.03	0.74	0.9	Open; last sample 0.42 g/t Au
includes	9.93	1.40	2.0	
Tr LB03	51.31	1.06	3.1	Open; first sample 0.43 g/t Au, last sample 0.27 g/t Au
includes	11.58	1.35	9.3	
and	9.04	1.92	1.1	
Tr LB04	19.11	0.54	1.6	Open; first sample 0.24 g/t Au
Tr LB05	12.31	0.86	1.2	Open at northern end; last sample 1.3g/t Au
	2	2.10	0.8	open at both ends; single sample 1.0 g/t Au
	9.16	0.92	2.4	Open at southern end; last sample 1.7g/t Au
Tr LB06	30.03	3.60	1.5	Open; last sample 1.18g/t Au
includes	21.99	4.78	1.5	
includes	6.92	12.71	1.1	
	8.42	1.17	1.2	western continuation
Tr LB07	11.57	1.79	0.5	Open at southern end; last sample 11.9g/t Au
Tr LB08	8.9	6.06	1.6	open at both ends; end samples 1.3 and 7.4g/t
Tr LB09				no significant intersections

Intervals shown in bold relate to the latest set of results; see ASX announcement dated 25th September 2017 for further detail on the first set of results from trenches 1-4, & 6

Discussion of Trench Results

The surface trench results are significant because they follow a partially outcropping epithermal system which then continues under cover (scree on the slopes of hills). The trench data, soil data, surface mapping, and a planned detailed heli-magnetic geophysical survey to be conducted in November and December will provide all required datasets for drill targeting.

The final batch of assays from the completed trenching program at West Zone are expected in late October and all data from this prospect will be summarised at that time and reported.

Drill Permitting

A drilling permit is required prior to commencement of drilling. The permit application process requires community consultation of the drilling program with local communities, authorities and landowner groups, and receipt of a water use permit. The water use permit application has been submitted and technically pre-qualified. Sunstone's joint venture partner Cornerstone Capital Resources is managing this process and has previously implemented the same procedure at its other exploration properties in Ecuador over the past 10 years. The target for receiving a drill permit during 2017 remains in place.

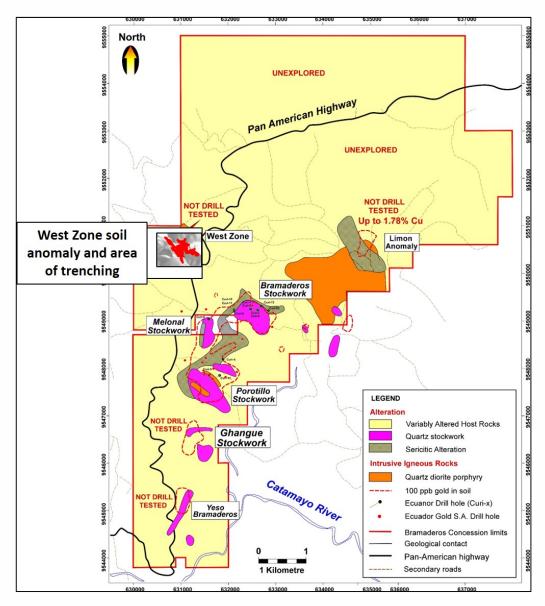


Figure 1: Bramaderos project showing location of the West Zone prospect where trenching samples were collected.



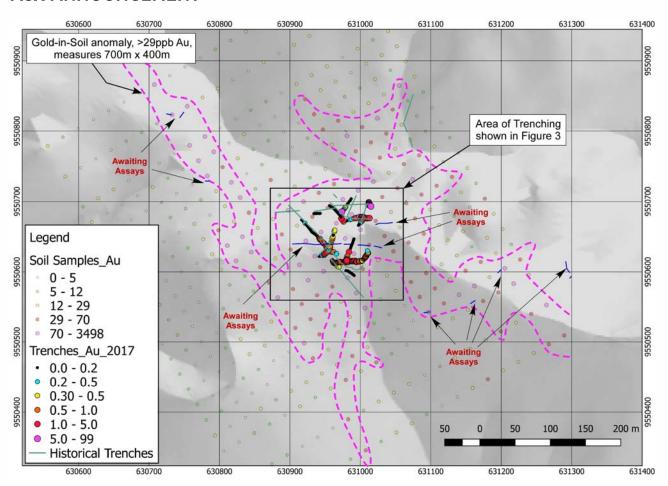


Figure 2: West Zone soil geochemical gold anomaly, showing location of the trenches in the centre of the anomaly, and those trenches and pits which are still to be assayed.



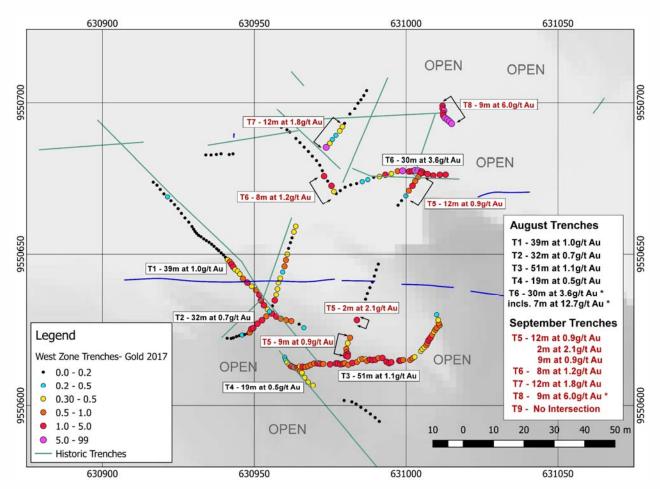
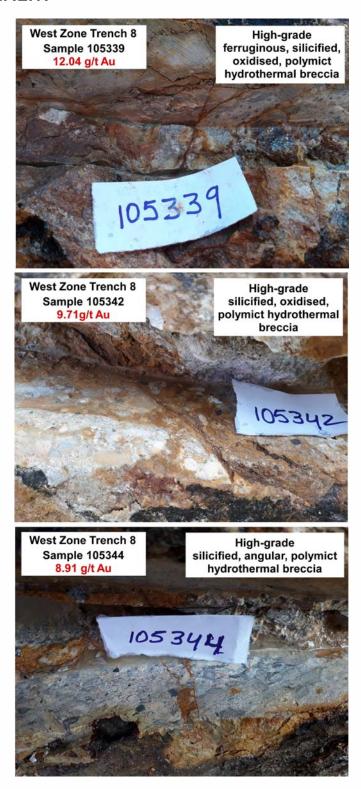


Figure 3: Detail of trench results to date at the West Zone epithermal gold prospect. Green lines are historic trenches. Blue lines are trenches which have been sampled and assay results are expected during late October.





Photographs of the hydrothermal breccias that host the gold mineralisation



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 copper-gold 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 a fertile mineralised system 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 Avalon Minerals 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 Avalon 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 Avalon can earn up to an 80% interest (see ASX announcement dated 19th May 2016). Avalon 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 Mr Malcolm Norris who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Norris 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". Mr Norris 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
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 composite chip samples from continuous sampling in exposed rock 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 chip composites 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 I 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 chip sampling along trenches. Samples were collected along intervals ranging from 0.75m to 2.3m, 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.
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.
recovery	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Drilling has not yet been undertaken by the Sunstone-Cornerstone JV.
	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.
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.
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



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Criteria	JORC Code explanation	Commentary
	Quality control procedures adopted for all sub-	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.
	sampling stages to maximise representivity of samples.	 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 with the sample assay values in the final analysis report.
	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.	 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.
	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.	 The values of the standards range from low to high grade and are considered appropriate to monitor performance of values near cut-off and near the mean grade of the deposit. The check sampling results are monitored and performance issues are communicated to the laboratory if necessary.
	The verification of significant intersections by either independent or alternative company personnel.	Procedure checks have been completed by the Competent Person for exploration results for this announcement.



Criteria	JORC Code explanation	Commentary
Verification of sampling and	The use of twinned holes.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV.
assaying	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Sunstone sampling data were imported and validated using Excel.
	Discuss any adjustment to assay data.	Assay data were not adjusted.
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 located by GPS and measured along the length of the trench.
	Specification of the grid system used.	Southern Ecuador projection 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.	The topographic control was compared against published maps and satellite imagery and found to be good quality.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	The samples were collected over various intervals and spacing, but ranging from 0.75 to 2.3m 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 samples does not contribute to any resource estimate nor implies any grade continuity.
	Whether sample compositing has been applied.	No sample compositing was 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.	Samples were collected to get a representative sample of intervals along trenches, but not sampled in any way to be independent and unbiased 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 been undertaken by the Sunstone-Cornerstone JV.
Sample security	The measures taken to ensure sample security.	 Sunstone sampling procedures indicate individual samples were given due attention. 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.



Criteria	JORC Code explanation	Commentary
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 Minerals 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 Minerals 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.
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.



Criteria	JORC Code explanation	Commentary
	• 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 2 & 3 above show individual rock chip results and the composited intervals.
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 2 & 3 above show individual rock chip 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.
	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 1 which shows areas for further exploration.