

4 DECEMBER 2017

Multiple large porphyry gold-copper drilling targets defined by soil sampling at Bramaderos, Ecuador

HIGHLIGHTS

- Latest soil sampling results continue to highlight the significant potential for Bramaderos to host substantial porphyry gold-copper deposits
- Three separate large porphyry gold-copper drilling targets at Bramaderos Main, Playas and Limon selected to be drilled first
- These new soil results are entirely consistent with previously-reported exploration results at Bramaderos, providing further evidence of the project's significant prospectivity
- Results from the latest trenching at Bramaderos Main are expected next week
- Soil sampling has identified additional targets which are being followed up

Sunstone Metals Limited (ASX:STM) is pleased to announce that strong soil sampling results have provided more evidence of the potential for substantial porphyry copper-gold deposits at its Bramaderos project in Ecuador (Figure 1).

The results define very clearly the main large porphyry gold-copper targets of Bramaderos Main, Playas and Limon and provide early indications of additional anomalies which may evolve into significant targets.

The soil geochemical anomalies (gold and copper) extend over areas of up to 2km x 1km, and coincide with multiple datasets including outcropping or sub-cropping mineralised stockwork veining, classically zoned distribution of lead, zinc, molybdenum and arsenic, and indications of epithermal mineralisation overprinting porphyry Au-Cu mineralisation.

The attached images provide context for the delineation of the main prospects.

Sunstone Managing Director Malcolm Norris said:

"These soil sampling results add to the growing body of evidence which supports our view of the immense porphyry exploration potential at Bramaderos.

Every piece of exploration work is delivering strong results and strengthens our confidence in these targets.

"We haven't had any negative surprises and each phase of work is adding to our ability to more confidently target the initial drill holes.

"We are expecting additional geological mapping, trenching, and detailed heli-magnetics to further refine our understanding of these multiple porphyry gold-copper opportunities on the Bramaderos Project."



Drill Permitting

A drilling permit is required prior to commencement of drilling. The permit application process requires the execution of an environmental impact study, 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. All documentation for the drill permit is currently with the Ministry of Environment who are responsible for issuing the permit.

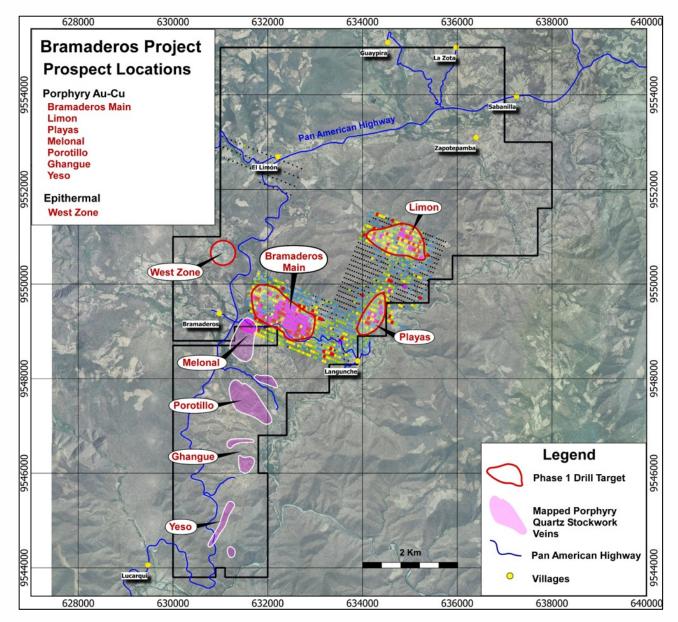


Figure 1: Bramaderos project showing location of the Bramaderos Main, Limon and Playas Au-Cu porphyry systems and the West Zone epithermal Au system. Other mapped areas of stockwork veins are yet to be assessed by Sunstone. Grid points are soil gold results from Sunstone sampling.



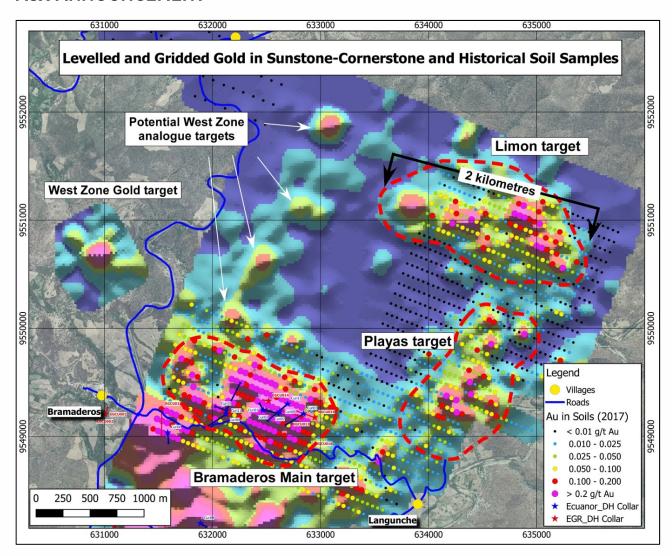


Figure 2: Image showing the current status of gold results from soil sampling on the Bramaderos property. The image comprises merged data from sampling by Sunstone, and from historical exploration. The three main porphyry gold-copper targets of Bramaderos Main, Limon and Playas are outlined. These targets will be drilled in the first phase of drilling. Warm colours are higher values, and blues are lower values. Absolute values are impacted by geology and weathering so are not necessarily directly comparable across targets. The blue and red stars show collar positions of historical drilling.

Grid points are recently completed Sunstone-Cornerstone sampling on a 100m x 50m grid. The coverage is currently being extended.

Details of individual gold-copper porphyry target soil sampling results are:

Bramaderos Main target:

Peak Au in Soil: 0.94 g/t Au (115 samples > 0.1 g/t Au) Peak Cu in Soil: 0.22% Cu (78 samples > 200 ppm Cu)

Gold anomaly at > 0.1 g/t approximately 1.4 km long by up to 600m wide.



Limon target:

Peak Au in Soil: 0.87 g/t Au (34 samples > 0.1 g/t Au) Peak Cu in Soil: 0.20% Cu (16 samples > 200 ppm Cu)

Copper is strongly leached from the surface environment, and the broader lower level anomaly measures approximately 2km long by up to 900m wide.

Playas target:

Peak Au in Soil: 0.87 g/t Au (18 samples > 0.1 g/t Au) Peak Cu in Soil: 0.34% Cu (40 samples > 200 ppm Cu)

Copper anomaly at > 200ppm is 1.4 km long by up to 300m wide.

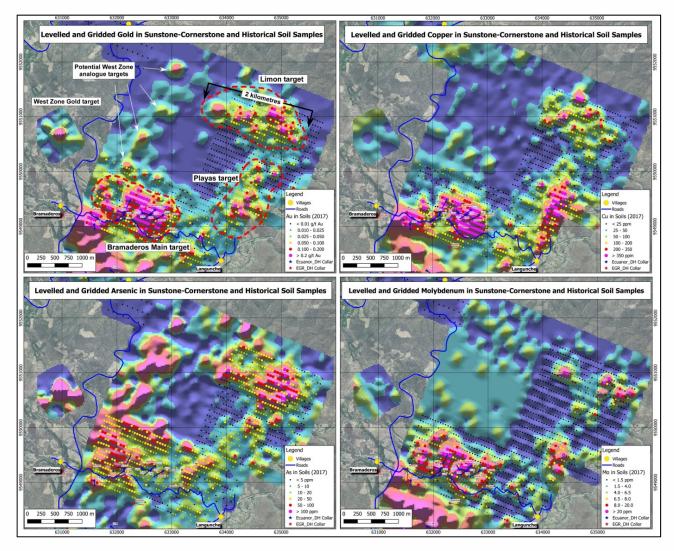


Figure 3: Images show the current status (dots) of Gold-Copper-Arsenic-Molybdenum soil sampling results at Bramaderos. Historical data has been levelled and is shown as coloured imagery.



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
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 soil samples.
	 Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	 Samples were taken by hand-operated auger drill. As much as possible, care was taken to sample the same soil horizon in each 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.	Soil samples were collected on a grid with the soil sampling site located by GPS, Low-detection limits were applied during analysis of the soils, commensurate with the levels expected in the soil samples.
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. Soil samples were logged for parameters such as slope, moisture, contamination, colour, origin, composition and depth. The data were recorded in an Excel database.
	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.
sample preparation	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Soil samples were collected (dry) as a whole-soil sample (unsieved), and weighed between 0.3kg and 0.6kg. 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 soil samples (Code PRP-757) is: Drying the sample, screening 500 grams to 80 mesh with the oversize fraction being discarded. The screened samples were sent to the MS Analytical Laboratory in Vancouver (Unit 1, 20120 102nd Avenue, Langley, BC V1M 4B4, Canada) for gold, base metal, minor and trace element analysis. • The sample preparation is carried out according to industry standard practices using highly appropriate sample preparation techniques. • Sunstone used an industry standard QAQC programme
	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 each submitted at a rate of around 1 in 45 samples. Analytical duplicate (or check) assays were conducted.
		• 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 sample site, and zones of different rock types or alteration were well represented by the grid-nature of the soil sampling programs. 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-415 for gold with gravimetric finish for over-limit samples.IMS-136-15g was used for a suite of 37 elements (including gold). FAS-415 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-ES/MS at ultra-trace levels. This analysis technique is considered suitable for this style of sample.
	• 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.
Verification of sampling and assaying	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.
	The use of twinned holes.	Drilling has not yet been undertaken by the Sunstone- Cornerstone JV.



Criteria	JORC Code explanation	Commentary
	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. Plots of gridded soil values (Figures 2 and 3) involve levelled data, wherein Sunstone data and historical data were levelled prior to plotting as a single data-set.
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
	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 grid spacings. Most samples were collected on a 100m by 50m grid.
	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 structure	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 from each sample site. This samples are unbiased with respect to geology and any potential structures.
	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 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.
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 and no sampling intervals were calculated or reported. 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.	No sampling intervals were calculated or reported.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Metal equivalents have not been applied.
Relationship between	• 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
mineralisation 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 the distribution of the soil sampling programs (both historical and by Sunstone Metals combined)
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 the distribution of the soil sampling programs (both historical and by Sunstone Metals combined).
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. Soil sampling is planned to cover the entire concession area.