

17 MARCH 2021

Bramaderos Project, Ecuador

Latest assays extend known strike length of Espiritu silver-gold system to 700m

Key Points

- Two latest holes (ESDD008 and ESDD009) at Espiritu extend the known strike length of the silver-gold mineralisation to 700m
- Drill hole ESDD009 intersected 2 significant lodes of silver-gold-zinc-lead mineralisation including:
 - 2.5m at 65.9g/t silver, 1.63g/t gold from 369.5m
 - 0.5m at 141g/t silver, 0.28g/t gold, 0.52% copper, 2.73% lead and 1.15% zinc from 370m
 - 0.6m at 154g/t silver, 6.46g/t gold from 371.4m (140m below surface)
- Detailed soil geochemistry has defined several significant anomalous areas to the south-east for drilling
- Espiritu is one of several similar targets within the Bramaderos project area
- Sunstone remains well capitalised with ~A\$3.3 million cash and continues to hold 154,020,781 Copperstone shares valued at A\$19.5 million

Sunstone Metals Ltd (ASX: STM) is pleased to announce more promising drilling results from the Espiritu silvergold discovery within its Bramaderos project in Ecuador.

Assay results and geological interpretation from holes ESDD008 and ESDD009 show multiple silver-gold bearing structures with various orientations (Figure 1) with local high-grade mineralisation (Table 1), including the highest gold grades yet drilled at Espiritu.

Sunstone Managing Director Malcolm Norris said: "These results provide more evidence that Espiritu is a large silver-gold system. It is still early days in the exploration of this system, and we are still developing models for the style and geometry of mineralisation, which will in turn enable us to better target the higher-grade areas.

"The early benefits of this approach are seen in drill hole ESDD009, which delivered the highest gold grades we have seen in the system.

We are seeing the suggestion of groupings of discrete surface anomalies - seen clearly in Figure 3 - that probably reflect higher grade shoots, and which will be the focus on ongoing work. We will be exploring individual targets within an area 700m x 1,500m. Locally these areas contain very high grades of silver and we are getting closer to understanding the controls on those higher grades.

"Once ESDD011 is completed (Figure 2) we will review all data to plan the next phase of drilling. This will include drilling at Espiritu Southeast (Figure 3) where Espiritu style veining is present at surface and

ASX STM



corresponds with a cluster of silver-in-soil anomalies over a strike length of 400m. And Espiritu is one of several similar targets within the Bramaderos Project area, which require further exploration."

Drilling of hole ESDD008 was completed at 359.97m. Drill hole ESDD009 was completed at 451.35m and intersected veins a further 250m south of ESDD008 (Figure 1), now taking the strike extent of the Espiritu silver-gold system to 700m.

Drill Holes ESDD008 and 009 were drilled at shallow angles to surface, and partly following topography, and have only tested to a maximum vertical depth of 140m below surface.

Evidence of multiple lodes continues to be identified in drilling. Narrow high-grade zones show variable widths, and better mineralisation is interpreted to occur at vein intersections. This is interpreted to generate subvertical higher-grade shoots as seen in holes ESDD005 and 006, and to be tested with hole ESDD011 in progress.

Table 1: Details of assay results from holes ESDD008 and ESDD009

Drill Hole	From (m)	To (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
ESDD008	26.0	27.0	1.0	1.06	3.78			
	60.1	62.1	2.0		8.00		0.13	0.20
	166.9	167.8	0.9	0.34	24.25			0.15
	251.0	252.0	1.0	0.26	2.78			
	298.0	300.0	2.0	0.53	1.38			

ESDD009	71.0	72.0	1.0	0.31	6.02			
	113.0	115.0	2.0		20.81			0.22
	307.6	308.1	0.5	0.92	39.57			6.68
	327.6	328.0	0.4	0.19	12.95		0.28	1.04
	369.5	372.0	2.5	1.63	65.90	0.11	0.56	0.25
Includes	369.5	370.0	0.5	0.28	141.00	0.52	2.73	1.15
and	371.4	372.0	0.6	6.46	154.00			
	413.5	414	0.5	0.57	17.92		0.16	1.58



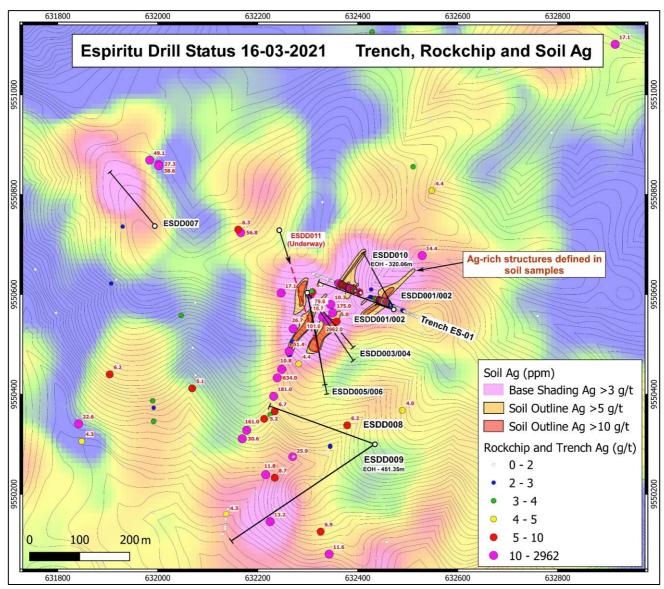


Figure 1: Espiritu silver-gold epithermal target drill status plan.



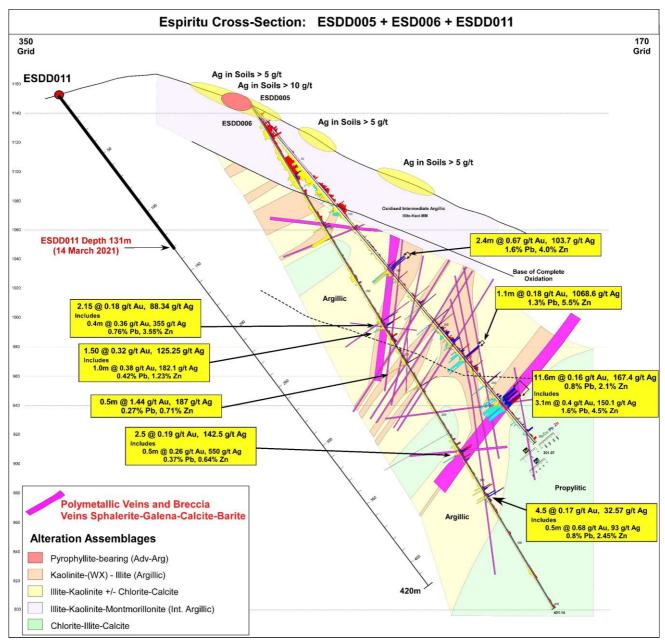


Figure 2: Cross section showing drill holes ESDD005, 006, and current hole ESDD011.



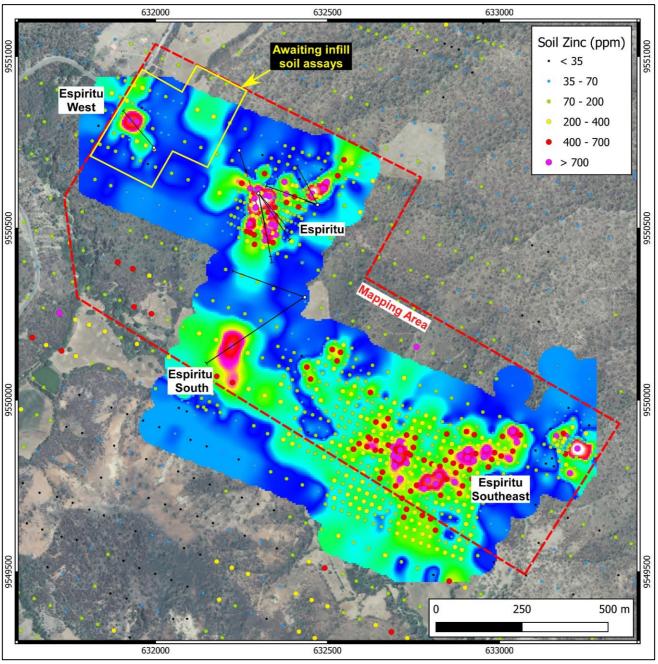


Figure 3: Status of the broader Espiritu target area with infill soil geochemistry highlighting multiple anomalies for follow-up.



Table 2: Espiritu drill hole location details

Hole ID	Easting	Northing	RL	Dip	Azimuth_GRID	Plan EOH	Final EOH	Pad Prep	Start_Date	Finish_Date
ESDD001	632470	9550572	1119	-40	294	90	99.29	Complete	9-Sep-20	14-Sep-20
ESDD002	632470	9550572	1119	-65	294	75	75.11	Complete	15-Sep-20	18-Sep-20
ESDD003	632300	9550604	1136	-35	146	135	183.14	Complete	21-Sep-20	30-Sep-20
ESDD004	632300	9550604	1136	-52	146	190	267.02	Complete	1-Oct-20	13-Oct-20
ESDD005	632300	9550604	1136	-50	170	260	301.07	Complete	16-Oct-20	29-Oct-20
ESDD006	632300	9550604	1136	-60	295	60	401.14	Complete	30-Oct-20	14-Nov-20
ESDD007	631995	9550738	1112	-30	320	170	219.51	Complete	17-Nov-20	26-Nov-20
ESDD002 (Ext)	632470	9550572	1119	-65	294	175	176.26	Complete	29-Nov-20	5-Dec-20
ESDD001 (Ext)	632470	9550572	1119	-40	294	140	201.32	Complete	6-Dec-20	13-Dec-20
ESDD008	632435	9550300	1037.5	-50	290	350	359.97	Complete	20-Dec-20	16-Jan-2021
ESDD009	632435	9550300	1037.5	-40	236	440	451.35	Complete	20-Jan-2021	5-Feb-2021
ESDD010	632470	9550572	1119	-65	332	270	320.06	Complete	12-Feb-2021	26-Feb-2021
ESDD011	632243	9550732	1150	-53	162	420		Complete	5-Mar-2021	Underway



About Sunstone Metals

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

- 1. The Bramaderos Gold-Copper Project where Sunstone owns an 87.5% interest with TSXV listed Cornerstone Capital Resources holding 12.5% (see ASX announcement dated 10th April 2017, 28th August 2019, and 7 January 2020). The Bramaderos gold-copper project is located in Loja province, southern Ecuador, and is highly prospective for the discovery of large porphyry gold-copper systems, and high-grade epithermal gold systems. Historical exploration results from drilling at Bramaderos together with recent exploration by Sunstone and joint venture partner Cornerstone Capital Resources (TSXV:CGP) indicate multiple fertile mineralised systems with significant discovery potential.
- 2. **The El Palmar Copper-Gold Project** where the highly prospective 800ha El Palmar copper-gold porphyry project in Ecuador will be acquired through a Staged Acquisition Agreement, which will ultimately deliver 100 per cent ownership to Sunstone.
- 3. **Sunstone has a significant equity interest** of ~16% in Stockholm listed Copperstone Resources (COPP-B.ST) following the sale of the Viscaria Copper project to Copperstone in 2019.
- 4. **The Scandinavian Lithium Project** includes the Kietyönmäki lithium prospect. Drilling by Sunstone has delivered 24.2m at 1.4% Li2O in a spodumene-bearing pegmatite. Kietyönmäki is also part of the JV with Nortec Minerals.

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.

Mr Malcolm Norris, Managing Director of Sunstone Metals Ltd., has authorised this announcement to be lodged with the ASX.

For further information, please visit www.sunstonemetals.com.au
Mr Malcolm Norris
Managing Director
Sunstone Metals Ltd
Tel: 07 3368 9888

Email: mnorris@sunstonemetals.com.au

APPENDIX 1

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



— ASX ANNOUNCEMENT —

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, historical rock chip samples, hand cut trench samples, and drilling samples. The drill core sampling was carried out using half core, generally at 1m intervals and where appropriate sampled to 0.3m intervals.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	 Soil samples were taken on a grid basis Rock samples were taken randomly with focus on those exhibiting alteration and mineralisation, and samples from within a hand dug trench and hand cut channel samples. Core recovery was good, and core aligned prior to splitting.
	• 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.	• Diamond drilling, rock chip and channel sampling points have been guided by geological mapping. The drill samples from Espiritu and El Palmar were dried, crushed to 70% passing 2mm, Split 1000g and pulverised to 85% passing 75microns. A 20g portion of this sample was used for multi-element analysis (IMS-230) and a 30g sample for Fire Assay Au (FAS-111).
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).	 The Espiritu target area has not been drilled by any phases of historical exploration. Current drilling by Sunstone is diamond core drilling and has drilled to various depths up to 301m. The diamond core was drilled delivering either HTW (70.9mm) or NTW (56mm) core. Drill core is oriented using a Reflex ACT II tool for bottom of hole.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Diamond core recovery data for the Espiritu drilling was measured for each drill run and captured in a digital logging software package. The data has been reviewed and core recovery was approximately 100% throughout.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Core recovery at Espiritu was good, no extra measures were taken to maximise sample 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.	No relationship between sample recovery and grade has been established.
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.	Drill samples, trench samples and rock chips were logged for lithology, weathering, structure, mineralogy, mineralisation, colour, and other features. Logging and sampling were carried out according to Sunstone's internal protocols and QAQC procedures which comply with industry standards.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Drill samples, and trench and rock chip samples are logged for lithology, weathering, structure, mineralogy, mineralisation, colour, and other features.
	The total length and percentage of the relevant intersections logged.	The drill holes and trenches are logged in full, from start to finish of the excavation.
Sub-sampling techniques and	If core, whether cut or sawn and whether quarter, half or all core taken.	• Half core was used to provide the samples that were submitted for assay. Quarter core samples were taken ~1 in every 28 samples for duplicate sampling. The remaining core is left in the core trays.



— ASX ANNOUNCEMENT —

Criteria	JORC Code explanation	Commentary
sample preparation	• If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Standard soil, rock chip samples, and channel samples.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	 Surface and drill core samples from Espiritu were sent to the LAC y Asociados Cia. Ltda. Sample Preparation Facility in Cuenca, Ecuador for sample preparation. The standard sample preparation for drill core 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) or analytical blanks were submitted at a rate of 1 in 28 samples. Field duplicates were also taken at a rate of approximately 1 in 28 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.	 For diamond core, the routine sample procedure is to always take the half/quarter core to the right of the orientation line (looking down hole) or the cut line (in cases where the orientation line was not reliable). 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 uses a fire assay gold technique for Au assays (FAS-111) and a four acid multi element technique (IMS-230) for a suite of 48 elements. FAS-111 involves Au by Fire Assay on a 30-gram aliquot, fusion and atomic absorption spectroscopy (AAS) at trace levels. IMS-20 is considered a near total 4 acid technique using a 20g 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.	Handheld XRF data are used as a guide to areas of potential mineralisation and samples from these areas are sent for laboratory analysis as described above.
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e.	 Standards, blanks and duplicates are inserted ~1/28 samples. The values of the standards range from low to high grade and are considered appropriate to



- ASX ANNOUNCEMENT -

Criteria	JORC Code explanation	Commentary	
	lack of bias) and precision have been established.	the mean grade of the deThe check sampling r	values near cut-off and near posit. results are monitored, and re communicated to the
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.		been completed by the exploration results for this
, 0	• The use of twinned holes.	Twin holes have not been	drilled in these areas.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Sunstone sampling data vusing Excel.	were imported and validated
	Discuss any adjustment to assay data.	Assay data were not adju assigned assay values of z	
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 lo samples measured along t	ocated by GPS and for trench the length of the trench.
	Specification of the grid system used.	Ecuador projection parar	neters:
		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 we published maps and satelling good quality.	as compared against te imagery and found to be
Data spacing and distribution	Data spacing for reporting of Exploration Results.	The drill core samples wer diamond drill hole from the sample length generally raise.	e Espiritu target, and with
	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 sample resource estimate nor impl	
	Whether sample compositing has been applied.	No sample compositing w	vas 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.	Trench orientations and reappropriate for the interpresentative samples.	ding representative samples. ock chip locations were reted geology providing
	• 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.	No sampling bias is expection been no historical drilling	



Criteria	JORC Code explanation	Commentary
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.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	 Sunstone's (and previously 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 Sunstone Metals Ltd. 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 now a subsidiary of Sunstone Metals Ltd. The Bramaderos Concession is subject to a Joint Venture between Sunstone Metals and Cornerstone. Sunstone has an 87.5% interest in the JV.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	 The historic exploration at Bramaderos 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). No significant historical exploration has been undertaken in the Espiritu target area.
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 epithermal gold-silver-polymetallic veins. The setting at Espiritu is a volcanic arc setting of Cretaceous age intrusions.



- ASX ANNOUNCEMENT -

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. See Figures 1-3 for the location of soil sampling, drilling, and trenching activities at Espiritu, and nearby areas.
	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.	 Weighted averages were calculated over reported intervals according to sample length. 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 aggregating of intervals undertaken at this stage.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Metal equivalents are not presented.
Relationship between mineralisation widths and intercept lengths	 If the geometry of the mineralisation with respect to the drill-hole angle is known, its nature should be reported. 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'). 	 Figures 1-3 shows the interpreted strike orientation of the mineralised lodes based on mapping and interpretation of detailed magnetic data. True widths of mineralised lodes are not known at this stage.
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 1-3 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 1-3 above show the current interpretations of geology.
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 1-3 above show various datasets that are being used to identify target areas and to guide current and future drilling.
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 Figures 1-3 which show areas for further exploration.



- ASX ANNOUNCEMENT -