

BBX Minerals Ltd

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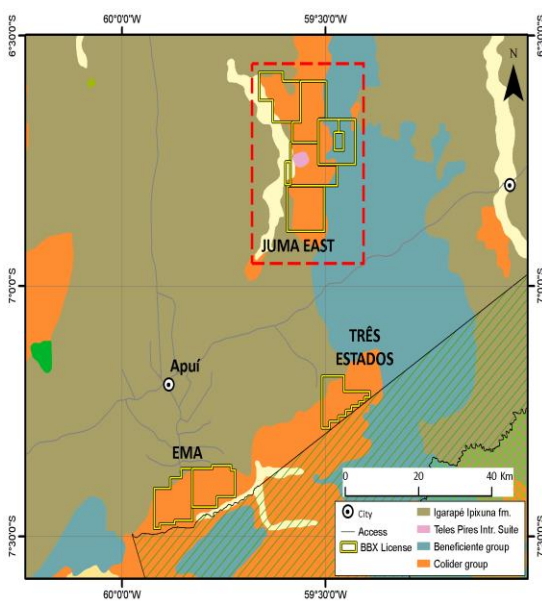
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Brazil Projects:

Juma East gold- silver- copper
Ema gold
Tres Estados gold-copper
Eldorado Do Juma: gold



ASX MEDIA RELEASE 21TH SEPTEMBER, 2016

EXPLORATION UPDATE, JUMA EAST

- Ongoing testwork continues to unlock exceptional gold grades from hole JED 006 at Guida, Juma East
- Following pre-treatment, 51.59 g/t Au was obtained by fire assay over the bottom 49.44m interval
- 4.0m @107.11 g/t and 4.2m @37.37 g/t Au obtained from within the above interval
- A 1.2km open-ended gold in soil anomaly outlined at the Três Estados prospect
- BBX strengthens landholdings in the exciting Juma region.

BBX Minerals (ASX: BBX) is pleased to announce that ongoing test work has continued to further unlock exceptional high grade gold values from the lower portion of hole JED 006.

An additional fire assay result of **51.59g/t** Au (mean of two assays from the same sample) following oxi8B pre-treatment was obtained from the 49.44m composite from the bottom of JED 006 (see table 1). Twelve composite samples of approximately 4m in length comprising the above 49.44m interval were analysed by oxi8b/fire assay, returning two highly significant results of 4.0m @ **107.11g/t** from 258m and 4.2m @ **37.37g/t** from 277.8m (table 1).

In addition, results were received for neutron activation (NA) analysis of two samples from the JED 006 49.44m composite, submitted to ALS laboratories in Canada. Analysis of an untreated sample failed to produce significant precious metal values whilst NA results for a sample treated by the JMA irradiation technique (see media release of September 2, 2016) yielded 13.00 g/t Au, 5.90 g/t Pt and 5.30 g/t Pd. Samples pre-treated by the oxi8b method have yet to be analysed by NA.

Although results continue to be inconsistent, including negative results for a repeat test on the 49.44m composite and for a number of the 4m (approximate) composites (table 1), it is the company's belief that the erratic nature of the results obtained to date is principally a function of the effectiveness of the pre-treatment method in consistently unlocking precious metals. The homogeneous nature of the geology and intensity and style of alteration within the lower portion of JED 006 reinforces the belief that gold is likely to be distributed relatively evenly throughout this 49.44m interval. The company is continuing to refine the methodology to ensure that the levels of all precious metals present in the Juma East mineralisation can be measured on a reliable basis.

All quoted grades for oxi8B are as received from the Intertek laboratory, without correction for the dilution effect of approximately 22% resulting from the addition of reagents in the pre-treatment step. True grades of the original samples are therefore approximately 22% higher than those quoted in this announcement.

From (m)	To (m)	Width (m)	Fire assay (g/t)		Mean (g/t)
250.00	299.44	49.44	61.34	41.83	51.59
250.00	299.44	49.44	<0.01	<0.01	<0.01
250.00	253.78	3.78	<0.01		
253.78	258.00	4.22	0.48		
258.00	262.00	4.00	107.11		
262.00	266.70	4.70	<0.01		
266.70	270.00	4.60	0.32		
270.00	274.00	4.00	0.46		
274.00	277.80	3.80	<0.01		
277.80	282.00	4.20	37.37		
282.00	286.00	4.00	0.16		
286.00	289.95	3.95	<0.01		
289.95	294.00	4.05	<0.01		
294.00	299.44	5.44	<0.01		

Table 1. Oxi8b/fire assay results for JED-006, 250m – 299.44m (note: samples not analysed for PGM's).

Guida target

The Guida target occurs within the 10km-long Guida-Boia Velha structural trend containing extensive old gold workings where gold nuggets were reportedly recovered from the saprolite/fresh rock interface. The trend is defined by a low magnetic corridor interpreted as a magnetite-destructive zone and by a strong alkalic soil geochemical

signature. Extensive silica textures typical of low sulphidation epithermal systems have been mapped and described in drill core.

Tres Estados Prospect

Results have been received for a 200m x 40m soil sampling programme covering a small portion (5.8%) of the Tres Estados prospect, 60km east of Apui. A well-defined 1.2km long anomaly was defined, open to the NE, along a prominent 7km NE-SW trend defined by airborne magnetics (see fig. 1). Anomalous gold and artisanal gold workings are closely associated with a suite of altered mafic intrusives and volcanics (see fig. 2).

Soil sampling will be extended at both the Tres Estados and Ema prospects (see media release of September 2, 2016) to define targets for drill testing.

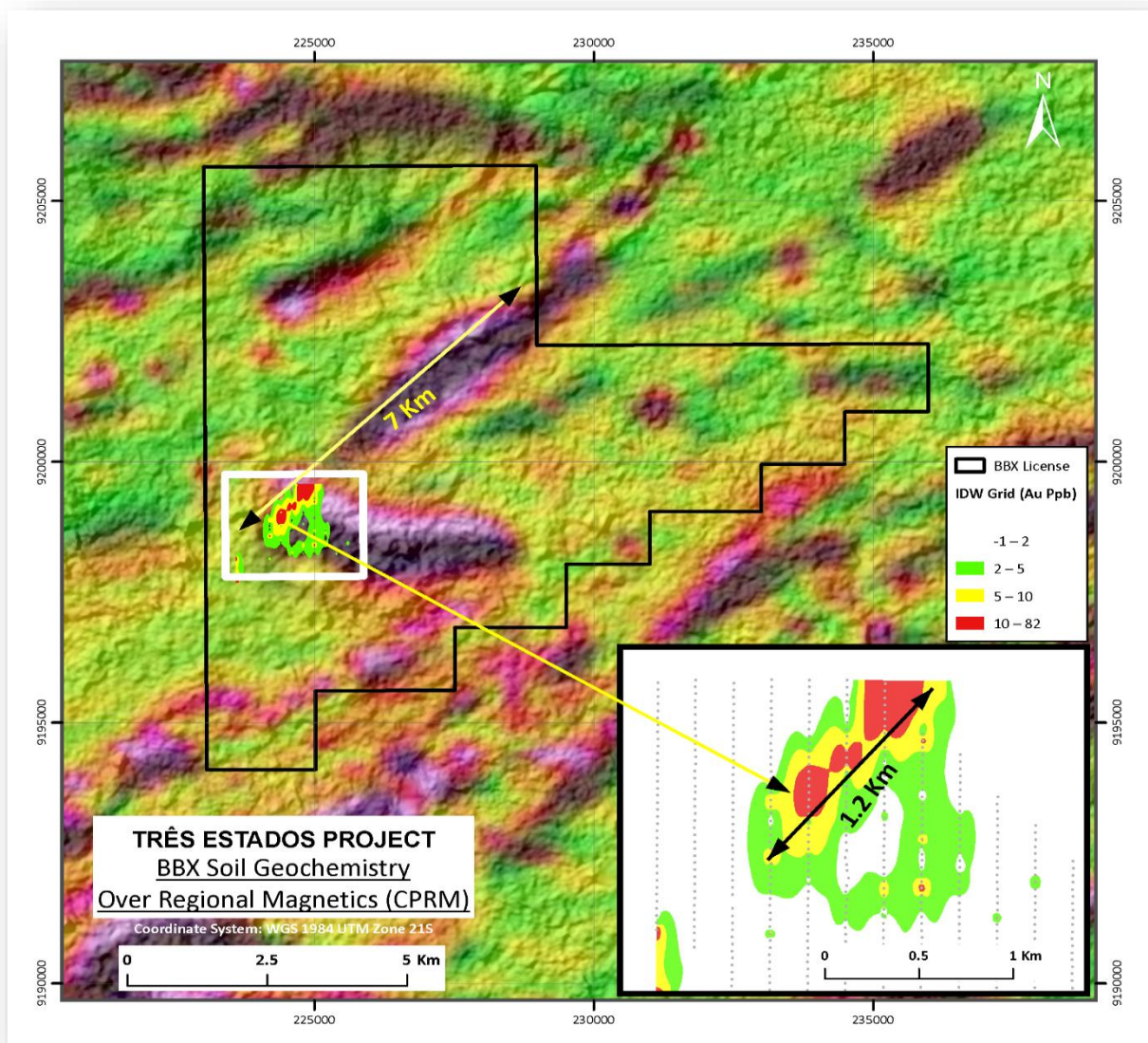


Fig. 1. Três Estados gold in soil grid (inverse distance weighting) and regional magnetics

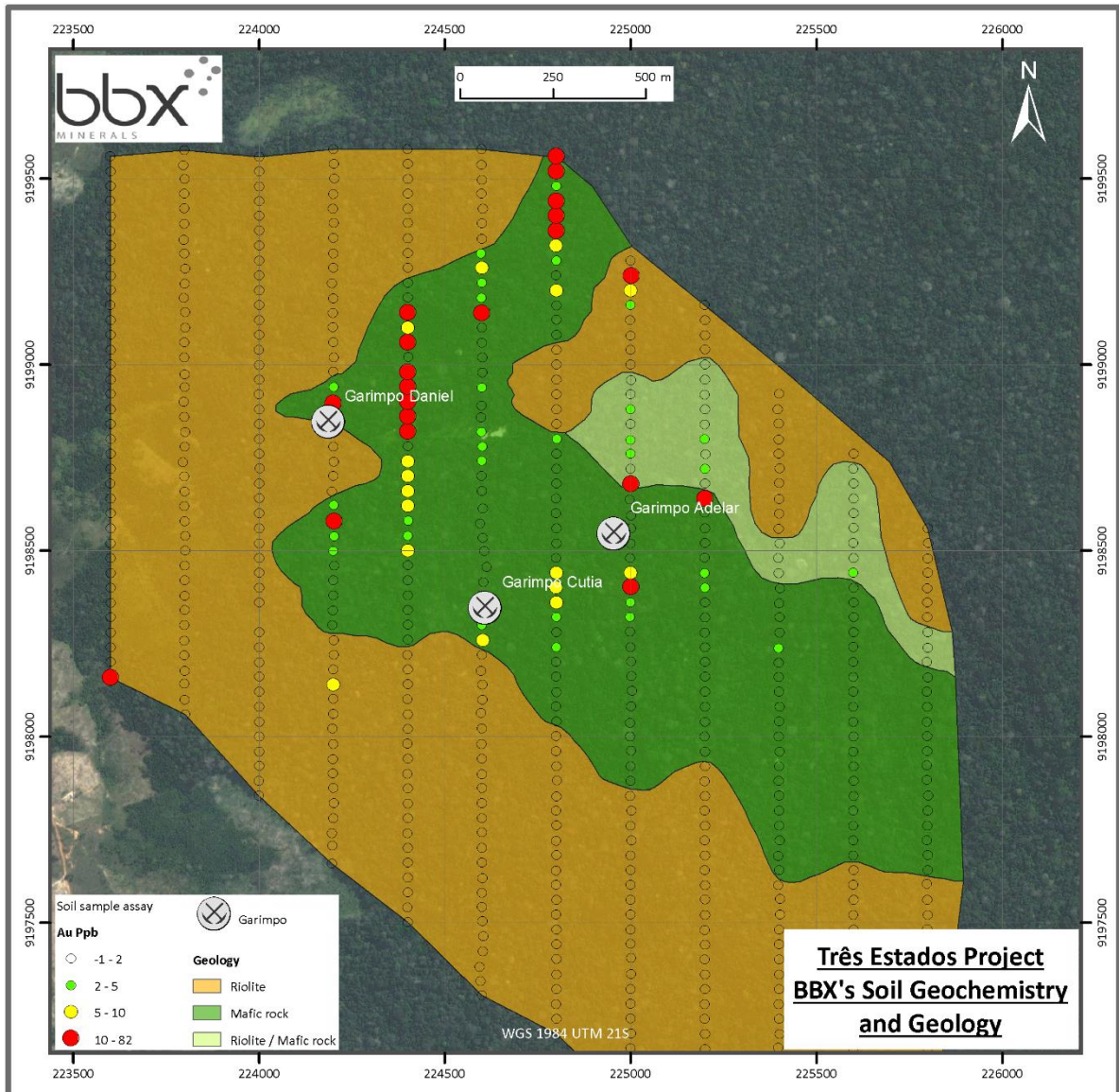


Fig. 2. Três Estados soil geochemistry and geology

Licensing update

BBX is pleased to announce that the DNPM (Mines Dept) has published the results of a bid process conducted in relation to two previously relinquished tenements east of Juma East totalling 9998 ha and one 9034 ha tenement east of Ema (see fig. 3 and table 2). BBX has been declared the winner of both bids, adding significantly to BBX's ground holdings over the most favourable geological terrain in the underexplored Apui region.

In addition, the DNPM has granted a 3-year extension to the four exploration permits currently held at Juma East.

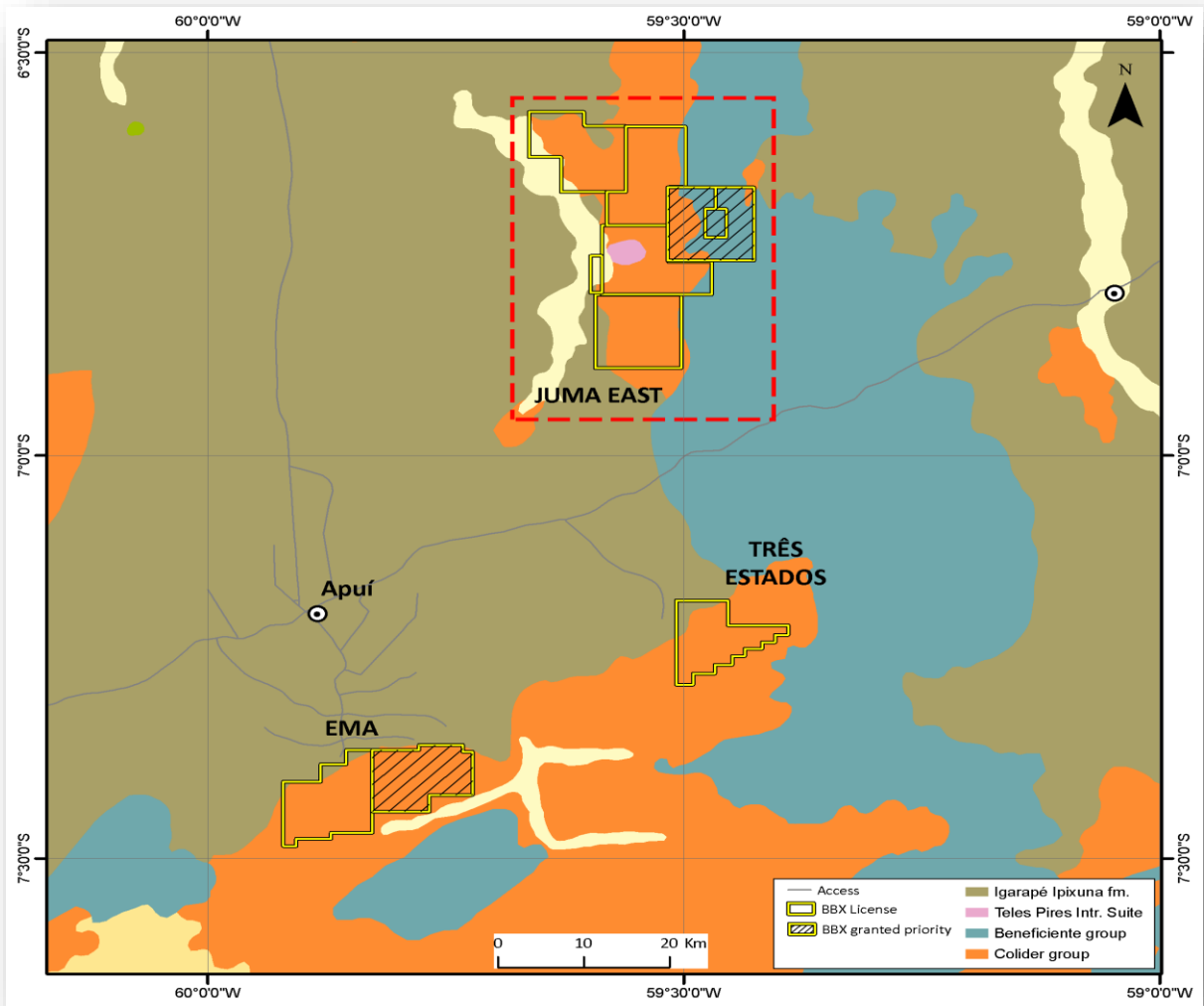


Fig. 3. BBX tenement map showing additional tenements subject of a successful bid (hachured).

Process	Area (ha)	Project	Status
880.115/08	9,493	JUMA EAST	Licence Extension Granted (3 years)
880.116/08	10,000	JUMA EAST	Licence Extension Granted (3 years)
880.117/08	9,642	JUMA EAST	Licence Extension Granted (3 years)
880.129/08	9,307	JUMA EAST	Licence Extension Granted (3 years)
880.151/14	662	JUMA EAST	Application for Exploration Licence
880.437/10	980	JUMA EAST	Successful bid (up to 6 years)
880.236/11	9,018	JUMA EAST	Successful bid (up to 6 years)
880.107/08	9.839.91	EMA	Exploration Licence (up to 5 years)
880.096/08	9,034	EMA	Successful bid (up to 6 years)
880.090/08	8,172.25	TRES ESTADOS	Exploration Licence (up to 5 years)

Table 2. Updated BBX tenement status

Jeff McKenzie

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Competent Person Statement

The information in this report that relates to copper and gold style mineralization for the Apuí region in Brazil, is based on, and fairly represents, information compiled by Mr. Antonio de Castro, BSc (Hons), MAusIMM, CREA, who is a Member of the Australasian Institute of Mining and Metallurgy. He has sufficient experience which is relevant to the style of mineralization 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 Joint Ore Reserves Committee (JORC) "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves", Mr. Castro is a BBX's Consulting Geologist and consents to the report being issued in the form and context in which it appears.

CREA/RJ:02526-6D

AusIMM:230624

About BBX Minerals Ltd

BBX Minerals Limited (ASX: BBX) is a mineral exploration and mining company listed on the Australian Securities Exchange. Its major focus is Brazil, mainly in the southern Amazon, a region BBX believes is vastly underexplored with high potential for the discovery of world class gold and copper deposits.

BBX's key asset is the Juma East Gold Project in the Apuí region, Amazonas State. . The company has 58.1 km² of exploration tenements within the Colider Group, a prospective geological environment for epithermal gold and Cu-Au porphyry deposits. The region, located adjacent to the prolific Tapajos Mineral Province which has produced around 30 million ounces of gold from near-surface workings, is under-explored and could provide BBX with a pipeline of high growth, greenfields gold discoveries.

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

TABLE 1 – Section 1: Sampling Techniques and Data

Criteria	JORC Code Explanation	Commentary
Sampling Techniques	<ul style="list-style-type: none"> 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 down hole, gamma sondes, or handheld XRF instruments etc). These examples should not be taken as limiting the broad meaning of sampling. 	<ul style="list-style-type: none"> The announcement refers to metallurgical testwork conducted on bulk sample rejects and drill core samples
	<ul style="list-style-type: none"> Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	<ul style="list-style-type: none"> The drill hole locations were determined by hand-held GPS, core lengths were verified against core recovery and measured with hand held metric tape. Drill core was logged noting lithology, alteration, mineralization, structure. Sampling protocols and QA/QC are as per industry best-practice.
	<ul style="list-style-type: none"> 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 1m samples from which 3kg was pulverised to produce a 30g 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. 	<ul style="list-style-type: none"> The drill core was cut longitudinally and sampled only the right side of the half core, “blind sampling”, disregarding any visual mineralisation and bagged as 1 to 2 metre samples.
Criteria	JORC Code Explanation	Commentary
Drilling Techniques	<ul style="list-style-type: none"> Drill types (e.g. core, reverse circulation, open hole hammer, rotary air blast, auger, Bangka, sonic etc) and details (e.g. core diameter, triple or standard tube, 	<ul style="list-style-type: none"> Wireline diamond core drilling with a standard tube was used. Core diameter is NTW (57.1 mm diameter). The hole

	depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so by what method etc).	angle was oriented as per industry best practice and core was not oriented.
Drill Sample Recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assayed. 	<ul style="list-style-type: none"> Core barrel length was compared with the core length for each individual drilling run. No significant core loss was experienced.
	<ul style="list-style-type: none"> Measures taken to maximise sample recovery and ensure representative nature of the samples. 	<ul style="list-style-type: none"> No significant core loss was experienced.
	<ul style="list-style-type: none"> Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine /course material. 	<ul style="list-style-type: none"> Not applicable – refer above. With no sample loss no bias, based on sample loss, would occur.
Logging	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> On-site geologist(s) logs lithology, alteration, mineralisation and structure, including RQD. Core recoveries are noted.
	<ul style="list-style-type: none"> Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. 	<ul style="list-style-type: none"> Core logging is both qualitative and quantitative. Each box with 3 m of core is photographed dry and wet.
	<ul style="list-style-type: none"> The total length and percentages of the relevant intersections logged. 	<ul style="list-style-type: none"> 100% of the core was logged.
Sub- Sampling Techniques and Sampling Procedures	<ul style="list-style-type: none"> If core, whether cut or sawn and whether quarter, half or all core taken. 	<ul style="list-style-type: none"> Core was sawn in half. The right side was bagged and labelled, the remaining half was returned to the core tray.
	<ul style="list-style-type: none"> If non-core, whether riffled, tube sampled, rotary split etc and whether sample wet or dry. 	<ul style="list-style-type: none"> Not applicable – all samples subject of this announcement were core samples.
	<ul style="list-style-type: none"> For all sample types, the nature, quality and appropriateness of the sample preparation technique. 	<ul style="list-style-type: none"> Core sampling followed industry best practice.
	<ul style="list-style-type: none"> Quality control procedures adopted for all sub – sampling stages to maximise “representivity” of samples. 	<ul style="list-style-type: none"> Results reported in this announcement refer to testwork on composite

		pulverised drill core samples, without sub-sampling
	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> The core sawing orientation was such that (apparent) mineralization was equally represented in both halves of the core. Sample intervals are fixed to whole-number down-hole intervals and collected at a minimum of 1 metre and a maximum of 2 metre intervals. Sampling is not subject to visible signs of mineralisation.
	<ul style="list-style-type: none"> Whether sample sizes are appropriate to the grain size of the material being sampled. 	<ul style="list-style-type: none"> The sample sizes are considered adequate in terms of the nature and distribution of apparent mineralisation in the core.
Quality of Assay Data and Laboratory Tests	<ul style="list-style-type: none"> The nature quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 	<ul style="list-style-type: none"> Due to difficulties experienced with conventional analytical techniques a pre-treatment prior to fire assay is considered appropriate for this type of mineralisation. As this methodology is still in the development phase it may represent only a partial recovery method for gold and other precious metals.
	<ul style="list-style-type: none"> For geophysical tools, spectrometers, hand held XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation etc. 	<ul style="list-style-type: none"> No geophysical tools or electronic device was used in the generation of sample results
	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> .Standards (both pre-treated and untreated), blanks and duplicates were included in the testwork batches and the soil sampling referred to in the announcement. Acceptable levels of accuracy were obtained, including the dilution effect resulting from pre-treatment.
	<ul style="list-style-type: none"> The verification of significant intersections by either 	<ul style="list-style-type: none"> No significant intersections were calculated

Verification of Sampling and Assaying	independent or alternative company personnel.	
	<ul style="list-style-type: none"> The use of twinned holes 	<ul style="list-style-type: none"> No twinning of holes has been conducted
	<ul style="list-style-type: none"> Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. 	<ul style="list-style-type: none"> Primary assay data is supplied to the company from the laboratory in two forms: Microsoft Excel spreadsheet and PDF form (the latter serving as a certificate of authenticity). Both formats are captured on company desktops/laptops which are backed up from time to time. Only after critical assessment and public release of data (if appropriate), is the data entered directly into the BBX Microsoft Access database by company GIS personnel.
	<ul style="list-style-type: none"> Discuss any adjustment to assays 	<ul style="list-style-type: none"> No adjustments were made.
Location of Data Points	<ul style="list-style-type: none"> Accuracy and quality of surveys used to locate drill holes (collar and down hole surveys), trenches, mine workings and other locations used in Mine Resource estimation 	<ul style="list-style-type: none"> Drill hole location has been determined using a hand-held GPS (Garmin).
	<ul style="list-style-type: none"> Specification of grid system used 	<ul style="list-style-type: none"> WSG84Z21.
	<ul style="list-style-type: none"> Quality and adequacy of topographic control. 	<ul style="list-style-type: none"> Topographic control is achieved via the use of government topographic maps, in association with GPS and Digital Terrain Maps (DTM's), the latter generated during an earlier detailed airborne geophysical survey.
Data Spacing and Distribution	<ul style="list-style-type: none"> Data spacing for reporting of Exploration results. 	<ul style="list-style-type: none"> The holes subject of laboratory test result reporting in this announcement were logged on a continual basis (sub-10cm data capture). Samples were collected in 1 to 2 metre intervals. Spacing (distance) between data sets with respect to geology and assays is in line with industry best practise.
	<ul style="list-style-type: none"> Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore 	<ul style="list-style-type: none"> No representations of extensions, extrapolations or otherwise continuity of grade are made in this announcement.

	Reserve estimation procedure(s) and classification applied.	
	<ul style="list-style-type: none"> • Whether sample compositing has been applied. 	<ul style="list-style-type: none"> • Sample compositing was not applied.
Orientation of Data in relation to Geological Structure	<ul style="list-style-type: none"> • Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which is known, considering the deposit type. 	<ul style="list-style-type: none"> • Sample orientation of the core is linear and thus directly related to hole orientation. Therefore, refer to the sub-section immediately below.
	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • The geometry of mineralised zones is currently unknown; the relationship between down-hole lengths and true thicknesses is therefore uncertain.
Sample security	<ul style="list-style-type: none"> • The measures taken to ensure sample security. 	<ul style="list-style-type: none"> • All samples were sealed with a numbered cable tie in strong high density plastic bags by the on-site geologist and transported in a company vehicle from Apui-AM to Intertek's preparation laboratory in Paraopebas-PA. Upon receipt at the laboratory, samples were checked in and the list of received samples immediately sent back to the company's database administrator. Sealed prepared samples were subsequently air-freighted to the company's office in Rio de Janeiro and personally delivered by the company's Exploration Manager. to the Nomos laboratory for pre-treatment. The samples were then sealed and return couriered to the Intertek laboratory for fire-assay.
Audit or Reviews	<ul style="list-style-type: none"> • The results of any audits or reviews of sampling techniques and data. 	<ul style="list-style-type: none"> • No audits or external reviews of techniques have been conducted.

Section 2: Reporting of Exploration Results

Criteria	JORC Code Explanation	Commentary
Mineral Tenement and Land Tenure Status	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Juma East Exploration leases are 100% owned by BBX, agreement details were presented in previous press releases, all four leases have no issues in respect to native title interests, historical sites, wilderness or national park and environmental settings.
	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> The company is not aware of any impediment to obtain a licence to operate in the area
Exploration done by Other Parties	<ul style="list-style-type: none"> Acknowledgment and appraisal of exploration by other parties 	<ul style="list-style-type: none"> No exploration by other parties has been conducted in the region
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation 	<ul style="list-style-type: none"> The geological setting of the area subject to drilling (and reported in this announcement) is that of Proterozoic volcanic rocks, with potential to host high sulphidation and/or low sulphidation gold mineralisation, Au-Cu porphyry mineralization and/or IOCG deposits.

Drill Hole Information	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ Easting and northing of the drill hole collar ○ Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar. ○ Dip and azimuth of the hole ○ Down hole length and interception depth ○ Hole length 	<ul style="list-style-type: none"> • Coordinates and hole orientation of JED-004 has been reported in previous media reports.
	<ul style="list-style-type: none"> • If the exclusion of this information is justified on the basis that the information is not Material and that this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. 	<ul style="list-style-type: none"> • No exclusion of information has occurred.
Data aggregation methods	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • The result reported in this announcement refers to a single bulk sample generated by combining pulverised drill core samples on a weighted average basis.
Data aggregation methods	<ul style="list-style-type: none"> • 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 shown in detail. 	<ul style="list-style-type: none"> • Not applicable – results reported refer to a single bulk sample. Follow-up testwork is being conducted to establish grades of shorter intervals within this broad intercept.
Data aggregation methods	<ul style="list-style-type: none"> • The assumptions used for any reporting of metal equivalent values should be clearly stated. 	<ul style="list-style-type: none"> • Not applicable – no equivalents were used in this announcement.

<p>Relationship between mineralization widths and intercepted lengths</p>	<ul style="list-style-type: none"> • These relationships are particularly important in reporting of Exploration Results. • If the geometry of the mineralization 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'). 	<ul style="list-style-type: none"> • Wherever mineralisation is reported in this announcement, clear reference is made to down-hole length. At this stage, the relationship between the geometry of potential mineralisation and the drill hole is not known.
<p>Diagrams</p>	<ul style="list-style-type: none"> • Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not limited to plan view of drill hole collar locations and appropriate sectional views. 	<ul style="list-style-type: none"> • A plan and cross-section showing hole locations with coordinates and have been provided in previous media releases.
<p>Balanced reporting</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • The Company believes the ASX announcement provides a balanced report of the results of laboratory tests conducted on hole JED-006.
<p>Other substantive exploration data</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Airborne geophysical results and ground IP results were presented in previous announcements and are not referred to in this announcement.
<p>Further Work</p>	<ul style="list-style-type: none"> • The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large- scale step-out drilling) 	<ul style="list-style-type: none"> • Comments on the ongoing exploration programme are presented.
	<ul style="list-style-type: none"> • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	<ul style="list-style-type: none"> • The geological map with the drill hole programme has been presented in previous announcements..