

# ASX MEDIA RELEASE 31 OCTOBER 2014

# ACTIVITY REPORT FOR THE QUARTER 1 JULY 2014 TO 30 SEPTEMBER 2014

Activities for **BBX Minerals Limited (ASX Code: BBX)** during the quarter continued to focus, through its wholly owned subsidiary Mineracao BBX do Brasil Ltda(**BBX Brazil**), on progressing exploration of its Juma East project, and on finalizing the sale of the Eldorado do Juma project

#### JUMA EAST PROJECT.

BBX announced on 3 September the latest results from the exploration programme conducted at the Juma East Gold Project.

BBX is conducting a systematic exploration programme at its Juma East project, which is targeting epithermal and porphyry Au-Cu deposits, currently at regional scale focused on the documented old workings, but additional targets are expected to be defined by the airborne geophysical survey.

#### 1. Guida/Plato targets

Assay results for soil sampling conducted over the Plato target, along strike from the Guida target, extended the zone with geochemical signatures typical of large epithermal and/or porphyry gold deposits to 3.2 km oriented N60W by about 1 km in width, coincident with a magnetic high and structurally controlled by N60W and N10-30E fault systems.

The geological/geochemical/geophysical data collected to date indicate the presence of at least three different geological events superimposed at Guida/Plato, each with its own geochemical signatures.

The N60W and N10-30E fault systems have been active in this region from the Proterozoic to Mesozoic, creating channelways for mineralizing fluids related to specific igneous events in the Proterozoic (Colider Group volcanism) and Mesozoic (Cururu diabase, 177Ma).

Therefore, the extensive silica texture present from Guida to Aço, indicative of boiling in an epithermal gold system is interpreted to be of Proterozoic age, as well as the "silica gris", a black silica present in thin veinlets from Guida to Aço, containing fine grained magnetite. These veinlets, which show a close association with alluvial and colluvial gold are commonly indicative of buried Au-Cu porphyry

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deposits. The magnetite present at Plato, closely associated with vanadium, chromium and titanium is interpreted to be related to a magmatic event during the Mesozoic, based on the 177Ma age of the Cururu diabase outcropping in the nearby Sucunduri River.

This association is evident in grab sample GUR0025 (216803E/9261782N – 178m RL – WSG 84) which also displays the element association reflecting the interpreted Proterozoic hydrothermal event (see table below).

GUR0025	Fe	٧	Cr	Ti	As	Ag	Mo	Ga	Hg	Pb	Sb	Sc	Bi	Al	Th
AQ202	%	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM
	24.98	935	134	0.042	20.2	0.2	4.5	13	0.35	25.3	0.7	11.8	0.8	1.43	14.4

The above 15 elements (Fe, V, Cr, Ti, As, Ag, Mo, Ga, Hg, Pb, Sb, Sc, Bi, Al and Th), plotted in maps 1 to 15 (appendix-group 1) show elevated values which define a zone of 3.2 km by 1.0 km; this same zone is also anomalous in a set of another 11 elements (P, U, Zn, Cu, Se, Nb, Zr, Hf, In, Sn, Te) plotted in maps 16 to 26 (appendix-group 2) not detected in the ferruginous grab sample GUR025.

16 other elements plotted in maps 27 to 42 (appendix-group 3) show no clear relationship with this zone and/or are clearly depleted in some cases.

The contours in the soil maps attached were automatically generated using the geostatistical tool of ArcGIS, applying inverse distance weighting, using the geometrical intervals to define 5 classes. This methodology was applied independently to the Guida soil concentrate results and to the Plato regular soil results.

# 2. Aço target

The soil sampling at Aço target was conducted on five 400m-spaced lines sampled at 80m intervals. A total of 220 soils samples, 22 chip and grab samples and 11 channel samples was collected and submitted for analysis. Results are expected by the end of September.

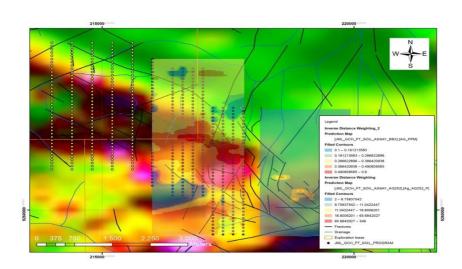


Figure 1 – Soil samples location at Aço target, along strike from Plato.



Similar rocks to Guida occur at the Aço target with intense sericitisation and banding resulting from shearing oriented N60-70W. Black silica ("silica gris") veinlets are common, parallel to the foliation and in stockworks, mainly in the areas where intense rudimentary gold mining has been carried out in the alluvials. The gold present is mainly coarse (photos 1-4), similar to the gold mined at Guida.



Photos 1-4 – Panned gold in alluvial old workings at Aço target

## 3. Work Programme

Mapping and soil sampling is currently being conducted over the Pepita and Pintado targets, on six 400m-spaced lines sampled every 80m, on each target (figure 2).



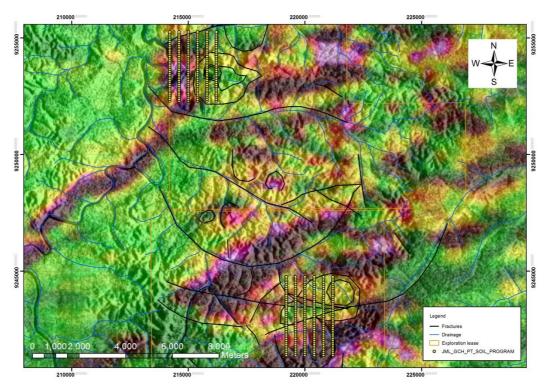


Figure 2 – Soil sampling program at Pepita and Pintado targets.

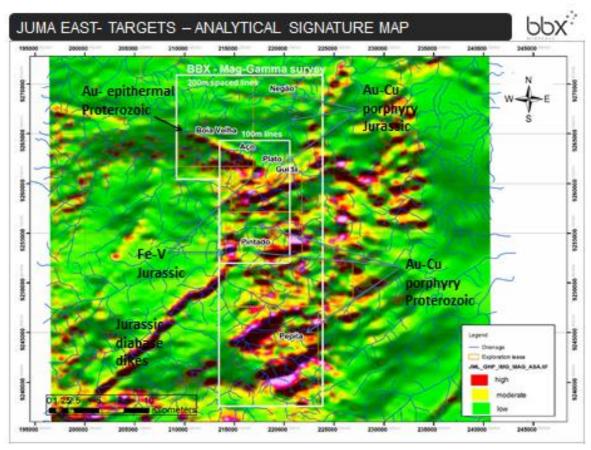
## AIRBORNE MAGNETIC AND GAMMA SURVEY

CGG Airborne initiated the airborne magnetic and radiometric geophysical survey over the Juma East tenement block on 29th August. It is anticipated that the survey will be completed in 15 days and the final results received by 15th October.

Reconsult, a São Paulo-based consultancy specialising in processing and interpreting geophysical data has being engaged to support BBX's geological team on the geophysical/geological/geochemical data integration to define drilling targets at Juma East.

The survey is being conducted on 200m line spacing with the exception of the area covering the Pintado magnetic anomaly, the Guida/Plato/Aço targets and the low magnetic circular feature to the east, which will be infilled at 100m spacing. The magnetic anomalies are interpreted as being related to the Jurassic magmatic event in the Alto Tapajós sedimentary basin whilst the magnetic low is associated with a Proterozoic granitic body. Gold was recovered by garimpeiros in the 1990's from the top of a lateritic hill at the contact of these two zones.





Map A – CPRM's Analytical Signature + 1<sup>st</sup> Vertical Derivative aeromagnetic map, 500m-spaced line survey with BBX airborne survey program and potential for Au-Ag, Au-Cu and Fe-V mineralisation styles at Juma East.

#### **ELDORADO DO JUMA**

BBX announced on 1 September via its 100% owned subsidiary Mineracao BBX do Brasil Ltda, that it has signed a conditional sales and purchase agreement with ARNALDO Villar Da Silva (ARNALDO), whereby BBX do Brasil will sell its 100% interest in MINORTE Extracao de Minerio Ltda (MINORTE) for R\$1,500,000 (approximately A\$717,000 assuming a conversion rate of approximately 2.09 Brazilian Reals (R\$) to the Australian dollar (AUD)).

Under the agreement BBX has negotiated the following terms:

The due diligence period is 30 days, which will commence from the date of the agreement. The due diligence period may be extended by mutual agreement.

On publication in the "official gazette" of the assignment of mining rights of either DNPM No 880.070/2007 or 880.152/2012 to Comin Gold S.A, (75% owned by MINORTE Extracao de Minerio Ltda and 25% owned by COOPERATIVA Extrativista Familiar Do Rio Juma) the following payments are due:



Tranche 1 R\$500,000 (approximately A\$239,000) 5 business days after publication of the assignment of either mineral right.

Tranche 2 R\$500,000 (approximately A\$239,000) 3 months after payment of tranche 1.

Tranche 3 R\$500,000 (approximately A\$239,000) 6 months after payment of tranche 1.

5% of each payment received by BBX being R\$25,000 ( R\$75,000 in total) will be paid to FFA Legal Ltd, Av. Jornalista Ricardo Marinho, n° 360, sala 113, Barra da Tijuca, Rio de Janeiro, under a separate success fee agreement.

On transfer of BBX's 100% interest in MINORTE, ARNALDO will assume all MINORTE's contractual obligations with COOPERATIVA Extrativista Familiar do Rio Juma dated 18 July 2012, and BBX's contractual obligations with the former shareholders of MINORTE.

Under the sale and purchase agreement between BBX Minerals Ltd and the former shareholders of MINORTE Extracao de Minerio Ltda dated 23 July 2012, 6 (six) million shares were to be issued by BBX as partial payment for acquiring 100% of MINORTE. Under the terms of this agreement 6 (six) million shares will be issued within 30 days after BBX receives the tranche 1 payment and will be escrowed for 6 months from issuance date.

BBX will seek shareholder approval to issue the shares in excess of the capacity it has available to it under listing rule 7.1 and or 7.1A, or will seek shareholder approval to issue the shares at its AGM expected to be held in November, 2014.

#### CHAPADA SALE

On 21 July BBX announced that its 100% owned subsidiary Mineracao BBX do Brasil Ltda, has received R\$1,000,000 (approximately AUD 471,698) due from ENGEGOLD Mineracao Ltda (ENGEGOLD) under the advance payment agreement announced on 7 April 2014.

## **TENEMENTS**

All Tenements owned by BBX Minerals Ltd	Percentage ownership
DNPM Permit Number 7124/2013 -	100%
880.115/2008	
Location Brazil (Juma East)	
DNPM Permit Number 7125/2013 -	100%
880.116/2008	
Location Brazil (Juma East)	
DNPM Permit Number 7126/2013 -	100%
880.117/2008	
Location Brazil (Juma East)	



	MINERALS
DNPM Permit Number 7127/2013 -	100%
880.129/2008	
Location Brazil (Juma East)	

All Tenements Acquired during the quarter	Percentage ownership Acquired during the		
by BBX Minerals Ltd	Quarter under the option agreement.		
DNPM Permit Number	100%		
880.084/2014 (Under application)			
Location Brazil (Pombos)			
DNPM Permit Number	100%		
880.094/2014 (Under application)			
Location Brazil (Pombos)			
DNPM Permit Number	100%		
880.086/2014 (Under application)			
Location Brazil (Pombos)			
DNPM Permit Number	100%		
880.087/2014 (Under application)			
Location Brazil (Pombos)			
DNPM Permit Number	100%		
880.088/2014 (Under application)			
Location Brazil (Pombos)			

All Tenements Optioned by BBX Minerals Ltd	Percentage ownership on excise of option agreements.
DNPM Number 880.070/2007 Location Brazil	75%
DNPM Number 880.152/2012 Location Brazil ( Under application)	75%
DNPM Permit Number 880.037/2012 – (Under application) Location Brazil (Juma West)	100%

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The information in this report relates to exploration results is based on, and fairly represents, information and supporting documentation prepared by Mr. Antonio de Castro who is a Member of the Australasian Institute of Mining and Metallurgy. BBX's Consulting Geologist Mr. Castro has sufficient experience which is relevant to the style of mineralization and the 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 consents to the inclusion in the report of the matters based on his information.