

# JULY 2014 QUARTERLY ACTIVITIES REPORT

#### **HIGHLIGHTS**

#### STAGE 1 – ANTAS NORTH

➤ Completion of infill drilling at the Antas Copper deposit¹ achieved the higher level of confidence associated with the Measured Category. The new Antas Resource is as follows:

ANTAS N	NORTH – S	ULPHIDE JOF	RC Repor	ted Mine	ral Resou	rces. April	2014
Classification	Туре	Economic Cut-Off Cu%	Tonnes (Mt)	Copper (%)	Gold (g/t)	Copper Metal (T)	Gold (Oz)
Measured	PRIMARY	0.90	2.48	3.26	0.71	80,724	56,751
Indicated	PRIMARY	0.90	1.62	2.22	0.42	36,002	21,884
MEASU	RED + IND	ICATED	4.10	2.85	0.60	117,000	79,000
Inferred	PRIMARY	0.90	1.90	1.59	0.23	30,184	14,085
	TOTAL		6.00	2.45	0.48	147,000	93,000

- > The generation of JORC Reported Proven/Probable Reserves and the preparation of a Life of Mine Schedule is very advanced, completion is estimated for Quarter three
- > Engineering is progressing with all major plant equipment secured with binding purchase/delivery agreements amounting to ~US\$6.0M
- ➤ The Company executed a binding agreement with BlackRock World Mining Trust PLC (BlackRock) for US\$12m of production royalty investment²
- ➤ Following Banco Votorantim's approval of a (non-binding) term sheet for US\$30m of debt³ they are well advanced in the syndication process for remaining US\$28m. The drawdown of senior debt is a critical project milestone
- > Environmental approvals necessary for issue of the Mining License have been granted with receipt of the aforementioned anticipated for Quarter three

#### **GENERAL**

- ➤ A \$23M placement was made to BlackRock and Appian Natural Resources with both funds establishing themselves as substantial shareholders
- > Exploration has identified four priority drill targets, drilling will likely resume during Quarter three
- ➤ Mr Colin Jones was appointed Non-Executive Chairman of the Company

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Tony Polglase
Simon Mottram
Wayne Phillips
Scott Funston
Luis Azevedo
Matthew Wood
Jailson Araujo
Antonio Madalosso

ASX Symbol: AVB



### STAGE 1 – (ANTAS DEPOSIT)

#### RESROUCE UPGRADE

The table below shows the complete JORC (2012) Reported Mineral Resource for Oxides and Sulphides<sup>4</sup>:

ANTAS NORTH -Total JORC Reported Mineral Resource. April 2014 Reported above a Cut-off Grade of 0.9% Cu												
Classification Tonnes (Mt) Copper (%) Gold (g/t) Copper Metal (T) Gold (Oz)												
Measured	2.83	3.01	0.72	85,079	65,578							
Indicated	1.65	2.20	0.42	36,365	22,058							
Inferred	1.90	1.59	0.23	30,242	14,122							
TOTAL	TOTAL 6.38 2.38 0.50 152,000 102,000											

Inclusion of the Oxide component in the above increases the Total Mineral Resource to ~6.4 million tonnes. However, mining of oxides falls outside of current interest, with focus on the Sulphide only Mineral Resource which is illustrated below:

ANTAS N	NORTH – S	ULPHIDE JOF	RC Repor	ted Mine	ral Resoui	ces. April	2014
Classification	Туре	Economic Cut-Off Cu%	Tonnes (Mt)	Copper (%)	Gold (g/t)	Copper Metal (T)	Gold (Oz)
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Inferred	PRIMARY	0.90	1.90	1.59	0.23	30,184	14,085
	TOTAL		6.00	2.45	0.48	147,000	93,000

Avanco commenced a drilling programme in late 2013 with the objective of re-classifying JORC Code reported Mineral Resources to the Measured and Indicated categories. The Company targeted the upper part of the deposit completing a programme of 23 holes for 2,743m. Diamond drilling was set on a 25m x25m grid to achieve the higher level of confidence associated with the Measured Category.

The updated Mineral Resource has been prepared with an economic mine cut-off grade of 0.9% Copper derived from the previous Stage 1 Economic Study<sup>5</sup> carried out in 2013. The Company believes this more accurately defines Measured/Indicated grade/tonnes that are potentially available for exploitation.

The Mineral Resource estimate shows that the better grades, and the majority of tonnes (e.g. **2.48Mt** @ **3.26%** Copper for ~80,000t of Copper) are classified as Measured. This illustrates that 60% of the tonnes are ascribed to the highest confidence "Measured Category". Management considers this a good result.

The high tenor of chalcopyrite is evident from assays returned from drilling, with sulphide mineralisation results including:



•	31.00m <sup>6</sup> at 2.72% Copper, 0.65g/t Gold from 25.00m <sup>6</sup>	AAND-067
•	54.00m <sup>6</sup> at 3.03% Copper, 0.33g/t Gold from 25.00m <sup>6</sup>	AAND-068
•	27.00m <sup>6</sup> at 1.89% Copper, 0.78g/t Gold, from 54.00m <sup>6</sup>	AAND-070
•	22.30m <sup>6</sup> at 3.70% Copper, 0.23g/t Gold from 20.70m <sup>6</sup>	AAND-071
•	26.10m <sup>6</sup> at 5.35% Copper, 0.86g/t Gold from 47.90m <sup>6</sup>	AAND-074
•	33.00m <sup>6</sup> at 3.97% Copper, 1.05g/t Gold, from 86.00m <sup>6</sup>	AAND-073
•	28.00m <sup>6</sup> at 3.24% Copper, 1.06g/t Gold from 21.00m <sup>6</sup>	AAND-072
•	5.00m <sup>6</sup> at 4.15% Copper, 0.57g/t Gold from 94.00m <sup>6</sup>	AAND-080
	27.00m <sup>6</sup> at 6.80% Copper, 1.53g/t Gold, from 158.00m <sup>6</sup>	
•	23.85m <sup>6</sup> at 3.00% Copper, 0.84g/t Gold, from 41.00m <sup>6</sup>	AAND-082
	12.60m <sup>6</sup> at 2.78% Copper, 1.28g/t Gold, from 71.00m <sup>6</sup>	
•	7.25m <sup>6</sup> at 5.27% Copper, 0.38g/t Gold, from 147.75m <sup>6</sup>	AAND-083
•	6.20m <sup>6</sup> at 9.14% Copper, 0.54g/t Gold, from 95.00m <sup>6</sup>	AAND-084
	8.05m <sup>6</sup> at 14.26% Copper, 1.80g/t Gold, from 116.95m <sup>6</sup>	
•	10.45m <sup>6</sup> at 4.13% Copper, 1.92g/t Gold from 17.00m <sup>6</sup>	AAND-086
•	16.55m <sup>6</sup> at 7.63% Copper, 1.08g/t Gold, from 63.90m <sup>6</sup>	AAND-088

The Antas Mineral Resources have been classified and reported in accordance with The Australasian Code for Reporting of Mineral Resources and Ore Reserves (JORC Code 2012).

With minor delays associated with the requirement of additional work (obligatory under JORC 2012) and with management following its preference for Avanco input to the optimisation of the Life of Mine schedule, publishing of the JORC Reported Reserves is estimated for Quarter three.

#### **STAGE 1 - DEVELOPMENT**

#### Design Engineering

ONIX Engenharia of Belo Horizonte, Brazil was engaged to develop the Basic and Detailed Engineering associated with the Plant and Infrastructure. ONIX are a well-respected local company supplying all levels of mine design engineering. The ONIX team are progressing the plant design with assistance of the Avanco team which are also resident at ONIX's office.

Figures at the end of this document show the Site Layout/Design, and Design Engineering Summary plan for the Antas Process Plant.

Basic design is 60% completed and detailed engineering 20% completed. A revised budget cost control estimate is being targeted for late September 2014.

Detailed engineering design for the Tailings Dam has already been awarded to another local group ALB and GeoHydroTech Engenharia who are highly experienced in design and construction of tailings impoundments in Brazil.



The award of engineering to ONIX followed on from the purchase of all major plant components. The total commitment represents approximately US\$6.0M which is being settled according to extended payment terms (some going out to December) and from cash reserves. Approximately US\$3m has already been paid. Items include:

- 250tph 2 stage Crushing Circuit comprising primary jaw and secondary cone and all ancillary equipment. Respected Brazilian supply/manufacture.
- Top brand 1.3Mw Ball Mill Dia 3.7m X 7.3m never assembled, in USA storage and ready for shipping.
- Flotation cells for roughers and cleaner unit operations, refurbished and ready for shipping from the USA.
- New 25tph VPA (plate and frame) concentrate dewatering filter, including basic design engineering, from Europe, Metso supplied.
- An extensive list of major ancillaries have been sourced from a local mine. Some refurbishment will be required but represent significant value including:
  - o 95Kw Re-Grinding Ball Mill
  - Reagent preparation facility
  - o New thickener rake mechanism
  - o Concentrate Storage Building

The above are within current budget, predominantly new and from a reputable international manufacturer.

Equipment/selection/specification includes excess capacity, which bodes well for operations.

Importation of the Ball Mill & Float cells is targeted for November. The Metso filter is scheduled for import in December and therefore remains on critical path.

#### Site Investigation

The following programmes contributed to the Reserve studies and preparation of the Life of Mine Schedule. They also form essential inputs for the development of the project and construction designs:

- Pit Geotechnical drill programme (four holes for 645 metres)
- Metallurgical programme (two twin holes for 177 metres)
- Civil engineering/geotechnical drilling over proposed infrastructure areas, access road and bridge crossings

#### Flotation Testing

Samples representing the principal ore types were sent for confirmatory testing at an internationally recognised laboratory. Testing procedures were supervised by an independent metallurgical consultant, well known for his extensive knowledge of Brazilian copper flotation, including Carajas IOCG ore types.



Grinding and flotation characteristics have been confirmed with locked cycle flotation tests (which are regarded as closely simulating industrial operations). Very encouraging results include:

- >94% copper recovery for 28<30% Cu concentrate
- >98% copper recovery for a 26<27% Cu concentrate
- >90% gold recovery for ~0.7g/t ores decreasing ~88% for lower gold grades

The selection of flotation cells (OK38's and Denver 21's) for roughers and cleaners respectively for operations has been generously sized providing contingency on cell retention times.

The optimum grind size is p80 of 150um with recoveries still acceptable in excess of 212um.

#### Comminution/Grindabillity

Bond Work Index (BWI) tests each ore type (including waste dilution material) were undertaken to simulate the average ROM grade of 3% Copper. The weighted average results indicate a BWI of 14.74 kWh/short ton (16.24 kWh/metric tonne).

With ~1.2Mw expected to be available at the Avanco Ball mill pinion, the BWI results suggest that there will be ample power available to achieve the optimum grind at the 400,000tpa ROM production criteria.

#### Marketability of Copper Concentrates

Confirmatory testing illustrates that concentrates with acceptable copper grades can be easily produced with very low concentrations of deleterious elements, and indicate that the Antas concentrates are a readily saleable product.

Further samples of concentrate are being generated and will be made available to potential off-take parties for their own analysis. Avanco retains ownership of 100% of the off-take for Stage 1 (and stage 2) and management anticipates interest from a number of groups vying for off-take agreements.

#### Waste Rock Characterisation

Bulk composite samples representing all major waste rock, mineralised waste and Oxide material (requiring long term storage management) have returned results indicating that there is no potential for generation of Acid Mine Drainage and do not contain hazardous materials. This desirable outcome will facilitate and economise the safe storage of pre-strip materials and mine waste.

#### Mine Planning

The pending Reserve statement by CSA Global will include an annual Life of Mine (LOM) schedule including the saprolite pre-strip, from which CSA will use more advanced scheduling software to develop the month by month schedule, and detailed mining parameters.

Following the above Avanco will engage a reputable Brazilian consultant to perform external independent review to add further confidence.



Currently, open-pit productivity and working hours/shifts is being examined and will, in conjunction with the detailed mine schedule, be used to optimise/finalise the mining fleet size and equipment selection.

Concurrent with the above a detailed costing exercise examining the differential costs of purchase versus lease and owner's service/maintenance versus the use of supplier/contractor services.

Ultimately these studies will determine the decision on, owner operated versus contractor or a hybrid of this, specific makes/models of equipment, numbers of individual mobile plant and their utilisation.

It is envisaged that a "pre-strip" operation will then be undertaken concurrent with plant construction. Such pre-strip materials will be used in construction of the tailing dam, haul roads, ROM pad and site infrastructures.

The pre-strip period (which will have little valuable ore mining) offers an excellent opportunity to bed in the mining fleet (and or contractors), associated mining routines and training.

#### STAGE 1 - REGULATORY

The Company has been granted all approvals necessary for issue of the Mining License, with the latter expected to be approved by the DNPM during Quarter three.

#### STAGE 1 – US\$70M PROJECT FINANCE

The Company has executed the binding agreement with BlackRock World Mining Trust PLC (BlackRock) for the US\$12m non-dilutive production Royalty<sup>2</sup> investment that was agreed previously. This transaction represents the first, firm and secured funding parcel required to support the development of the Antas North (Stage 1) Copper Mine.

- ➤ The Stage I Copper Project investment is estimated at US\$70m (US\$50m Preproduction + US\$10m contingency +US\$10m working capital)<sup>5</sup>
- ➤ In June 2013 Avanco agreed terms with Banco Votorantim for US\$58m of senior debt on an ~80/20 debt to equity ratio<sup>7</sup>
- ➤ The Credit committee of Brazilian Banco Votorantim have approved a (non-binding) term sheet for US\$30m of debt<sup>3</sup>
- ➤ Lead banker Votorantim is advanced in syndicating the remaining US\$28m

Due diligence was been completed, and financing and tax structures agreed for the BlackRock Royalty Agreement, providing US\$12m in return for Net Smelter Return royalty payments comprising 2% on copper, 25% on gold and 2% on all other metals that will be produced from Antas North (Stage 1) and Pedra Branca (Stage 2) licensed areas. Other discoveries within Avanco's current licence portfolio additional to those previously mentioned carry a flat 2% NSR production royalty.



Drawdown of funds is conditional, principally on publication of JORC Reported Reserves and receipt of the Mining License for Stage 1. The BlackRock investment will be paid prorate with disbursements from the senior debt.

To evaluate the impact of the Royalty Agreement the Company engaged a mining finance expert to examine the impact on projected Stage 1 revenues. The board is satisfied that the commercial terms of the transaction are sound and make economic sense.

Banco Votorantim has completed road shows in Sao Paulo offering participation in the Stage 1 project to a number of interested banks. Votorantim anticipate a successful outcome from syndication.

An aggressive schedule has been agreed aiming for completion of the transaction facilitating the availability of debt funds by end Quarter three. Timely closure on the debt is on critical path and a key milestone that drives the Stage 1 project schedule.

## **STAGE 2 (PEDRA BRANCA PROJECT)**

Various mining methods and mine scheduling options appear feasible for exploiting Pedra Branca as a substantial underground mining operation. The alternatives continue to be technically and economically evaluated with a view to determining a number of development profiles, including highest NPV and lowest pre-production Capex.

Recent changes in the JORC Code oblige Avanco to significantly increase the size of the infill drill programme to achieve an upgrade in resource confidence from the Inferred to Indicated category, which is a priority and pre-cursor for any "decision-to-mine".

The Company plans to commence infill drilling at Pedra Branca in Quarter three, following achievement of key Stage 1 deliverables.

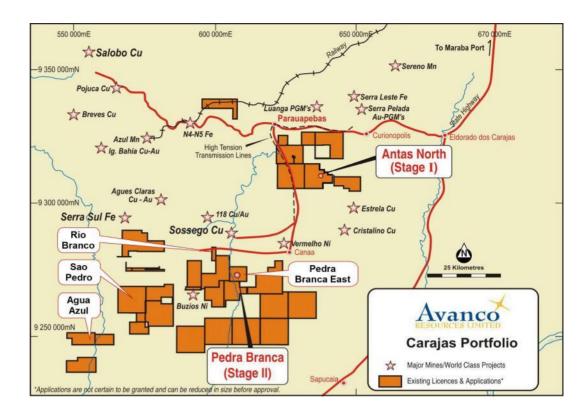
#### REGIONAL EXPLORATION

Regional exploration continues to advance with scout drilling expected to commence in Quarter three (assuming completion of key Stage 1 deliverables).

Work will focus on four priority drill targets:

- Pedra Branca East
- Rio Branco
- Agua Azul
- Sao Pedro





#### **CORPORATE**

The Company completed a \$23 Million placement at \$0.075, representing a 10.3% premium to the share price (\$0.068) at the time of the announcement. The placement was lead managed by Bell Potter Securities Limited to BlackRock World Mining Trust plc (BlackRock) and the Appian Natural Resources Fund (Appian). The Company acknowledges the ongoing support of BlackRock and welcomes both as substantial shareholders.

Avanco's share capital now comprises of Glencore, BlackRock and Appian holding, in approximate equal amounts, of 35%.

With project finance from BlackRock locked in, the Company is advancing the debt facility with Votorantim. Management continues to actively pursue the Stage 1 Mining License, the JORC Reserves and believes that the project schedule is equally dictated by timely drawdown of the senior debt.

In the interim the Company is drawing on its strong cash position to continue progressing the project schedule. Cash at bank as at 30<sup>th</sup> June 2014 was approximately \$32.2M.

Mr Colin Jones was appointed Non-Executive Chairman of the Company. With ~50 years in the business Mr Jones has the skill-set to guild the Board as it approaches debt financing and mine implementation. Mr Jones is a founding independent Non-Executive Director, a Chartered Mining Engineer with an MBA, and is fluent in Portuguese. He played an important part in recent capital raisings and is expected to enhance local relationships as the Company engages with Brazilian financial institutions. Mr Jones' extensive copper experience is not only ideal for Stage 1 but his underground expertise will complement the Company's aspirations for promoting and parallel development of the much larger Pedra Branca underground project. His association with the mining majors will likely benefit Avanco greatly as Mr Jones will have the responsibility of implementing procedures and protocols essential for an aspiring mid-tier company.



Mr Matthew Wood will remain as a non-executive director with further organisation changes planned. The need for new professional staff such as a Brazilian CFO, are being prioritised. Grant of the Mining Licence/JORC Reserves is envisaged as the trigger point for the hire of additional key individuals to complement the Avanco owner's team for construction and mining operations.

Further to Avanco's subsidiary's registered Rio de Janeiro office and operational facilities in the Carajas, the Company has relocated its Australian Registered Office to West Perth.

Tony Polglase Managing Director

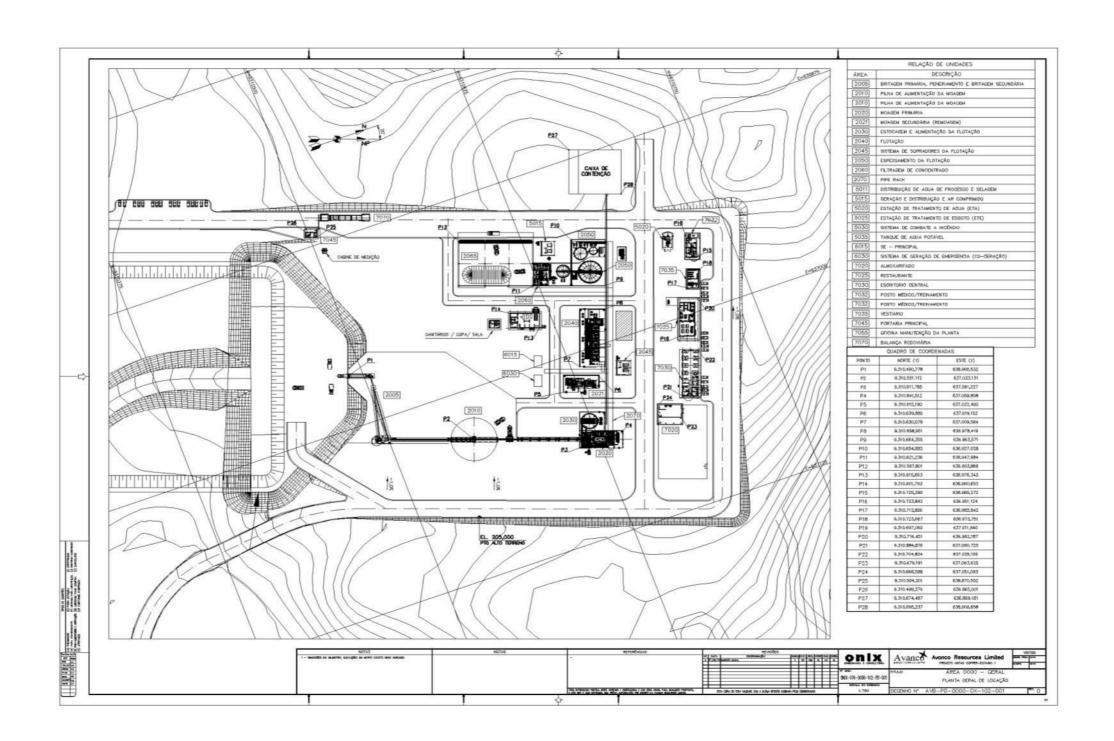
CARA	JAS - TOT	AL JORG	C Reported	d Mineral	Resources	8,9,10
DEPOSIT	Category	Million Tonnes	Cu (%)	Au (ppm)	Copper Metal (T)	Gold Metal (Oz)
PEDRA	Inferred	46.82	1.20	0.33	560,000	500,000
BRANCA <sup>11</sup>	Total	46.82	1.20	0.33	560,000	500,000
	Measured	2.83	3.01	0.72	85,079	65,578
ANTAS	Indicated	1.65	2.20	0.42	36,365	22,058
NORTH <sup>12</sup>	Inferred	1.9	1.59	0.23	30,242	14,122
	Total	6.38	2.38	0.50	152,000	102,000
	Measured	0.59	1.34	0.18	8,000	3,000
ANTAS	Indicated	7.5	0.7	0.2	53,000	49,000
SOUTH <sup>13</sup>	Inferred	1.99	1.18	0.2	24,000	13,000
	Total	10.08	0.83	0.2	85,000	65,000
TOTA	L	63.28	1.26	0.33	797,000	667,000

#### **Competent Persons Statement**

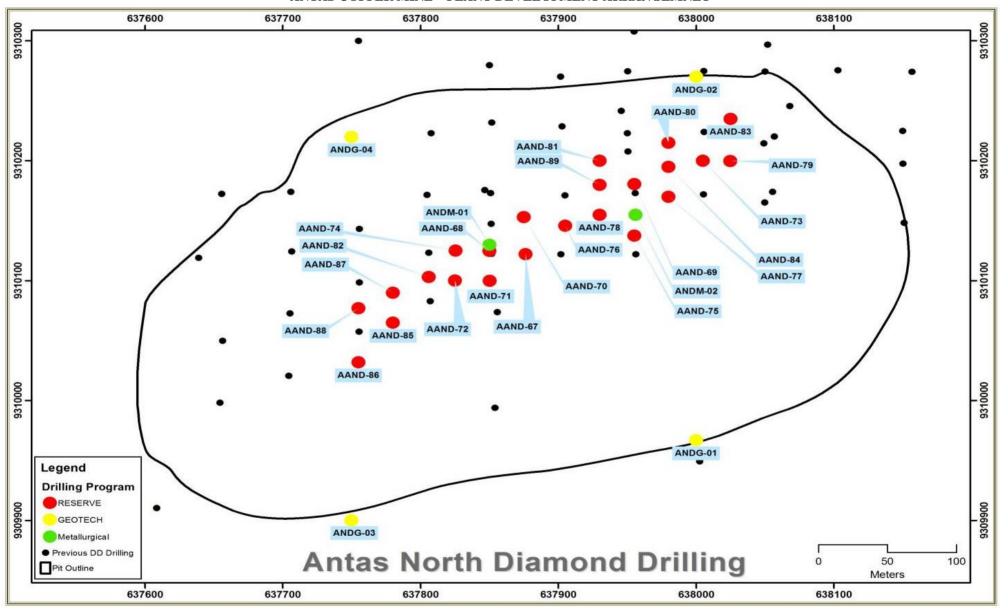
The information in this report that relates to Mineral Resources and Exploration Results is based on information compiled by Mr Simon Mottram who is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Mottram is an Executive Director of Avanco Resources Limited, in which he is also a shareholder. Mr Mottram 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 (CP) 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 Mottram consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on information compiled by Dr. Bielin Shi, who is a member of the Australasian Institute of Mining and Metallurgy and Australian Institute of Geoscientists. Dr. Shi is an employee of CSA Global Pty. Ltd. Dr. Shi 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 (CP) 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". Dr. Shi consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

- The orebody is defined as an Iron Oxide Copper Gold (IOCG) deposit, typical of that found in the Carajas Province
  of Brazil, and well documented in respected geological texts
- 2. See ASX announcement "US\$12,000,000 Agreement reached with Blackrock World Mining Trust", 8 October 2013
- 3. See ASX Announcement "March 2014 Quarterly Activities Report", 30 April 2014
- 4. For full details and JORC Table 1 detailed information see ASX Announcement "Stage 1 set to excel on new high grade Copper Resource", 7 May 2014
- 5. See ASX announcement "Stage 1 Assessment support Fast Track Development", 4 March 2013
- 6. Downhole widths/depths. True widths/depths shown in table "Antas North Deposit Diamond Drilling Results 2014"
- 7. See ASX Announcement "Key Terms Agreed on US\$58m Debt Facility", 13 June 2013
- 8. See ASX Announcement "Stage 1 set to excel on new high grade Copper Resource", 7 May 2014, for Competent Person's Consent, material assumptions, and technical parameters underpinning the resource estimates
- 9. See ASX announcement "Stage II Pedra Branca Resource Upgrade", 24 June 2013, for Competent Person's Consent, material assumptions, and technical parameters underpinning the resource estimates
- 10. The Pedra Branca and Antas South JORC compliant resources were prepared and first disclosed under the JORC Code 2004. They have not been updated since to comply with the JORC Code 2012, on the basis that the information has not materially changed since it was last reported
- 11. Grade Tonnage Reported above a Cut-off Grade of 0.4% Cu for Primary Resources only
- 12. Grade Tonnage Reported above a Cut-off Grade of 0.9% Cu for Primary Resources only
- 13. Grade Tonnage Reported above a Cut-off Grade of 0.3% Cu for Oxide Resources
- 14. Copper mineralisation composed of oxides



#### ANTAS COPPER MINE - PLANT DEVELOPMENT ARRANGEMNET



# ANTAS NORTH DEPOSIT - DIAMOND DRILLING RESULTS 2014

Hole ID	UTM-E	UTM-N	RL (m)	Dip	Az	Depth (m)	Status	From (m)	From (m) True Depth	To (m)	Width (m) Downhole	Width (m) True	Cu %	Au g/t
APBD-067	637876.236	9310122.209	251.343	-50.00	180.00	75.65	Completed	0.00	0	25.00	25.00	~16	$1.26^{14}$	0.08
And								25.00	~19	56.00	31.00	~20	2.72	0.65
Incl.								37.00	~28	55.00	18.00	~12	3.95	1.07
APBD-068	637850.070	9310124.813	246.719	-50.00	180.00	90.80	Completed	1.20	~1	24.00	22.80	~15	$1.65^{14}$	< 0.05
And								25.00	~19	79.00	54.00	~35	3.03	0.33
Incl.								47.00	~36	51.00	4.00	~3	9.31	0.67
<b>APBD-069</b>	637955.248	9310180.545	274.623	-60.00	180.00	177.05	Completed	1.00	<1	18.00	17.00	~9	$0.46^{14}$	0.03
And								75.65	~66	97.00	21.35	~11	1.14	0.57
APBD-070	637874.912	9310153.012	250.156	-50.00	180.00	118.10	Completed	0.00	0	23.00	23.00	~15	$0.74^{14}$	0.07
And								40.00	~30	50.00	10.00	~6	0.56	0.22
And								54.00	~41	81.00	27.00	~17	1.89	0.78
Incl.								59.00	~45	74.00	15.00	~10	3.03	0.48
APBD-071	637850.276	9310099.954	246.966	-50.00	180.00	50.80	Completed	1.00	<1	20.70	19.70	~13	$1.32^{14}$	2.65
And								20.70	~16	43.00	22.30	~14	3.70	0.23
Incl.								27.00	~21	29.00	2.00	~1	15.40	0.19
APBD-072	637824.953	9310100.142	241.667	-50.00	180.00	76.75	Completed	0.00	0	21.00	21.00	~14	$1.28^{14}$	0.07
And								21.00	~16	49.00	28.00	~18	3.24	1.06
Incl.								41.00	~31	44.65	3.65	~2	10.56	4.70
APBD-073	638004.860	9310199.975	286.223	-50.00	180.00	140.55	Completed	0.50	<1	17.00	16.50	~11	$0.54^{14}$	0.02
And								86.00	~66	119.00	33.00	~21	3.97	1.05
Incl.								95.40	~73	98.25	2.85	~2	18.16	1.53
APBD-074	637825.445	9310124.992	240.515	-50.00	180.00	110.80	Completed	2.35	~2	19.00	16.65	~11	$1.31^{14}$	0.09
And								47.90	~37	74.00	26.10	~17	5.35	0.86
Incl.								47.90	~37	54.00	6.10	~4	14.87	2.35
APBD-075	637955.152	9310137.639	275.605	-50.00	180.00	100.15	Completed	6.00	~5	17.00	11.00	~7	$0.43^{14}$	< 0.05
And								27.00	~21	32.00	5.00	~3	0.91	0.56
<b>APBD-076</b>	637905.037	9310145.880	259.021	-50.00	180.00	90.10	Completed	0.00	0	19.00	19.00	~12	$1.10^{14}$	1.65
And								19.00	~15	62.00	43.00	~27	0.80	0.30

Incl. 44.00 ~34 55.00 11.00 ~7 1.55 0.30

# ANTAS NORTH DEPOSIT - DIAMOND DRILLING RESULTS 2014

Hole ID	UTM-E	UTM-N	RL (m)	Dip	Az	Depth (m)	Status	From (m)	From (m) True Depth	To (m)	Width (m) Downhole	Width (m) True	Cu %	Au g/t
APBD-077	637980.080	9310170.004	282.997	-55.00	180.00	115.70	Completed	1.60	~1	12.00	10.40	~6	$0.47^{14}$	< 0.01
And								40.70	~33	42.85	2.15	~1	1.18	0.09
APBD-078	637930.042	9310154.938	266.651	-50.00	180.00	115.15	Completed	1.00	~1	28.85	27.85	~18	$0.64^{14}$	0.12
And								42.80	~33	59.00	16.20	~10	1.22	0.21
And								57.40	~44	58.40	1.00	~1	10.64	0.27
APBD-079	638024.894	9310199.830	292.129	-50.00	180.00	121.40	Completed	1.50	~1	23.00	21.50	~14	$0.64^{14}$	0.05
And								23.00	~18	40.00	17.00	~11	1.06	0.12
APBD-080	637980.006	9310214.991	274.753	-55.00	180.00	201.80	Completed	2.00	~2	21.00	19.00	~11	$0.56^{14}$	0.10
And								28.00	~23	34.00	6.00	~3	1.34	0.22
And								48.00	~39	55.00	7.00	~4	1.32	0.68
And								58.00	~48	64.00	6.00	~3	1.61	0.61
And								76.00	~62	89.00	13.00	~7	0.67	0.15
And								94.00	~77	99.00	5.00	~3	4.15	0.57
And								158.00	~129	185.00	27.00	~15	6.80	1.53
Incl.								163.00	~134	168.00	5.00	~3	13.93	2.56
APBD-081	637929.997	9310200.003	261.415	-50.00	180.00	213.90	Completed	1.60	~1	16.30	14.70	~9	$0.83^{14}$	0.06
And								26.00	~20	30.00	4.00	~3	$0.68^{14}$	0.13
And								38.65	~30	43.35	4.70	~3	1.38	0.45
APBD-082	637805.997	9310102.998	237.181	-50.00	180.00	120.80	Completed	0.00	0	11.35	11.35	~7	$1.52^{14}$	0.10
And								41.00	~31	64.85	23.85	~15	3.00	0.84
Incl.								54.90	~42	57.00	2.10	~1	13.42	1.50
And								71.00	~54	83.60	12.60	~8	2.78	1.28
APBD-083	638024.997	9310234.997	283.386	-50.00	180.00	170.00	Completed	2.80	~2	13.00	10.20	~7	$0.39^{14}$	0.05
And								147.75	~113	155.00	7.25	~5	5.27	0.38
APBD-084	637980.002	9310194.992	279.510	-55.00	180.00	161.95	Completed	7.00	~6	18.90	11.90	~7	$0.61^{14}$	0.04
And								18.90	~15	25.00	6.10	~3	0.84	0.12
And								31.00	~25	35.00	4.00	~2	0.43	0.35
And								95.00	~78	101.20	6.20	~4	9.14	0.54

Incl.								98.60	~81	101.20	2.60	~1	19.82	0.64
		ANTAS N	ORTH	<b>DEP</b> (	SIT -	· DIA	MOND D	RILL	ING RES	SULTS	S 2014			
Hole ID	UTM-E	UTM-N	RL (m)	Dip	Az	Depth (m)	Status	From (m)	From (m) True Depth	To (m)	Width (m) Downhole	Width (m) True	Cu %	Au g/t
And								116.95	~96	125.00	8.05	~5	14.26	1.80
APBD-085	637780.000	9310065.004	234.353	-50.00	180.00	83.85	Completed	0.00	0	12.30	12.30	~8	0.8314	0.03
And								36.10	~28	61.50	25.40	~16	0.87	0.24
Incl.								36.10	~28	50.00	13.90	~9	1.05	0.34
APBD-086	637755.002	9310032.004	227.693	-50.00	180.00	70.20	Completed	0.00	0	9.20	9.20	~6	$0.33^{14}$	0.04
And								17.00	~13	27.45	10.45	~7	4.13	1.92
APBD-087	637780.002	9310089.995	233.253	-50.00	180.00	110.00	Completed	0.00	0	16.70	16.70	~11	$0.80^{14}$	< 0.01
And								58.00	~44	62.50	4.50	~3	1.60	0.07
And								74.30	~57	79.00	4.70	~3	4.90	0.59
APBD-088	637755.001	9310076.995	229.415	-50.00	180.00	116.55	Completed	3.40	~3	11.00	7.60	~5	$0.56^{14}$	0.02
And								19.00	~15	26.25	7.25	~5	0.41	0.20
And								69.30	~53	85.85	16.55	~11	7.63	1.08
Incl.								72.30	~55	80.00	7.70	~5	14.05	1.43
And								89.00	~68	95.60	6.60	~4	0.51	0.64
APBD-089	637930.002	9310179.992	265.117	-50.00	180.00	111.45	Completed	3.20	~2	29.00	25.80	~17	0.9314	0.33
And								58.30	~45	67.35	9.05	~6	0.80	0.07

75.00

85.00

~57

~65

92.25

92.25

17.25

7.25

~11

~5

1.82

3.09

0.52

1.06

And

Incl.

	ANTAS NORTH DEPOSIT - PIT GEOTECHNICAL DIAMOND DRILLING													
Hole ID	UTM-E	UTM-N	RL (m)	Dip	Az	Depth (m)	Status	From (m)	From (m) True Depth	To (m)	Width (m) Downhole	Width (m) True	Cu %	Au g/t
ANDG-01	638000.00	9309967.00	261.73	-55.00	360.00	143.35	Completed		Not assay	ed. Sampl	ed for geotechni	cal test wo	rk	
ANDG-02	638000.00	9310269.99	263.53	-55.00	180.00	200.05	Completed		Not assay	ed. Sampl	ed for geotechni	cal test wo	rk	
ANDG-03	ANDG-03 637750.00 9309899.99 237.25 -55.00 360.00 151.20 <b>Completed</b> Not assayed. Sampled for geotechnical test work													
ANDG-04	NDG-04 637750.00 9310220.00 228.45 -55.00 180.00 151.00 <b>Completed</b> Not assayed. Sampled for geotechnical test work													

	A	NTAS NO	RTH D	EPOS	SIT -	META	LURGIO	CAL D	IAMON	D DR	ANTAS NORTH DEPOSIT - METALURGICAL DIAMOND DRILLING											
Hole ID	UTM-E	UTM-N	RL (m)	Dip	Az	Depth (m)	Status	From (m)	From (m) True Depth	To (m)	Width (m) Downhole	Width (m) True	Cu %	Au g/t								
ANDM-01	637850.00	9310130	245.00	-50.00	180.00	90.25	Completed		Not assaye	ed. Sample	ed for metallurg	ical test wo	rk									
ANDM-02	ANDM-02 637955.99 9310154.99 276.38 -60.00 180.00 86.80 <b>Completed</b> Not assayed. Sampled for metallurgical test work																					

	ANTAS NORTH DEPOSIT - CONDEMNATION DIAMOND DRILLING													
Hole ID	Hole ID UTM-E UTM-N RL (m) Dip Az Depth (m) Status From (m) True Depth True Depth True Depth True Depth True Status True Depth True Depth True True Status True Depth True Status Status Depth Status De													
ANDE-01	637700	9310525		-50.00	180.00	65.10	Completed			No Sig	nificant Results			
ANDE-02	ANDE-02 638500 9310047 -50.00 180.00 50.50 <b>Completed</b> No Significant Results													
ANDE-03	ANDE-03 636900 9310845 -50.00 180.00 51.00 <b>Completed</b> No Significant Results													

## **Appendix 1 – Interests in Mining Tenements Held**

Project	Property Name	Tenure Title	Interest %	AREA	DNPM No	Status of
		Holder	, ,	(ha)	of Area	Tenure
STAGE 1	RIO VERDE	AVB	100	9,300	853.714/93	Final Report Approved
	SERRA VERDE	AVB	100	7,359	850.892/06	۸
	SERRA VERDE	AVB	100	2,391	850.622/07	#
	AGUA BOA	VDM	100	1,327	850.016/13	#
	AGUA BOA	ARM	100	8,907	850.823/05	***
	AGUA BOA	ARM	100	6,552	850.121/09	Granted to 2016
	AGUA BOA	ARM**	100	4,230	850.825/05	***
	AGUA BOA	VDM	100	8,957	850.826/12	***
STAGE 2	PEDRA BRANCA	VDM	100	3,195	850.318/00	Final Report Approved
	PEDRA BRANCA	VDM	100	2,825	850.448/05	Granted to 2014
	PEDRA BRANCA	VDM	100	5,381	850.575/05	Granted to 2014
	PEDRA BRANCA	VDM	100	2,655	850.829/06	Granted to 2014
	PEDRA BRANCA	VDM**	100	722	850.218/00	Granted to 2015
	PEDRA BRANCA	VDM**	100	9,997	850.015/08	Granted to 2016
	PEDRA BRANCA	VDM	100	8,881	850.570/03	Granted to 2016
	PEDRA BRANCA	AVB	100	4,106	850.202/13	Granted to 2016
	PEDRA BRANCA	VDM	100	9,391	850.707/09	Granted to 2017
	PEDRA BRANCA	VDM	100	9,879	850.526/04	Granted to 2017
	PEDRA BRANCA	VDM**	100	240	850.217/00	***
	PEDRA BRANCA	VDM	100	1,040	850.278/05	٨
	PEDRA BRANCA	VDM	100	9,988	850.226/09	٨
	PEDRA BRANCA	EST	#	4,999	850.700/13	#
	PEDRA BRANCA	AVB	#	598	300.420/11	#
	PEDRA BRANCA	VDM**	#	4,980	850.146/95	#
	PEDRA BRANCA	VDM**	#	9,993	850.173/02	#
	PEDRA BRANCA	VDM**	#	9,755	850.181/01	#
	PEDRA BRANCA	VDM**	#	10,000	850.300/93	#
	PEDRA BRANCA	VDM**	#	9,859	851.067/07	#
	PEDRA BRANCA	AVB	#	5,000	851.674/11	#
	PEDRA BRANCA	VDM	#	7,770	850.780/12	#
	PEDRA BRANCA	EST	#	1,904	851.037/13	#
	PEDRA BRANCA	VDM	#	7,770	851.195/12	#
Trindade North	TRINDADE NORTH	AVB	100	4,967	850.283/99	Final Report Submitted***
	TRINDADE NORTH	ARM	#	4,967	850.281/13	#
Touro Nickel Project	TRINDADE SOUTH	AVB	100	48	850.568/11	Granted to 2014
ŭ	TRINDADE SOUTH	AVB	100	49	850.567/11	Granted to 2015
	TRINDADE SOUTH	AVB	#	9,797	850.781/13	#
	TRINDADE SOUTH	AVB	#	9,797	850.569/11	#***
Regional Exploration	CARAJAS NORTH	VDM	#	4,347	850.015/13	#

AVB = AVB Mineracao ARM = Avanco Resources Mineracao VDM = Vale Dourado Mineracao EST = Estela do Brazil Mineracao

<sup>\*</sup> Renewable on approval of the Final Exploration Report by the National Department of Mineral Production. Awaiting final decision.

<sup>\*\*</sup> Expected to be, or awaiting or in the process of being transferred into respective subsidiary

<sup>\*\*\*</sup> Subject to pending legal process

<sup>\*\*\*\*</sup> Option Agreement

<sup>^</sup> Application for an extension for further three year term, awaiting decision

<sup>#</sup> New application for exploration permit (size of tenement may be reduced/reshaped, if approved and before approval)

# **Summary of Exploration and Evaluation Expenditure Incurred per Project**

Project	Current Quarter Payments \$A'000
Stage 1	871
Stage 2	70
Regional Exploration	-
Total	941