

# Third Quarter 2017 Activities Report

25 October 2017





## **Highlights**

Excellent safety performance with no reported lost-time injuries.

Third quarter production of copper in concentrate of 3,698 tonnes and year-to-date 10,792 tonnes. On an annualised basis, 3% above the top-end of the annual guidance range of 13,500 – 14,000 tonnes.

Third quarter sales of 3,433 tonnes copper and 2,699 ounces gold in concentrate, generating provisional sales revenue (excluding costs) of \$25.6m.

AISCC decreased 5% to \$1.78/lb.

Cash increased to \$28.5m after capital expenditure of \$5.0 million for the quarter (Q2 2017: \$2.4 m) - the Company continues to be debt-free.

ASX: AVB, Avanco Resources Limited ("Avanco" or "the Company") is pleased to present its Third Quarter 2017 Activities Report for the period ending 30 September 2017.

During the quarter, the **Antas Mine** recorded its best production performance this year. Copper and gold exceeded guidance, and with a strong increase in the copper price, record free cashflows were realised. The reserve infill drilling program was completed aiming for an upgrade to existing reserves and extension to mine life.

The **Pedra Branca Project** advanced with the commencement of a resource extension and reserve definition drilling program. This program compliments the DFS which is progressing well, and has confirmed that the Pedra Branca East orebody remains open along strike.

The **Centro Gold Project** took a significant step forward with the accelerated acquisition agreement, enabling the Company to realise value sooner. Development work is advancing with an enhanced project team already in place.

#### **PRODUCTION & FINANCIAL RESULTS**

		Q3 2017	Q2 2017	Variance
Copper in concentrate produced	t	3,698	3,589	+3.0%
Gold in concentrate produced	oz	3,142	2,961	+6.1%
Copper in concentrate sold (net of finalisations)	t	3,433	3,134	+9.5%
Gold in concentrate sold (net of finalisations)	oz	2,699	2,506	+7.7%
C1 cash cost	\$/lb	1.57	1.46	+7.5%
AISCC	\$/lb	1.78	1.88	-5.3%
Cash at bank	\$m	28.5	26.3	+8.4%

#### **CORPORATE**

With quarterly record cash flows from operations of \$7.15 million (a 25% increase compared the previous quarter) cash balances increased to \$28.5 million at quarter end. The Company remains debt free.

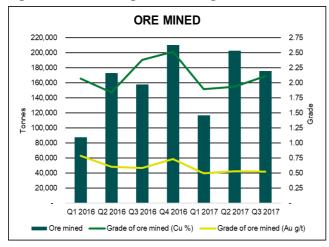
At the end of August founding Director and Independent Chairman, Mr Colin Jones retired. He is thanked for the very significant contribution he has made to Avanco. The search for a new Independent Non-Executive Chairman continues to progress well following the appointment of an international executive search firm specialising in senior board appointments. Mr Vern Tidy was appointed as Interim Non-Executive Chairman and will continue in this role until a suitable replacement is appointed.

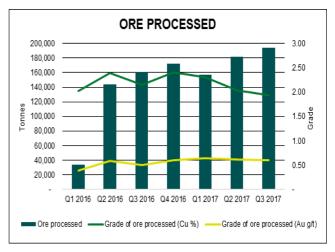
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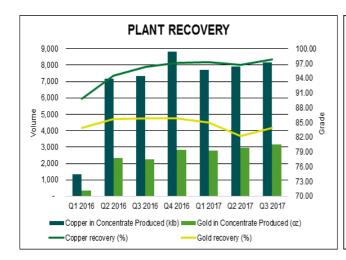
## **Antas Mine**

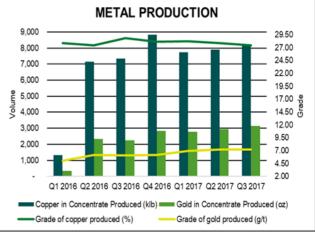
The Antas Mine continued an excellent performance in to the third quarter, achieving the highest production this year and exceeding the upper-end of the annual guidance range.

Figure 2: Antas Mining & Processing









#### **SAFETY**

Antas reported an excellent safety performance with no reported lost time injuries. To date, a total 2.4 million injury-free man hours have been achieved.

**Figure 3: Antas Production Results** 

		Units	Q3 2017	Q2 2017	Variance	YTD 2017
	Total Material Mined	t	1,817,512	2,018,673	-10.0%	5,380,027
Mining	Ore Mined	t	175,973	202,629	-13.2%	495,575
Mining	Copper Grade	%	2.11	1.94	+8.8%	1.99
	Gold Grade	g/t	0.52	0.53	-1.9%	0.52
	Tonnes Processed	t	194,210	181,865	+6.8%	533,235
	Copper Grade	%	1.94	2.04	-4.9%	2.08
Processing	Gold Grade	g/t	0.60	0.62	-3.2%	0.62
	Copper Recovery	%	98	97	+1.0%	97
	Gold Recovery	%	84	82	+2.4%	84
	Concentrate	DMT	13,499	12,856	+5.0%	38,787
	Contained Copper	t	3,698	3,589	+3.0%	10,792
Production	Contained Gold	OZ	3,142	2,961	+6.1%	8,887
	Concentrate Copper Grade	%	27.39%	27.91%	-1.9%	27.82%
	Concentrate Gold Grade	g/t	7.2	7.16	+1.1%	7.13

#### **MINING**

The Antas mine reported a strong quarter. Some challenges with drill and blast resulted in the total material mined during the quarter reducing by 10% to 1.8 million tonnes. A third blast-drill rig has arrived on site and is expected to improve productivity.

Mine reconciliation and grade control remain consistent, with a strong correlation with current reserves. New resource geological modelling is progressing with the focus on improving gold forecasting and the inclusion of the recently completed 5,000 metres of diamond drilling.

Figure 4: Antas Stage 2 Pit



Figure 5: Mine Reconciliation - Project to Date

	Actual Mined	Ore Reserve	Variance (%)
Copper Metal Tonnes	22,082	23,727	93%
Gold Metal Ounces	19,587	19,211	102%

#### **PROCESSING**

Compensating for the lower head grade during the quarter, the processed tonnes were increased accordingly. This resulted in quarterly production exceeding targets with contained copper up 3% and contained gold production up 6%.

Ongoing enhancements to the plant were initiated, notably:

- Installation and operation of crushing rubber screens.
- Installation of scats weightometer.
- Completion of crushing plant automation installation.
- Installation of dust suppression cannon in the crushing area.
- Installation of a measuring cabin with the required standards to guarantee normal operation of free market electricity.

#### **PRODUCTION**

During the third quarter the Antas Mine<sup>1</sup> increased production, slightly above the upper-end of annualised guidance. Consequently, management is confident that it will achieve its full year production targets.

#### **OPERATING COSTS**

**Figure 8: Operating Costs** 

		Units	Q3 2017	Q2 2017	Variance	YTD 2017
Payable Copper Produ	ıction	'000lbs	7,855	7,628	3.0%	22,937
Payable Copper Sold		'000lbs	7,569	6,910	9.5%	22,424
	Mining Coat	\$/lb	0.98	1.04	-5.8%	0.96
	Mining Cost	R\$/lb	3.10	3.34	-7.2%	3.06
	Dragoning Coat	\$/lb	0.39	0.33	18.2%	0.38
Production Costs	Processing Cost	R\$/lb	1.22	1.08	13.0%	1.21
Production Costs	Administration Cost	\$/lb	0.16	0.09	77.8%	0.11
	Administration Cost	R\$/lb	0.50	0.29	72.4%	0.36
	Subtotal	\$/Ib	1.53	1.46	4.8%	1.45
		R\$/lb	4.82	4.71	2.3%	4.63
	Freight and Expediting	\$/lb	0.26	0.23	13.0%	0.27
Solling Coots	Gold Credits	\$/lb	(0.44)	(0.41)	7.3%	(0.43)
Selling Costs	Smelter Charges	\$/lb	0.18	0.17	5.9%	0.19
	Subtotal	\$/lb	-	0.01	-100.0%	0.03
Cash Operating Costs		\$/lb	1.53	1.47	4.1%	1.48
Movement Stockpiles		\$/lb	0.04	(0.01)	500.0%	0.03
C1 Cash Costs*		\$/lb	1.57	1.46	7.5%	1.51
All in Sustaining Cash Costs**		\$/lb	1.78	1.88	-5.3%	1.83
Average USD/BRL		USD:BRL	3.16	3.21	-1.6%	3.17

<sup>\*</sup>C1 cash costs are calculated per payable pound of copper produced and adjusted for inventory movements during the period. Mining costs include the full cost of all waste mined during the period.

<sup>\*\*</sup>AISCC is calculated per payable pound of copper sold, net of finalisation sales and adjusted for concentrate inventory movements during the period.

The Brazilian Real strengthened against the US Dollar to an average R\$3.16 (Q2 2017 : R\$3.21). This resulted in a negative effect on production and domestic freight costs. Additionally, the decision to recognise a provision for recoverability of indirect taxes generated unfavourable adjustments.

The C1 unit cash cost for the quarter was \$1.57/lb, resulting in a year-to-date C1 unit cash cost of \$1.51/lb marginally above upper-end cost guidance. The underlying costs in Brazilian Real remain within guidance. All in sustaining unit cash costs, reduced to \$1.78/lb due to higher payable copper sold, higher gold credits and lower sustaining capital expenditure.



Figure 7: Brazilian Real: US Dollar, October 2016 - September 2017

Source: Bloomberg

#### **SALES**

A total of 7,664,000 pounds of copper and 2,937 ounces of gold, excluding finalisations were sold during the third quarter at average provisional prices of \$2.85/lb copper and \$1,274/oz gold respectively, resulting in gross provisional sales of \$25.6m (Q2 2017: \$21.2m).

Figure 9: Concentrate Sales

	Units	Q3 2017	Q2 2017	Variance	YTD 2017
Copper in Concentrate Sold (net of finalisations)*	,000lp	7,569	6,910	+9.5%	22,424
Gold in Concentrate Sold (net of finalisations)**	OZ	2,699	2,506	+7.7%	7,812
Provisional Sales (excluding costs)	\$'000	25,596	21,238	+20.5%	73,033
Finalised Sales (excluding cost) ***	\$'000	(466)	(36)	-	(126)

<sup>\*</sup> Including 95,000lb of finalised copper sales adjustments during the third quarter 2017 (Q2 2017: 80,000lb). See reconciliation below.

The Company has purchased put options to ensure that its exposure to the BRL will not be greater than 3.15 to 1 USD up to and including February 2018. Additionally, the Company has sold forward 3,150 tonnes at \$2.69. The Company can reallocate tonnes to months with more favourable pricing.

<sup>\*\*</sup> Including 238oz of finalised gold sales adjustments during the third quarter 2017 (Q2 2017: 119oz). See reconciliation below.

Figure 10: Copper price (US Dollar per tonne), October 2016 – September 2017



#### SALES FINALISED DURING THE QUARTER

Final concentrate assays for shipments from the beginning of January 2017 to the first week of May 2017 were agreed and finalised. Reconciliation of the copper and gold differences, that included assay, weight and pricing adjustments resulted in a net cash outflow of \$466,000.

Figure 11: Finalised concentrate sales

Source: Bloomberg

SALES		Units	Provisional	Final	Variance
	Copper in Concentrate Sold	'000lb	9,820	9,725	(95)
Copper	Copper Sales (excluding costs)	\$'000	25,719	25,473	(246)
	Copper Price	\$/lb	2.62	2.62	-
	Gold in Concentrate Sold	OZ	3,455	3,217	(238)
Gold	Gold Sales (excluding costs)	\$'000	4,226	4,005	(221)
	Gold Price	\$/oz	1,223	1,245	+22
Copper and	d Gold sales (excluding costs) net effect	\$'000	16,246	16,210	(466)

#### **ANTAS EXPLORATION**

The 5,000-metre drill program at Antas <sup>1</sup> was completed during the quarter. The aim is to upgrade confidence in existing probable reserves deeper in the pit, and extend existing resources and reserves. A complete interpretation update of this work and resource modelling is now in progress. The program of work remains on time to deliver the mine resource and reserve update by year end.

Better assay results announced from the drill program include 2:

AAND-099 - 38.20 metres\* @ 2.31% copper, 0.99 g/t gold from 108.00 metres\* including 7.75 metres @ 5.65% copper, 0.21 g/t gold from 134.25 metres.

AAND-103 - 21.00 metres\* @ 2.52 % copper, 0.57 g/t gold from 263.00 metres\* including 9.00 metres @ 4.37% copper, 0.96 g/t gold from 264.00 metres.

AAND-107 - 11.70 metres\* @ 7.65% copper, 4.13 g/t gold from 71.80 metres\* including 4.85 metres @ 15.16% copper, 6.32 g/t gold from 78.65 metres.

At the near-mine Azevedo Prospect a further 3 drill holes will be completed in the coming weeks. Initial drill hole AAND-100 returned a best result from this new mineralised zone <sup>3</sup> of 8.60m @ 1.30% Cu, 1.36g/t Au from 75.55m (downhole depth), which was repeated along strike in AAND-114 <sup>4</sup>.

Ongoing ground EM surveying at the Antas mine is currently completing a series of six loops on the continuation to the west of the Azevedo Prospect. This work has identified a new EM conductor that will be drill tested.

### **Pedra Branca**

#### **FEASIBILITY STUDIES**

The Pedra Branca East (PBE) Pre-Feasibility Study (PFS)<sup>5</sup> released in May 2017, demonstrated the viability of a large-scale standalone underground mining operation. The main conclusions were:

- 1,200,000 tonnes production for 24,000 tonnes of copper and 16,000 ounces of gold per annum
- NPV estimate at \$200 million with a 34% IRR
- Estimated \$368 million life-of-mine cashflow
- Pre-production capex of \$158 million
- Estimated C1 costs approximately \$1.30/lb assuming a conservative copper price of \$2.65<\$2.95/lb and BRL:USD rate of 3.20.</li>

A Definitive Feasibility Study (DFS) is underway, with a number of opportunities identified for improvement and potential cost savings, notably:

#### Plant and Surface Infrastructure

The PFS assumed the purchase of new equipment for the beneficiation plant as is typical in high-level studies. However, for a DFS the greater detail of study facilitates use of second-hand equipment. This option, which was successfully employed at Antas, resulted in substantial capex savings. Studies to date have assumed that both the paste-fill plant and an oversized beneficiation plant will be built from day one. For the DFS however, management are considering re-sizing the plant to 1.2Mtpa (down from 2Mtpa PFS) and deferment of the paste-fill plant.

#### **Underground Development and Mine Plan**

A third-party underground mining engineering group has completed a peer review of the PFS. No fatal flaws were reported. Several potential upside opportunities have been identified that could result in improvements in mining schedule and savings associated with stope design.

#### **FIELD WORK PROGRAM**

Exploration drilling on the eastern extension of PBE and infill drilling aimed at upgrading confidence for JORC Reserve classification in the DFS has been completed.

<sup>\*</sup>Downhole widths and depths

The best results from this work were from hole APBD-17-646

APBD-17-64 - 18.90 metres\* @ 2.39% copper, 0.62 g/t gold from 454.70 metres, including 4.60 metres @ 7.43% copper, 1.53 g/t gold from 469.00 metres\*

Figure 11: APBD-17-64. High-Grade Zone Shown From 469.71 - 473.43 Metres



The geotechnical and metallurgical ("represented sample" collection) drill program has been completed. Definitive geotechnical and metallurgical testwork are now in progress. Visual observations indicate that the host rock is an exceptionally strong granitic and/or intrusive rock idea for underground mining activities.

The trial mining license has been granted, allowing for the decline to commence.

## **CentroGold Project**

During the quarter, the Company announced a revised transaction <sup>9</sup> for the accelerated 100% acquisition of the CentroGold Project for conditional instalment payments of \$2.0m on signing and \$2.0m in 60 days, and an additional \$5.0m in 10 payments of \$0.5m, following completion of permitting. The transaction realises the Project value sooner than contemplated under the original earn-in agreement. With ownership now secured, the Company is investigating scenarios to fast track the Project.

#### **CURRENT WORK PROGRAM**

Following the upgrade of the JORC resource estimates at the Contact and Blanket Zones<sup>7</sup>, a 5,000 metres infill drilling program has now commenced, with 3 rigs.

#### **SCOPING STUDY**

The current CentroGold resource inventory demonstrates that the Contact Zone contains the better grade. However, the majority of the Contact Zone tonnes report to the JORC inferred category. The current drilling program is focused specifically on upgrading these tonnes to the indicated or a better JORC classification.

Following this, the Company aims to release a Scoping Study before the end of the year followed by a PFS in the second quarter of 2018. It is anticipated that the Scoping Study will also incorporate a maiden JORC resources for Chega Tudo.

#### LICENSING UPDATE

The mineral rights are in good standing. It is anticipated that the environmental licence and release of the installation licence (allowing construction) will be resolved as early as Q3 2018.

<sup>\*</sup>Downhole widths and depths

## **CORPORATE**

The Company continues to produce strong positive cash flows from operations.

As at the 30<sup>th</sup> September 2017, the Company's cash position increased to \$28.5m from \$26.3m at the end of the second quarter 2017.

**Figure 13: Quarterly Cash Position Reconciliation** 

\$'000
26,288
23,201
(16,051)
7,150
101
(394)
(2,644)
(2,000)
2,213
28,501

**TONY POLGLASE**MANAGING DIRECTOR

#### Notes:

Financial numbers, unless stated as final, are provisional and subject to change when final grades, weight and pricing are agreed under the terms of the offtake agreement. Figures in this announcement may not sum due to rounding. All dollar amounts in this report refer to United States Dollar unless otherwise stated. Avanco has elected to present this report with comparable results of the Fourth Quarter 2016 considering that the Company's focus during the First Quarter 2016 was the development and construction of the Antas Norte plant. Going forward, Avanco will present its results with comparable figures from the previous year.

## CARAJAS COPPER – Mineral Resources 11,12,13,14,15

DEPOSIT	Category	Million Tonnes	Cu (%)	Au (ppm)	Copper Metal (T)	Gold Metal (Oz)
	Measured	1.98	2.7	0.7	53,000	43,000
PB East <sup>16</sup>	Indicated	5.72	2.8	0.7	161,000	123,000
PD East "	Inferred	2.78	2.7	0.6	75,000	55,000
	Total	10.48	2.8	0.7	289,000	221,000
	Indicated	4.46	2.04	0.61	91,000	87,000
PB West <sup>16</sup>	Inferred	2.74	1.72	0.56	47,000	49,000
	Total	7.19	1.92	0.59	138,000	136,000
Pedra Branca	Total	17.67	2.44	0.65	427,000	357,000
	Measured	1.96	3.42	0.76	67,000	48,000
Antas North <sup>16</sup>	Indicated	1.61	2.23	0.42	36,000	22,000
Anias North	Inferred	1.89	1.59	0.23	30,000	14,000
	Total	5.46	2.43	0.48	133,000	84,000
	Measured	0.59	1.34	0.18	8,000	3,000
Antas South 17	Indicated	7.50	0.7	0.2	53,000	49,000
Anias South	Inferred	1.99	1.18	0.2	24,000	13,000
	Total	10.08	0.83	0.2	85,000	65,000
TOTAL		33.21	1.95	0.49	645,000	506,000

#### **ANTAS COPPER MINE - Ore Reserves 18,19**

LOCATION	JORC Category	Economic Cut-Off Cu%	Million Tonnes	Copper (%)	Gold (g/t)	Copper Metal (T)	Gold Metal (Oz)
Antas Mine	Proved	0.65	1.23	3.34	0.73	41,100	28,900
	Probable	0.65	1.69	2.16	0.47	36,500	25,500
Mine Stockpiles	Proved	0.65	0.12	2.26	0.53	2,800	2,100
TOTAL PROVEN + F	PROBABLE		3.04	2.64	0.58	80,400	56,500

#### **CENTROGOLD – Mineral Resources** 7

DEPOSIT	Category	Million Tonnes	Au (g/t)	Gold Metal (Oz)
	Indicated	2.1	2.5	168,000
Contact Zone 20	Inferred	5.9	2.2	424,000
	Total	8.1	2.3	592,000
	Indicated	10.8	1.7	597,000
Blanket Zone 20	Inferred	1.4	2.2	97,000
	Total	12.2	1.8	694,000
TOTAL		20.2	2.0	1,863,000

#### Competent Persons Statement

The information in this report that relates to Exploration Results and Mineral Resources is an accurate representation of the available data and 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 Antas copper mine, Pedra Branca (PB) deposit, and their surrounding targets are all defined as Iron Oxide Copper Gold (IOCG) style deposits/targets, typical of that found in the Carajas Province of Brazil, and well documented in respected geological texts
- See, ASX Announcement "Antas Exploration Update: Excellent pit infill and expansion drilling results", 8 August 2017, for details
- 3. See, ASX Announcement "Positive Assay Results from First Drill Hole", 4 July 2017, for details
- 4. See, ASX Announcement "Antas Exploration Update: New Near mine Exploration Prospect Identified", 20 July 2017, for details
- 5. See ASX Announcement "Positive Pre-Feasibility Study for Pedra Branca", 26 May 2017, for details
- See, ASX Announcement "Pedra Branca East Exploration Update: Drilling Along Strike Intersects Orebody", 3 August 2017, for details
- 7. See ASX Announcement CentroGold- Improved Mineral Resource Confidence Advances Scoping Study", 26 April 2017, for Competent Person's Consent, material assumptions, and technical parameters underpinning the Contact one and Blanket Zone resource estimates
- 8. Gold mineralisation within the CentroGold project is typical of mesothermal vein-style, or orogenic-style gold deposits
- 9. See, ASX Announcement "Accelerated Acquisition CentroGold Project", 18 September 2017, for details
- 10. See, ASX Announcement "Acquisition of Tenement along Strike from Pedra Branca", 15 November 2016, for details
- 11. See ASX Announcement "Pedra Branca Resource Upgrade Delivers Substantial Increase in Both Contained Copper and Confidence", 13 July 2015, for Competent Person's Consent, material assumptions, and technical parameters underpinning the Pedra Branca West resource estimate
- 12. Refer ASX Announcement "Pedra Branca Resource Upgrade, Advances Development Strategy", 26 May 2016, for Competent Person's Consent, material assumptions, and technical parameters underpinning the Pedra Branca East resource estimates
- 13. 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 Antas North resource estimate
- 14. See ASX announcement "Major Resource Upgrade for Rio Verde", 8 February 2012, for Competent Person's Consent, material assumptions, and technical parameters underpinning the Antas South resource estimate
- 15. The Antas South JORC compliant resource was prepared and first disclosed under the JORC Code 2004. It has 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
- 16. Grade Tonnage Reported above a Cut-off Grade of 0.9% Copper
- 17. Grade Tonnage Reported above a Cut-off Grade of 0.3% Copper for Oxide Resources
- 18. See ASX Announcement "Maiden Reserves Exceed Expectations for Antas Copper", 17 September 2014, for Competent Person's Consent, material assumptions, and technical parameters underpinning the Antas North JORC (2012) Reported Reserve estimate
- 19. Measured and Indicated Resources are inclusive of those Mineral Resources modified to produce the Ore Reserves
- 20. Grade Tonnage Reported above a Cut-off Grade of 1.0g/t Gold

#### **INTERESTS IN MINING TENEMENTS HELD**

Project	Property Name	Tenure Title Holder	Interest %	AREA (ha)	Licence Number	Status of Tenure
STAGE 1	Rio Verde	AVB	100	7,290.6	PL 470	Mining Concession
	Rio Verde	AVB	100	7,290.6	853.714/1993	Mining Concession
	Rio Verde	AVB	100	2,009	850.113/2017	Granted to 2020
	Serra Verde	AVB	100	2,391	850.622/2007	#
	Serra Verde	AVB	100	7,359	850.892/2006	Granted to 2018
	Estrela East	VDM**	100	4,230	850.825/2005	Granted to 2019
	Agua Boa	VDM	100	1,327	850.016/2013	#
	Agua Boa	ARM	100	8,907	850.823/2005	***
	Agua Boa	ARM	100	6,552	850.552/2016	Granted to 2019
	Agua Boa	VDM	100	8,957	850.826/2012	***
STAGE 2	Pedra Branca	VDM	100	3,195	850.318/2000	Final Report Approved
	Pedra Branca	AVB	100	4,106	850.202/2013	Granted to 2016
	Pedra Branca	VDM	100	9,391	850.707/2009	Granted to 2017
	Pedra Branca	VDM	100	9,879	850.526/2004	Granted to 2017
	Pedra Branca	VDM	100	1,040	850.278/2005	Granted to 2017
	Pedra Branca	EST	100	4,998	850.053/2014	Granted to 2018
	Pedra Branca	VDM	100	9,859	851.067/2007	Granted to 2018
	Pedra Branca	VDM**	100	240	850.217/2000	Granted to 2018
	Pedra Branca	AVB	100	5,000	851.674/2011	Granted to 2018
	Pedra Branca	VDM	100	7,770	850.780/2012	Granted to 2018
	Pedra Branca	VDM	100	9,988	850.226/2009	Granted to 2019
	Pedra Branca	EST	100	5,000	850.228/2016	Granted to 2019
	Pedra Branca	VDM	100	8,975	850.511/2016	Granted to 2020
	Pedra Branca	AVB	100	598	300.420/2011	#
	Pedra Branca	VDM**	100	4,980	850.146/1995	#
	Pedra Branca	VDM**	100	9,993	850.173/2002	#
	Pedra Branca	VDM**	100	9,755	850.181/2001	#
	Pedra Branca	VDM**	100	10,000	850.300/1993	#
	Pedra Branca	VDM**	100	8,047	850.191/2005	#
	Pedra Branca	EST	100	4,999		#
	Pedra Branca	VDM	100	3,195	851.700/2013 300.710/2014	#
CANAÃ WEST	Canaã West	VDM**	100****	5,024	850145/1995	Granted to 2018
CANAA WEST	Canaa West	VDM**	100****	10,000	850994/2011	Granted to 2017
	Canaã West	VDM**	100****	5,753	854951/1995	#
Carajas Regional	Carajas Regional	ARM	100	9,724	850.288/2014	Granted to 2018
Trindade Iron Project	Trindade North	AVB	100	289.62	850.283/1999	Final Report Approved
Trindade iron i Toject	Trindade North	AVB	100	4,678.5	301.107/2016	#
Touro Nickel Project	Trindade South	AVB	#	9,797	850.781/2013	#
	Trindade South	AVB	100	9,797	850.569/2011	Granted to 2018
CentroGold	CentroGold	MCT	100	10,000	800.088/1985	Granted to 2018
	CentroGold	MCT	100	6,389	800.089/1985	Granted to 2018
	CentroGold	MCT	100	7,088	800.091/1985	Granted to 2018
	CentroGold	MCT	100	3,874	806.064/2006	Granted to 2018
	Controcolu	IVIOI	100	5,074	JUU.UU4/2000	Granica to 2010
	CentroGold	MCT	100	6,958	806.083/2006	Granted to 2018

Project	Property Name	Tenure Title Holder	Interest %	AREA (ha)	Licence Number	Status of Tenure
CentroGold	CentroGold	MCT	100	4,901	806.109/2008	Granted to 2018
	CentroGold	MCT	100	9,872	806.166/2007	Granted to 2018
	CentroGold	MCT	100	9,876	806.253/2009	Granted to 2018
	CentroGold	MCT	100	4,635	806.702/2010	Granted to 2018
	CentroGold	MCT	100	9,950	806.706/2010	Granted to 2018
	CentroGold	MCT	100	508	850.649/2010	Granted to 2018
	CentroGold	MCT	100	2,420	850.651/2010	Granted to 2018
	CentroGold	MCT	100	353	850.652/2010	Granted to 2018
	CentroGold	MCT	100	650	850.864/2011	Granted to 2018
	CentroGold	MCT	100	176	806.254/2009	Granted to 2018
	CentroGold	MCT	100	8,840	806.205/2008	Granted to 2019
	CentroGold	MCT	100	745	850.650/2010	Granted to 2019
	CentroGold	MCT**	100	3,373	806.241/2014	Granted to 2019
	CentroGold	MCT	100	3,491	850.061/2016	Granted to 2020
	CentroGold	MCT**	100	2,624	806.308/2008	#
	CentroGold	MCT**	100	2,806	806.309/2008	#
	CentroGold	MCT	100	3,997	800.090/1985	#
	CentroGold	MCT	100	2,584	800.180/1990	#
	CentroGold	MCT	100	462	806.023/1999	#
	CentroGold	MCT	100	5,291	806.071/2001	#
	CentroGold	MCT	100	4,314	806.091/2006	#
	CentroGold	MCT	100	972	806.109/2003	#
	CentroGold	MCT	100	2,235	806.147/2003	#
	CentroGold	MCT	100	18	806.204/2004	#
	CentroGold	MCT	100	326	850.021/2012	#
	CentroGold	MCT**	100	10,000	806.057/2003	#
	CentroGold	MCT**	100	1,675	806.704/2010	#

AVB = AVB Mineraçao. ARM = Avanco Resources Mineraçao. VDM = Vale Dourado Mineraçao.

EST = Estela do Brazil Mineraçao. MCT = MCT Mineração

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

\*\*\* Subject to pending legal process

\*\*\*\* Subject to conditions of the acquisition agreement

^ Application for an extension of term, awaiting decision

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

# SUMMARY OF DEVELOPMENT, EXPLORATION AND EVALUATION EXPENDITURE INCURRED PER PROJECT

Project	Current Quarter Payments (\$'000)
Antas	793
Pedra Branca	1,284
CentroGold	2,509
Regional Exploration	58
Total	4,644





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#### CONTACT

#### **Nicholas Bias**

Head of Corporate Affairs nbias@avancoresources.com +61 (0)497 888 227 +44 (0)7771 450 679



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#### **DIRECTORS**

Tony Polglase Simon Mottram Luis Azevedo Vern Tidy Luiz Ferraz Paul Chapman

#### **MANAGEMENT**

Scott Funston Wayne Phillips Otávio Monteiro Jailson Araujo Nicholas Bias Tim Wither

Suite 3, 257 York Street, Subiaco WA 6008 Australia PO Box 1726, West Perth WA 6872 Australia AVANCORES OURCES.COM T +61 8 9324 1865 F. +61 8 9200 1850 info@avancoresources.com