

AVANCO RESOURCES LIMITED (AVB)

Site visit confirms next Cu-Au producer on the ASX

Avanco Resources has largely completed earthworks/civils and commenced mechanical construction of the processing plant at the Antas project in Brazil. A recent site visit by Hartleys research confirms the 'starter' project is on track to produce ~12ktpa Cu & ~7kozpa Au from CY16 onwards. Commissioning of some parts of the plant will likely commence in early December with an official startup date of 29th March 2016. We estimate Antas generates EBITDA of ~\$40mpa at spot and ~\$60mpa at consensus prices. The Antas mine allows the Company to advance the nearby and much larger Pedra Branca (Stage 2) project which has potential to produce ~30ktpa Cu and ~25kozpa Au from CY18 for ~12 years or more.

USD:BRL exchange rate reduces capex by ~US\$5m

Recent movement in the USD:BRL exchange rate has led to savings in the order of ~US\$5m on the ~US\$60m capex requirement for the Antas (Stage 1) project. These savings represent additional contingency and so help de-risk the project development/commissioning and allow the Company to continue exploration throughout the portfolio of greenfields and brownfields prospects. We particularly like the exploration upside at Pedra Branca (Stage 2) and look forward to further clarity with a scoping study and 'decision to mine' later in CY15. Our understanding is Pedra Branca has potential to produce in the order of ~1.5-2.0Mtpa for ~27-36ktpa Cu and combined with some upside at Antas North we see potential for group production in the order of ~50ktpa Cu from FY19 onwards.

High standard of workmanship, impressive technical team

Hartleys site visit to the Antas project saw a high standard of workmanship and safety akin to Australian standards. The project is currently on schedule, under budget and looking to finish within a build time of <12 months. Antas is one of only a small number of base metals mines currently being built by a junior on the ASX, this is testament to the technical ability and persistence of the AVB technical team. AVB recently increased the independence of the board with the addition of Vern Tidy as a Non-Executive Director, Vern is a Chartered Accountant with extensive corporate governance and financial compliance experience.

We see the Antas project well positioned to benefit from further improvements in the spot Cu & Au prices over the coming months. We expect the Company to finalise offtake agreements towards the end of CY15. Given the desirable quality of the Antas concentrate and the potential for additional concentrate from Pedra Branca in the future, we expect the Company to be offered favourable terms.

Staged development with exploration & acquisition potential

The Antas mine consists of a small open pit, mining at ~500ktpa and feeding the ~800ktpa processing plant. We see potential to fill the processing plant with increased production from the Antas open pit and with the addition of satellite ore from nearby prospects.

We see potential for more value to be added with the drill bit and with further acquisitions throughout the world class Carajas mineral province. Antas is an ideal 'starter' project for AVB to leverage into Pedra Branca (Stage 2) and become the next mid-tier copper producer on the ASX, we maintain our Speculative Buy recommendation and price target of 10c, NAV of 13c and spot NAV of 6c.

20 Sep 2015

Share Price	\$0.059
Valuation	\$0.13
Price Target (12 month)	\$0.10

Brief Business Description:
Cu-Au developer and explorer

Hartleys Brief Investment Conclusion
Brazilian Cu-Au developer ~12ktpa Cu & 7kozpa Au from Antas (stage 1) with growth potential at Pedra Branca (stage 2)

Chairman & MD
Colin Jones (Chairman & Non-Exec Director)
Tony Polglase (Managing Director)

Top Shareholders

Appian Natural Resources Fund	18.5%
Greenstone	16.7%
Blackrock Group	12.8%
Glencore	7.6%

Company Address
Level 3, 680 Murray St
West Perth WA, 6873

Issued Capital 2684.5m
- fully diluted 2684.5m

Market Cap A\$158.4m
- fully diluted A\$158.4m

Cash (est) A\$50.0m

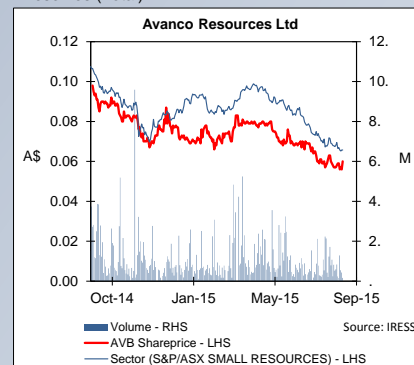
Debt A\$0.0m

EV A\$108.4m

EV/Resource lb A\$0.06/lb

	Prelim. (A\$m)	CY14a	CY15e	CY16e
Prod (kt Cu)	0.0	0.0	10.3	10.3
Op Cash Flw	-0.6	-7.6	50.5	
Norm NPAT	-3.8	-4.0	46.6	
CF/Share (cps)	-1.4	-1.3	0.8	
EPS (cps)	-1.4	-1.3	0.8	
P/E	-4.2	-4.6	7.0	

	Mt	Cu (%)	Au (g/t)
Resources	63.3	1.26	0.33
Reserves (ROM)	2.6	3.19	0.66
Reserves (Total)	3.6	2.53	0.55



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Fig. 1: *Antas project construction (04/09/2015)*



Source: Avanco Resources Limited

Fig. 2: *Antas project crusher civil works*



Source: Hartleys site visit photos

Fig. 3: *Antas project drone flyover*



Source: Avanco Resources Limited

VALUATION

Our sum of parts valuation for Antas and Pedra Branca assumes Antas moves in to production in Q1 CY16 and Pedra Branca in Q1 CY18. We model a 10 year minelife at Antas and 12 years at Pedra Branca but see potential upside at both projects. We model a nominal \$50m (\$0.02/share) for exploration upside. We believe AVB is well positioned for brownfield exploration success at both projects and within the regional exploration projects. We may revisit the exploration value if further exploration success is seen from the current regional exploration program.

Hartleys model 10 years at Antas (Stage 1) & 12 years at Pedra Branca (Stage 2)

Fig. 4: Antas and Pedra Branca model assumptions

	Antas (Stage 1) Project	Pedra Branca (Stage 2) Project
Capex - Total (\$m)	80	200
Life of mine Strip Ratio (x)	7.5x	UG
Life of mine average head grade	2.7% Cu, 0.5g/t Au	2.2% Cu, 0.5g/t Au
Life of mine mill feed (mt pa)	0.45mt pa	1.5mt pa
LOM Cu combined recovery & payability	81%	81%
Total Copper eq Sold	0.11Mt	0.30Mt
Total Copper eq Sold pa	11kt pa	25kt pa
Current Assumed Mine Life (yrs)	10yrs	12yrs
Commencement Date (qtr)	Mar-16	Mar-18
LOM avg selling price (USD/copper lb)	US\$ 2.98 /lb	US\$ 2.94 /lb
LOM avg C1 cash costs (USD/Cu eq lb)	US\$ 1.54 /lb	US\$ 2.10 /lb
LOM C2 cash costs (USD/Cu eq lb)	US\$ 1.79 /lb	US\$ 2.34 /lb
LOM C3 cash costs (USD/Cu eq lb)	US\$ 2.04 /lb	US\$ 2.58 /lb
Life of mine annual net cash flow (US\$m pa)	US\$ 28m pa	US\$ 45m pa
Spot pre-tax NPV (USDm), unfunded	US\$ 202.8m	US\$ 159.2m

Source: Hartleys Estimates

For the Antas project we assume eight years of open pit mining with an average LOM strip ratio of 7.5:1. In years nine and ten we assume underground mining at Antas North will combine with the low grade stockpiles to produce at a similar production as the preceding years. We model Pedra Branca to begin production in Q1 CY18 from an underground mine at ~1.5Mtpa. Our modelling for Pedra Branca is pre-scoping although based on a typical bulk tonnage underground mining scenario with a LOM head grade of ~2.2% Cu & 0.5g/t Au. We assume the Pedra Branca project produces for ~12 years which would see mining to a depth ~400m. Assuming the mineralisation extends at depth we see significant potential to extend the minelife at Pedra Branca beyond our modelled assumptions.

Pedra Branca pre-scoping has an UG LOM head grade of ~2.2% Cu & 0.5g/t Au

Fig. 5: Hartleys Sum of Parts Valuation for AVB

	A\$m	A\$/share
100% Pedra Branca (pre-tax NAV @ 14%)	209.2	0.06
100% Antas North (pre-tax NAV @12%)	202.8	0.06
Other Exploration	50.0	0.01
Forwards	0.0	0.00
Corporate Overheads	-49.2	-0.01
Net Cash (Debt)	50.0	0.01
Tax (NPV future liability)	-36.9	-0.01
Options & Other Equity	0.0	0.00
Hedging	0.0	0.00
Total	426.0	0.13

Source: Hartleys Estimates

Hartleys sum of parts valuation for AVB is A\$0.13/share

PRICE TARGET

Our price target for AVB assumes both Antas (Stage 1) and Pedra Branca (Stage 2) move into production over the coming years. We believe Antas (Stage 1) is an excellent 'starter' project though significant upside exists with Pedra Branca (Stage 2). Both projects combined will see AVB become a mid-tier copper producer with a relatively large, long life copper mining business. Our price target includes weighting for the base case at consensus and spot prices and a weighting for the net cash backing.

Hartleys 12 month price target is 10 cents per share

Fig. 6: AVB Price Target Methodology

Price Target Methodology	Weighting	Spot	12 mth out
NPV base case	60%	\$0.13	\$0.14
NPV at spot commodity and fx prices	30%	\$0.06	\$0.06
Net cash backing	10%	\$0.02	\$0.02
Risk weighted composite		\$0.10	
12 Months Price Target		\$0.10	
Shareprice - Last		\$0.059	
12 mth total return (% to 12mth target)		74%	

Source: Hartleys Estimates

RISKS

Fig. 7: Key assumptions and risks for valuation

Assumption	Risk of not realising assumption	Risk to valuation if assumption is incorrect	Comment
450ktpa Antas (Stage1) & 1.5Mtpa Pedra Branca (Stage 2)	Moderate	Meaningful	AVB is highly leveraged to the success of the Antas Copper project. We model a 450ktpa 'starter' project followed by a 1.5Mtpa project at Pedra Branca. If either project varies from our modelled scenarios our valuation will be at risk to the downside
Model parameters	Moderate	Meaningful	We have made a number of large assumptions in our valuation of AVB, changes in these assumptions can change our valuation to both the upside and downside.
Exploration potential	Moderate	Meaningful	We assume exploration upside at both projects and throughout the region. We believe this assumption is reasonable given the geological prospectivity of the world class Carajas province.
Funding	Moderate	High	We model Pedra Branca (Stage 2) to be funded with new conventional debt and equity. We believe this assumption is acceptable given the Antas 'starter' project is fully funded.

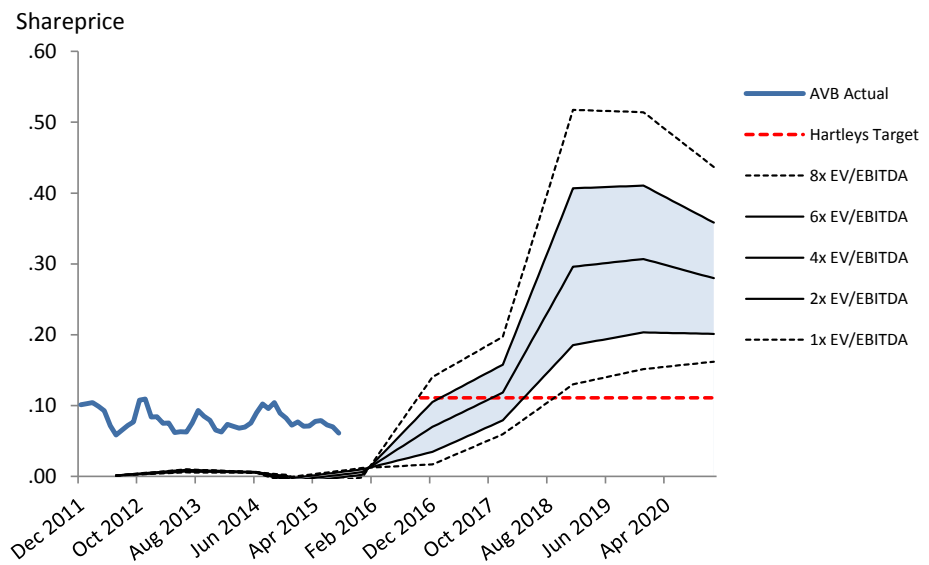
Conclusion

At this early Stage we have made significant assumptions but believe these are achievable.

Source: Hartleys Research

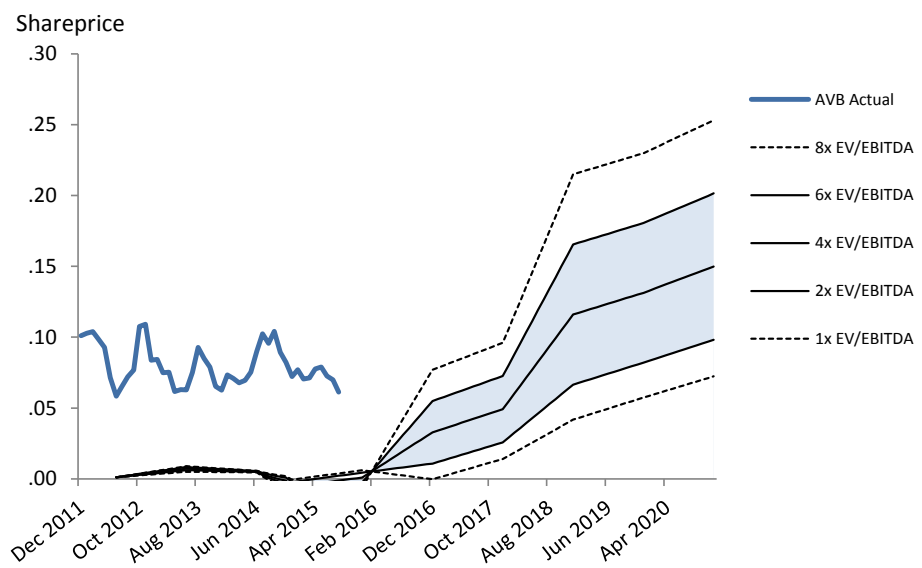
EV/EBITDA BANDS

Fig. 8: Using Hartleys base case commodity forecasts



Source: Hartleys Estimates, IRESS

Fig. 9: Using spot commodity prices



Source: Hartleys Estimates, IRESS

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Hartleys Recommendation Categories

Buy	Share price appreciation anticipated.
Accumulate	Share price appreciation anticipated but the risk/reward is not as attractive as a "Buy". Alternatively, for the share price to rise it may be contingent on the outcome of an uncertain or distant event. Analyst will often indicate a price level at which it may become a "Buy".
Neutral	Take no action. Upside & downside risk/reward is evenly balanced.
Reduce / Take profits	It is anticipated to be unlikely that there will be gains over the investment time horizon but there is a possibility of some price weakness over that period.
Sell	Significant price depreciation anticipated.
No Rating	No recommendation.
Speculative Buy	Share price could be volatile. While it is anticipated that, on a risk/reward basis, an investment is attractive, there is at least one identifiable risk that has a meaningful possibility of occurring, which, if it did occur, could lead to significant share price reduction. Consequently, the investment is considered high risk.

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