

# **GALENA MINING LIMITED (G1A)**

# Abracadabra; G1A pulls a great deal out of the hat

Tokyo listed (ticker 5707) and non-ferrous metals smelter, Toho Zinc, has executed an agreement with Galena Mining Limited (G1A) to acquire 40% of Abra Mining Pty Ltd (AMPL). Toho will invest A\$90M for the 40% ownership; A\$10M cash plus financing A\$80M of Abra's initial capital expenditure for project development. We assume a 1.2Mtpa plant with estimated capex of A\$180M.

Net to G1A (look through) is \$58M for the sale of 40%. Hence, the look through value for 100% of the project from the transaction is A\$145M (43cps given 337M shares on issue and escrowed), which is lower than our previous (preliminary) valuation. However, it now means that the financing structure for Abra is more certain. The transaction is in three tranches (A\$20M on transaction close, \$10M on DFS and A\$60M on project finance). We estimate that the JV should be capitalised with sufficient equity from this transaction and the balance of capital should be able to be debt financed. If there is a higher capital requirement, contributions will be on a 60/40 basis.

The transaction is still conditional, including due diligence (negative \$2M impact threshold). Other terms and conditions include funding support from Toho whereby it will assist AMPL to procure, by leveraging the attractive programmes available to it from its relationships with Japanese lenders, a contribution to project financing debt, which we estimate will be A\$100M. AMPL's board will consist of five directors, three to be appointed by G1A and two by Toho. The Chairman of AMPL will be selected from within the three G1A representatives.

Note that AMPL is the owner of the Abra Lead-Silver Project in WA and a wholly owned subsidiary of G1A. The \$10M cash payment to G1A is repayment of an intercompany loan between AMPL and G1A.

# Toho already has an Australian presence

Toho has four core business areas; mineral resources, smelting and refining, environment and recycling, and electronic components. In 2010, Toho acquired the publicly-listed Australian mining company CBH Resources Limited to increase Toho's self-sufficiency for zinc and lead ore. Through CBH, Toho continues to be a significant miner of lead, zinc and silver in Australia via the Rasp and Endeavor mines in New South Wales.

# Fantastic in terms of de-risking financing

The deal looks to be very good for G1A. It leaves little to no equity requirement to fund the Abra and de-risks the project in terms of financing. We have updated our model as per the details of the deal announcement and model 60% ownership of the project to G1A. We assume G1A requires A\$60M of debt funding (A\$100M for the whole project – 100%). We await release of the Optimised PFS, which may include capital expenditure decreases, and model Abra as per the latest mine plan (16.4Mt @ 8.2% Pb & 22g/t Ag). We maintain our Speculative Buy recommendation with a NAV of 46cps (up from 44cps), spot NAV is 59cps and our 12-month price target is 50cps (up from 41cps). We estimate G1A's cash post the Toho deal at \$61.2M.

# G1A.asx Speculative Buy

	31 Jan 2019
Share Price	\$0.245
Preliminary Valuation	\$0.46
Price Target - 12 months	\$0.50

#### **Brief Business Description:**

Single asset, WA focussed, lead-silver (+zinc, copper, gold) explorer/developer

### Hartleys Brief Investment Conclusion

The Abra deposit was first drilled in 1981 and has previously been defined to depths of over 500m below surface. -A\$20M has been spent by previous ow ners in defining a high tonnage, lower grade deposit. G1A listed in mid-2017 and has defined a high grade resource of 37.4Mt @ 7.5% Pb & 18g/t Ag.

#### Chairman & CEO

Adrian Byass (Non-Exec Chairman) Alexander Molyneux (Managing Director)

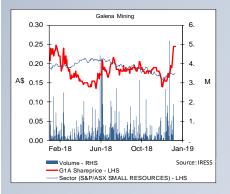
#### Ton Shareholders

Bloomgold Resources Pty Ltd	24.4%
Jonathan Downes	3.9%
Adrian Byass	3.3%

#### Company Address

Level 1, 329 Hay Street Subjaco, WA 6008

Issued Capital			337.0m
- fully diluted			388.3m
Market Cap			A\$82.6m
- fully diluted			A\$95.1m
Cash (post Toho investme	ent)		A\$61.2m
Debt (est 31 Dec 2018)			A\$0.0m
EV			A\$21.4m
EV - fully diluted			A\$31.8m
	Mt	Pb (%)	Ag (g/t)
Resource	37.4	7.5%	18
Reserve	10.3	8.8%	24



Paul How ard Resources Analyst Ph: +61 8 9268 3045 E: paul.how ard@hartleys.com.au

Hartleys has assisted in the completion of a capital raising for Galena Mining Limited ("Galena") in the last 12 months for w hich it has earned fees. Hartleys has provided corporate advice w ithin the past 12 months and continues to provide corporate advice to Galena, for w hich it has earned fees and continues to earn fees.

# **SUMMARY MODEL**

Marc   Propose	Galena Mining G1A						Snar	e Price \$0.245						31 Janu Specula	•
State Part   P	Key Market I <u>nformation</u>								Directors					ompany In	form <u>atic</u>
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Section   Sect	ssued Capital (fully diluted i	nc. all opt	ions and new c	apitai)				388.3m							3.
Second Property   Second Pro									Adrian Byass					11.1	3.
Marche   M															
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Pier S Te Prefet   After   1.12   1.16   3.18   2.06   4.64   3.12   5.06   7.15   7	EBIT	A\$m	-1.2	-2.2	-3.8	21.9	46.0	38.7	Inferred		22.4	6.7	15	1501	1
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Tax Experience	Pre-Tax Profit	A\$m	-1.2	-1.6	-3.8	20.6	44.6	38.2	Mine Plan		16.4	8.2	22	1345	1
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Cash   African									Silver produced		-	-	395	789	7
Physical Lead Equity   March   1.0	Balance Sheet	Unit	30 Jun 18 30	Jun 19 3	0 Jun 20 3	0 Jun 21 3	0 Jun 22 3	0 Jun 23	Payable Lead	kt	-	-	44.4	88.8	8
Physical Lead Equity   March   1.0	Cash	A\$m	8.5	28.7	88.1	66.7	41.8	50.4	-	koz		-		750.0	75
Total Current Assets											-	-		95.1	g
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Total Curr. Liabilities			1.0	0.1	0.2	4.6	8.8	8.8			-	-		0.72	0.
Long Term Borrowings	Total Curr. Liabilities	A\$m	1.0	0.1	0.2	4.6	8.8	8.8			-	-	0.55	0.56	0.5
Chief   Asm				-					C1 (Net of Credits)		-	-	0.49	0.50	0.5
Total Non-Curr. Liabili. A5m			-	-	-	-	-	-			-	-			0.8
Total Liabilities	Fotal Non-Curr. Liabil.	A\$m	-	-	60.0	60.0	40.0	20.0			-	-	0.76	0.75	0.
Nel Debt									(a) + actual cash for development = (d)		-	-			0.8
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Cash Hole   Unit   30 Jun 18   30 Jun 18   30 Jun 19   30 Jun 29   30 Jun 22   30 Jun 23   30 Jun 24   30 Jun 25   30 Jun 26   30 Jun 26   30 Jun 27   30 Jun 27   30 Jun 28   30 Jun 29   30 Jun 28   30 Jun 28   30 Jun 29   30 Jun 28   30 Jun 28   30 Jun 29   30 Jun 28   30 Jun 28   30 Jun 29   30 Jun 29   30 Jun 28   30 Jun 29	Net Debt	A\$m	-8.5	-28.7	-28.1	-6.7	-1.8	-30.4	(d) + Royalty	\$A/lb Pb Eq	-	-			0.
Operating CastMow   ASm   -5.5   -2.4   -2.5   14.0   40.2   44.9									AISC - Payable		-	-			0.8
Income Tax Paid A \$m											-	-			0.0
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Lead															30 Jun
Shere   US\$/oz   17.20   17.97   18.51   18.71															0.78
Property, Plant & Equip.   ASm   0.0   0.0   -34.1   -34.1   -34.3   -4.4	operating Activities	ΑֆM	-5.5	-1.8	-2.5	12.7	29.4	33.0							0.93
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Ordinary Shares - End         m         336.6         336.6         353.3         371.3         3771.3         3	Shares	Uni <u>t</u>	30 Jun 18_30	) Jun <u>19_3</u>	0 Jun <u>20_3</u>	0 Jun <u>21_3</u>	0 Jun <u>22_3</u>	0 Jun_23							0%
Ordinary Shares - Weighted m         307.3         336.6         344.9         362.3         371.3           Diluted Shares - Weighted m         368.5         387.8         387.															0%
Ratio Analysis Unit 30 Jun 18 30 Jun 19 30 Jun 20 30 Jun 22 30 Jun 23 Cashflow Per Share A\$ cs 1.8 -0.5 -0.8 3.7 8.1 8.9 Cashflow Multiple x -13.7 -45.7 -32.6 6.6 3.0 2.8 Earnings Per Share A\$ cs -0.5 -0.1 6.0 9.7 7.2 Price to Earnings Ratio x -62.0 -50.3 -21.7 4.1 2.5 3.4 Dividends Per Share AUD		d m		336.6		344.9	362.3	371.3					0.0	0.00	0.0%
Ratio Analysis Unit 30 Jun 18 30 Jun 19 30 Jun 20 30 Jun 21 30 Jun 22 30 Jun 23 30 Jun 24 30 Jun 24 30 Jun 24 30 Jun 25 30 Jun 26 30 Jun 26 30 Jun 27 30 Jun 27 30 Jun 27 30 Jun 28 30 Jun	Diluted Shares - Weighted	m	358.5	387.8	387.8	387.8	387.8	387.8							5.0%
Cashflow Per Share         A\$ cps         -1.8         -0.5         -0.8         3.7         8.1         8.9           Cashflow Multiple         x         -13.7         -45.7         -32.6         6.6         3.0         2.8           Carnings Pr Share         A\$ cps         -0.4         -0.5         -1.1         6.0         9.7         7.2           Price to Earnings Ratio         x         -62.0         -50.3         -21.7         4.1         2.5         3.4           Dividend S Per Share         AUD         -         -         -         -         -           Dividend S Per Share         AUD         -         -         -         -         -           Dividend S Per Share         AUD         -         -         -         -         -         -           Dividend S Per Share         AUD         -															5%
Zashflow Multiple         X         -13.7         -45.7         -32.6         6.6         3.0         2.8           Earnings Per Share         A\$ cps         -0.4         -0.5         -1.1         6.0         9.7         7.2           Dividends Per Share         A UD         -         -         -         -         -         -           Net Debt / Net Debt + Equity         %         -0.0%         0.0%									TOTAL		-	34.75	3.6	0.10	10.3%
Earnings Per Share A\$ cps -0.4 -0.5 -1.1 6.0 9.7 7.2 hrice to Earnings Ratio x -62.0 -50.3 -21.7 4.1 2.5 3.4 bridend Share AUD		A\$ cps													
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Dividend Yield % 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0			-62.0	-50.3	-21.7	4.1	2.5	3.4							0
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Interest Cover X - 3.9 na 17.2 33.5 92.8 Return on Equity % na na na 64% 52% 28% Options & Other Equity															-0
Return on Equity % na na na 64% 52% 28% Options & Other Equity 0 Total 177			-103%												0
Total 177			-												-0
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Analyst: Paul Howard 61 8 9268 3045													Las	si updated:	1/01/2

# THE DEAL

Essentially, Toho invests \$90M into AMPL. \$10M goes straight back out to G1A as a loan repayment, so there is \$80M sitting in the JV of which G1A owns 60%. G1A's share (60%) of the \$80M in AMPL is \$48M. Adding the \$10M it receives from AMPL, the deal generates \$58M for G1A and it gets to keep 60% of the project. In other words, it has sold 40% for \$58M. Toho comes away with 40%, worth \$32M (40% of the \$80M in the JV).

On a per share basis, the \$145M look through value (G1A sold 40% for \$58M implies \$145M for 100%) equates to 43cps valuation for the project (337M shares on issue or escrowed). Note our previous valuation for G1A was 44cps, so this gives us a level of comfort in the value of the deal. If G1A now has 60%, the project is worth 26cps on look through (and 37cps in our DCF model) to G1A but it also has an extra \$58M cash from the deal, which equals 16cps, plus \$50M worth of exploration value (13cps), less tax, corporate overheads etc. On look through, the valuation for G1A should be somewhere between 40c and 50c, which is a good sense check given our DCF valuation for G1A with 60% of the project is 46cps.

## **VALUATION**

Our sum of parts valuation for G1A is based on the new Toho deal transacting, discounted cashflows for the Abra Project as shown by the PFS, Company guidance and recent resource, reserve and mine plan update. Our model assumes the project can now be funded 100% through debt and commence production in early 2021. We model an updated nominal \$50M for exploration, which includes the copper-gold targets at depth beneath Abra but now excludes the Woodlands and Manganese Range/Quartzite Well assets to be spun into Metals Range.

Hautland Come of Dauta Valuation for CAA

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Our	v a i	ual	1011	10	700

Fig. 1:	Hartieys' Sum of Parts Valuati	on for G1A	
Valuation		A\$M	A\$/s
60% Abra (pre	e-tax NAV at disc. rate of 12%)	143	0.37
Other Assets/	Exploration	50	0.13
Forw ards		0	0.00
Corporate Ove	erheads	-32	-0.08
Net Cash (Deb	ot)	61	0.16
Tax (NPV futu	re liability)	-45	-0.12
Options & Other	er Equity	0	0.00
Total		177	0.46

Source: Hartleys' Estimates

# PRICE TARGET

We assume a new mine inventory of ~16.4Mt @ 8.2% Pb and 22g/t Ag from a 1.2Mtpa underground operation, using \$125/t opex and pre-production capital of A\$180M. We model production of ~90Ktpa PbEq over a 13-year mine life from a 1.2Mtpa plant at a conservative LOM Pb price of US\$0.90/lb. Lead recoveries have been modelled at 95% with 95% payabilities.

Our fully diluted price target is derived from a blended scenario comprised of a discounted cashflow analysis of a Pb-Ag operation at Abra, a base case at consensus and spot pricing, potential reduction in capital costs in the upcoming Optimised PFS, a scenario where G1A does not develop the project (exploration value), a scenario where the project is acquired at a premium by a major and a net cash backing case.

Fig. 2: Hartleys G1A Price Target				
Price Target Methodology	Weighting	Spot	12 Month	
Abra NPV @ 12% - Base Case, assuming equity dilution	40%	\$0.46	\$0.51	
NPV at spot commodity and fx prices	15%	\$0.59	\$0.66	
Base Case & A\$30M reduction in LOM capital costs	25%	\$0.49	\$0.55	
Project acquired by a major	10%	\$0.37	\$0.37	
Exploration value - no development	5%	\$0.19	\$0.19	
Net cash backing	5%	\$0.18	\$0.18	
Risk weighted composite		\$0.45		
12 Months Price Target		\$0.50		
Shareprice - Last		\$0.245		
12 mth total return (% to 12mth target + dividend) 102%				

Our 12-month price target for G1A is 50cps

Source: Hartleys' Estimates

# **RISKS**

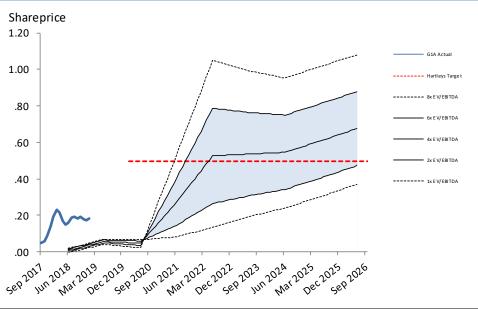
Key risks for Galena include final execution of the Toho deal, converting current resources to reserves, further development studies and commodity sentiment/demand.

ig. 3: Key assumption		_	Commont
Assumption	Risk of not realising assumption	Risk to valuation if assumption is incorrect	Comment
~90kt PbEq for ~14years	Moderate	High	We assume G1A can mine in excess of the current reserve as per the latest 'mine model'. There is moderate risk surround this.
Metallurgy	Low	Meaningful	Recent met work suggests that 96% recoveries can be achieved, we model a lower 95% for Pb and 93% for Ag.
Exploration Upside	Moderate	Moderate	We assume a high level of exploration upside for G1A. We have assumed a \$70m value on the exploration potential at Abra and on adjacent projects.
Lead Price	Moderate	High	Our lead price forecasts are in line with sell side consensus.
Funding	Moderate	High	We assume the Toho deal executes and only debt funding remains.
Lead demand	Moderate	High	The emergence of the EV space puts lead (batteries) demand at risk.
Conclusion	•		moderate risk of not being. We believe is the highest modity prices and demand, and funding.

Source: Hartleys' Research

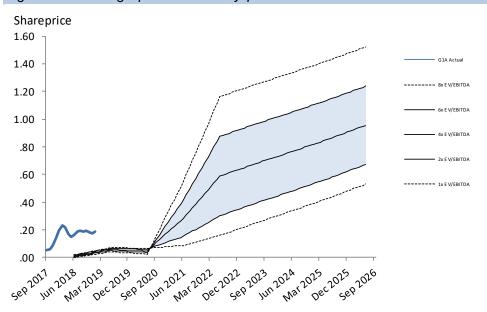
# **EV/EBITDA BANDS**

Fig. 4: Using Hartleys base case commodity forecasts



Source: Hartleys' Estimates, IRESS

# Fig. 5: Using spot commodity prices



Source: Hartleys' Estimates, IRESS

# HARTLEYS CORPORATE DIRECTORY

### Research

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## **Hartleys Recommendation Categories**

Buy Share price appreciation anticipa	ted.
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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 / It is anticipated to be unlikely that there will be gains over

Take profits 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 Share price could be volatile. While it is anticipated that, Buy on a risk/reward basis, an investment is attractive, there

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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