

JUPITER MINES LTD (JMS)

Increasing our 1H DPS estimate (again)

Jupiter Mines Ltd (JMS) announced that it expects Tshipi to distribute a total 1H FY20 dividend of ZAR1.75billion (ZAR0.875b on JMS basis). The dividend is higher than previously estimated by Tshipi/JMS (ZAR1.55-1.65b), mainly due to additional low-grade product sold in the second quarter and currency depreciation.

The total dividend implies ~A\$87.5m to JMS, which equates to ~4.5cps, but after withholding tax and other JMS costs, we estimate it equates to ~4cps for JMS shareholders.

We had previously assumed a 3.75cps 1H DPS, and have increased our assumption to 4cps. We have not changed our 2H estimate of 1.75cps

Maintain Buy

Spot manganese prices have continued to fall, but we use even lower prices in our model (our assumptions are similar to sell side consensus) – See Fig. 4 on page 4. Hence, on spot prices, JMS will still continue to exceed our formal dividend expectations.

We have a 46cps twelve month target + 5.75cps DPS (4.0cps + 1.75cps).

Fig. 1: Earnings Changes

Tshipi (49.9%)	Unit	28 Feb 19		29 Feb 20			28 Feb 21	
		actual	Old	New	% chg	Old	New	% chg
Production (100%)	Mtpa	3.4	3.0	3.1	1.5%	3.0	3.0	0.0%
Received Price	US\$/dmtu	5.7	5.0	5.0	0.0%	4.5	4.5	-0.3%
AUD	US\$/A\$	0.72	0.70	0.68	-2.2%	0.71	0.70	-1.7%
ZAR	Rand/US\$	14.2	14.1	14.5	3.0%	14.2	14.6	2.8%
Tshipi Revenue (49.9%)	A\$m	497.9	392.5	407.3	3.8%	342.9	347.9	1.4%
	ZARm	5079.4	3880.0	4053.0	4.5%	3467.6	3555.6	2.5%
Tshipi Cash Costs (49.9%)	A\$m	-236.4	-215.3	-217.5	1.0%	-210.6	-209.6	-0.5%
	ZARm	-2411.8	-2128.1	-2164.1	1.7%	-2129.3	-2142.2	0.6%
	ZAR/t	-1412.0	-1412.5	-1415.1	0.2%	-1421.0	-1429.6	0.6%
Tshipi EBITDA (49.9%)	A\$m	261.5	177.2	189.8	7.1%	132.3	138.3	4.5%
- margin		52.5%	45%	47%	3.2%	39%	40%	3.0%
Tshipi, 100%, EBITDA	A\$m	522.9	355.2	380.4	7.1%	265.2	277.1	4.5%
Tshipi, 100%, Cash dist	A\$m	316.1	252.5	270.2	7.0%	156.3	163.7	4.7%
% of EBITDA		60%	71%	71%	-0.1%	59%	59%	0.2%
Tshipi, 100%, Cash dist	ZARm	3,224	2,496	2,689	7.7%	1,581	1,673	5.8%
Tshipi, 100%, EBITDA	ZARm	5345.9	3510.8	3785.5	7.8%	2681.9	2832.4	5.6%
Tshipi, 100%, EBITDA	US\$	376.9	248.8	260.6	4.7%	188.8	194.0	2.7%
Tshipi NPAT (49.9%)	A\$m	189.5	122.6	131.6	7.4%	90.3	94.5	4.7%
payout		83%	103%	103%	-0.4%	87%	87%	0.0%
DPS		0.075	0.055	0.0575	4.5%	0.030	0.030	0.0%

Source: Hartleys Estimates

	6 Sep 2019
Share Price	\$0.375
Valuation	\$0.45
12mth price target	\$0.44
Brief Business Description:	

Manganese producer in Sth Africa (via 49.9% interest in Tshipi mine)

Hartleys Brief Investment Conclusion

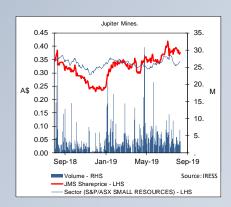
Long mine life, low cost and highly incentivised management for shareholder friendly capital management. Risks are Sth Africa sovereign risk & manganese price volatility.

Chairman & MD

Brian Gilbertson (Chairman)	
Priyank Thapliyal (CEO)	
Top Shareholders	
AMCI	17.2%
Stichting Pensioenfonds	12.9%
Posco	6.9%

Company Addres

Level 10, 16 St Georg	es Terrace		
Perth WA, 6000, Aust	ralia		
Issued Capital			1959.0m
- fully diluted			1959.0m
Market Cap			A\$734.6m
- fully diluted			A\$734.6m
Cash (31 May 19p)			A\$107.0m
Debt (31 May 19p)			A\$0.0m
EV			A\$627.6m
	Mt	Mn grade	
Resources (Mt)	459.5	33%	
Reserves (Mt)	86.41	36.32	



Authors

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website www.hartleys.com.au

Jupiter Mines Ltd JMS					
Key Market Information					
Share price					A\$0.375
Issued Capital					1959.0m
Options, performance rights and p Options, performance rights and p					0.0m 0.0m
Issued Capital (fully diluted inc. al		iles			1959.0m
Issued Capital (fully diluted inc. al		new capital)			1959.0m
Net Cash					\$107.0m
Twelve month price target					A\$0.44
Valuation Tshipi (49.9%)	Unit	28 Feb 18a	28 Feb 19a	29 Feb 20f	A\$0.45 28 Feb 21f
Tshipi Revenue (49.9%)	A\$m, CFR	371.4	497.9	407.3	347.9
·····	ZARm	3659.7	5079.4	4053.0	3555.6
Tshipi Cash Costs (49.9%)	A\$m CFR	-214.2	-236.4	-217.5	-209.6
	ZARm	-2110.8	-2411.8	-2164.1	-2142.2
Tshipi EBITDA (49.9%)	A\$m	157.2	261.5	189.8	138.3
- margin Tshipi, 100%, EBITDA	A\$m	42%	53% 524.0	47% 380.4	40% 277.1
Tshipi, 100%, Cash dist	A\$m	161.0	316.1	270.2	163.7
% of EBITDA			60%	71%	59%
Tshipi, 100%, EBITDA	ZARm		5345.9	3785.5	2832.4
Tshipi, 100%, EBITDA	US\$		376.9	260.6	194.0
Tshipi, 100%, EBITDA - reported	A\$m		585.3	431.4	321.0
Tshipi NPAT (49.9%)	A\$m	96.3	189.5	131.6	94.5
payout		96.3 84%	83%	103%	94.5 87%
JMS	Unit	28 Feb 18a	28 Feb 19a	29 Feb 20f	28 Feb 21f
JMS Reported Revenue	A\$m	-0.4	0.0		
JMS Reported COGS JMS Reported GP	A\$m A\$m	0.3 -0.1	0.0		
JMS Reported Profit	A\$m	92.2	142.2		
JMS Balance Sheet	Unit	28 Feb 18a	28 Feb 19a	29 Feb 20f	28 Feb 21f
Cash	A\$m	76.5	72.8	70.9	76.1
Other Current Assets	A\$m	45.9	85.2	85.2	85.2
Total Current Assets	A\$m	122.5 0.0	158.0 0.0	156.1 0.0	161.2 0.0
Property, Plant & Equip. Exploration	A\$m A\$m	8.7	10.8	10.8	10.8
Investments/other	A\$m	386.6	424.8	424.8	424.8
Tot Non-Curr. Assets	A\$m	395.3	435.6	435.6	435.6
Total Assets	A\$m	517.8	593.6	591.6	596.8
Short Term Borrowings	A\$m	-	-	-	-
Other Total Curr. Liabilities	A\$m A\$m	49.1 49.1	132.9 132.9	132.9 132.9	132.9 132.9
Long Term Borrowings	A\$m	43.1	132.5	132.5	132.9
Other	A\$m	2.6	51.2	51.2	51.2
Total Non-Curr. Liabil.	A\$m	2.6	51.2	51.2	51.2
Total Liabilities	A\$m	51.6	184.1	184.1	184.1
Net Assets	A\$m	466.2	409.5	407.6	412.7
Net Debt (net cash)	A\$m	-76.5	-72.8	-70.9	-76.1
JMS Cashflow	Unit	28 Feb 18a	28 Feb 19a	29 Feb 20f	28 Feb 21f
Operating Cashflow	A\$m	28 Feb 18a 90.6	28 Feb 19a 158.4	29 Feb 20f 132.0	28 Feb 21f 78.4
Income Tax Paid	A\$m	0.0	-12.4	-6.6	-4.7
Interest & Other	A\$m	0.3	0.3	0.0	0.0
Operating Activities	A\$m	90.9	146.4	125.4	73.7
Deserve to Direct & T	4.0	a -			
Property, Plant & Equip. - off JMS b/s (ie Tshipi)	A\$m	0.0 0.0	0.0 -6.7	0.0 -6.5	0.0 -6.5
Exploration and Devel.	A\$m	-0.9	-0.7	-6.5	-6.5
Other	A\$m	3.1	0.0	0.0	0.0
Investment Activities	A\$m	2.2	-0.9	0.0	0.0
Distance data and		0.0	0.0	0.0 0.0	0.0 0.0
	A\$m A\$m	-102.4	-51.1		0.0
Equity or "tbc capital"	A\$m	-102.4 0.0	-51.1 -97.9		-68.6
Equity or "tbc capital" Dividends Paid		-102.4 0.0 -102.4	-51.1 -97.9 -149.1	-127.3 -127.3	-68.6 -68.6
Equity or "tbc capital" Dividends Paid Financing Activities	A\$m A\$m A\$m	0.0 -102.4	-97.9 -149.1	-127.3 -127.3	
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow	A\$m A\$m A\$m A\$m	0.0 -102.4 -9.3	-97.9 -149.1 - 3.6	-127.3 -127.3 -1.9_	-68.6 5.1
Equity or [*] tbc capital* Dividends Paid Financing Activities Net Cashflow Shares	A\$m A\$m A\$m A\$m Unit	0.0 -102.4 -9.3 28 Feb 18a	-97.9 -149.1 -3.6 28 Feb 19a	-127.3 -127.3 -1.9 29 Feb 20f	-68.6 5.1 28 Feb 21f
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow Shares Ordinary Shares - End	A\$m A\$m A\$m A\$m Unit m	0.0 -102.4 -9.3 28 Feb 18a 2064.5	-97.9 -149.1 -3.6 28 Feb 19a 1959.0	-127.3 -127.3 -1.9 29 Feb 20f 1959.0	-68.6 5.1 28 Feb 21f 1959.0
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow Shares Ordinary Shares - End Ordinary Shares - Weighted	A\$m A\$m A\$m A\$m Unit	0.0 -102.4 -9.3 28 Feb 18a	-97.9 -149.1 -3.6 28 Feb 19a	-127.3 -127.3 -1.9 29 Feb 20f	-68.6 5.1 28 Feb 21f
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow Shares Ordinary Shares - End Ordinary Shares - Weighted Diluted Shares - Weighted	A\$m A\$m A\$m A\$m Unit m m	0.0 -102.4 -9.3 28 Feb 18a 2064.5 2173.2	-97.9 -149.1 -3.6 28 Feb 19a 1959.0 1967.8	-127.3 -127.3 -1.9 29 Feb 20f 1959.0 1959.0	-68.6 5.1 28 Feb 21f 1959.0 1959.0
Ordinary Shares - End Ordinary Shares - Weighted Diluted Shares - Weighted	A\$m A\$m A\$m Dinit m m m	0.0 -102.4 -9.3 28 Feb 18a 2064.5 2173.2 2173.2	-97.9 -149.1 -3.6 28 Feb 19a 1959.0 1967.8 1967.8	-127.3 -127.3 -1.9 29 Feb 20f 1959.0 1959.0 1959.0	-68.6 5.1 28 Feb 21f 1959.0 1959.0 1959.0
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow Shares Ordinary Shares - End Ordinary Shares - Weighted Diluted Shares - Weighted Diluted Shares - Weighted Cashflow Per Share	A\$m A\$m A\$m Unit m m m Unit A\$ cps	0.0 -102.4 -9.3 28 Feb 18a 2064.5 2173.2 2173.2 28 Feb 18a 4.2	-97.9 -149.1 28 Feb 19a 1959.0 1967.8 28 Feb 19a 28 Feb 19a 7.4	-127.3 -127.3 29 Feb 20f 1959.0 1959.0 1959.0 29 Feb 20f 6.4	-68.6 5.1 28 Feb 21f 1959.0 1959.0 1959.0 28 Feb 21f 3.8
Equity or "tbc capital" Dividends Paid Financing Activities Net Cashflow Shares Ordinary Shares - End Ordinary Shares - Weighted Diuled Shares - Weighted Ratio Analysis Cashflow Per Share Earnings Per Share	A\$m A\$m A\$m Unit M M Unit A\$ cps	0.0 -102.4 -9.3 28 Feb 18a 2064.5 2173.2 2173.2 28 Feb 18a	-97.9 -149.1 28 Feb 19a 1959.0 1967.8 28 Feb 19a 28 Feb 19a 7.4	-127.3 -127.3 29 Feb 201 1959.0 1959.0 29 Feb 201 6.4 nm	-68.6 5.1 28 Feb 211 1959.0 1959.0 28 Feb 211 3.8 nm
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Directors			Laural 46	Company	
Brian Gilbertson (Chairman) Priyank Thapliyal (CEO)), 16 St Georg Perth WA, 600	
Paul Murray (Non-exec)					8 9346 550
Andrew Bell (Non-exec)				Fax: +61	8 9481 593
Yeongjin Heo (Non-exec, Posco Nom Melissa North - CFO	inee)		W	eb: www.jupite	
Top Shareholders AMCI					17.29
Stichting Pensioenfonds					12.99
Posco					6.99
Reserves & Resources	Mt	% Mn			able to JM
Measured Indicated	103 119	34.1 33.5			Atrib: 51M Atrib: 60M
Inferred	237	33.5			Atrib: 60M
TOTAL Resources	460	33.1			trib: 229M
Reserve	86	36.3			Atrib: 43M
Production Summary	Unit	28 Feb 18a	28 Feb 18a	29 Feb 20f	28 Feb 21
Mill Throughput Saleable Product	Mt Mt	3.8 3.4	3.8 3.4	3.4 3.1	3.3 3.0
- grade Mn	Mt	36.5%	36.5%	36.5%	36.55
Saleable Product (attrib to JMS)	Mt	1.7	1.7	1.5	1.
Mass recovery		91.0%	90.3%	91.0%	91.09
Mine Life	%	49.25	49.25	47.25	46.25
Assumed Mine Inventory (end) Costs	Mt Unit	135.1 28 Feb 18a	135.1 28 Feb 18a	127.9 29 Feb 20f	124.0 28 Feb 21
Cost per milled tonne	A\$/t	108.9	108.1	114.3	20 Feb 2
EBITDA / tonne milled ore	A\$/t	83.6	138.0	112.7	83.8
	US\$/t	64.8	99.3	77.2	58.7
Fotal cost / tonne product cfr	A\$/t	125	138	142	140
	ZAR/t	1,236	1,412	1,415	1,430
	ZAR\$/dmtu US\$/t	34 97	39 100	39 97	39 98
	US\$/dmtu	2.7	2.7	2.7	2.7
Price Assumptions	Unit	28 Feb 18a	28 Feb 19a	29 Feb 20f	28 Feb 21
AUDUSD	A\$/US\$	0.78	0.72	0.68	0.70
JSDZAR AUDZAR		12.71 9.85	14.18 10.20	14.53 9.95	14.60 10.22
Manganese: 44% benchmark cfr	US\$/dmtu	6.32	7.31	5.79	5.09
Manganese: 44% benchmark cfr	US\$/t	278	322	255	224
ron Ore 62% benchmark cfr	US\$/t	66.0	73.6	89.9	73.2
Tshipi received price cfr	US\$/t	168.6	209.7	182.4	162.5
	US\$/dmtu	4.6	5.7	5.0	4.5
	ZAR\$/dmtu	58.7 6.0	81.5 8.0	72.6 7.3	65.0 6.4
/aluation multiples	A\$/dmtu	28 Feb 18a	28 Feb 19a	29 Feb 20a	28 Feb 21
EV/EBITDA	x	4.0	2.4	3.3	4.5
Div Yield	%	0.0%	20.0%	15.3%	8.05
Hedging none	Unit	28 Feb 18a	28 Feb 19f	29 Feb 20f	28 Feb 21
Sensitivity Analysis		Valuation	FY21 p	ro-froma EBI	TDA
Base Case Spot Prices		0.45 0.63 (39.7%)		138.3	32.6 (17.6%
Spot USD/AUD 0.68, USD/ZAR 14.9,	44% Mn CFR \$5.4		fob Sth Africa		2.0 (17.07
AUDUSD +/10%	0.37/0).55 (-18.3% / 2		8 / 170.6 (-19.	
Manganese +/10%).34 (23.5% / -2	,	8 / 104.7 (24.3	
Production +/10% Jnpaid Capital	0.54/0).36 (20.0% / -2	U.U%) 167.	1 / 109.4 (20.9	1% / -20.9%
Year Expires		<u>\$m</u>	Avg price %	6 ord	
28-Feb-19		0.0	0.00	0%	
29-Feb-20		0.0	0.00	0%	
28-Feb-21		0.0	0.00	0%	
28-Feb-22 28-Feb-23		0.0 0.0	0.00	0% 0%	
TOTAL		0.0 0.0	nm	0% 0%	
/aluation					A\$/sh
19.9% Tshipi (pre-tax NAV at disc. ra	e of 10%)				0.5
Tshipi Tax (NPV future liability)					-0.1
Marketing					0.0
Other Assets/Exploration					0.0 0.0
					-0.0
Forwards					
Forwards Corporate Overheads Net Cash (Debt)					0.0
Forwards Corporate Overheads Net Cash (Debt) Withholding Tax					0.0 -0.0
Forwards Corporate Overheads					

Analyst: Trent Barnett +61 8 9268 3052 "tbc capital" could be equity or debt. Our valuation is risk-adjusted for how this may be obtained. Sources: IRESS, Company Information, Hartleys Research

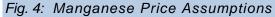
Fig. 2: Earnings Changes

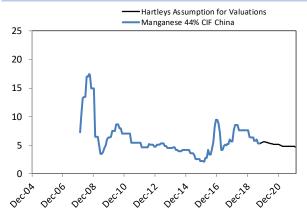
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Production (100%)	Mtpa	3.4	3.0	3.1	1.5%	3.0	3.0	0.0%	3.0	3.0	0.0%
Received Price	US\$/dmtu	5.7	5.0	5.0	0.0%	4.5	4.5	-0.3%	4.2	4.1	-0.4%
AUD	US\$/A\$	0.72	0.70	0.68	-2.2%	0.71	0.70	-1.7%	0.73	0.70	-3.5%
ZAR	Rand/US\$	14.2	14.1	14.5	3.0%	14.2	14.6	2.8%	14.1	14.6	3.8%
Tshipi Revenue (49.9%)	A\$m	497.9	392.5	407.3	3.8%	342.9	347.9	1.4%	313.3	323.6	3.3%
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% of EBITDA		60%	71%	71%	-0.1%	59%	59%	0.2%	58%	59%	0.6%
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Tshipi, 100%, EBITDA	ZARm	5345.9	3510.8	3785.5	7.8%	2681.9	2832.4	5.6%	2191.3	2399.1	9.5%
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payout		83%	103%	103%	-0.4%	87%	87%	0.0%	87%	87%	0.0%
DPS		0.075	0.055	0.0575	4.5%	0.030	0.030	0.0%	0.025	0.025	0.0%

Source: Hartleys Estimates

g. 3: Key assumptions Assumption	Risk of not realising assumption	Downside risk to valuation if assumption is incorrect	Comment
Mine life	Low	High	We assume a long mine life. The mining right expires in 2040 but we assume it is extended.
Discount rate	Moderate	Upside	We assume a discount rate of 10%, real.
FX	Moderate	Meaningful	We assume that the Rand appreciates modestly in near term, and then depreciates again.
Selling prices fall from current prices	Moderate	Most significant	We assume manganese selling prices retrace but remain well above cash costs.
Project interest	Low	Modest	We assume JMS retains its 49.9% interest in Tshipi.
Conclusion	We believe our assu		ese selling prices are the most important for our uation.

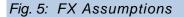
Source: Hartleys

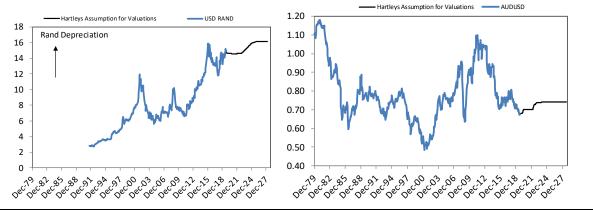






Source: Asian Metal, Hartleys estimates





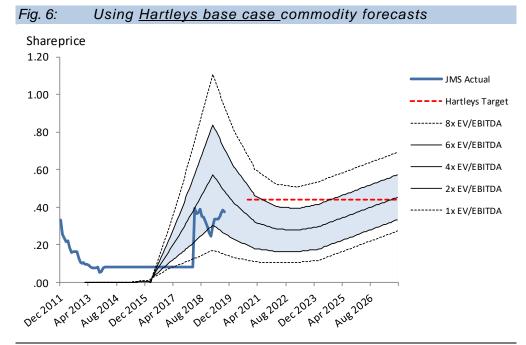
Source: Iress, Hartleys estimates

PRICE TARGET

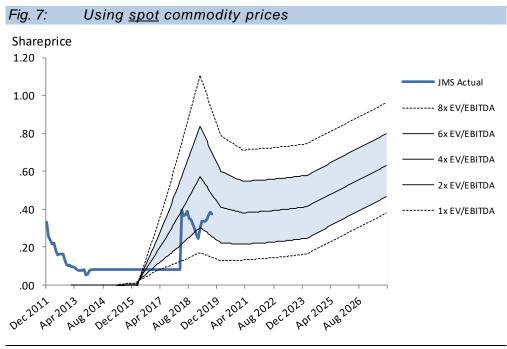
We have a twelve month price target of 44cps (unchanged from 44cps previous).

Price Target Methodology	Weighting	Spot	12 mth out
NPV base case valuation	70%	\$0.45	\$0.4
NPV spot valuation	8%	\$0.63	\$0.6
4x EV/EBITDA	5%	\$0.37	\$0.30
10x EV/EBITDA	5%	\$0.87	\$0.69
Dividend yield 7.0% base case	10%	\$0.82	\$0.4
Dividend yield 7.0% spot prices	2%	\$0.57	\$0.5
Risk weighted composite		\$0.52	
12 Months Price Target		\$0.44	
Shareprice - Last		\$0.3750	
12 mth total return		32%	

Source: Hartleys Research Estimates



Source: Hartleys Estimates, IRESS



Source: Hartleys Estimates, IRESS

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Buy Accumulate	Share price appreciation anticipated. 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 No Rating	Significant price depreciation anticipated. 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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