

# JUPITER MINES LTD (JMS)

# Production rebounds, as expected

Jupiter Mines Ltd (JMS) produced 0.840Mt manganese ore. Sales were 0.898Mt. 100% Tshipi EBITDA (ex royalties) for the quarter was \$76.5m (JMS share is 49.9%), lower than our expectation. JMS attributable cash was \$76m (JMS + attrib Tshipi cash at bank).

Operating cash flow from Tshipi was an outflow (\$9.3m), which is unusual. There was a delayed shipment (148kt) that would have boosted cash by ~A\$30m, but even still operating cash flow in the quarter was still below EBITDA due to semi-annual tax and royalties.

# Hartleys expects 1H DPS 0.6cps, unfranked

In early September, Tshipi declared a dividend to its shareholders of ZAR330m for the 6mth to end August. JMS will receive ZAR156m (approximately A\$12.7m; net of withholding tax) and will also receive ZAR25m (approximately A\$2m) in marketing profits. We estimate that this equates to ~0.5-0.75cps DPS. We note that cash at JMS bank (ignore the Tshipi cash balance) is around 1.4cps, so it seems possible that the DPS is higher than the Tshipi dividend. Including Tshipi cash, there is ~3.8cps. Offsetting that though is the potential capital requirement in CY21 for the expansion. Hence, we assume only a 0.6cps DPS, but with upside risk (as is typical for JMS).

## Iron ore divestment

JMS has said it will divest the iron ore assets in Australia. Given they are minor versus the manganese assets, we attribute no direct value in our JMS valuation. We will review this assumption when more detail on the assets are disclosed.

### Retain Buy recommendation

Our base valuation is 41cps. Our spot (US\$3.60/dmtu) valuation is 53cps. We have a 45cps twelve month target + 2.25cps DPS (0.6cps + 1.65cps).

# Fig. 1: Hartleys earnings changes

Tshipi (49.9%)	Unit	29 Feb 20		28 Feb 21			28 Feb 22	
		actual	Old	New	% chg	Old	New	% ch
Production (100%)	Mtpa	3.4	3.2	3.1	-1.9%	3.2	3.2	0.0%
Sales (100%)		3.4	2.8	2.8	-0.1%	3.2	3.2	
Received Price	US\$/dmtu	4.1	4.3	4.0	-6.0%	4.1	4.2	0.2
AUD	US\$/A\$	0.67	0.66	0.71	7.6%	0.70	0.73	3.99
ZAR	Rand/US\$	15.3	16.3	16.3	0.0%	14.6	14.6	0.09
Tshipi Revenue (49.9%)	A\$m	376.4	329.7	287.8	-12.7%	343.1	331.6	-3.4%
	ZARm	3870.5	3569.4	3351.4	-6.1%	3507.6	3523.1	0.4%
Tshipi Cash Costs (49.9%)	A\$m	-241.2	-203.4	-192.7	-5.3%	-218.9	-213.3	-2.69
	ZARm	-2480.2	-2202.7	-2243.9	1.9%	-2237.4	-2265.8	1.3%
	ZAR/t	-1461.9	-1580.9	-1612.0	2.0%	-1407.8	-1425.7	1.39
Tshipi EBITDA (49.9%)	A\$m	135.2	126.2	95.1	-24.7%	124.3	118.3	-4.8%
- margin		36%	38%	33%	-13.7%	36%	36%	-1.5%
Tshipi, 100%, EBITDA	A\$m	271.0	253.0	190.6	-24.7%	249.0	237.1	-4.8%
Tshipi, 100%, Cash dist	A\$m	201.9	141.4	99.6	-29.6%	138.8	130.8	-5.7%
% of EBITDA		75%	56%	52%	-6.5%	56%	55%	-1.09
Tshipi, 100%, Cash dist	ZARm	2,077	1,531	1,160	-24.2%	1,419	1,390	-2.0%
Tshipi, 100%, EBITDA	ZARm	2786.3	2738.9	2219.4	-19.0%	2545.4	2519.5	-1.0%
Tshipi, 100%, EBITDA	US\$	182.4	167.6	135.8	-19.0%	174.3	172.5	-1.09
Tshipi NPAT (49.9%)	A\$m	98.8	111.5	89.0	-20.1%	110.0	105.8	-3.9%
payout		102%	63%	56%	-11.8%	63%	62%	-1.99
DPS		0.0475	0.0325	0.0225	-30.8%	0.030	0.030	0.0%

Buy

	24 Sep 2020
Share Price	\$0.275
Valuation	\$0.41
12mth price target	\$0.45
Date ( Development Development)	

Brief Business Description: Manganese producer in Sth Africa (via 49.9% interest in Tshipi mine)

#### Hartleys Brief Investment Conclusion

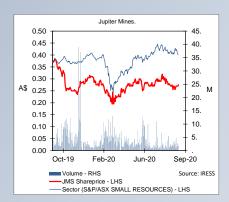
Long mine life, low cost and highly incentivised management for shareholder friendly capital management. Risks are Sth Africa sovereign risk & manganese price volatility.

#### Chairman & MD

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

#### Company Addre

Company Address						
Level 10, 16 St Georges Terrace						
Perth WA, 6000, Austr	ralia					
Issued Capital			1959.0m			
- fully diluted			1959.0m			
Market Cap			A\$538.7m			
- fully diluted			A\$538.7m			
Cash (31 Aug 20p)			A\$76.0m			
Debt (31 Aug 20p)			A\$0.0m			
EV			A\$462.7m			
	Mt	Mn grade				
Resources (Mt)	431.7	33%				
Reserves (Mt)	94.24	36.49				



Authors Trent Barnett Senior Analyst Ph: +61 8 9268 3052 E: trent.barnett@hartleys.com.au

Hartleys Limited ABN 33 104 195 057 (AFSL 230052) 141 St Georges Terrace, Perth, Western Australia, 6000 Hartleys does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Further information concerning Hartleys' regulatory disclosures can be found on Hartleys website www.hartleys.com.au

24 September 2020

Buy

JMS					
Key Market Information					
Share price					A\$0.275
Issued Capital					1959.0m
Options, performance rights and p					0.0m
Options, performance rights and p		res			0.0m
Issued Capital (fully diluted inc. all					1959.0m
Issued Capital (fully diluted inc. all Net Cash	options and	new capital)			1959.0m \$76.0m
Twelve month price target					\$76.0m A\$0.45
Valuation					A\$0.43 A\$0.41
Tshipi (49.9%)	Unit	28 Feb 19a	29 Feb 20a	28 Feb 21f	28 Feb 22f
Tshipi Revenue (49.9%)	A\$m, CFR	497.9	376.4	287.8	331.6
	ZARm	5079.4	3870.5	3351.4	3523.1
Tshipi Cash Costs (49.9%)	A\$m CFR	-236.4	-241.2	-192.7	-213.3
	ZARm	-2411.8	-2480.2	-2243.9	-2265.8
Tshipi EBITDA (49.9%)	A\$m	261.5	135.2	95.1	118.3
- margin		53%	36%	33%	36%
Tshipi, 100%, EBITDA	A\$m	524.0	271.0	190.6	237.1
Tshipi, 100%, Cash dist	A\$m	316.1	201.9	99.6	130.8
% of EBITDA		60%	75%	52%	55%
Tshipi, 100%, EBITDA	ZARm	5345.9	2786.3	2219.4	2519.5
Tshipi, 100%, EBITDA	US\$	376.9	182.4	135.8	172.5
Tshipi, 100%, EBITDA - reported	A\$m	585.3	314.9	225.6	279.0
			<b>•</b> • •		
Tshipi NPAT (49.9%)	A\$m	189.5	98.8	89.0	105.8
payout		83%	102%	56%	62%
JMS	Unit	28 Feb 19a	29 Feb 20a	28 Feb 21f	28 Feb 22f
JMS Reported Revenue	A\$m	0.0	0.0		
JMS Reported COGS	A\$m	0.0	0.0		
JMS Reported GP	A\$m	0.0	0.0 95.1		
JMS Reported Profit JMS Balance Sheet	A\$m Unit		95.1 29 Feb 20a	28 Feb 21f	28 Feb 22f
Cash	A\$m	28 Feb 19a 72.8	29 Feb 20a 29.3	20 Feb 211 44.8	26 Feb 221 39.4
Other Current Assets	A\$m	85.2	40.4	44.0	40.4
Total Current Assets	A\$m	158.0	69.7	85.3	79.8
Property, Plant & Equip.	A\$m	0.0	0.0	0.0	0.0
Exploration	A\$m	10.8	11.8	11.8	11.8
	A\$m		438.6	438.6	438.6
Investments/other	A\$m <b>A\$m</b>	424.8 435.6	438.6 <b>450.3</b>	438.6 450.3	438.6 <b>450.3</b>
Investments/other Tot Non-Curr. Assets		424.8			
Investments/other Tot Non-Curr. Assets Total Assets	A\$m	424.8 <b>435.6</b>	450.3	450.3	450.3
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other	A\$m A\$m	424.8 <b>435.6</b>	450.3	450.3	450.3
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings	A\$m A\$m A\$m	424.8 435.6 593.6	450.3 520.0	450.3 535.6	450.3 530.1 -
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities	A\$m A\$m A\$m A\$m	424.8 <b>435.6</b> <b>593.6</b> - 132.9	<b>450.3</b> <b>520.0</b> - 37.8	<b>450.3</b> <b>535.6</b> - 37.8	<b>450.3</b> <b>530.1</b> - 37.8
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings	A\$m A\$m A\$m A\$m A\$m	424.8 <b>435.6</b> <b>593.6</b> - 132.9	<b>450.3</b> <b>520.0</b> - 37.8	<b>450.3</b> <b>535.6</b> - 37.8	<b>450.3</b> <b>530.1</b> - 37.8
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other	<b>A\$m</b> A <b>\$m</b> A\$m <b>A\$m</b> A <b>\$m</b> A\$m	424.8 435.6 593.6 - 132.9 132.9	<b>450.3</b> <b>520.0</b>	<b>450.3</b> <b>535.6</b> 37.8 37.8	<b>450.3</b> <b>530.1</b> 37.8 37.8
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities	<b>A\$m</b> A\$m A\$m A\$m <b>A\$m</b> A\$m A\$m <b>A\$m</b> <b>A\$m</b>	424.8 435.6 593.6 - 132.9 132.9 - 51.2 51.2 51.2 184.1	450.3 520.0 - 37.8 37.8 - 56.2 56.2 56.2 94.0	450.3 535.6 37.8 56.2 56.2 56.2 94.0	450.3 530.1 - 37.8 37.8 - 56.2 56.2 56.2 94.0
Investments/other Tot Non-Curr. Assets Total Assets Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets	A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 51.2 184.1 409.5	450.3 520.0 37.8 37.8 56.2 56.2 56.2 94.0 426.0	450.3 535.6 37.8 37.8 56.2 56.2 56.2 94.0 441.6	450.3 530.1 - 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1
Investments/other Tot Non-Curr. Assets Total Assets Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets	<b>A\$m</b> A\$m A\$m A\$m <b>A\$m</b> A\$m A\$m <b>A\$m</b> <b>A\$m</b>	424.8 435.6 593.6 - 132.9 132.9 - 51.2 51.2 51.2 184.1	450.3 520.0 - 37.8 37.8 - 56.2 56.2 56.2 94.0	450.3 535.6 37.8 56.2 56.2 56.2 94.0	450.3 530.1 - 37.8 37.8 - 56.2 56.2 56.2 94.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash)	A\$m	424.8 435.6 593.6 - 132.9 51.2 51.2 51.2 51.2 184.1 409.5 -72.8	450.3 520.0 37.8 37.8 56.2 56.2 94.0 426.0 -29.3	450.3 535.6 37.8 37.8 37.8 56.2 94.0 441.6 -44.8	450.3 530.1 - 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1 -39.4
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow	A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a	450.3 520.0 37.8 37.8 56.2 56.2 56.2 94.0 426.0 -29.3 29 Feb 20a	450.3 535.6 37.8 37.8 56.2 56.2 56.2 94.0 441.6 -44.8	450.3 530.1 37.8 37.8 56.2 56.2 94.0 436.1 -39.4 28 Feb 22f
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow	A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 51.2 184.1 409.5 -72.8 28 Feb 193 158.4	450.3 520.0 37.8 37.8 37.8 56.2 56.2 56.2 94.0 426.0 -29.3 29 Feb 203 84.8	450.3 535.6 37.8 37.8 37.8 56.2 56.2 56.2 94.0 441.6 -44.8 28 Feb 211 46.5	450.3 530.1 - 37.8 37.8 37.8 56.2 56.2 56.2 94.0 436.1 -39.4 28 Feb 22f 61.5
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Doperating Cashflow	A\$m	424.8 435.6 593.6 132.9 132.9 132.9 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2	450.3 520.0 37.8 37.8 56.2 56.2 94.0 426.0 -29.3 29 Feb 20a 84.8 -2.7	450.3 535.6 37.8 37.8 56.2 56.2 94.0 441.6 -44.8 28 Feb 21f 46.5 -4.5	450.3 530.1 37.8 37.8 56.2 56.2 94.0 436.1 -39.4 28 Feb 22f 61.5 -5.3
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other	A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 51.2 184.1 409.5 .72.8 28 Feb 19a 158.4 .122.4 0.3	450.3 520.0 37.8 37.8 37.8 56.2 55.2 94.0 426.0 -29.3 29 Feb 20a 84.8 -2.7 1.2	450.3 535.6 37.8 37.8 37.8 56.2 56.2 94.0 441.6 -44.8 28 Feb 21f 46.5 -4.5 0.0	450.3 530.1 - 37.8 37.8 37.8 37.8 56.2 56.2 94.0 436.1 -39.4 61.5 -5.3 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other	A\$m	424.8 435.6 593.6 132.9 132.9 132.9 51.2 51.2 51.2 51.2 51.2 51.2 51.2 51.2	450.3 520.0 37.8 37.8 56.2 56.2 94.0 426.0 -29.3 29 Feb 20a 84.8 -2.7	450.3 535.6 37.8 37.8 56.2 56.2 94.0 441.6 -44.8 28 Feb 21f 46.5 -4.5	450.3 530.1 37.8 37.8 56.2 56.2 94.0 436.1 -39.4 28 Feb 22f 61.5 -5.3
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Income Tax Paid Interest & Other Operating Activities	A\$m	424.8 435.6 59.6 132.9 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 158 158.4 -12.4 0.3 146.4	450.3 520.0 37.8 37.8 56.2 94.0 426.0 -29.3 29 Feb 208 84.8 -2.7 1.2 83.3	450.3 535.6 37.8 37.8 56.2 94.0 441.6 441.8 28 Feb 211 46.5 -45 0.0 42.0	450.3 530.1 - 378.8 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1 - .39.4 <b>28 Feb 22</b> / 61.5 - 5.3 0.0 56.2
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip.	A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 51.2 184.1 409.5 .72.8 28 Feb 19a 158.4 .122.4 0.3	450.3 520.0 37.8 37.8 56.2 94.0 426.0 -29.3 29 Feb 208 84.8 -27 1.2 83.3	450.3 535.6 37.8 37.8 37.8 56.2 94.0 441.6 44.8 28 Feb 211 46.5 -45 -45 0.0 0 42.0	450.3 530.1 - - 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1 -39.4 28 Feb 22/ 61.5 - 5.3 0.0 0 56.2
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi)	A\$m	424.8 435.6 59.6 132.9 132.9 51.2 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a 158.4 -12.4 0.3 146.4 0.0	450.3 5200.0	450.3 535.6 37.8 37.8 37.8 56.2 56.2 56.2 94.0 441.6 -44.8 28 Feb 21f 46.5 -4.5 0.0 42.0	450.3 530.1 - - - 56.2 56.2 56.2 94.0 436.1 - -39.4 61.5 -5.3 0.0 56.2 0.0 56.2
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Incernet & Other Operating Cashflow Incernet & Other Incernet & Other Ince	A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m	424.8 435.6 59.0 132.9 132.9 132.9 51.2 51.2 51.2 184.1 409.5 -72.8 28 Feb 158.4 -12.4 0.3 146.4 0.0	450.3 520.0 37.8 37.8 37.8 56.2 94.0 -29.3 29 Feb 20a 84.8 -2.7 1.2 83.3 0.0 0.0 0.0	450.3 535.6 37.8 37.8 37.8 56.2 94.0 441.6 -44.8 <b>28 Feb 21f</b> 46.5 -4.5 0.0 <b>42.0</b> 0.0 -110 0.0	450.3 530.1 378.8 378.8 378.8 378.8 56.2 94.0 436.1 -39.4 436.1 -39.4 436.1 -39.4 28 Feb 22t 61.5 -5.3 0.0 56.2 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) <u>JMS Cashflow</u> Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other	A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m	424.8 435.6 593.6 132.9 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a 158.4 -122.4 0.3 146.4 0.0	450.3 520.0 37.8 37.8 37.8 56.2 94.0 426.0 -29.3 29 Feb 203 84.8 -27 1.2 83.3 0.0 0.0 0.0 0.0	450.3 535.6 - 37.8 37.8 37.8 37.8 56.2 94.0 441.6 -44.8 28 Feb 211 46.5 -45 -0.0 42.0 0.0 -11.0 0.0 0.0	450.3 530.1 - - 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1 -39.4 436.1 -39.4 28 Feb 22/ 61.5 -5.3 .3 0.0 0 56.2 0.0 0 -28.5 0.0 0 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi)	A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m A\$m	424.8 435.6 59.0 132.9 132.9 132.9 51.2 51.2 51.2 184.1 409.5 -72.8 28 Feb 158.4 -12.4 0.3 146.4 0.0	450.3 520.0 37.8 37.8 37.8 56.2 94.0 -29.3 29 Feb 20a 84.8 -2.7 1.2 83.3 0.0 0.0 0.0	450.3 535.6 37.8 37.8 37.8 56.2 94.0 441.6 -44.8 <b>28 Feb 21f</b> 46.5 -4.5 0.0 <b>42.0</b> 0.0 -110 0.0	450.3 530.1 378.8 378.8 378.8 378.8 56.2 94.0 436.1 -39.4 436.1 -39.4 436.1 -39.4 28 Feb 22t 61.5 -5.3 0.0 56.2 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) SMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other Investment Activities	A\$m   A\$m	424.8 435.6 59.0 132.9 14.4 14.4 10.0 10.0 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5	450.3 520.0	450.3 535.6 37.8 37.8 37.8 56.2 56.2 56.2 94.0 441.6 -44.8 28 Feb 211 46.5 -4.5 0.0 42.0 0.0 -11.0 0.0 0.0 0.0	450.3 530.1 
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) <u>UNS Cashflow</u> Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other Investment Activities Borrowings	ASm ASm ASm ASm ASm ASm ASm ASm ASm ASm	424.8 435.6 593.6 132.9 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a 158.4 -122.4 0.3 146.4 0.0	450.3 520.0 37.8 37.8 37.8 56.2 94.0 426.0 -29.3 29 Feb 203 84.8 -27 1.2 83.3 0.0 0.0 0.0 0.0	450.3 535.6 - 37.8 37.8 37.8 37.8 37.8 56.2 94.0 441.6 -44.8 28 Feb 211 28 Feb 211 46.5 -45 - 0.0 42.0 0.0 -11.0 0.0 0.0 0.0 0.0	450.3 530.1 - - 37.8 37.8 - 56.2 56.2 56.2 94.0 436.1 -39.4 436.1 -39.4 28 Feb 22/ 61.5 -5.3 .3 0.0 0 56.2 0.0 0 -28.5 0.0 0 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other Investment Activities Borrowings Equity or "tbc capital"	A\$m   A\$m	424.8 435.6 593.6 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a 158.4 -122.4 0.3 146.4 0.0 0.0 0.0 0.0	450.3 520.0 37.8 37.8 37.8 56.2 94.0 426.0 -29.3 29 Feb 203 84.8 3.2 7 1.2 83.3 0.0 0.0 0.0 0.0 0.00	450.3 535.6 37.8 37.8 37.8 56.2 56.2 56.2 94.0 441.6 -44.8 28 Feb 211 46.5 -4.5 0.0 42.0 0.0 -11.0 0.0 0.0 0.0	450.3 530.1 - 37.8 37.8 37.8 56.2 56.2 94.0 436.1 -39.4 436.1 -39.4 28 Feb 22/ 6.5 .5 .3 .0.0 0.5 6.2 0.0 0.2 8.5 0.0 0.0 0.0 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Lunc. Liabilities Net Assets Net Debt (net cash) JMS Cashflow Operating Cashflow Income Tax Paid Interest & Other Operating Cashflow Income Tax Paid Interest & Other Broperity, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other Investment Activities Borrowings Equity or 'tbc capital" Dividends Paid	ASm	424.8 435.6 536.6 132.9 132.9 51.2 51.2 184.1 409.5 -72.8 28 Feb 19a 158.4 -12.4 0.3 146.4 0.0 0 0.0 0.0 -0.9 0.00 -51.1	450.3 520.0	450.3 535.6 - 37.8 37.8 37.8 37.8 37.8 56.2 56.2 56.2 56.2 56.2 441.6 -44.8 46.5 -44.8 46.5 -4.5 0.0 42.0 42.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	450.3 530.1 37.8 37.8 37.8 56.2 56.2 56.2 94.0 436.1 -33.4 61.5 -5.3 0.0 56.2 0.0 56.2 0.0 0.28.5 0.0 0.0 0.0 0.0 0.0
Investments/other Tot Non-Curr. Assets Total Assets Short Term Borrowings Other Total Curr. Liabilities Long Term Borrowings Other Total Non-Curr. Liabil. Total Liabilities Net Assets Net Debt (net cash) <u>JMS Cashflow</u> Operating Cashflow Income Tax Paid Interest & Other Operating Activities Property, Plant & Equip. - off JMS b/s (ie 50% Tshipi) Exploration and Devel. Other	A\$m	424.8 435.6 59.0 132.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9 1	450.3 520.0 37.8 37.8 37.8 37.8 56.2 56.2 94.0 -29.3 29 Feb 20a 84.8 -2.7 1.2 83.3 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0 0.0 0.0	450.3 535.6 37.8 37.8 37.8 37.8 56.2 56.2 94.0 441.6 -44.8 46.5 44.5 0.0 442.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	450.3 530.1 378.8 378.8 378.8 378.8 378.8 562.2 94.0 436.1 -39.4 61.5 -5.3 0.0 652.2 61.5 -5.3 0.0 0.6 562.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

Directors Brian Gilbertson (Chairman)			Level	10, 16 St Geor	r Informati ges Terrace
Priyank Thapliyal (CEO)				Perth WA, 60	
Paul Murray (Non-exec)					8 9346 55
Andrew Bell (Non-exec)					8 9481 59
	inco)				
Yeongjin Heo (Non-exec, Posco Nomi				Web: www.jupi	termines.co
Hans Mende (Non-exec, AMCI nomin	.ee)				
Melissa North - CFO					
Top Shareholders					
AMCI					17.2
Stichting Pensioenfonds					12.9
Posco					6.9
Reserves & Resources	Mt	% Mn		Attribu	table to JI
Measured	92	34.2		JM	S Atrib: 46
Indicated	112	33.7		JM:	S Atrib: 56
Inferred	227	32.5			Atrib: 113
TOTAL Resources	432	33.2			Atrib: 215
_					
Reserve Production Summary	94 Unit	36.5 28 Feb 18a	29 Feb 20a		Atrib: 47
Mill Throughput	Mt	3.8	3.7	3.3	3
Saleable Product	Mt	3.4	3.4	••••	3
- grade Mn	Mt	36.5%	36.5%		36.
Saleable Product (attrib to JMS)	Mt	1.7	1.7	1.5	
Sales (100%)	Mt		3.4	2.8	:
Mass recovery		90.3%	91.0%	93.7%	91.0
Mine Life	%	32.58	30.58	29.58	28.
Assumed Mine Inventory (end)	Mt	153.5	146.0	142.5	139
Costs	Unit	28 Feb 19a	29 Feb 20a	28 Feb 21f	28 Feb 2
	A\$/t	20 Feb 19a 108.1	29 Feb 20a 95.2	117.7	20 Feb . 110
Cost per milled tonne					
EBITDA / tonne milled ore	A\$/t	138.0	72.2	57.4	67
	US\$/t	99.3	48.6	40.9	49
Total cost / tonne product cfr	A\$/t	138	142	138	1:
	ZAR/t	1,412	1,455	1,609	1,4
	ZAR\$/dmtu	39	40	44	38.9
	US\$/t	100	95	98	9
	US\$/dmtu	2.7	2.6	2.7	2
Price Assumptions	Unit	28 Feb 19a	29 Feb 20a	28 Feb 21f	28 Feb 3
AUDUSD	A\$/US\$	0.72	0.67	0.71	0.73
USDZAR		14.18	15.28	16.34	14.60
AUDZAR		10.20	10.28	11.65	10.62
	1000	7.31	5.95	4.63	4.74
Manganese: 44% benchmark cfr	US\$/dmtu				
Manganese: 44% benchmark cfr	US\$/t	322	262	204	209
Iron Ore 62% benchmark cfr	US\$/t	73.6	96.4	92.0	72.0
Tshipi received price cfr	US\$/t	209.7	148.7	147.0	151.5
	US\$/dmtu	5.7	4.1	4.0	4.2
	ZAR\$/dmtu	81.5	62.3	65.8	60.6
	A\$/dmtu	8.0	6.1	5.7	5.7
Valuation multiples @ 0.275	l .	28 Feb 19a	29 Feb 20a	28 Feb 21a	28 Feb 2
EV/EBITDA	x	2.1	4.0	5.7	4
Div Yield	%	27.3%	17.3%	8.2%	10.9
Hedging	Unit	28 Feb 19a	29 Feb 20a	28 Feb 21f	28 Feb 3
none					
Sensitivity Analysis					
Base Case		Valuation 0.41	FY21	pro-froma EB 95.1	ITDA
Spot Prices		0.53 (29.0%)			13.3 (19.2
Spot USD/AUD 0.70, USD/ZAR 17.2,	44% Mn CFR \$4.7		fob Sth Afric	a \$3.6/dmtu	
AUDUSD +/10%		0.53 (-24.0% / 2		2.8 / 110.1 (-12	2.9% / 15.7
Manganese +/10%		).28 (31.1% / -3	,	10.8 / 79.4 (16	
Production +/10%		).30 (26.1% / -2		07.4 / 82.8 (12	
Unpaid Capital	0.5270			02.0 (12	
		e	Ave arise	% ord	
Year Expires		<u>\$m</u>	Avg price	% ord	
28-Feb-21		0.0	0.00	0%	
28-Feb-22		0.0	0.00	0%	
28-Feb-23		0.0	0.00	0%	
29-Feb-24		0.0	0.00	0%	
28-Feb-25		0.0	0.00	0%	
TOTAL		0.0	nm	0%	
Valuation					A\$/s
49.9% Tshipi (pre-tax NAV at disc. rat	e of 10%)				0
Tshipi Tax (NPV future liability)					-0
Marketing					0
Other Assets/Exploration					0
Forwards					0
					-0
Corporate Overheads					0
Corporate Overheads Net Cash (Debt)					-0
Corporate Overheads Net Cash (Debt) Withholding Tax					
Corporate Overheads Net Cash (Debt) Withholding Tax					
Corporate Overheads Net Cash (Debt) Withholding Tax Options & Other Equity Total					-0. 0. <b>0</b> .

Analyst: Trent Barnett

Shares Ordinary Shares - End Ordinary Shares - Weighted

Diluted Shares - Weighted Ratio Analysis Cashflow Per Share

Franking Net Debt / Net Debt + Equity Interest Cover

Earnings Per Share Dividends Per Share

Net Cashflow

\*Bot capital" could be equity or debt. Our valuation is risk-adjusted for how this may be obtained.

-45.0

9 Feb 20a

1959.0

1959.0

1959.0

4.3

nm

nm 0.0475 0% na na

29 Feb 20a

15.6

Feb 21f

1959.0

1959.0

1959.0

2.1

nm

0.0225 0% na na

8 Feb 21f

-3.6

28 Feb 19a

1959.0

1967.8

1967.8

7.4

nm 0.075 0% na na

28 Feb 19a

-5.5

28 Feb 22f

1959.0 1959.0

1959.0

2.9

nm

0.030 0% na

na

8 Feb 22f

Sources: IRESS, Company Information, Hartleys Research

A\$m

Unit

m m

m

Unit

A\$ cps

A\$ cps AUD

% X

# Fig. 2: Earnings Changes

Tshipi (49.9%)	Unit	29 Feb 20		28 Feb 21			28 Feb 22			28 Feb 23	
		actual	Old	New	% chg	Old	New	% chg	Old	New	% chợ
Production (100%)	Mtpa	3.4	3.2	3.1	-1.9%	3.2	3.2	0.0%	3.4	3.4	0.0%
Sales (100%)		3.4	2.8	2.8	-0.1%	3.2	3.2		3.4	3.4	0.0%
Received Price	US\$/dmtu	4.1	4.3	4.0	-6.0%	4.1	4.2	0.2%	4.2	4.2	0.0%
AUD	US\$/A\$	0.67	0.66	0.71	7.6%	0.70	0.73	3.9%	0.73	0.73	0.1%
ZAR	Rand/US\$	15.3	16.3	16.3	0.0%	14.6	14.6	0.0%	14.7	14.7	0.0%
Tshipi Revenue (49.9%)	A\$m	376.4	329.7	287.8	-12.7%	343.1	331.6	-3.4%	355.3	355.1	-0.1%
	ZARm	3870.5	3569.4	3351.4	-6.1%	3507.6	3523.1	0.4%	3825.3	3825.6	0.0%
Tshipi Cash Costs (49.9%)	A\$m	-241.2	-203.4	-192.7	-5.3%	-218.9	-213.3	-2.6%	-229.2	-229.1	0.0%
	ZARm	-2480.2	-2202.7	-2243.9	1.9%	-2237.4	-2265.8	1.3%	-2466.9	-2467.8	0.0%
	ZAR/t	-1461.9	-1580.9	-1612.0	2.0%	-1407.8	-1425.7	1.3%	-1439.1	-1439.6	0.0%
Tshipi EBITDA (49.9%)	A\$m	135.2	126.2	95.1	-24.7%	124.3	118.3	-4.8%	126.2	126.0	-0.1%
- margin		36%	38%	33%	-13.7%	36%	36%	-1.5%	36%	35%	-0.1%
Tshipi, 100%, EBITDA	A\$m	271.0	253.0	190.6	-24.7%	249.0	237.1	-4.8%	252.9	252.6	-0.1%
Tshipi, 100%, Cash dist	A\$m	201.9	141.4	99.6	-29.6%	138.8	130.8	-5.7%	116.1	115.9	-0.1%
% of EBITDA		75%	56%	52%	-6.5%	56%	55%	-1.0%	46%	46%	0.0%
Tshipi, 100%, Cash dist	ZARm	2,077	1,531	1,160	-24.2%	1,419	1,390	-2.0%	1,250	1,249	-0.1%
Tshipi, 100%, EBITDA	ZARm	2786.3	2738.9	2219.4	-19.0%	2545.4	2519.5	-1.0%	2722.2	2721.0	0.0%
Tshipi, 100%, EBITDA	US\$	182.4	167.6	135.8	-19.0%	174.3	172.5	-1.0%	185.4	185.3	0.0%
Tshipi NPAT (49.9%)	A\$m	98.8	111.5	89.0	-20.1%	110.0	105.8	-3.9%	111.4	111.3	-0.1%
payout		102%	63%	56%	-11.8%	63%	62%	-1.9%	52%	52%	0.0%
DPS		0.0475	0.0325	0.0225	-30.8%	0.030	0.030	0.0%	0.025	0.025	0.0%

Source: Hartleys Estimates

# Fig. 3: Understanding the quarterly accounts

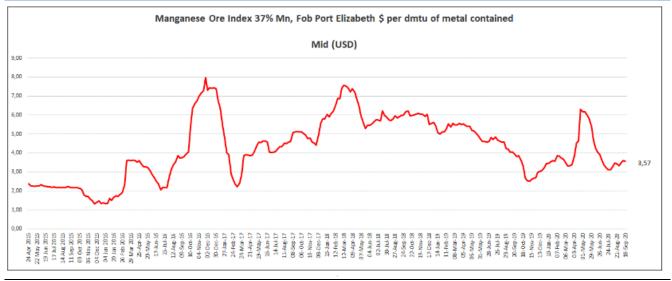
		UNIT	Q2 FY2021	Q1 FY2021	YTD FY2021	Q2 FY2020
	Mined volume	BCM	3,414,742	2,361,031	5,775,773	2,973,867
	Production	Tonnes	840,469	694,769	1,535,238	890,995
	Sales	Tonnes	898,107	321,733	1,219,840	892,019
CIF includes shipping to China	Average CIF price achieved (high grade lumpy)*	USD/dmtu	4.67	4.21	4.58	5.52
Costs excludes shipping to China, but includes royalties	Average FOB cost of production	ZAR/dmtu	36.13	36.10	35.99	32.30
	Average exchange rate	USD/ZAR <sup>1</sup>	17.02	17.78	17.40	14.58
	Average exchange rate	AUD/ZAR <sup>1</sup>	11.98	11.28	11.63	10.06
Sales exclude shipping to China	Sales revenue (net of realisation costs)	AUD million <sup>2</sup>	154.1	52.3	209.5	185.0
EBITDA excludes royalties	Earnings before interest, tax and depreciation ("EBITDA")	AUD million <sup>2</sup>	76.5	35.8	113.6	101.5
	Net profit after tax *	AUD million <sup>2</sup>	51.1	23.5	75.4	62.5
Tshipi cash at bank excludes the	Net cash from operating activities	AUD million <sup>2</sup>	(9.3)	48.0	36.9	86.3
cash on JMS balance sheet	Cash at bank	AUD million <sup>2</sup>	100.4	117.7	100.4	114.0

Source: JMS

coumption	<b>Bick of not realizing</b>	Downside risk to	Comment
ssumption	Risk of not realising assumption	valuation if assumption is incorrect	Comment
/line life	Low	High	We assume a long mine life. The mining right expires in 2040 but we assume it is extended.
Expansion to 4.5mtpa proceeds, but slower than guidance and higher capex	Moderate	High	We assume the expansion proceeds, but we ar more conservative than early guidance. Our conservative assumptions means that the expansion only adds around 15% to our valuation.
Discount rate	Moderate	Upside	We assume a discount rate of 10%, real.
×	Moderate	Meaningful	We assume that the Rand appreciates modestl in near term, and then depreciates again.
Selling prices fall from current prices	Moderate	Most significant	We assume manganese selling prices fall.
Project interest	Low	Modest	We assume JMS retains its 49.9% interest in Tshipi.
Conclusion	We believe our assu	, .	nese selling prices are the most important for our uation.

Source: Hartleys

# Fig. 5: Manganese Price (37% DMTU, fob)



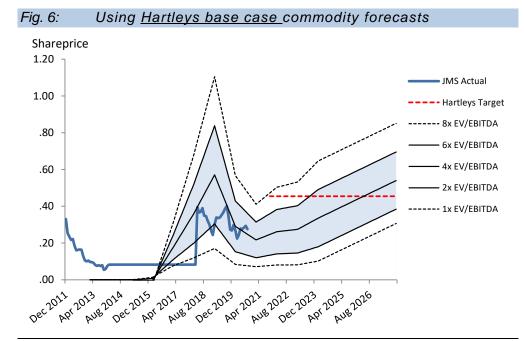
Source: JMS

# PRICE TARGET

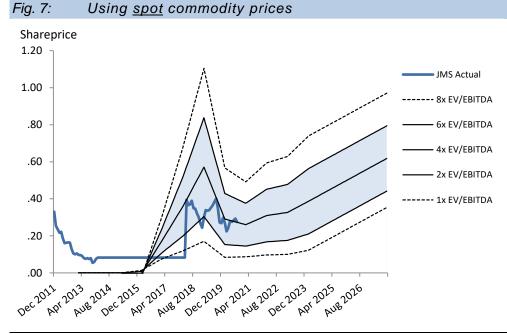
We have a twelve-month price target of 45cps (from 47cps previous).

Price Target Methodology	Weighting	Spot	12 mth out
NPV base case valuation	80%	\$0.41	\$0.44
NPV spot valuation	1%	\$0.53	\$0.57
NPV no 4.5mtpa expansion (base case prices)	5%	\$0.36	\$0.38
NPV no 4.5mtpa expansion (spot case prices)	1%	\$0.46	\$0.50
4x EV/EBITDA	5%	\$0.46	\$0.53
10x EV/EBITDA	1%	\$1.08	\$1.27
Dividend yield 6.0% base case	5%	\$0.38	\$0.50
Dividend yield 6.0% spot prices	2%	\$0.46	\$0.46
Risk weighted composite		\$0.42	
12 Months Price Target		\$0.45	
Shareprice - Last		\$0.2750	
12 mth total return		74%	

Source: Hartleys Research Estimates



Source: Hartleys Estimates, IRESS



Source: Hartleys Estimates, IRESS

# HARTLEYS CORPORATE DIRECTORY

### Research

Trent Barnett Mike Millikan Oliver Stevens Michael Scantlebury Janine Bell	Head of Research Resources Analyst Research Analyst Associate Analyst Research Assistant	+61 8 9268 3052 +61 8 9268 2805 +61 8 9268 2879 +61 8 9268 2837 +61 8 9268 2831
Corporate Finance		
Dale Bryan	Director & Head of	+61 8 9268 2829
	Corp Fin.	
Richard Simpson	Director	+61 8 9268 2824
Ben Crossing	Director	+61 8 9268 3047
Ben Wale	Director	+61 8 9268 3055
Scott Weir	Director	+61 8 9268 2821
Scott Stephens	Associate Director	+61 8 9268 2819
Rhys Simpson	Associate Director	+61 8 9268 2851
Michael Brown	Executive	+61 8 9268 2822

## **Registered Office**

## Level 6, 141 St Georges Tce Postal Address:

Perth WA 6000	GPO Box 2777		
Australia	Perth WA 6001		
PH:+61 8 9268 2888	FX: +61 8 9268 2800		
www.hartleys.com.au	info@hartleys.com.au		
Note: personal email addresses of company employees are structured			
in the following manner: firstname.lastname@hartleys.com.au			

## **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 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.

# Institutional Sales

Carrick Ryan	+61 8 9268 2864
Justin Stewart	+61 8 9268 3062
Simon van den Berg	+61 8 9268 2867
Veronika Tkacova	+61 8 9268 2836
Wealth Management	
Nicola Bond	+61 8 9268 2840
Bradley Booth	+61 8 9268 2873
Adrian Brant	+61 8 9268 3065
Nathan Bray	+61 8 9268 2874
Sven Burrell	+61 8 9268 2847
Tony Chien	+61 8 9268 2850
Tim Cottee	+61 8 9268 3064
David Cross	+61 8 9268 2860
Nicholas Draper	+61 8 9268 2883
John Featherby	+61 8 9268 2811
Ben Fleay	+61 8 9268 2844
James Gatti	+61 8 9268 3025
John Goodlad	+61 8 9268 2890
Andrew Gribble	+61 8 9268 2842
David Hainsworth	+61 8 9268 3040
Murray Jacob	+61 8 9268 2892
Gavin Lehmann	+61 8 9268 2895
Shane Lehmann	+61 8 9268 2897
Samual Lowrie	+61 8 9268 2841
Steven Loxley	+61 8 9268 2857
Andrew Macnaughtan	+61 8 9268 2898
James McClements	+61 8 9268 2817
Scott Metcalf	+61 8 9268 2807
David Michael	+61 8 9268 2835
Jamie Moullin	+61 8 9268 2856
Chris Munro	+61 8 9268 2858
Michael Munro	+61 8 9268 2820
lan Parker	+61 8 9268 2810
Matthew Parker	+61 8 9268 2826
Jack Prendiville	+61 8 9268 3051
Charlie Ransom	+61 8 9268 2868
Heath Ryan	+61 8 9268 3053
Tom Shackles	+61 8 9268 2802
David Smyth	+61 8 9268 2839
Greg Soudure	+61 8 9268 2834
Sonya Soudure	+61 8 9268 2865
Dirk Vanderstruyf	+61 8 9268 2855

### Disclaimer/Disclosure

The author of this publication, Hartleys Limited ABN 33 104 195 057 ("Hartleys"), its Directors and their Associates from time to time may hold shares in the security/securities mentioned in this Research document and therefore may benefit from any increase in the price of those securities. Hartleys and its Advisers may earn brokerage, fees, commissions, other benefits or advantages as a result of a transaction arising from any advice mentioned in publications to clients.

Any financial product advice contained in this document is unsolicited general information only. Do not act on this advice without first consulting your investment adviser to determine whether the advice is appropriate for your investment objectives, financial situation and particular needs. Hartleys believes that any information or advice (including any financial product advice) contained in this document is accurate when issued. Hartleys however, does not warrant its accuracy or reliability. Hartleys, its officers, agents and employees exclude all liability whatsoever, in negligence or otherwise, for any loss or damage relating to this document to the full extent permitted by law.