

METALS X LIMITED (MLX)

Nifty can give more copper for longer

Copper mineralisation at Nifty extends well beyond the areas worked and outlined before MLX acquired the project in August 2016. The Company is drilling 80-100m/day from underground with the plan of extending reserves in May 2017 and again in the 2nd half of the calendar year.

The quantified Nifty orebody (reserves, past sulphide production and quarantined material) of 24Mt at 2.2% Cu (530kt contained Cu) is contained within a 600m by 200m mining area. There are no interpreted geological boundaries interrupting the deposit down plunge. In 2016 MLX began underground drilling up and down plunge to extend reserves into these areas for the first time in a decade. A seismic survey commencing in early April 2017 will help define deeper, down plunge targets to be drilled from surface in the 2nd half.

Given the deposit geometry we believe MLX could double its Nifty reserves in FY17 and extend them to +20Mt in FY18, at 1.8-2.0% Cu. At a 2.5Mtpa throughput rate, 20Mt is 8 years mine life.

When and at what cost?

The Nifty concentrator has 2.5-3.0 Mtpa throughput capacity, but is currently being run at 1.6Mtpa. MLX is spending about \$1M/quarter on drilling and \$1M/month on development, above production needs, to return the mine and plant to full capacity. Hartleys assumes an increase in ore extraction and processing rates to 2.0Mtpa from July 2017 and 2.5Mtpa from July 2018.

Neglected exploration to get attention

Nifty lies within a 200km long string of copper anomalies and parallel to a trend of zinc-lead anomalism. MLX is putting a regional exploration program together, starting with extension and collation of 3D IP data generated by previous operator. MLX intends spending up to \$7M this year and \$10-15M on exploration in FY2018. Targets include 2-5km scale prospects Maroochydore, Finch and Warrabarty Zn/Pb.

Tin production to rise

MLX is installing X-ray ore sorting at Renison in the December half 2017. Subsequent output of tin in concentrate should increase by about 20%. Hartleys' forecasts have been adjusted accordingly.

Short term repair; return ramp begins 2nd half

MLX is revealing a different Nifty to the apparently distressed and limited operation it acquired in 2016. Although repair of reserves and development will continue through CY2017 indications of the mine's potential should continue to emerge, starting with drilling results and revision of reserves in the Jun.H 2017.

MLX - not yet priced for the growth we see

Hartleys base case valuation has increased to \$1.24 per MLX share as a result of changes to the Nifty inventory and production profile (post June 2017), together with a step change in forecast tin output from Jan' 2018. Copper and tin prices remain supportive. Maintain Buy.

Share Price \$0.745 Valuation \$1.24 Price Target (12 month)

Brief Business Description

Australian base metals producer and developer, with a noteworthy record in underground mine rejuvenation and

Hartleys Brief Investment Conclusion

Increasing copper inventory and production from Nifty, with exploration upside, to drive MLX forward in 2017.

Chairman & MD

Peter Newton (Chairman)

Warren Hallam (Executive Director and CEO)

Top Shareholders

BlackRock Group	9.4%
Apac Resources Limited	9.2%
Jinchuan Group Limited	7.3%
Ausbil Investment Management Limited	5.1%

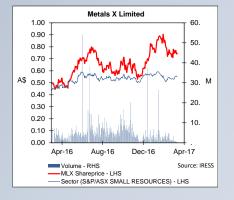
Company Address

Level 3 18-32 Parliament Place

West Perth, WA 6005

Issued Capital	609m
- fully diluted	609m
Market Cap	A\$454m
- fully diluted	A\$454m
Cash (30 June 17e)	A\$92m
Debt (30 June 17e)	A\$0m
EV	A\$362m

Prelim. (A\$m)	FY17e	FY18e	FY19e
Prod (kt Cu)	28.9	33.7	42.1
Prod (t Sn)	3590	3902	4193
Op Cash Flw (A\$M)	64	122	173
Norm NPAT (A\$M)	45	94	120
CF/Share (cps)	10.5	20.1	28.3
EPS (cps)	7.3	15.4	19.8
P/E	10.2	4.8	3.8
		Cu	Sn
Resources (kt)		581	94
Reserves (kt)		312	43



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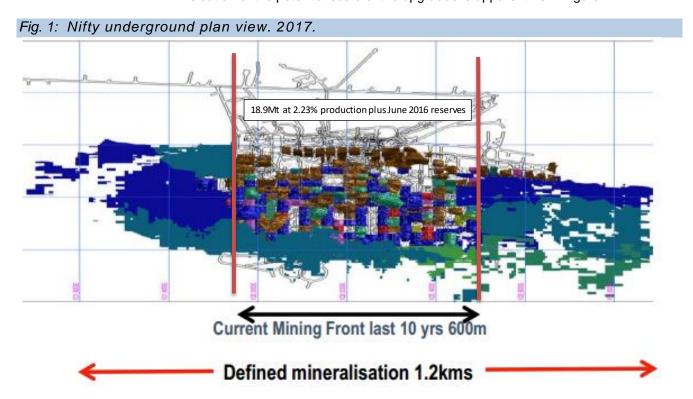
MLX										
Market Information										Directors
Share price		\$0.75 \$454m								Peter Newton (Chairm
Market Capitalisation Net cash (debt)		\$454m \$130m								Warren Hallam (Execusion Simon Heggen (Non-
Issued Capital (fully diluted)		609m								Yimin Zhang (Non-Ex Stephen Robinson (N
EV		\$324m								Stephen Robinson (N
Valuation 12 month price target		\$1.24 \$1.33								
Profit & Loss	Unit	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Top Shareholders
Net Revenue	ASM	313	383	460	443	436	433	431	431	BlackRock Group Apac Resources Limi
Forward sales	A\$M									Jinchuan Group Limit
Total Costs	A\$M	-249	-261	-287	-288	-290	-290	-292	-294	Ausbil Investment Mar
EBITDA - margin	A\$M	64 20%	122 32%	173 38%	155 35%	146 33%	143 33%	140 32%	138 32%	Production Summary
Depreciation/Amort	A\$M	-20%	-28	-35	-34	-37	-42	-45	-51	Nifty throughput
EBIT	A\$M	44	94	138	120	109	101	94	87	Mined grade
Net Interest	A\$M	. 1								Combined Recovery 8
Pre-Tax Profit Tax Expense	A\$M ASM	45	94	138 -18	120 -15	109 -14	101 -25	94 -23	87 -22	Copper prodn Mine Life
NPAT	ASM	45	94	120	105	95	76	71	65	IVIIIO LIIO
Abnormal Items	A\$M									Renison throughput (
Reported Profit	A\$M	45	94	120	105	95	76	71	65	Mined grade Combined Recovery
Balance Sheet	Unit	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Tin prodn (MLX share Mine Life
Cash	A\$M	92	130	215	274	330	401	469	543	MINO ENO
Other Current Assets Total Current Assets	A\$M A\$M	67 159	67 197	67 281	67 341	67 396	67 468	67 535	67 610	Costs Nifty
Property, Plant & Equip.	A\$M A\$M	1 59 170	197	192	190	396 186	468 166	134	610 95	Cost / milled tonne
Investments/other	A\$M	10	10	10	10	10	10	10	10	EBITDA / tonne milled
Tot Non-Curr. Assets	A\$M	180	200	202	200	196	176	144	105	Cash costs incl. royal
Total Assets Short Torm Borrowings	A\$M A\$M	339	397 2	483	541 2	592	644 2	679	715	+ deprn & amortn
Short Term Borrowings Other	A\$M A\$M	2 32	32	2 32	32	2 32	32	2 32	2 32	1
Total Curr. Liabilities	A\$M	33	33	33	33	33	33	33	33	Renison
Long Term Borrowings	A\$M	6	6	6	6	6	6	6	6	Renison cost/milled
Other Total Non-Curr. Liabil.	A\$M A\$M	40 46	40 46	40 46	40 46	40 46	40 46	40 46	40 46	EBITDA / tonne milled Cash costs incl. royal
Total Liabilities	A\$M	79	79	79	79	79	79	79	79	1
Net Assets	A\$M	259	317	404	462	513	565	600	636	+ deprn & amortn
Cashflow	Unit	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Price Assumptions
Operating Cashflow	A\$M	64	122	173	155	146	143	140	138	AUDUSD Copper
Income Tax Paid	A\$M	0.1		.,,	-18	-15	-14	-25	-23	
	A\$M									Tin
Interest & Other Operating Activities	A\$M A\$M	1 65	122	173	137	131	129	114	114	
		00	122	173	137	131	123	114	114	Sensitivity Analysis
Property, Plant & Equip.	A\$M	-23	-38	-27	-23	-23	-23	-13	-13	\ <u></u>
Exploration Asset sales	A\$M A\$M									Base Case
Investments	A\$IVI A\$M									US Cu price +/-10%
Investment Activities	ASM	-23	-38	-27	-23	-23	-23	-13	-13	US Sn price +/-10%
	-									AUDUSD +/- 10%
Borrowings	A\$M									Production +/-10%
Equity/dividend Financing Activities	A\$M ASM	-12 -12	-24 -24	-30 -30	-24 -24	-24 -24	-18 -18	-18 -18	-12 -12	Operating Costs +/-10
	-									Unpaid Capital
Net Cash Change	A\$M	29	60	116	90	84	89	84	90	Expiry year 30-Jun-18
Shares Ordinary Shares - End	Unit M	Jun 17 609	Jun 18 609	Jun 19 609	Jun 20 609	Jun 21 609	Jun 22 609	Jun 23 609	Jun 24 609	Total
Ordinary Shares - Weighted	M	609	609	609	609	609	609	609	609	Reserves & Resourc
Diluted Shares - Weighted	M	609	609	609	609	609	609	609	609	NIFTY Cu Measured
Ratio Analysis	Unit	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24	Indicated
GCFPS	Α¢	10.5	20.1	28.3	25.4	23.9	23.5	22.9	22.6	Inferred
CFR	X	7.1	3.7	2.6	2.9	3.1	3.2	3.2	3.3	INCLUDES TOTAL RE
EPS PER	A¢ X	7.3 10.2	15.4 4.8	19.8 3.8	17.3 4.3	15.6 4.8	12.5 6.0	11.6 6.4	10.7 6.9	MAROOCHYDORE Cu Indicated
DPS	%	2.0	4.0	5.0	4.0	4.0	3.0	3.0	2.0	Inferred
Yield	%	2.7	5.4	6.7	5.4	5.4	4.0	4.0	2.7	
Interest Cover ROCE	× %	na 24%	47%	68%	60%	56%	57%	66%	83%	RENISON Sn (MLX sh INCLUDES TOTAL RE
ROE	%	17%	47% 30%	34%	26%	21%	18%	16%	14%	RENTAILS Sn reserve
Gearing	%	2.3%	1.9%	1.5%	1.3%	1.2%	1.1%	1.0%	0.9%	
*All values fully diluted unless othe Debt/Equity	rwise stated	2.3%	1.9%	1.5%	1.3%	1.2%	1.1%	1.0%	0.9%	Hartleys model June
Share Price Valuation (NAV)		_	Est. A	\$/share						TOTAL NIFTY INVENT TOTAL RENISON INV
100% Nifty after tax 7% DR		327		0.54						
100% Maroochydore		65		0.11						
50% Renison after tax 7% DR Rentails 50%		162 32		0.27						
Wingellina 100%		32		0.05						
Exploration		49		0.08						
Corporate overheads		-49		-0.08						
Net cash (debt) Tax benefit		92 45		0.15						
Hedging		40		0.07						
Option value										
Total		756		1.24						

								Re	commen	dation Buy
Directors					am namı İnf	ermetien.				Бuy
Peter Newton (Chairman)				Level 3 18-	ompany Inf 32 Parliame	ent Place				
Varren Hallam (Executive Director a Simon Heggen (Non-Exec Director)	nd CEO)			V	Vest Perth. 1	WA 6005 220 5700				
Yimin Zhang (Non-Exec Director)					+61 8 9	220 5757				
Stephen Robinson (Non-Exec Direct	or)			y	vww.metals	x.com.au				
Top Shareholders BlackRock Group				n	n shares	%				
Apac Resources Limited					56	9				
Jinchuan Group Limited Ausbil Investment Management Limi	ited				44 31	7 5				
=					-					
Production Summary Nifty throughput	Unit Mt	Jun 16 1.60	Jun 17 1.65	Jun 18 2.00	Jun 19 2.50	Jun 20 2.50	Jun 21 2.50	Jun 22 2.50	Jun 23 2.50	Jun 24
Mined grade	%Cu	2.10	1.91	1.84	1.84	1.84	1.84	1.84	1.84	1.84
Combined Recovery & Payability Copper prodn	(kt)	0.92 31	0.92 29	0.92 34	0.92 42	0.92 42	0.92 42	0.92 42	0.92 42	0.92 42
Mine Life	ýr	13.4	12.0	8.9	6.1	5.1	4.1	3.1	2.1	1.1
Renison throughput (whole project)	Mt	0.69	0.75	0.79	0.86	0.86	0.86	0.86	0.86	0.86
Mined grade Combined Recovery & Payability	%Sn	1.29 0.71	1.33 0.72	1.39 0.71	1.39 0.70	1.39 0.70	1.39 0.70	1.39 0.70	1.39 0.70	1.39
Tin prodn (MLX share)	(kt)	3,177	3,590	3,902	4,193	4,193	4,193	4,193	4,193	4,193
Mine Life	yr	13.2	11.2	9.6	7.8	6.8	5.8	4.8	3.8	2.8
Costs Nifty		Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24
Cost / milled tonne	A\$/t	117	109	97	89	89	89	89	89	89
EBITDA / tonne milled ore Cash costs incl. royalty	A\$/t A\$/lb Cu	2.89	16 2.99	39 2.78	45 2.58	38 2.57	37 2.56	37 2.54	37 2.53	2.53
	US\$/lb	2.13	2.21	2.08	1.96	1.96	1.98	1.97	1.98	1.98
+ deprn & amortn	A\$/lb Cu US\$/lb	3.33 2.45	3.07 2.27	2.89 2.16	2.71 2.06	2.72 2.07	2.75 2.12	2.75 2.14	2.79 2.17	2.84 2.21
Renison										
Renison cost/milled tonne EBITDA/tonne milled ore	A\$/t A\$/t	136 9	121 25	122 25	129 27	129 26	129 24	129 23	129 22	129
Cash costs incl. royalty	A\$k/t Sn	18.1	16.2	15.1	14.7	15.1	15.2	15.4	15.6	15.8
+ depm & amortn	US\$k/t A\$k/t Sn	13.3 21.1	12.0 20.4	11.3 20.3	11.2 20.0	11.5 20.0	11.7 19.8	12.0 20.5	12.2 20.8	12.3 21.2
r dopin d dinoral	US\$k/t	15.6	15.1	15.2	15.2	15.2	15.3	16.0	16.3	16.6
Price Assumptions	Unit	Jun 16	Jun 17	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24
AUDUSD Copper	US\$/lb	0.735	0.739 2.51	0.750 2.87	0.760 2.88	0.763 2.75	0.772 2.75	0.778 2.75	0.780 2.75	0.780
Coppei	A\$/lb	3.01	3.40	3.83	3.78	3.60	3.56	3.54	3.53	3.53
Tin	US\$k/t A\$k/t	16.0 21.8	19.6 26.5	18.8 25.1	19.5 25.6	19.5 25.5	19.1 24.8	19.1 24.6	19.1 24.5	19.1
Sensitivity Analysis										
	V	aluation		F	18 NPAT					
Base Case	Sens	1.24 -10%	+10%	Sens	93.9	+10%				
			1.54	19%	76.1	111.8				
US Cu price +/-10%	24%	0.94								
US Sn price +/-10%	24% 11%	1.10	1.38	9% 28%	85.5 67.6	102.4				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10%	24% 11% 34% 4%	1.10 0.82 1.19	1.38 1.66 1.29	28% 13%	67.6 81.7	120.2 106.1				
US Sn price +/-10% AUDUSD +/- 10%	24% 11% 34%	1.10 0.82	1.38 1.66	28%	67.6	120.2				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital	24% 11% 34% 4%	1.10 0.82 1.19	1.38 1.66 1.29 1.51	28% 13% 31%	67.6 81.7 64.8	120.2 106.1 123.1				
US Sn price 4/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital Expirywar 30-Jun-18	24% 11% 34% 4%	1.10 0.82 1.19	1.38 1.66 1.29 1.51 No. (M)	28% 13%	67.6 81.7	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital Expiry year	24% 11% 34% 4%	1.10 0.82 1.19	1.38 1.66 1.29 1.51	28% 13% 31%	67.6 81.7 64.8	120.2 106.1 123.1				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capitat Expiry year Total Reserves & Resources June *16	24% 11% 34% 4% 22%	1.10 0.82 1.19 0.97	1.38 1.66 1.29 1.51 No. (M) 3	28% 13% 31% \$M	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capitat Expiry year Total Reserves & Resources June *16	24% 11% 34% 4% 22%	1.10 0.82 1.19 0.97	1.38 1.66 1.29 1.51 No. (M) 3	28% 13% 31% \$M	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AJDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital Expiryaer 30-Jun-18 Total Reserves & Resources June *16 MiFTY Cu Measured Indicated	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4	1.10 0.82 1.19 0.97	1.38 1.66 1.29 1.51 No. (M) 3 3 3 kt 581 C 387 91	28% 13% 31% \$M	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AUDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital Expiry yaar 30-Jun-18 Total Reserves & Resources June *16 NIFT Cu Measured Indicated Indicated	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4 5.0	1.10 0.82 1.19 0.97	1.38 1.66 1.29 1.51 No. (M) 3 3 3 kt 581 C 387 91 60	28% 13% 31% \$M	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
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US Sn price +/-10% ALDUSD +/- 10% Production +/-10% Operating Costs +/-10% Unpaid Capital Expiryasr 30-Jun-18 Total Reserves & Resources June *16 MIFTY Cu Measured Indicated Inferred INCLUDES TOTAL RESERVE	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4 5.0 5.2	1.10 0.82 1.19 0.97	1.38 1.66 1.29 1.51 No. (M) 3 3 3 kt 581 C 387 91 60 312	28% 13% 31% \$M	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
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US Sn price 4-/10% AJDUSD 4-/10% Production 4-/10% Operating Costs 4	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4 5.0 5.2 48.6 40.8 7.8 6.5 3.4	1.10 0.82 1.19 0.97 1.7 2.1 1.2 1.2 1.9 0.9 1.4 1.5 1.29	1.38 1.66 1.29 1.51 No. (M) 3 3 3 kt 581 C 387 91 60 312 485 375 110 94 S	28% 13% 31% <u>SM</u>	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AUDUSD +/-10% Production +/-10% Operating Costs +/-10% Unpaid Carpital Enginyear 30-Jun-18 Total Reserves & Resources June *16 NIFT Cu Measured Indicated Indicated Includes Total RESERVE MAROOCHYDORE Cu Indicated Indicated Indicated InCLUDES TOTAL RESERVE RENISON Sn (MLX share) INCLUDES TOTAL RESERVE	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4 5.0 5.2 48.6 40.8 7.8	1.10 0.82 1.19 0.97 % 1.7 2.1 1.2 1.9 1.0 0.9 1.4	1.38 1.66 1.29 1.51 No. (M). 3 3 kt 581 C 387 91 60 312 485 375 110	28% 13% 31% <u>SM</u>	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
US Sn price +/-10% AUDUSD +/-10% Production +/-10% Operating Costs +	24% 11% 34% 4% 22% Mt 34.5 18.8 7.4 5.0 5.2 48.6 40.8 7.8 6.5 3.4	1.10 0.82 1.19 0.97 1.7 2.1 1.2 1.2 1.9 0.9 1.4 1.5 1.29	1.38 1.66 1.29 1.51 No.(M) 3 3 3 *** *** *** *** *** *** *** *** *	28% 13% 31% <u>SM</u>	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
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US Sn price +/-10% AUDUSD +/-10% Production +/-10% Production +/-10% Unpaid Capital Expiryusar 30-Jun-18 Total Reserves & Resources June *16 NIFTY Cu Measured Indicated Intered Includes Total RESERVE MAROOCHYDORE Cu Indicated Intered Includes Total RESERVE MAROOCHYDORE Cu Indicated Intered Includes Total RESERVE RENTALL S neserve (MLX share) INCLUDES TOTAL RESERVE RENTALLS S neserve (MLX share) Hartleys model June *17	24% 11% 44% 42% 22% Mt 34.5 18.8 7.4 5.0 5.2 48.6 40.8 7.3 4.10.5 3.4 10.5	1.10 0.82 1.19 0.97 % 1.7 2.1 1.2 1.2 1.9 1.0 0.99 1.4 1.5 1.29 0.45	1.38 1.66 1.29 1.51 No. (M) 3 3 3 kt 581 C 387 91 60 312 485 375 110 94 S 43 47	28% 13% 31% SM	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
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US Sn price +/-10% AUDUSD +/-10% Production +/-10% Operating Costs +	24% 11% 44% 42% 22% Mt 34.5 18.8 7.4 5.0 5.2 48.6 40.8 7.3 4.10.5 3.4 10.5	1.10 0.82 1.19 0.97 1.7 2.1 1.2 1.9 1.0 0.9 1.4 1.5 0.9 1.4 1.5 0.9	1.38 1.66 1.29 1.51 No.(M). 3 3 3 kt 581 C 387 91 60 312 485 375 110 94 S 43 47	28% 13% 31% SM	67.6 81.7 64.8	120.2 106.1 123.1 % ord 0.6%				
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NIFTY RESERVE DEFINITION

The long game at Nifty

The extant reserve estimate made under previous management (5Mt at 1.85% Cu as at March 2016) dictates perceptions of Nifty as a short life mine with unstable ground conditions. However Nifty copper mineralisation extends well beyond the areas worked and outlined before MLX brought the project under its wing in August 2016. MLX is drilling 80-100m/day from underground with the plan of extending reserves by May 2017, and extending them again in the 2nd half of the calendar year. The best indication of the potential scale of the upgrades is apparent from Figure 1.



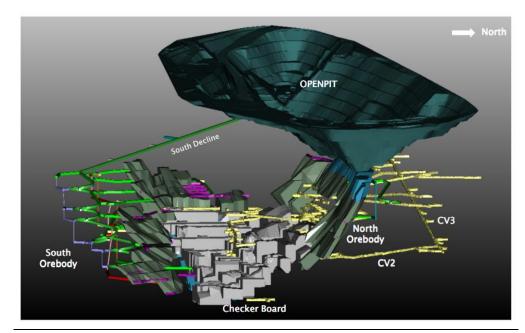
Sources:MLX 2017, Hartleys.

Nifty's total defined inventory (reserves + mined) of 24Mt at 2.2% Cu lies within the areas selected in a 2006 feasibility study. MLX is seeking to extend the reserves into new areas for the first time since 2006.

The Nifty deposit is in a syncline (narrow bowl shape) with the axis plunging shallowly (15deg) to right of page on the plan (east). March 2016 reserves and past sulphide production of 19Mt at 2.2% Cu has come almost entirely from the 600m by 200m area shown as stoping blocks (Figure 1). A further 5Mt of reserves were quarantined in 2014, so ore in the old plan totals about 24Mt. There are no interpreted geological boundaries interrupting the deposit down plunge. In 2016 MLX began drilling up and down plunge to extend reserves into these areas for the first time in over a decade. Up plunge the deposit daylights in the open pit (Figure 2) and down plunge the deposit is open, beyond depths of about 400 mbs. A seismic survey to be completed in early April 2017 will assist with deeper down plunge drilling from surface in the 2nd half.

Nifty Reserves were pared to 5.2Mt at 1.85% Cu under previous ownership as at March 2016. Given the deposit geometry MLX could outline +10Mt as a reserve in FY17 and +20Mt in FY18, at 1.8-2.0% Cu. At a 2.5Mtpa throughput rate, 20Mt is 8 years mine life.

Fig. 2: Nifty schematic isometric view looking west.



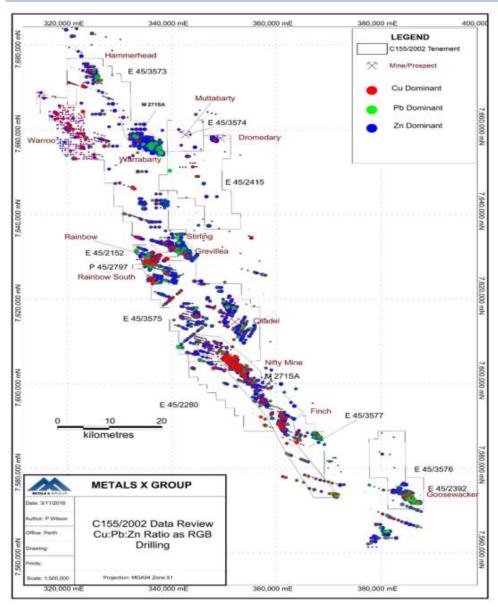
MLX plans to spend \$10-15M in FY2018 on exploration at Nifty.

Source: ABY, 2013.

REGIONAL EXPLORATION

MLX has also had a chance to review the regional exploration database at Nifty, most of it generated by WMC more than 20 years ago. Nifty lies within a 200km long string of copper anomalies and parallel to a trend of zinc-lead anomalism. MLX is putting a regional exploration program together, starting with collation and extension of 3D IP data generated by previous operator. Maroochydore (Cu, 80km from Nifty) is the most advanced of the regional prospects under review. Finch (Cu, 12km from Nifty) and Warrabarty (Zn/Pb, 60km from Nifty) are additional 2-5km scale anomalies defined by shallow, wide spaced drilling (Figure 3). The project exploration budget of up to \$7M this year will include an allocation for regional drilling. MLX intends spending \$10-15M on exploration in FY2018.

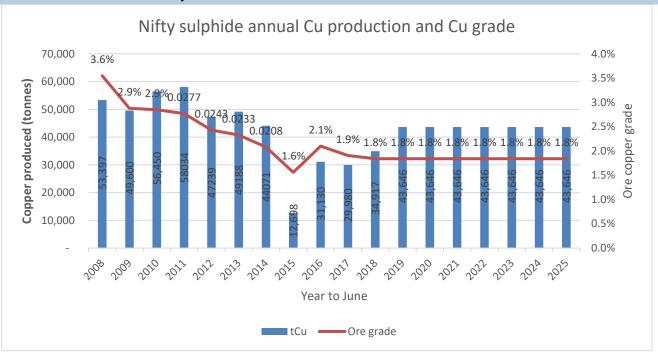
Fig. 3: Nifty regional tenure and Cu/Pb/Zn ratios from historic drilling.



Source: MLX 2017.

NIFTY PRODUCTION

Fig. 4: Nifty head grade and copper output since commissioning, 2007. Years to 2016 actual and Hartleys' forecast from 2017.



Sources: ABY reports, MLX reports, Hartleys.

Nifty is running at 55-60% of installed capacity.

The Nifty concentrator has rated capacity of 2.5 Mtpa ore throughput, but is currently being run two weeks on and one week off. The underground mine crusher and conveyor ore haulage capacity is 3.0 Mtpa. Production is currently about 70% from the older area and 30% from new areas; a proportion the company wants to reverse by late CY2017. To do so drilling must be built up ahead of development. MLX is spending about \$1M/quarter on drilling and \$1M/month on development above production needs. Hartleys assumes an increase in ore extraction and processing rates to 2.0Mtpa from July 2017 and to 2.5Mtpa from July 2018.

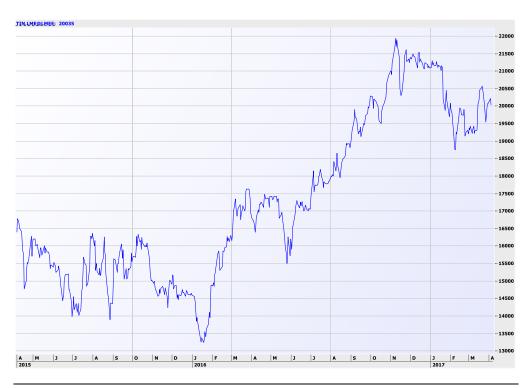
RENISON TIN

MLX has committed to X-ray ore sorting at Renison. The facility will be integrated with a new crusher, at a cost of \$13M (100% basis) in the December 2017 half. Subsequent output of tin in concentrate should increase by 20%. Additional development to increase mine production will be reflected from the June 2017 quarter. Hartleys' forecasts have been adjusted accordingly.

Rentails is an uncommitted expansion opportunity for MLX, with flow on effects on operational flexibility and regional growth prospects. Funding discussions with the JV partner and third parties is ongoing.

Tin prices have recovered after China passively removed export tariffs on the metal in January. An initial surge of Chinese stocks onto other markets appears to have been short lived and the base narrative of supply constraint is intact.

Fig. 5: LME tin price (US\$/t), 2015-2017.



Source: IRESS.

Hartleys' 12 month price target is \$1.33 per share.

VALUATION AND PRICE TARGET

Key model assumptions;

- 1. Nifty 19.9 Mt inventory at 1.8% Cu, mined at 2.5 Mtpa from July 2018. 92% met/payable recovery.
 - The inventory is 3.5 times the March 2016 reserve, in terms of contained copper. Capital costs of definition and development are included in the model. The mine life is assumed to extend to 2025.
- 2. Nifty site cost of \$A89/t of milled ore, US\$82/t concs transport, US\$95, 0.09 TCRC, 97% payability → US2.98/lb C3 (C1+royalty+deprn, AUDUSD 0.78).
- 3. Cu price as per summary table. (US\$2.75/lb).
- 4. Renison 8.4Mt inventory at 1.4% Sn, mined at 860ktpa, 71% met recovery. The modelled inventory contains 70% more contained tin than the June 2016 reserves. Ore definition at Renison progresses with mining. Capital costs of definition and development are included in the model. The mine life is assumed to extend to 2027.
- 5. Site cost of A\$129/t milled ore, US\$110 concs transport, 92% net pay. US\$1.5Mpa Cu revenue → US\$15,000/t C3 (C1+royalty+deprn, AUDUSD 0.78).
- 6. Sn price as per summary table; US\$19,100/t.
- 7. AUDUSD 0.78.
- 8. A corporate overheads liability is included in the valuation to reflect the cost of management over the operational life of the company. Corporate overhead costs are estimated at A\$5Mpa.

Hartleys' estimated NAV for MLX is 124cps, using price forecasts similar to consensus as set out in the summary model page. A real, after tax discount rate of 7% is used.

At real spot price assumptions the MLX NAV estimate decreases to 118cps, with MLX's share of Renison increasing (to 31cps) and lower copper prices leading to a lower valuation for Nifty (45cps). Undeveloped projects Maroochydore, Wingellina and

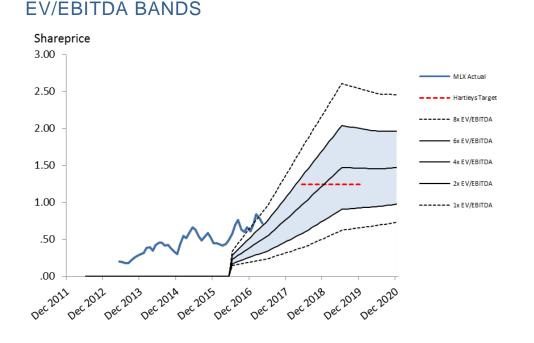
Rentails are valued informally or in relative terms, and as if they were in separate unfunded entities. The value attributed to exploration (8cps) is intended to account for all prospects outside of modelled inventory or nominated exploration projects. Both Nifty and Renison have substantial associated exploration tenure and prospects.

At the end of December 2016 MLX had cash and working capital of \$112M, of which \$84M, or about a quarter of annual revenue, was unsold concentrate at various stages of sale. Unsold inventory is valued by MLX at spot prices at the end of accounting periods. At the end of December 2016 the tin price (A\$29,290) was higher than present spot (A\$26,700) but the copper price was lower; A\$3.44 vs today A\$3.47/lb. Hedging and timing aside, a similar volume of unsold concentrate might be revalued at 12 April 2017 at about \$3M less (copper is the larger revenue stream).

MLX's owns 6.7% of Brainchip (BRN.ASX), which has a market value of A\$9M at 25cps.

The 12 month price target for MLX is 7% more than the estimated NAV, or 133 cps.

MLX completed a demerger in December 2016, splitting its gold assets into Westgold Resources (WGX.ASX).



Source: Hartleys.

RISKS

Assumption	Risk of not realising assumption	Risk to valuation if assumption is incorrect	Comment
Copper price	Medium	High	A higher copper price is assumed because current settings are unlikely to encourage sufficient supply to meet future demand.
Tin price	Low	High	A marginal tin supply response is expected, bringing the tin price down to ~\$19,500/t.
Nifty reserve extension	Medium	High	Nifty is open down plunge and exploration drilling access has been limited.
Nifty costs	Medium	High	MLX has not yet demonstrated lower unit costs at Nifty, which are assumed to be broadly in line with other large underground mines.
Renison reserve extension	Low	Medium	Renison reserves progress with mine development around the margins of the resource.
Conclusion	opportunity. Both Nifty	and Renison are consid	d geological, and each has a counter balancing lered middle to lower cost curve producers in their long term mine life potential.

Source: Hartleys Research

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Hartleys Recommendation Categories

Buy	Share price appreciation anticipa	ated.

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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