

5 December 2011

# **Alkane Resources**

Site visit highlights

We conducted a site visit last week to ALK's pilot plant (Sydney) and mining projects in the Central West of New South Wales (Figs. 1-6). The visit reinforced the robust nature of the Dubbo Zirconia Project (DZP) and attractive pro-mining location. Infrastructure is excellent and community support for the project appears strong. We recommend buying ALK with 372% upside to NPV of A\$4.82/share.

### **Dubbo Zirconia Project**

- Excellent infrastructure with access to road and rail.
- Appealing location to entice skilled labour/workforce.
- · Community support appears strong.
- No native title.
- Majority of land (>80%) secured via call options.
- DZP ore has low level Ur (100ppm) & Th (400ppm).
- ALK management has solid operational experience.
- Plant is modular and designed to be expanded.
- Additional project cost savings have been identified.

## Funding - several options exist

- Strong interest from offtakers to acquire project equity.
- ALK believe 10% selldown could provide \$300M cash.
- Strong interest from govt agencies to provide debt.
- Up to \$700M in funding likely from offtakers and debt.
- Newmont reviewing options for McPhillamys (Mar qtr).
- ALK's 49% stake could attract >\$100M.

# **Tomingley Gold**

- Production 50-60kozpa with potential for +80kozpa.
- Reserves / resources 209koz / 689koz (respectively).
- Mine Life 7.5 years but up to 12 years potential.
- Strong exploration upside.

# **Peak Hill**

- ALK operated Peak Hill from 2002-2006 for 152koz.
- Sulphide resource of 467koz exists below the pit.
- · Potential source of cheap sulphur for DZP.

## **Newsflow ahead**

- Q1 2012 Resource/reserve upgrade Tomingley.
- Q1 2012 Drilling at Dubbo and Bodangora.
- Q1 2012 Rare earth MOUs.
- Q1 2012 Tomingley project approval.
- Q2/3 2012 Dubbo financing.
- Q1/2 2013 First production Tomingley.
- Q2/3 2014 First production Dubbo.

# ALK

# \$1.02/share

**BUY** 

#### **Company Data**

Shares - ordinary	269.0M
Options	OM
Total (fully diluted)	269.0M
Market Cap	\$274.4M
12 month low/high	\$0.79 / \$2.73
Average monthly turnover	\$54.8M

#### Financial Summary (fully diluted) - 1Mtpa rates

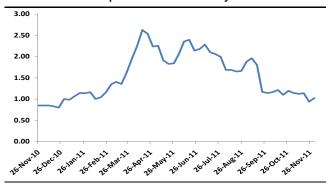
Year end June	2010A	2011F	2012F	2013F	2014F	2015F
Revenue (\$M)	0.2	0.0	0.0	58.2	341.9	617.4
Costs (\$M)	1.5	2.2	2.5	35.1	147.4	253.3
EBITDA (\$M)	-2.1	-2.2	-2.5	23.0	194.5	364.1
NPAT (\$M)	-1.8	-2.3	-14.2	-30.0	74.4	188.9
EPS (¢ps)	-0.7	-0.9	-5.3	-11.2	27.7	70.2
PER (x)	na	na	na	na	3.7	1.5
Cashflow (Gross-\$M)	-1.2	-2.3	-14.2	-19.9	133.5	280.1
CFPS (¢/sh)	-0.5	-0.9	-5.3	-7.4	49.6	104.1
PCFPS (x)	na	na	na	na	2.1	1.0
Enterprise Value (\$M)	244	277	621	1143	1132	873
EV / EBITDA (x)	na	na	na	49.6	5.8	2.4

Substantial Shareholders (FPO)	Shares (M)	(%)
Abbotsleigh	70.9	26.4%

# Board

Director	Position	Executive	Independent
Ian Chalmers	MD	Executive	-
John Dunlop	Chairman	Non-Exec	Independent
lan Gandel	Director	Non-Exec	Independent
Tony Lethlean	Director	Non-Exec	Independent

### Alkane Resources - performance over one year



Disclosure and Disclaimer

This report must be read with the disclosure and disclaimer on the final page of this document. Petra Capital was a broker to the issue of 20M shares at \$1.05/share in February 2011, raising A\$21.0M. A fee was received.

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# **Analysis**

ALKANE RESOURCES	3							Share Price	(\$)	1.02					
(ALK AU) (ALKNY OT	CQX)							Iss. Shares	(M)	269.0					
5-Dec-11								Iss. Options	(M)	0.0					
Year End 31 Dec								Mkt Cap.	(\$M)	274.4					
PROFIT & LOSS		2010A	2011F	2012F	2013F	2014F	2015F	RESOURCES		2010A	2011F	2012F	2013F	2014F	2015F
Sales Revenue	\$M	0.0	0.0	0.0	58.2	341.9	617.4	Tomingley Gold (NSW)							
Other Income	\$M	0.2	0.0	0.0	0.0	0.0	0.0	Tonnes	Mt	11.3	11.3	11.3	10.6	9.6	8.6
Operating Costs	\$M	1.5	2.2	2.5	35.1	147.4	253.3	Grade (gold)	g/t	1.8	1.8	1.8	1.8	1.9	1.9
Exploration	\$M	8.0	0.0	0.0	0.0	0.0	0.0	Contained Gold	oz	661,212	661,212	661,212	624,078	571,029	517,981
Other	\$M	0.0	0.0	0.0	0.0	0.0	0.0	McPhillamys Gold (NSW)							
EBITDA	\$M	(2.1)	(2.2)	(2.5)	23.0	194.5	364.1	Tonnes	Mt	91.9	91.9	91.9	91.9	91.9	91.9
Depreciation & Amort.	\$M	0.0	0.0	0.0	10.1	27.2	42.1	Grade (gold)	g/t	1.0	1.0	1.0	1.0	1.0	1.0
EBIT	\$M	(2.1)	(2.2)	(2.5)	13.0	167.3	322.0	Contained Gold	Moz	2.96	2.96	2.96	2.96	2.96	2.96
Net Interest	\$M	(0.3)	0.1	11.7	43.0	61.0	52.1	Dubbo Zirconia (NSW)							
Pre-Tax Profit	\$M	(1.8)	(2.3)	(14.2)	(30.0)	106.3	269.9	Tonnes	Mt	73.2	73.2	73.2	73.2	72.7	71.7
Tax	\$M	0.0	0.0	0.0	0.0	31.9	81.0	Zirconium (ZrO <sub>2)</sub>	%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Minorities	\$M	0.0	0.0	0.0	0.0	0.0	0.0	Niobium	%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Net Profit	\$M	(1.8)	(2.3)	(14.2)	(30.0)	74.4	188.9	Yt + REE	%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
Abnormal	\$M	9.6	0.0	0.0	0.0	0.0	0.0	Contained product	Mt	2.4	2.4	2.4	2.4	2.4	2.4
Reported Profit	\$M	7.8	(2.3)	(14.2)	(30.0)	74.4	188.9	ATTRIBUTABLE PRODUC					04.505	10.005	40.005
Dividends Paid	\$M	0.0	0.0	0.0	0.0	0.0	0.0	Tomingley Gold	oz	-	-	-	34,535	49,335	49,335
Adjustments	\$M	0.0	0.0	0.0	0.0	0.0	0.0	DZP - ZrO <sub>2</sub> products	t .	0	0	0	0	8,036	16,715
Retained Earnings	\$M	(16.6)	(19.0)	(33.1)	(63.1)	11.3	200.2	DZP - Niobium	t	0	0	0	0	1,617	3,363
O A OLL EL OW								DZP - LREE	t	0	0	0	0	1,713	3,564
CASH FLOW	es.	0.0	0.0	0.0	E0.0	0.44.0	647 :	DZP - YHREE	t	0	0	0	0	563	1,171
Revenue	\$M	0.0	0.0	0.0	58.2	341.9	617.4	Other	t	0.0	0.0	0.0	0.0	0.0	0.0
Costs	\$M	(1.5)	(2.2)	(2.5)	(35.1)	(147.4)	(253.3)	Total - Dubbo	t	0	0	0	0	11,929	24,813
Net Interest	\$M	0.3	(0.1)	(11.7)	(43.0)	(61.0)	(52.1)	REVENUE Tomingley Cold	014	0.0	0.0	0.0	F0.0	70.5	75-
Tax Paid	\$M	0.0	0.0	0.0	0.0	0.0	(31.9)	Tomingley Gold	\$M	0.0	0.0	0.0	58.2	79.5	75.5
Gross Cash Flow	\$M	(1.2)	(2.3)	(14.2)	(19.9)	133.5	280.1	Dubbo Zirconia	\$M	0.0	0.0	0.0	0.0	262.4	541.9
Net Capex	\$M	(1.0)	(25.0)	(330.0)	(501.3)	(122.6)	(21.9)	Other	\$M	0.2	0.0	0.0	0.0	0.0	0.0
Exploration	\$M	(7.8)	0.0	0.0	0.0	0.0	0.0	Total	\$M	0.2	0.0	0.0	58.2	341.9	617.4
Dividends	\$M	0.0	0.0	0.0	0.0	0.0	0.0	COSTS Tomingless Cold	A\$/oz	0	0	020	020	020	930
Other	\$M	0.2	0.0	0.0	0.0	0.0	0.0	Tomingley Gold				930	930	930	
Free Cashflow	\$M	(9.9)	(27.3)	(344.2)	(521.2)	11.0	258.2	Tomingley Gold	\$M	0.0	0.0	0.0	32.1	45.9	45.9
Equity Issues	\$M	0.0	20.0	0.0	0.0	0.0	0.0	Dubbo Zirconia	\$M	0.0	0.0	0.0	0.0	98.0	203.9
Net Borrowings	\$M	0.0	20.0 0.0	350.0	525.0	0.0	(200.0)	Other	\$M \$M	1.5 1.5	2.2 2.2	2.5 2.5	3.0 35.1	3.5 147.4	3.5 253.3
Net Investments	\$M \$M	9.6	12.6	0.0 <b>5.8</b>	0.0 <b>3.8</b>	0.0 <b>11.0</b>	0.0 <b>58.2</b>	Total CAPEX	ΦIVI	1.5	2.2	2.5	35.1	147.4	253.3
Surplus Cash Flow	φIVI	(0.3)	12.0	3.0	3.0	11.0	36.2	Tomingley Gold	\$M	2.0	10.0	80.0	1.3	1.3	1.3
BALANCE SHEET								Dubbo Zirconia	\$M	0.0	15.0	250.0	500.0	121.3	20.6
Cash	\$M	4.6	17.2	23.0	26.8	37.8	95.9	Other	\$M	-1.0	0.0	0.0	0.0	0.0	0.0
Other Current	\$M	0.4	10.0	10.0	11.6	20.5	43.2	Total	\$M	1.0	25.0	330.0	501.3	122.6	21.9
Total Current	\$M	5.0	27.2	33.0	38.4	58.3	139.1	DEPRECIATION	ψινι	1.0	20.0	000.0	001.0	122.0	21.0
Fixed Assets	\$M	2.1	27.1	357.1	848.3	943.6	923.4	Tomingley Gold	\$M	0.0	0.0	0.0	10.1	14.6	14.9
Exploration	\$M	39.3	36.0	38.0	38.0	36.0	0.0	Dubbo Zirconia	\$M	0.0	0.0	0.0	0.0	12.6	27.2
Intangibles	\$M	0.0	0.0	0.0	0.0	0.0	0.0	Other	\$M	0.0	0.0	0.0	0.0	0.0	0.0
Other	\$M	0.5	0.5	0.5	0.5	0.5	0.5	Total	\$M	0.0	0.0	0.0	10.1	27.2	42.1
Total NC Assets	\$M	41.8	63.6	395.6	886.8	980.1	923.9	EBITDA	-						
TOTAL ASSETS	\$M	46.8	90.8	428.6	925.2	1,038.4	1,063.1	Tomingley Gold	\$M	0.0	0.0	0.0	26.0	33.6	29.6
Total Debt	\$M	0.0	20.0	370.0	895.0	895.0	695.0	Dubbo Zirconia	\$M	0.0	0.0	0.0	0.0	164.4	338.1
Current Liab	\$M	1.1	1.1	1.1	1.1	33.0	82.0	Other	\$M	-2.1	0.0	0.0	0.0	0.0	0.0
Non Current Liab	\$M	0.2	6.5	8.5	10.1	17.0	3.7	Total	\$M	-2.1	0.0	0.0	26.0	198.0	367.6
TOTAL LIAB	\$M	1.3	27.6	379.6	906.2	945.0	780.7	HEDGING				2.3			
NET ASSETS	\$M	45.6	63.2	49.0	19.0	93.4	282.3	Gold hedged	oz	0	0	0	0	0	0
SH/HLDRS FUNDS	\$M	45.6	63.2	49.0	19.0	93.4	282.3	Hedged price	US\$/oz	0	0	0	0	0	0
	,							Hedged price	A\$/oz	0	0	0	0	0	0
RATIO ANALYSIS								Sales hedged	%	0%	0%	0%	0%	0%	0%
				(5.3)	(11.2)	27.7	70.2	Ave. deliverable price	US\$/oz	1226	1594	1750	1600	1450	1300
	ď:	(0.7)	(0.9)					Ave. deliverable price	A\$/oz			1,716	1,684	1,611	1,529
EPS	¢	(0.7) na	(0.9) na		na	3.7	1.5	Ave. deliverable blice		1.333	1.020		1.004		,520
EPS PER	x	na	na	na	na 111.7	3.7 (348.1)	1.5 153.8		Αψ/02	1,333	1,526	1,710	1,004		
EPS PER EPS Growth					na 111.7 8.6	3.7 (348.1) 72.3	1.5 153.8 135.4	ASSUMPTIONS	A\$/US\$	0.92	1,04	1.02	0.95	0.90	0.85
EPS PER EPS Growth EBITDA per share	х % ¢	na 0.8 -0.8	na 18.9 -0.8	na 509.5 -0.9	111.7 8.6	(348.1) 72.3	153.8 135.4	ASSUMPTIONS Exchange Rate	A\$/US\$	0.92	1.04	1.02	0.95		
EPS PER EPS Growth EBITDA per share EBITDA Multiple	× %	na 0.8	na 18.9	na 509.5 -0.9 -109.8	111.7	(348.1)	153.8	ASSUMPTIONS	A\$/US\$ US\$/oz	0.92 1226	1.04 1594	1.02 1750	0.95 1600	0.90 1450 1611	1300
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA	x % ¢ x	na 0.8 -0.8 -119.3 -117.1	na 18.9 -0.8 -124.7 -126.0	na 509.5 -0.9 -109.8 -248.5	111.7 8.6 11.9 49.6	(348.1) 72.3 1.4 5.8	153.8 135.4 0.8 2.4	ASSUMPTIONS Exchange Rate Gold Price Gold Price	A\$/US\$ US\$/oz A\$/oz	0.92 1226 1333	1.04 1594 1526	1.02 1750 1716	0.95 1600 1684	1450 1611	1300 1529
EPS PER EPS Growth EBITDA per share EBITDA Multiple	x % ¢ x x	na 0.8 -0.8 -119.3 -117.1 (0.5)	na 18.9 -0.8 -124.7 -126.0 (0.9)	na 509.5 -0.9 -109.8 -248.5 (5.3)	111.7 8.6 11.9 49.6 (7.4)	(348.1) 72.3 1.4 5.8 49.6	153.8 135.4 0.8 2.4 104.1	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price	A\$/US\$ US\$/oz A\$/oz US\$kg	0.92 1226 1333 6.00	1.04 1594 1526 7.00	1.02 1750 1716 11.00	0.95 1600	1450	1300 1529 11.00
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR	x % ¢ x x	na 0.8 -0.8 -119.3 -117.1 (0.5) na	na 18.9 -0.8 -124.7 -126.0 (0.9) na	na 509.5 -0.9 -109.8 -248.5 (5.3) na	111.7 8.6 11.9 49.6 (7.4) na	(348.1) 72.3 1.4 5.8 49.6 2.1	153.8 135.4 0.8 2.4 104.1 1.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg	0.92 1226 1333 6.00 35.00	1.04 1594 1526 7.00 35.00	1.02 1750 1716 11.00 35.00	0.95 1600 1684 12.00 55.00	1450 1611 11.50 45.00	1300 1529 11.00 40.00
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS	× ¢ × × ¢	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0	111.7 8.6 11.9 49.6 (7.4) na 0.0	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0	153.8 135.4 0.8 2.4 104.1 1.0 0.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00	1.04 1594 1526 7.00 35.00 110.00	1.02 1750 1716 11.00 35.00 110.00	0.95 1600 1684 12.00 55.00 100.00	1450 1611 11.50 45.00 90.00	1300 1529 11.00 40.00 80.00
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield	x ¢ x x ¢ x	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0	153.8 135.4 0.8 2.4 104.1 1.0 0.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68	1.04 1594 1526 7.00 35.00 110.00 4.95	1.02 1750 1716 11.00 35.00 110.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25	1450 1611 11.50 45.00 90.00 5.25	1300 1529 11.00 40.00 80.00 5.25
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking	x % ¢ x x ¢ x	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0.0	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50	1300 1529 11.00 40.00 80.00 5.25 5.50
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio	x % ¢ x x ¢ x ¢ %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0.0 0	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0 0	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0.0 0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68	1.04 1594 1526 7.00 35.00 110.00 4.95	1.02 1750 1716 11.00 35.00 110.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00	1300 1529 11.00 40.00 80.00 5.25 5.50 6.00
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio Gearing D/E	x % ¢ x x ¢ x ¢ %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0.0 0 0% na	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0 0% 4.5	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0 0 0% 707.8	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0 0% 4,564.0	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0 0% 917.4	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0.0 0 0% 212.2	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged VALUATION	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00	1300 1529 11.00 40.00 80.00 5.25 5.50 6.00
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio Gearing D/E Interest Cover	x % ¢ x x ¢ x ¢ % %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0.0 0 0% na 6.5	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0 0% 4.5 na	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0 0 0% 707.8 na	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0 0% 4,564.0 0.3	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0 0% 917.4 2.7	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0.0 0 0% 212.2 6.2	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged VALUATION Tomingley Gold	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00 <b>A\$M</b> 77.1	1300 1529 11.00 40.00 80.00 5.25 5.50 6.00 <b>A\$ps</b>
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio Gearing D/E Interest Cover EBITDA Margin	x % ¢ x x ¢ x ¢ % %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0 0 0% na 6.5 na	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0 0% 4.5 na na	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0 0 0 707.8 na na	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0 0% 4,564.0 0.3 39.6	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0 0% 917.4 2.7 56.9	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0 0% 212.2 6.2 59.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged VALUATION Tomingley Gold Dubbo Zirconia	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00 A\$M 77.1 5	1300 1529 11.00 40.00 80.00 5.25 5.50 6.00 <b>A\$ps</b> \$ 0.29 \$ 4.17
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio Gearing D/E Interest Cover EBITDA Margin EBIT Margin	x % ¢ x ¢ % % % x % %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0.0 0 0% na 6.5 na na	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0 0% 4.5 na na	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0.0 0 0% 707.8 na na	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0 0% 4,564.0 0.3 39.6 22.3	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0 0% 917.4 2.7 56.9 48.9	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0 0 0% 212.2 6.2 59.0 52.2	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged VALUATION Tomingley Gold Dubbo Zirconia McPhillamys	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00 A\$M 77.1 1 1,121.9 1	\$ 4.17 \$ 0.28
EPS PER EPS Growth EBITDA per share EBITDA Multiple EV/EBITDA CFPS PCFR DPS Yield Franking Payout Ratio Gearing D/E Interest Cover EBITDA Margin	x % ¢ x x ¢ x ¢ % %	na 0.8 -0.8 -119.3 -117.1 (0.5) na 0.0 0 0 0% na 6.5 na	na 18.9 -0.8 -124.7 -126.0 (0.9) na 0.0 0.0 0 0% 4.5 na na	na 509.5 -0.9 -109.8 -248.5 (5.3) na 0.0 0 0 0 707.8 na na	111.7 8.6 11.9 49.6 (7.4) na 0.0 0.0 0 0% 4,564.0 0.3 39.6	(348.1) 72.3 1.4 5.8 49.6 2.1 0.0 0.0 0 0% 917.4 2.7 56.9	153.8 135.4 0.8 2.4 104.1 1.0 0.0 0 0% 212.2 6.2 59.0	ASSUMPTIONS Exchange Rate Gold Price Gold Price Zirconia price LREE Price YHREE Price 90 day Bank Bills 10 Yr Bond rate Interest Rate Charged VALUATION Tomingley Gold Dubbo Zirconia	A\$/US\$ US\$/oz A\$/oz US\$kg US\$kg US\$kg	0.92 1226 1333 6.00 35.00 50.00 4.68 5.38	1.04 1594 1526 7.00 35.00 110.00 4.95 5.12	1.02 1750 1716 11.00 35.00 110.00 5.00 5.00	0.95 1600 1684 12.00 55.00 100.00 5.25 5.50	1450 1611 11.50 45.00 90.00 5.25 5.50 6.00 A\$M 77.1 5	1300 1529 11.00 40.00 80.00 5.25 5.50 6.00 <b>A\$ps</b> \$ 0.29 \$ 4.17 \$ 0.28 \$ 0.04



Assets are located ~400km northwest of Sydney with the following projects in the region:

- Cadia (Newcrest)
- Northparkes (Rio)
- Cowal (Barrick)



Source: Petra Capital

Figure 2: Dubbo Zirconia Project (DZP)

The DZP orebody outcrops on a hill and contains one of the world's largest known, in-ground resources of zirconium, niobium, yttrium and rare earth elements.

Power lines run through the tenements.





Strip ratio is extremely low at 0.1:1 reflecting the existence of ore from surface.

Figure 3: Outcropping DZP ore



Source: Petra Capital

Figure 4: Stockpiled DZP ore

Around 500t of ore was crushed and stockpiled. The picture shows the remaining 400t after 100t has been processed through the pilot plant.





Drill core from the DZP, Tomingley and Peak Hill projects are stored at a central core shed.

Figure 5: Core Shed



Source: Petra Capital

Figure 6: Peak Hill Mine

ALK operated the Peak Hill gold mine from 2002-2006. A sulphide resource of 467koz exists below the pit.





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