ALKANE
RESOURCES LTD
ABN 35 000 689 216

21 November 2008

Manager Announcements
Company Announcements Office
ASX Limited
20 Bridge Street
Sydney NSW 2000

Dear Sir,

PRESENTATION

Attached is a copy of a presentation to the 4th International Rare Earth Conference being held in Hong Kong.

A copy of this presentation will also be available on the Company's website www.alkane.com.au.

Yours faithfully,
for **ALKANE RESOURCES LTD**

D I Chalmers
Managing Director

ALKANE RESOURCES LTD

ABN 35 000 689 216

Dubbo Zirconia Project
Australia

A new source of supply for the rare earths sector

4th International Rare Earth Conference
Hong Kong November 2008

Roskill Information Services Ltd — Metal Events Ltd

ALKANE

Public company listed on the ASX since 1969
2,700 mostly Australian shareholders

Multi commodity explorer and miner, focussed in the Central West of New South Wales, Australia

Gold production from Peak Hill mine 1996 - 2005
New gold (+1Moz) development planned at Tomingley

Major gold discovery at McPhillamys (+2.5Moz)

Board

John Dunlop	***Chairman***
Ian Chalmers	***Managing Director***
Tony Lethlean	***Non-executive director***
Ian Gandel	***Non-executive director***
Ian Cornelius	***Non-executive director***

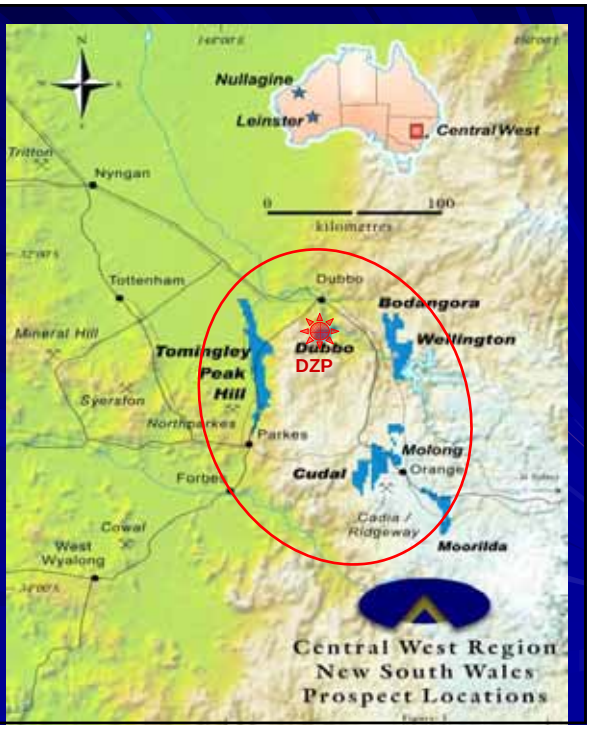
The Board at Dubbo Project Pilot Plant at ANSTO

Central West NSW

Alkane Projects

Significant Infrastructure
State grid power
National grid gas
Water

Population base of 150,000 within the 120km diameter area



DUBBO ZIRCONIA PROJECT

Location and Infrastructure

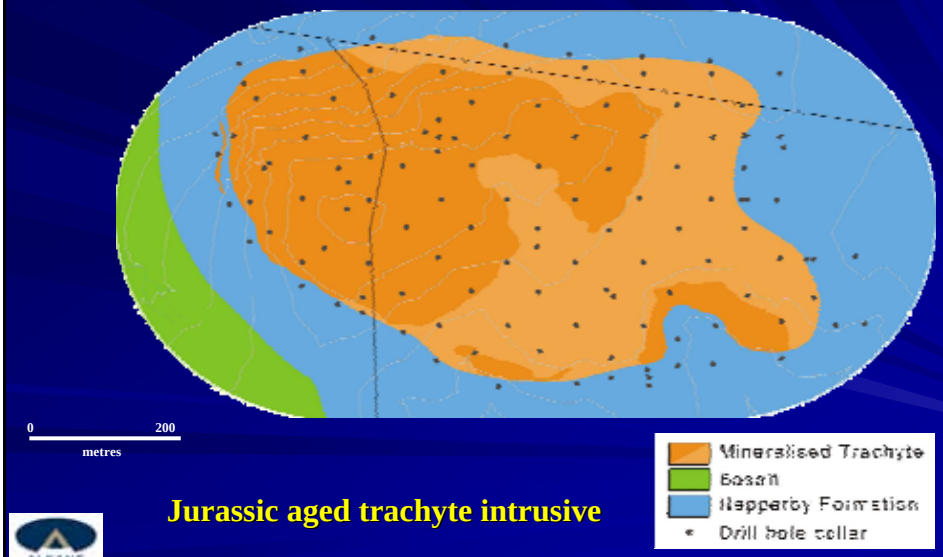
Dubbo region pop 80,000

Major mixed agriculture

Transport hub

Substantial light industry

DUBBO ZIRCONIA PROJECT
Geology



Jurassic aged trachyte intrusive

DUBBO ZIRCONIA PROJECT
RESOURCES

Measured Resource **0 - 55 metres**	**:**	**35.7 million tonnes grading** **1.96% ZrO_2, 0.04%HfO_2, 0.46% Nb_2O_5, 0.03% Ta_2O_5, 0.14% Y2O3, 0.75% REO and 0.014% U3O8**
Inferred Resource **55 - 100 metres**	**:**	**37.5 million tonnes at similar grades**
TOTAL	**:**	**73.2 million tonnes**

Major world resource of zirconium, hafnium, niobium, tantalum, yttrium and rare earth elements

Although the ore is not classified as a radioactive deposit, it contains 23 million lbs (10,200t) of uranium

Production of uranium is currently prohibited in NSW

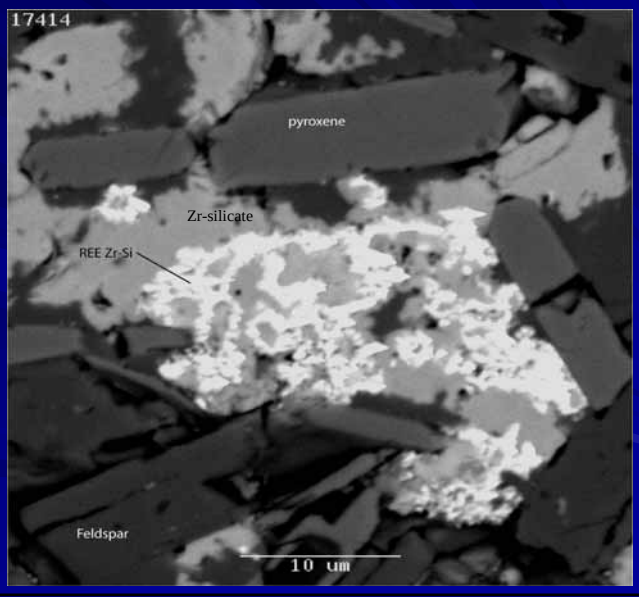
DUBBO ZIRCONIA PROJECT
ORE MINERALOGY

Zirconium	eudialyte armstrongite	$ZrSiO_4$ ± Ca, Y, REE, H_2O +?U	< 2μm - 50μm
Yttrium	yttrium silicates and with Zr	$YSiO_4$ ± REE, Be, Fe, As, Nb	< 50μm
Niobium/ Tantalum	natroniobite	$NaNbO_3$ + Ta ? Th also $NbFeSiO_4$	< 30μm
Rare Earths	calcian basnaesite rare ancylite	$Ca(REE)(CO_3)F$ $Sr(REE)(CO_3)H_2O$	< 100μm

DUBBO ZIRCONIA PROJECT
ORE MINERALOGY

BSE image x 2300: REE-rich Zr-Si hosted within Zr-silicate

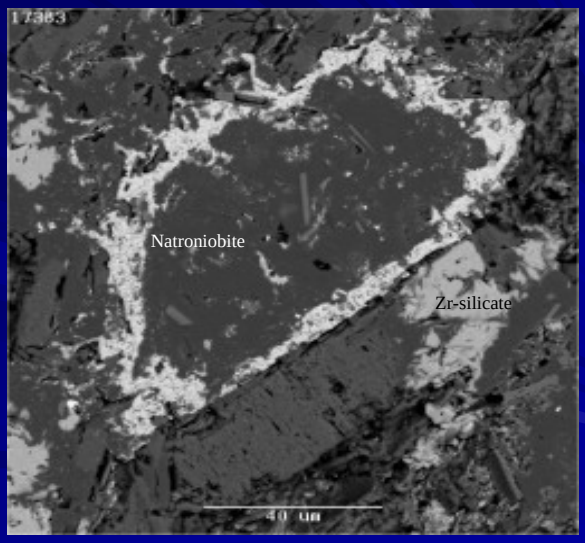
ANSTO March 2007



DUBBO ZIRCONIA PROJECT
ORE MINERALOGY

BSE image x 600:
Nb mineral in Fe-Mn carbonate

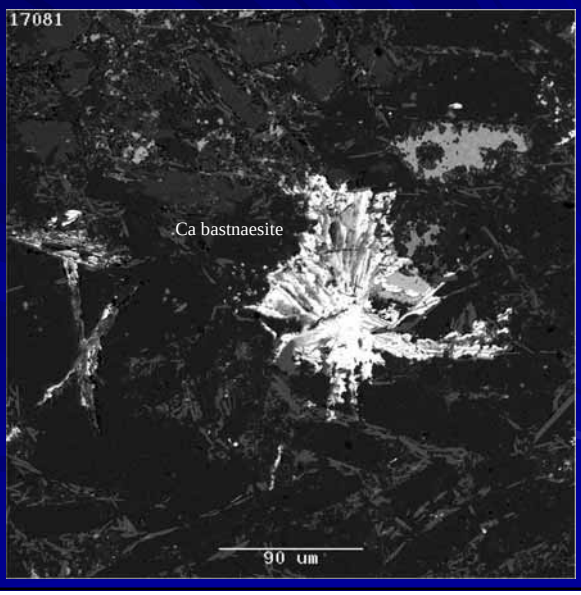
ANSTO March 2007



DUBBO ZIRCONIA PROJECT
ORE MINERALOGY

BSE image x 250:
Altered Ca-bastnaesite

ANSTO March 2007



DUBBO ZIRCONIA PROJECT
Early Metallurgical Test Work

- **Preliminary test work on HCl, HF, NaOH leaching, and H_2SO_4 roasting and leaching**
- **Preliminary flotation to assess potential for pre-concentration**
- **Scan of various physical separation processes**
- **Definitive flotation test work for pre-concentration**

Only H_2SO_4 leach gave potentially viable process
Full feasibility commenced 2002

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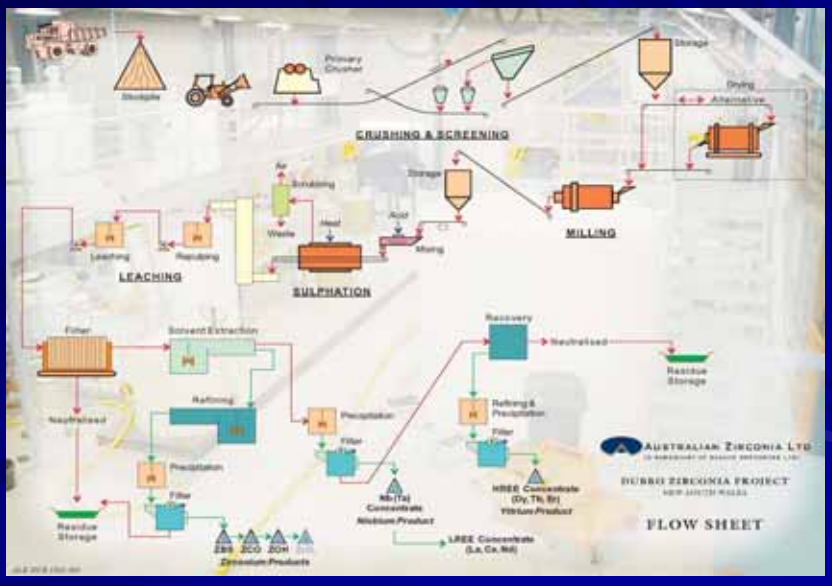
DUBBO ZIRCONIA PROJECT
PROCESS FLOW SHEET - 2008



DUBBO ZIRCONIA PROJECT

Current Program

AusIndustry Commercial Ready Grant of A$3.29M in April 2006 on dollar for dollar basis to complete process optimisations, and construct and operate the Demonstration Pilot Plant (DPP).

Laboratory program to optimise flow sheet commenced at ANSTO Lucas Heights (Australian Nuclear Science and Technology Organisation) July 2006, with Demonstration Pilot Plant commissioned March 2008

Substantial product samples from DPP to be distributed late 2008- early 2009. Samples in 50 to 100kg lots

Market update completed late 2007 – strong growth predicted in most products

Revise and update the 2002 feasibility study by mid to late 2009. DFS managed by Perth based consultants TZ Minerals International Pty Ltd.

DUBBO ZIRCONIA PROJECT

Feasibility Study Team

DFS study manager:	**Steve Gilman TZ Minerals International Pty Ltd**
	Gavin Diener; Machiel Keegel; Dave McCoy - Engineering TZMI
Marketing:	**Martin Lynch TZMI**
	Philip Murphy TZMI
Special Marketing Consultants:	**Dudley Kingsnorth IMCOA - REE**
	Alister MacDonald TCMS - Zirconium + REE
ANSTO Minerals:	**Bob Ring, Doug Collier, Karin Soldenoff, Des Levins**
DPP Operations:	**Adrian Manis, Peter Fleming, Prakash Rajalingam + the crew**
DPP Ext Engineering:	**Worley Parsons**

Australian Nuclear Science and Technology Organisation

ANSTO is located at Lucas Heights about 30km south of the Sydney CBD and is one of Australia's premier research facilities.

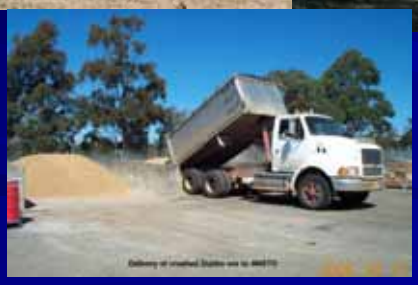
For 50 years ANSTO has undertaken research in nuclear science and technology with applications which assist in solving problems in such diverse areas as environment, climate change, human health, agriculture, manufacturing, mining, construction, minerals, structural integrity, and nuclear nuclear proliferation.

ANSTO has several internal divisions and an associated Technology Park. These include Minerals, Environment, Radiopharmaceutical, Materials Engineering (ceramics, synroc), Bragg Institute (neutron, x-rays).

Silex operate in the Technology Park and have a world first laser uranium enrichment process.

Australian Nuclear Science and Technology Organisation

DUBBO ZIRCONIA PROJECT



October 2006
Bulk sample for
Demonstration pilot plant

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Demonstration Pilot Plant - Shed

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Demonstration Pilot Plant – Shed Internal

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Demonstration Pilot Plant - Kiln

DUBBO ZIRCONIA PROJECT

Demonstration Pilot Plant – Primary Filter

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Demonstration Pilot Plant – Solvent Extraction Circuit

DUBBO ZIRCONIA PROJECT

Demonstration Pilot Plant – Zirconium Recovery

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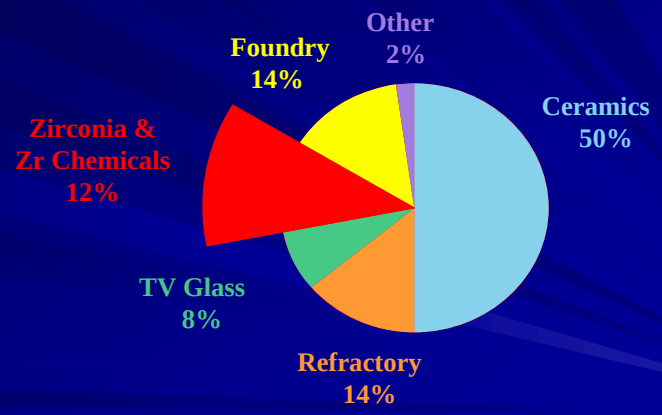
Zircon industry

CURRENT ZIRCON USES



Global output 1,400,000 tpa

Source: Iluka / TZMI

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Zircon consumption for zirconia – zirconium chemical production

Demand for zirconia and Zr chemicals to grow zircon consumption from 160kpta to +300ktpa by 2015

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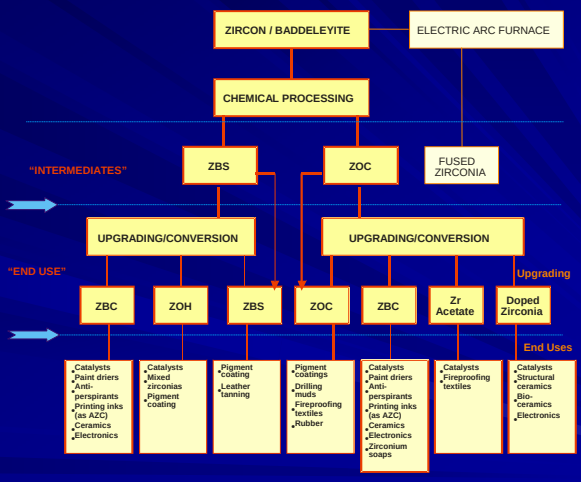
Zirconium Chemicals Industry Structure and Market Entry Points



2007 ~ 160,000t zircon converts to 96,000t of zirconia (equivalent) products and 13,000 Zr metal

Products range from US$5 to +US$20/kg (ZrO_2 units) depending upon quality and use

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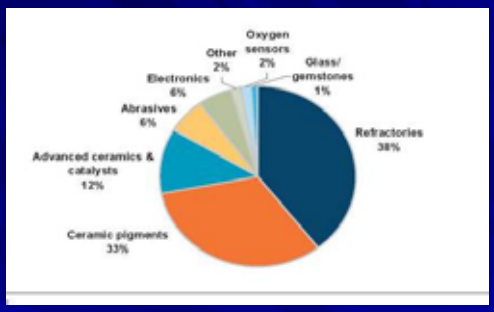
Current Zirconia Zirconium chemical Uses



2007 Consumption	**96,000 tonnes (ZrO_2 units)**
2010 Estimated	**126,000 tonnes with industry growth rate of 4.5%pa**
High growth areas:	**Advanced ceramics and catalysts 13.0%pa**
	Ceramic pigments 8.0%pa

Source: TZ Minerals International

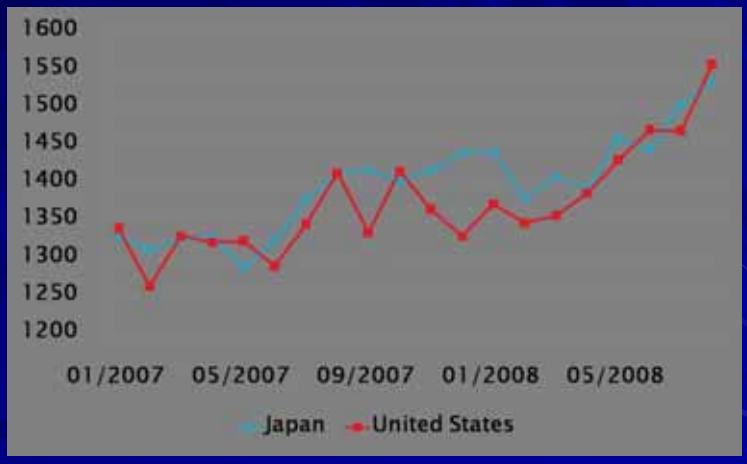
DUBBO ZIRCONIA PROJECT

Zirconium oxychloride (ZOC) price – sets base price for Zr chemicals

Chinese ZOC price trends US$/tonne

Mid 2008 $1550/t = $5000/t ZrO_2 units

2009 Estimated to be US$6,000/t



Source: Technical Ceramic Marketing Services

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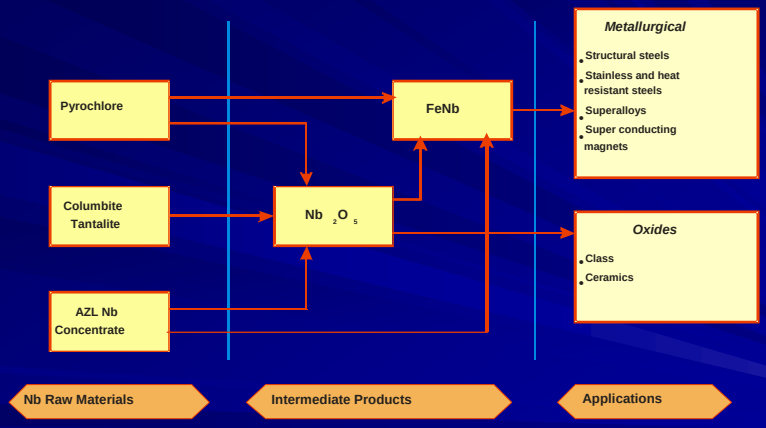
Schematic of Niobium Industry Structure



Source: TZ Minerals International

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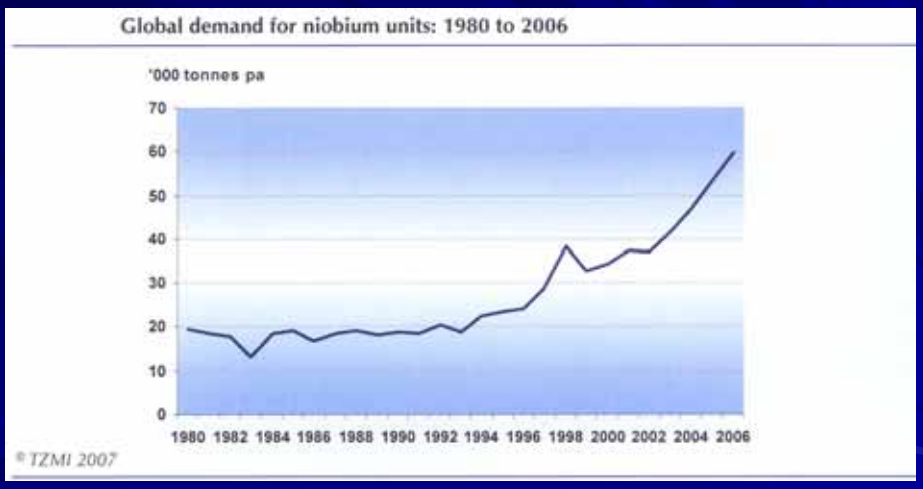
Niobium Demand



Niobium 2007 (Ferro-niobium units) consumption ~ 63,000t – 90% Brazil
Estimate for 2012 ~ 100,000t

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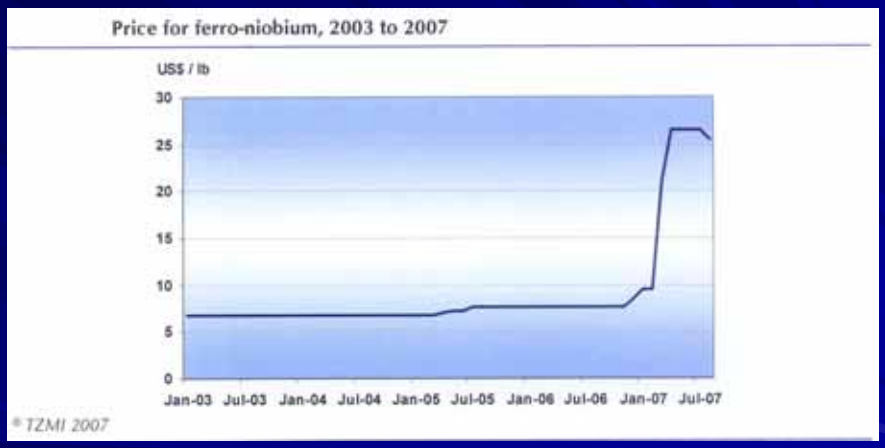
Niobium Price – As ferro-niobium units



Ferro-niobium price spiralled to US$60/kg in March 07 and is currently around US$40 - 50/kg

Long term expected to be in US$25 - $35/kg

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Yttrium - Rare Earth Distribution in Ore

	ppm	Wt %
La_2O_3	1799	19.5%
CeO_3	3393	36.7%
Pr_6O_{11}	373	4.0%
Nd_2O_3	1302	14.1%
Sm_2O_3	203	2.5%
Eu_2O_3	6	0.1%
Gd_2O_3	198	2.1%
Tb_4O_7	31	0.3%
Dy_2O_3	189	2.0%
Ho_2O_3	39	0.4%
Er_2O_3	107	1.2%
Tm_2O_3	15	0.2%
Yb_2O_3	92	1.0%
Lu_2O_3	13	0.1%
Y_2O_3	1460	15.8%
Total	9249	100%

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Yttrium - Rare Earth Distribution in Ore Minerals

Rare Earth Content of Major Source Minerals (% total REO)

	Monazite			Apatite	Bastnaesite Eudialyte
	Mt Weld, Australia	India	Guandong, China	Nolans Australia	Dubbo Australia
La_2O_3	25.1	23.0	23.0	18.5	19.5
CeO_2	48.5	46.0	42.7	47.8	36.7
Pr_6O_{11}	5.3	5.5	4.1	6.1	4.0
Nd_2O_3	16.7	20.0	17.0	21.4	14.1
Sm_2O_3	2.2	4.0	3.0	2.4	2.5
Eu_2O_3	0.6	-	0.1	0.5	0.1
Gd_2O_3	0.9	-	2.0	1.2	2.1
Tb_4O_7	0.1	-	0.7	0.1	0.3
Dy_2O_3	0.2	-	0.8	0.3	2.0
Y_2O_3	0.3	-	2.4	1.5	15.8
Total	99.9	98.5	95.8	99.8	97.1

Source: IMCOA

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Yttrium - Rare Earth Distribution in Ore Minerals

Rare Earth Content of Major Source Minerals (% total REO)

	Bastnaesite		Xenotime		Ion adsorption clays		Bastnaesite Eudialyte
	Baiyun Obo, Mongolia, China	Mountain Pass, California USA	Lahat Perak, Malaysia	Guangdong ,China	Xunwu, Jiangxi, China	Longnan, Jiangxi, China	Dubbo Australia
La_2O_3	23.0	33.2	1.2	1.2	42.0	1.8	19.5
CeO_2	50.0	49.1	3.1	3.0	2.3	0.4	36.7
Pr_6O_{11}	6.2	4.3	0.5	0.6	8.8	0.7	4.0
Nd_2O_3	18.5	12.0	1.6	3.5	30.8	3.0	14.1
Sm_2O_3	0.8	0.8	1.1	2.2	3.8	2.8	2.5
Eu_2O_3	0.2	0.1	trace	0.2	0.5	0.1	0.1
Gd_2O_3	0.7	0.2	3.5	5.0	2.9	6.9	2.1
Tb_4O_7	0.1	trace	0.9	1.2	trace	1.3	0.3
Dy_2O_3	0.1	trace	8.3	9.1	trace	6.7	2.0
Y_2O_3	trace	0.1	61.0	59.3	8.0	65.0	15.8
Total	99.6	99.8	81.2	85.3	99.1	88.7	97.1

Source: IMCOA

DUBBO ZIRCONIA PROJECT

Probable Outputs

Base case models of 200,000 to 500,000 tonnes per year of ore processed

Product	200ktpa	500ktpa
ZBS, ZOH, ZC0	9,000tpa (3ktpa ZrO_2)	22,500tpa (7.5ktpa ZrO_2)
Nb-Ta concentrate	1,000tpa (0.7ktpa Nb_2O_5)	2,500tpa (1.75ktpa Nb_2O_5)
LREE concentrate	990tpa (REOs)	2,475tpa (REOs)
YREE concentrate	301tpa (REOs)	753tpa (REOs)

- ZBS = zirconium basic sulphate; ZOH = zirconium hudroxide; ZCO = zirconium carbonate
- Nb-Ta concentrate = ~80% Nb_2O_5; 1.5% Ta_2O_5 calcined basis

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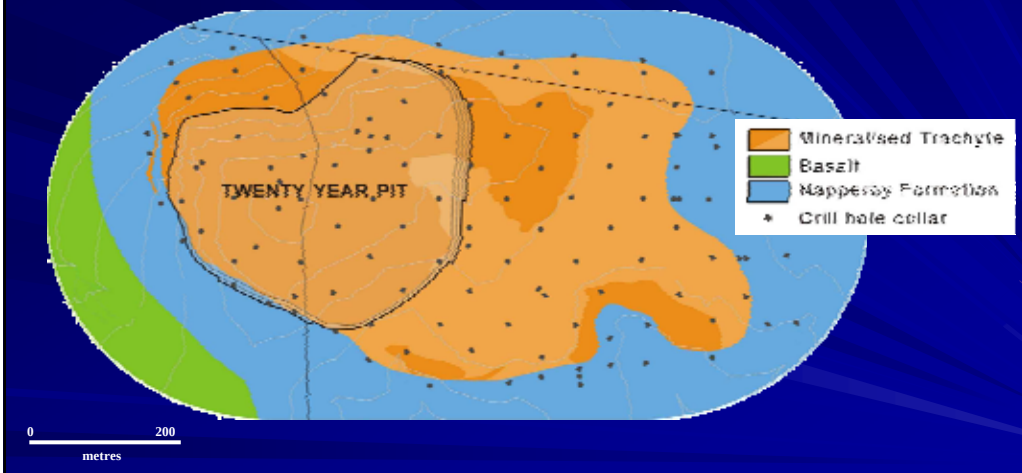
Yttrium - Rare Earth Individual Production (assumed 70% recovery)

	200kpta	500kpta
La_2O_3	252	630
CeO_3	475	1188
Pr_6O_{11}	52	131
Nd_2O_3	182	456
Sm_2O_3	28	71
Total LREE	990tpa	2475tpa
Eu_2O_3	1	2
Gd_2O_3	28	69
Tb_4O_7	4	11
Dy_2O_3	26	66
Ho_2O_3	5	14
Er_2O_3	15	37
Tm_2O_3	2	5
Yb_2O_3	13	32
Lu_2O_3	2	5
Y_2O_3	204	511
Total YHREE	301tpa	753tpa
Total YREE	1291tpa	3228tpa

DUBBO ZIRCONIA PROJECT

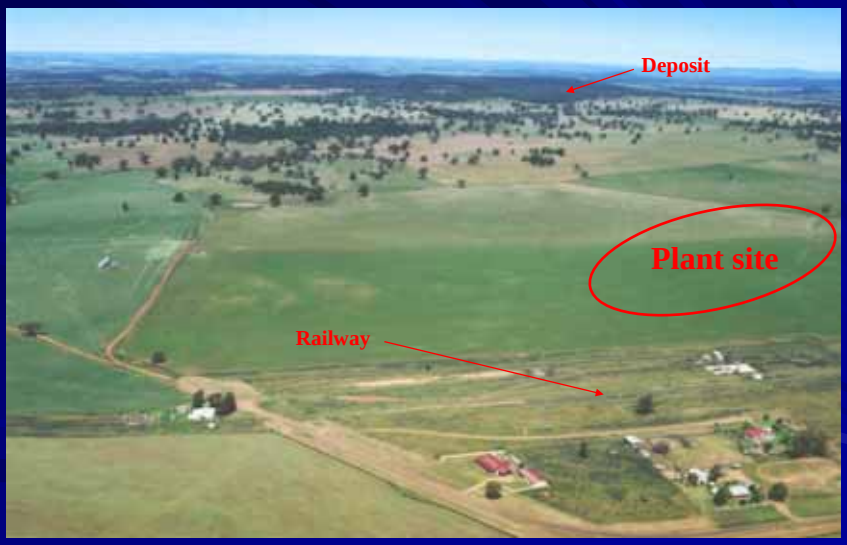
Geology and 20 Year Pit



Open pit life at 200kpta ore processed = +400 years
Open pit life at 500kpta ore processed = +160 years

Dubbo Zirconia Project

Toongi rail siding and process plant site



DUBBO ZIRCONIA PROJECT

Why is this project different

Majority of "downstream" zirconium products are derived from zircon, whose output is governed by ilmenite/rutile from mineral sands mining operations.

Niobium (and tantalum) production dominated by one major company in one country. Nb by CBMM in Brazil (and Ta by Talison in Australia).

Production costs are spread across the four metal outputs – zirconium (hafnium), niobium (tantalum), light rare earths and yttrium-heavy rare earths.

Project located in region with very favourable infrastructure and legislative framework, both at a State and Federal level.

The DZP provides an alternative source for a number of strategically important metals, and is capable of producing for hundreds of years from one ore body.

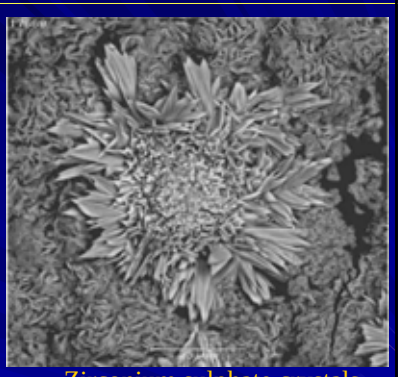
ALKANE RESOURCES LTD

ABN 35 000 689 216

Dubbo Zirconia Project Moving Forward

A world class project

www.alkane.com.au



Zirconium sulphate crystals

Disclaimer:

This presentation contains certain forward looking statements and forecasts, including possible or assumed reserves and resources, production levels and rates, costs, prices, future performance or potential growth of Alkane Resources Ltd, industry growth or other trend projections. Such statements are not a guarantee of future performance and involve unknown risks and uncertainties, as well as other factors which are beyond the control of Alkane Resources Ltd.
Actual results and developments may differ materially from those expressed of implied by these forward looking statements depending on a variety of factors.

Nothing in this presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities.

Competent Person:

Mr D I Chalmers, FAusIMM, FAIG, (director of the Company) has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Ian Chalmers consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.