



ASX : ABZ

## ASX ANNOUNCEMENT

2 November 2012

### CEO Presentation at Mining 2012 Resources Convention

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented today at Brisbane.

Mr Ian Levy, CEO is making the presentation.

### For further information please contact

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#### About Australian Bauxite Limited: ASX Code ABZ

Australian Bauxite Limited (ABx) holds the core of the newly discovered Eastern Australian Bauxite Province. Its 38 bauxite tenements in Queensland, NSW and Tasmania covering 7,536 km<sup>2</sup> were rigorously selected on 3 principles:

1. good quality bauxite;
2. proximity to infrastructure connected to export ports; and,
3. free of socio-environmental or native title land constraints.

All tenements are 100% owned and free of obligations for processing and third-party royalties. ABx has already discovered many bauxite deposits and new discoveries are still being made as knowledge and expertise grows.

The company's bauxite is high quality and can be processed into alumina at low temperature – the type that is in short-supply globally. **Global resources declared to date total 106.4 million tonnes.** At the company's first drilling prospect in Inverell, northern NSW, a resource of 38.0 million tonnes<sup>1</sup> has been reported from drilling 15% to 20% of the area prospective for bauxite and a resource of 37.9 million tonnes<sup>2</sup> of bauxite has been reported at the Taralga project in southern NSW. A 6.0 million tonnes maiden resource was declared at Guyra<sup>3</sup>. A 24.5 million tonnes<sup>4</sup> resource has been declared at the Binjour Plateau in central QLD, confirming that ABx has discovered a significant bauxite deposit including some bauxite of outstandingly high quality. Australian Bauxite Limited aspires to identify large bauxite resources in the Eastern Australian Bauxite Province, which is emerging as one of the world's best bauxite provinces.

ABx has the potential to create significant bauxite developments in three states - Queensland, New South Wales and Tasmania. Its bauxite deposits are favourably located for direct shipping of bauxite to both local and export customers.

**ABx endorses best practices on agricultural land, strives to leave land and environment better than we find it. We only operate where welcomed.**

#### JORC Compliant Resource Statements

The following are Joint Ore Reserve Code ("JORC") - compliant Public Reports released to the ASX declaring the JORC resources referred to. These can be viewed on the ASX website and the Company will provide these reports, free of charge on request.

- <sup>1</sup> 08/05/2012 ASX Inverell JORC Resource Update, 38.0 Million Tonnes
- <sup>2</sup> 30/05/2012 ASX Taralga Bauxite Resource Increased 50% to 37.9 Million Tonnes
- <sup>3</sup> 15/08/2011 ASX Maiden Guyra Resource, 6.0 Million Tonnes
- <sup>4</sup> 29/07/2012 ASX Binjour Maiden Resource, 24.5 Million Tonnes

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# AUSTRALIAN BAUXITE LIMITED

2 November 2012

## Developing East Coast Bauxite Projects

**Bauxite is the ore for aluminium and alumina**

**ASX Code "ABZ"**

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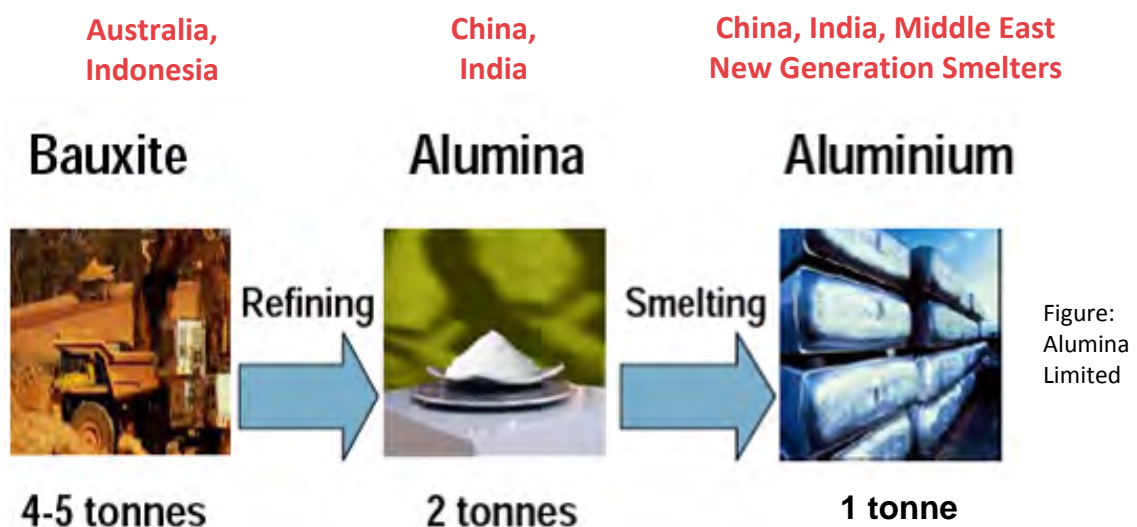
Ian Levy, CEO

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## Market Fundamentals: New Industry Structure



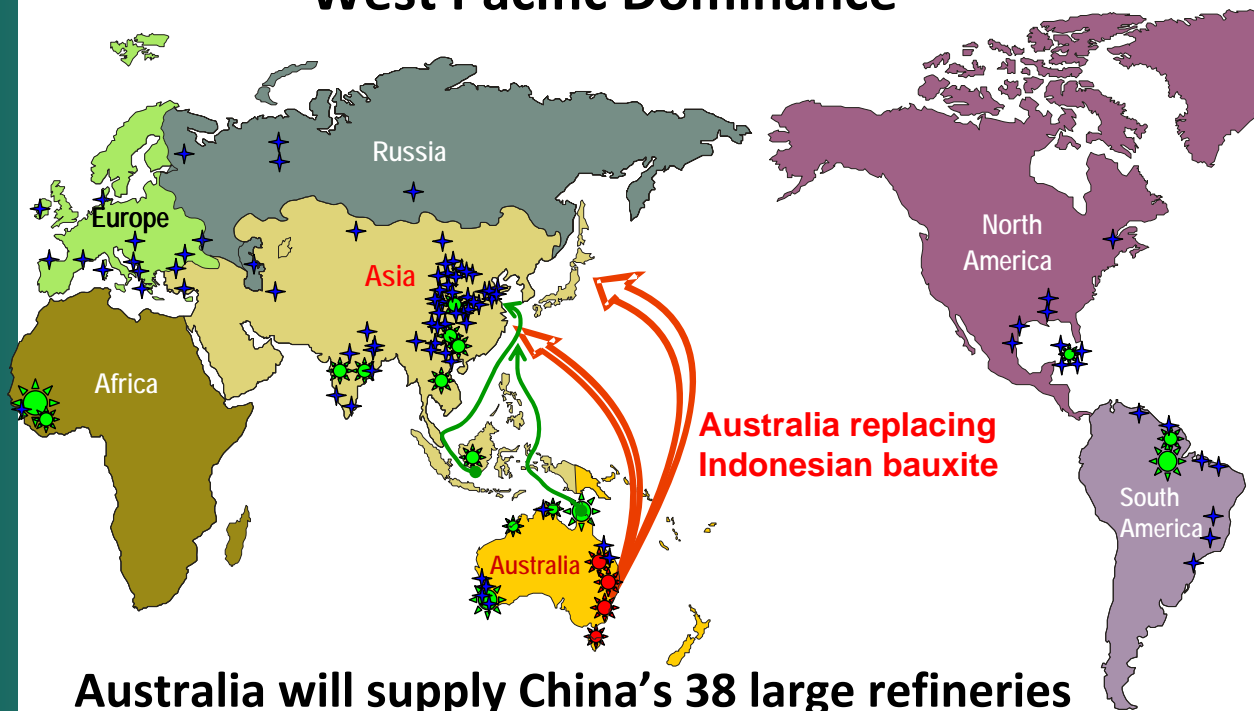
- Aluminium is fastest growing metal consumption
  - Indonesian bans/taxes are reducing bauxite supply
- => Increased Chinese demand for Australian bauxite supply**

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## West Pacific Dominance



**Australia will supply China's 38 large refineries**  
**Indonesia supplying less, especially from 2014**

- ★ ABx bauxite deposits
- ★ Other bauxite deposits
- ★ Alumina Refineries



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## Alumina Refineries are huge investments

**China has largest, newest refineries – won't slow down.**

**China becoming increasingly reliant upon imported bauxite.**



**Bauxite**

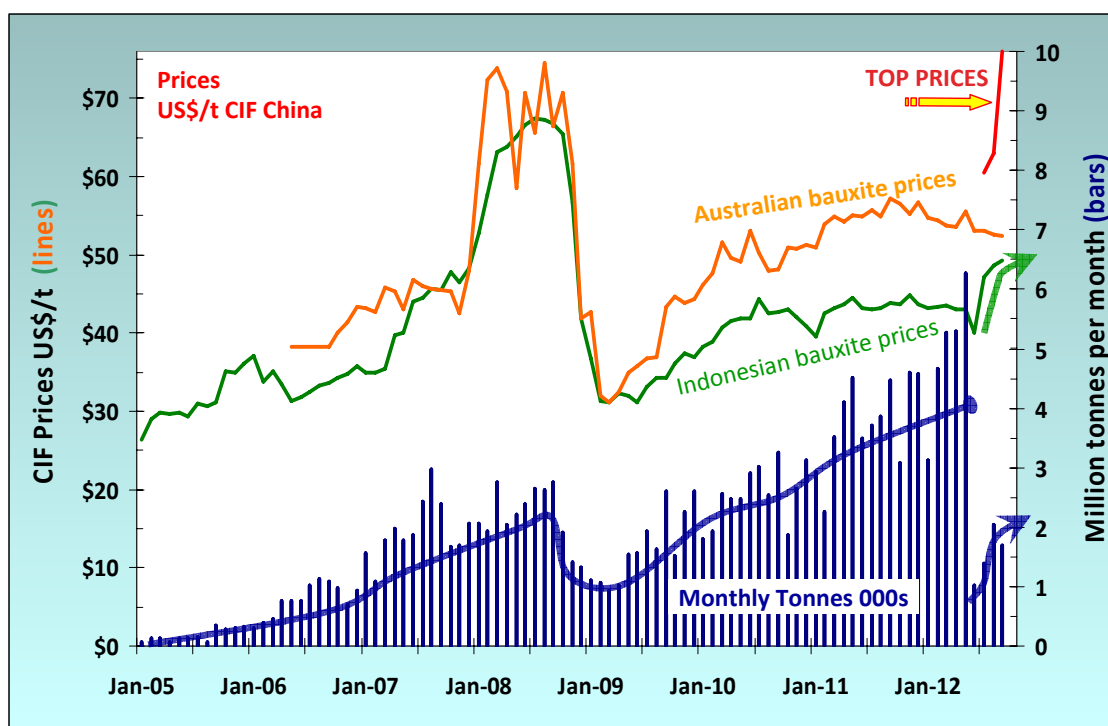


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Photo from Hydro presentation

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# Price Hikes After Stage 1 Indonesian Bans



Indonesian supply will reduce further after 2014

AUSTRALIA'S OPPORTUNITY IS NOW

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Sources: C&M, MBC & China Customs



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## Forward Looking Statement

Whilst based on information from sources considered reliable, Australian Bauxite Limited (ABx), its directors, employees and consultants do not represent, warrant or guarantee, expressly or impliedly, that the information in this document and presentation is complete or accurate. To the maximum extent permitted by law, ABx disclaims any responsibility to inform any recipient of this document and presentation of any matter that subsequently comes to its notice, which may affect any of the information contained in this document and presentation.

## JORC and Competent Person Statement

Information herein relating to Exploration Results, Resources and Resource Targets is based on information compiled by Ian Levy BSc MSc who is a Fellow of The Australasian Institute of Mining and Metallurgy and a Fellow of the Australian Institute of Geoscientists. Mr Levy is employed by ABx as Chief Executive Officer. Mr Levy has more than five years experience relevant to the style of mineralisation and type of deposit being reported and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). This report is issued with the prior written consent of the Competent Person as to the form and context in which it appears.

## Exploration Target Statement

ABx has an exploration target of 200 to 300 million tonnes of bauxite, based on Mineral Resources announced in mid 2010 of 35 million tonnes of bauxite at Inverell<sup>45</sup> from 15% to 20% of the known bauxite deposits on Exploration Lease EL 6997 in northern NSW and 25 million tonnes of bauxite at Taralga<sup>1,2,3</sup> from approximately 50% of the bauxite targets on Exploration Lease EL357 in southern NSW. In accordance with the JORC Code, readers are advised that "the potential quality and grade is conceptual in nature, that there has been insufficient exploration to define full Mineral Resources and that it is uncertain if further exploration will result in the determination of a Mineral Resource". As first pass drilling has proceeded across most of its tenements, ABx has seen no reason to vary its exploration target.

## JORC Code Compliant Public Reports

The Company advises that this presentation contains summaries of Exploration Results and Mineral Resources as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code").

The following table references the location of the Code -compliant Public Reports or Public Reporting on which the summaries are based. These references can be viewed on the ASX website and the Company will provide these reports, free of charge, to any person who requests it.

Reference	Issue Date	Title of Notice as lodged with ASX
1	28/07/2012	Binjour JORC Resource Upgrade to 24.5 Million Tonnes
2	15/08/2011	Guyra Maiden JORC Resource 6.0 Million Tonnes
3	30/05/2012	Taralga Bauxite Resource Increased 50% to 37.8 Million Tonnes
4	08/05/2012	Inverell JORC Resource Update 38.0 Million Tonnes

## Direct Shipping Ore

In this presentation all references to direct shipping ore (DSO) refers to the company's exploration objective of defining DSO grade mineralisation. The potential quantity and grade of exploration targets is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

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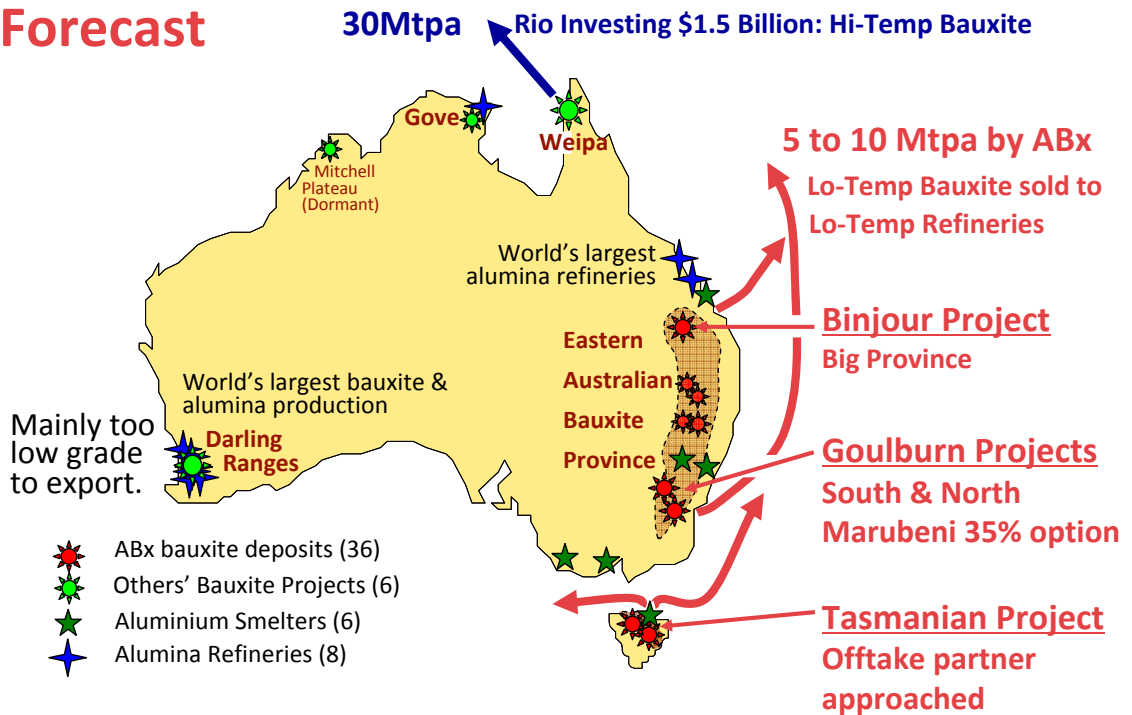


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# Australia Increasing Bauxite Exports

## Forecast



Rio will export high temperature bauxite to China.

ABx will supply sweetener, low temperature bauxite



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## BAUXITES OF SOUTHEAST AUSTRALIA

- At surface, thin soil cover
  - Free-dig extraction
  - Not prime land
  - Quick rehabilitation
  - Thickest bauxite in Australia
  - Low-temperature, gibbsite bauxite
  - Low in silica, boehmite-free
- + 42% Al<sub>2</sub>O<sub>3</sub>
- 2% to 3.5% reactive SiO<sub>2</sub>
- 23% Loss-on-Ignition

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Renrose NSW – old quarry, 14 December 2011

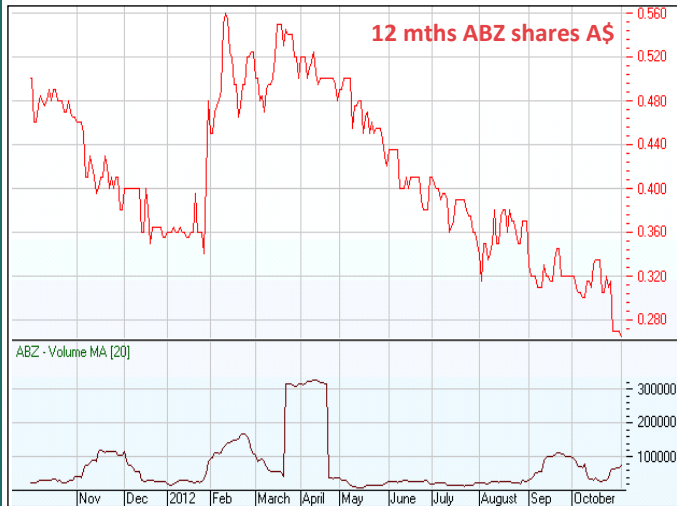
## Corporate Details

**ASX Code : ABZ** Listed 24 Dec'09 at \$0.20

Shares	107.2 million
Options	3.7 million
Market Cap (\$0.30)	\$32.2 million
Cash (31 Oct'12)	\$2.65 million = 1yr budget
Share range	\$0.26 to \$0.84
Avg Daily Volume	75,000

Major Shareholders	Shares	%
Hudson Resources	47.7 million	44.5%
State One Capital	7.2 million	6.7%
Soul Pattinson	3.7 million	3.5%
Top 20 Holders	74.9 million	69.9%

Shareholders 970



### Board of Directors

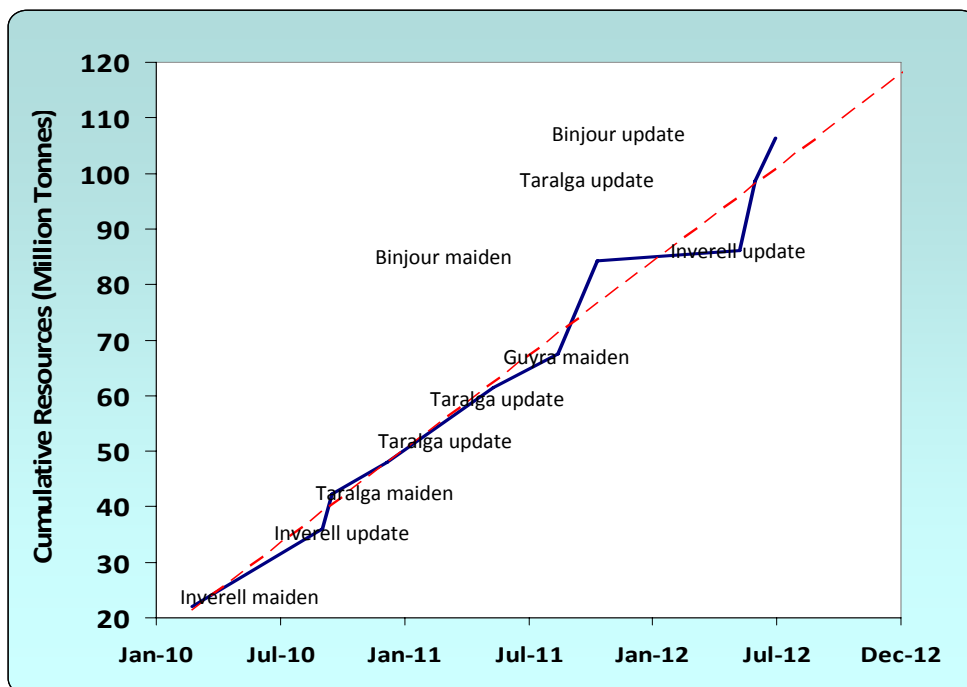
John Dawkins	Non-executive Chairman
Peter Meers	Exec & Vice Chairman
Ian Levy	CEO & Managing Director
Jacob Rebek **	Executive Director
Wei Huang	Non-executive Director
Henry Kinstlinger	Company Secretary

\*\* Chief Geologist Jacob Rebek is ex CRA (Rio) Chief Geologist, Led discovery team Century Zinc '93 & Eastern Australian Bauxite '06-09



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## ABZ's JORC Resources Growing Strongly <sup>1</sup>



MORE COMING: Target is 200 to 300 Million Tonnes <sup>1</sup>

1. See JORC Statement Slides



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## Milestones & Outlook

- Reach 100 million tonnes JORC Resources Done 106Mt<sup>1</sup>

### GOULBURN BAUXITE PROJECTS (NORTH & SOUTH)

- Pre Feasibility Study Done
- Mining Lease Application Commenced
- Bankable Feasibility Study? 2013

### BINJOUR – LONGTERM MAJOR PROJECT

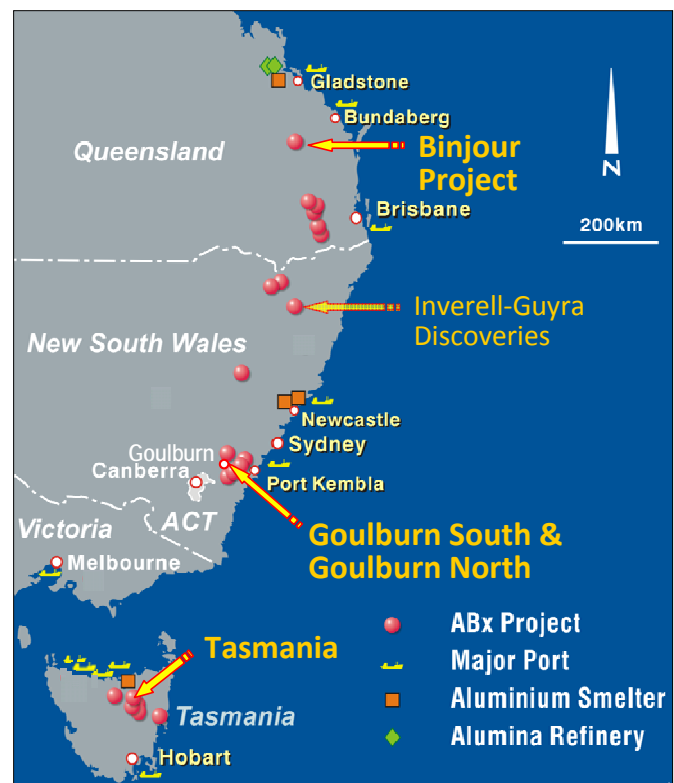
- Binjour Resource Upgrade to 24.5Mt Done

### TASMANIAN DISCOVERIES – LOW COST SETTING

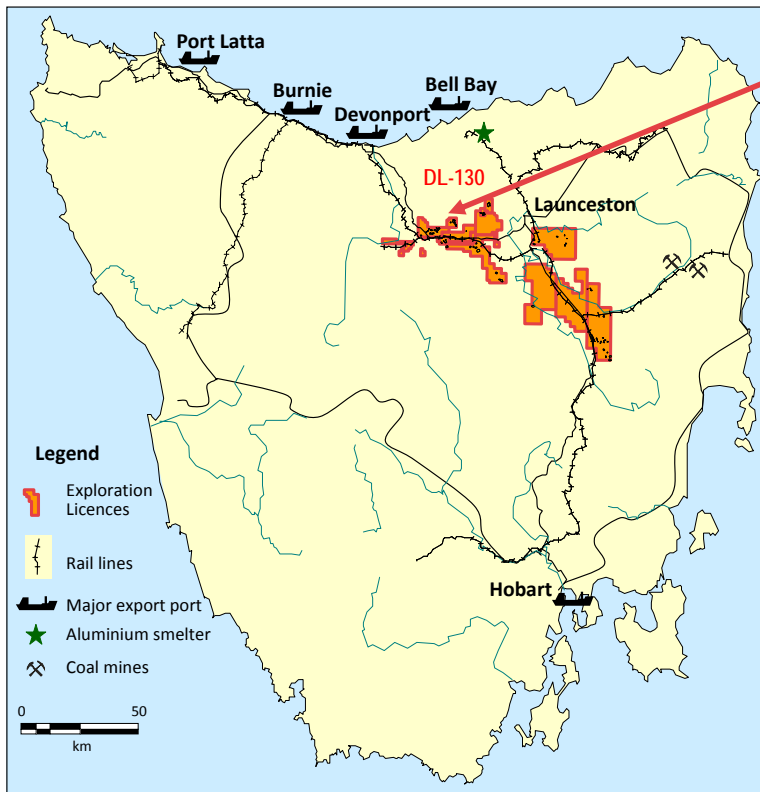
- Resource drilling & estimation Aug-Dec 2012
- Scoping Study & ML Application Dec 2012 onwards

## Project Economics

<u>Project</u>	<u>Starts</u>
<b>■ Tasmania</b> Capex Opex	<b>2014</b> A\$10 million A\$27 / t FOB
<b>■ Goulburn Sth</b> Capex Opex	<b>2015</b> A\$20 million A\$30 / t FOB
<b>■ Goulburn Nth</b> Capex Opex	<b>2017</b> A\$90 million A\$37 / t FOB
<b>■ Binjour QLD</b> Shipping 5 to 10 Mtpa	<b>2018</b>



# Tasmanian Discoveries – the New Frontier



## Carefully Selected

- Cleared land – mainly plantations
- Landholder & local community support

## Good logistics

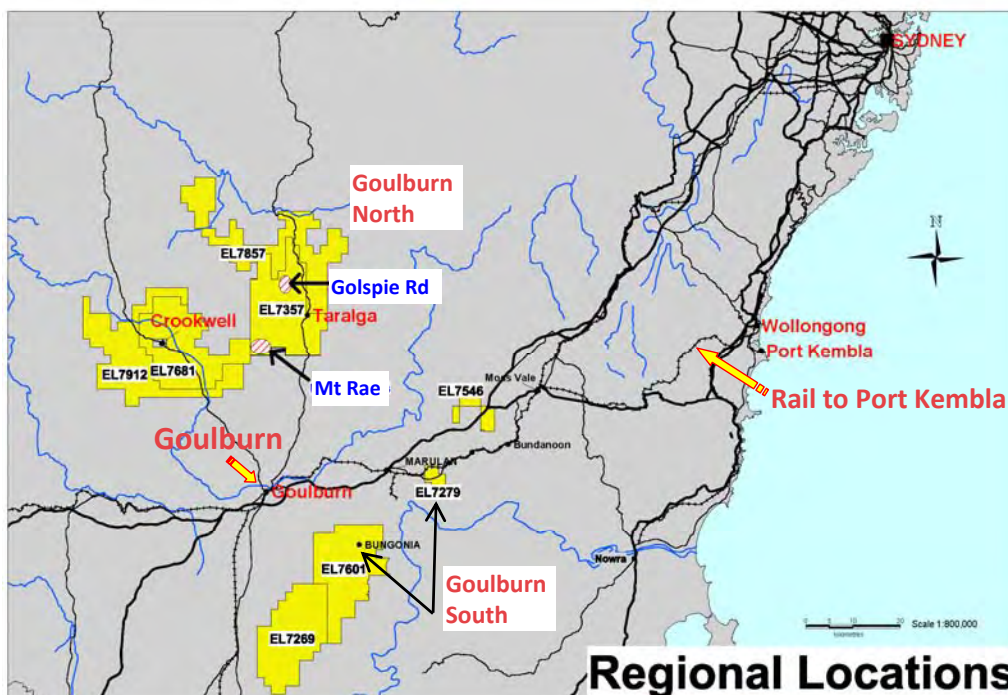
- Heavy road & rail transport nearby
- Deepwater export port at Bell Bay

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# Goulburn Bauxite Project Logistics



**Goulburn South is near rail, low cost**

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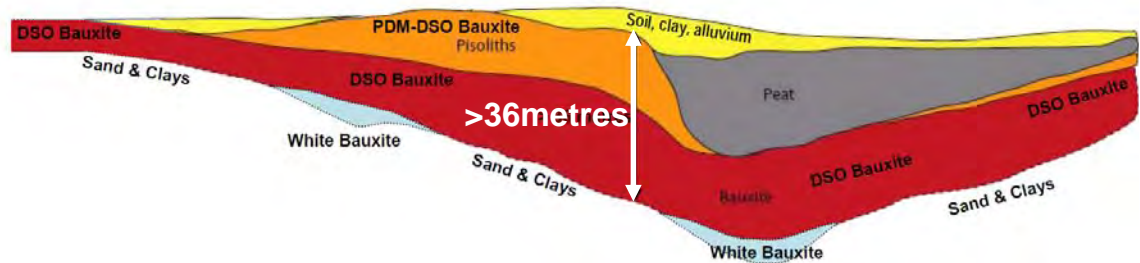


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# Australia's Thickest Bauxite Ever Found

## 38 metres thick & still in bauxite



ABx discovered exceptionally thick bauxite at Mt Rae near Taralga in southern NSW in February 2012. The bottom of the bauxite has not yet been reached.

This thick zone has been carefully interpreted by ABx's senior geologists. Potential extensions of this material have been identified and will be drilled, after intensive mapping.

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## Heavy railway to deepwater Port Kembla

## Port Kembla major port capacity



Several Berths are competing for bauxite business

MoU signed with Port Kembla Port Corporation



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## Excellent bauxite results at Binjour



**24.5 Million Tonnes<sup>1</sup>**  
**JORC Resource**

High Grade 44%  $\text{Al}_2\text{O}_3$   
Gibbsite 3%  $\text{Rx SiO}_2$

Easy production  
Government-industry study  
of rail & port upgrade

1. See JORC Statement Slides

DSO Bauxite Resources			Sieved at 0.26mm											
Resource category	Tonnes millions	Bauxite Thick-ness	Al <sub>2</sub> O <sub>3</sub> Avl % 143°	Rx SiO <sub>2</sub> %	Avl/Rx Ratio	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	A/S Ratio	Fe <sub>2</sub> O <sub>3</sub> %	TiO <sub>2</sub> %	LOI %	Yield %	Over-burden m	Internal Waste m
Inferred	9.0	3.9 m	38.0	3.8	10.0	43.7	4.5	9.7	22.4	3.6	24.2	59%	8.2 m	0.3 m
Indicated	15.5	5.3 m	39.5	2.6	15.1	44.2	3.1	14.5	23.4	3.7	24.9	62%	9.4 m	0.3 m
TOTAL	24.5	4.8 m	39.0	3.0	12.8	44.1	3.6	12.3	23.1	3.7	24.6	61%	8.9 m	0.3 m

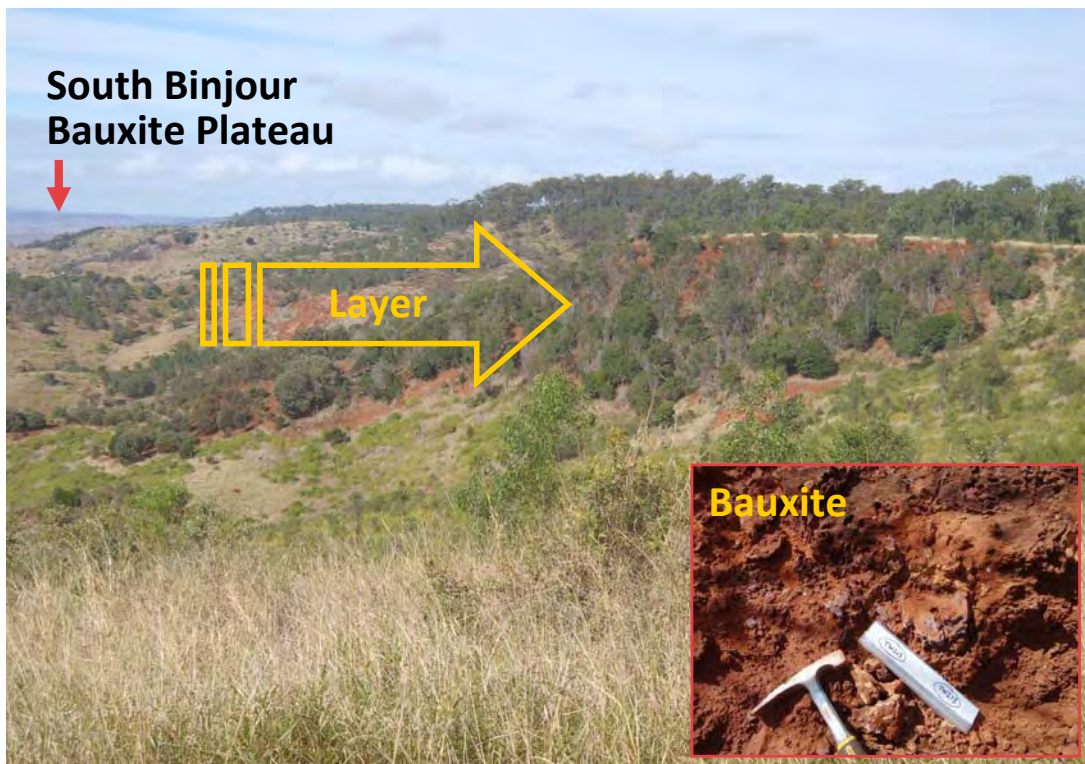
Leach conditions to measure available  $\text{Al}_2\text{O}_3$  avl & reactive  $\text{Rx SiO}_2$  were 1g leached in 10ml of 90gpl NaOH at 143 degrees C for 30 mins. "Avl/Rx" ratio is (Available  $\text{Al}_2\text{O}_3$ )/(Reactive  $\text{SiO}_2$ ). "A/S" ratio is (Total  $\text{Al}_2\text{O}_3$ )/(Total  $\text{SiO}_2$ ). Values above 10 are excellent



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## Large bauxite plateau at Binjour QLD



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## Landholder Relations – the key task



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## Why Mine Australian Bauxite? **We do it better**

### Alumina-Alcoa's Rehabilitation in WA



A mined area at Huntly prior to rehabilitation



The same mine pit after rehabilitation

**ABx endorses best practices on agricultural land, strives to leave land and environment better than we find it.**

**We only operate where welcomed.**

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