



## ASX ANNOUNCEMENT

11 May 2017

### AUSTRALIAN BAUXITE LIMITED

**About Australian Bauxite ASX Code ABX  
Latest News: [www.australianbauxite.com.au](http://www.australianbauxite.com.au)**

Australian Bauxite Limited (ABx) has started its first bauxite mine in Tasmania and holds the core of the Eastern Australian Bauxite Province. ABx's 37 bauxite tenements in Queensland, New South Wales & Tasmania exceed 5,000 km<sup>2</sup> and were rigorously selected for (1) good quality bauxite; (2) near infrastructure connected to export ports; & (3) free of socio-environmental constraints. All tenements are 100% owned, unencumbered & free of third-party royalties. ABx's discovery rate is increasing as knowledge, technology & expertise grows.

The Company's bauxite is high quality gibbsite trihydrate (THA) bauxite & can be processed into alumina at low temperature and is perfect for cement manufacture and for fertiliser production.

ABx has declared large Mineral Resources at Inverell & Guyra in northern NSW, Taralga in southern NSW, Binjour in central QLD & in Tasmania confirming that ABx has discovered significant bauxite deposits including some of outstandingly high quality.

In Tasmania, at Bald Hill, the Company's first bauxite mine commenced operations on schedule on 9 December 2014 – the first new Australian bauxite mine for more than 35 years.

ABx aspires to identify large bauxite resources in the Eastern Australian Bauxite Province, which is emerging as a globally significant bauxite province. ABx has created significant bauxite developments in 3 states - Queensland, New South Wales and Tasmania. Its bauxite deposits are favourably located for direct shipping of bauxite to customers.

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

**Directors / Officers**

Paul Lennon Chairman  
Ian Levy CEO & MD  
Ken Boundy Director  
Henry Kinstlinger Secretary

Leon Hawker Chief Operating Officer  
Paul Glover Logistics & Exploration Manager  
Jacob Rebek Chief Geologist

#### CEO Presentation at Resources Round Up

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented at the RIU Sydney Resources Round Up being held at the Sofitel Sydney Wentworth Hotel on 10 & 11 May 2017.

Mr Ian Levy, CEO is making the presentation at 4:10 pm on Wednesday 11 May 2017.

Shareholders and the public are welcome to attend our exhibition and presentation.

#### For further information please contact:

Ian Levy, CEO and MD  
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# AUSTRALIAN BAUXITE LIMITED



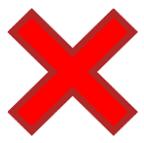
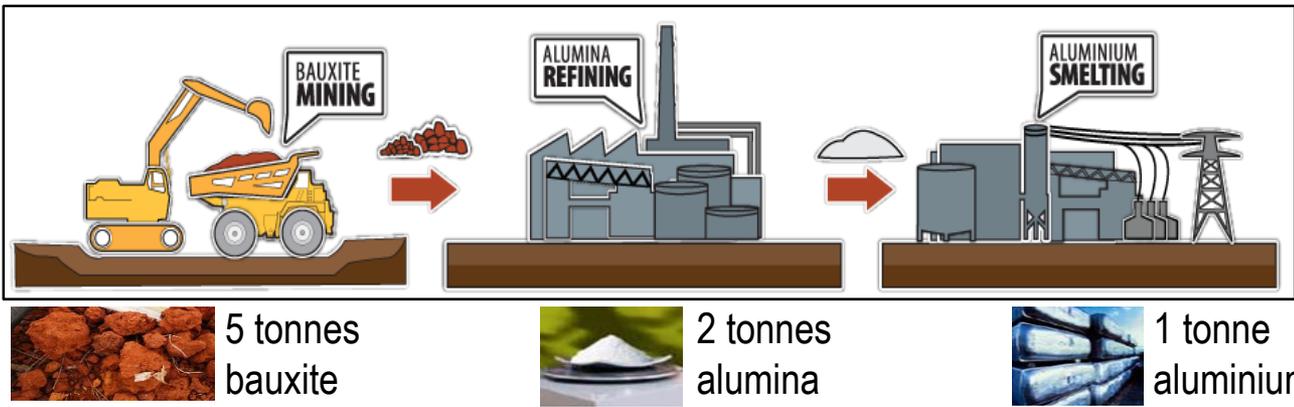
## Targeting emerging bauxite markets

RIU Resources Roundup, Sydney 11<sup>th</sup> May 2017

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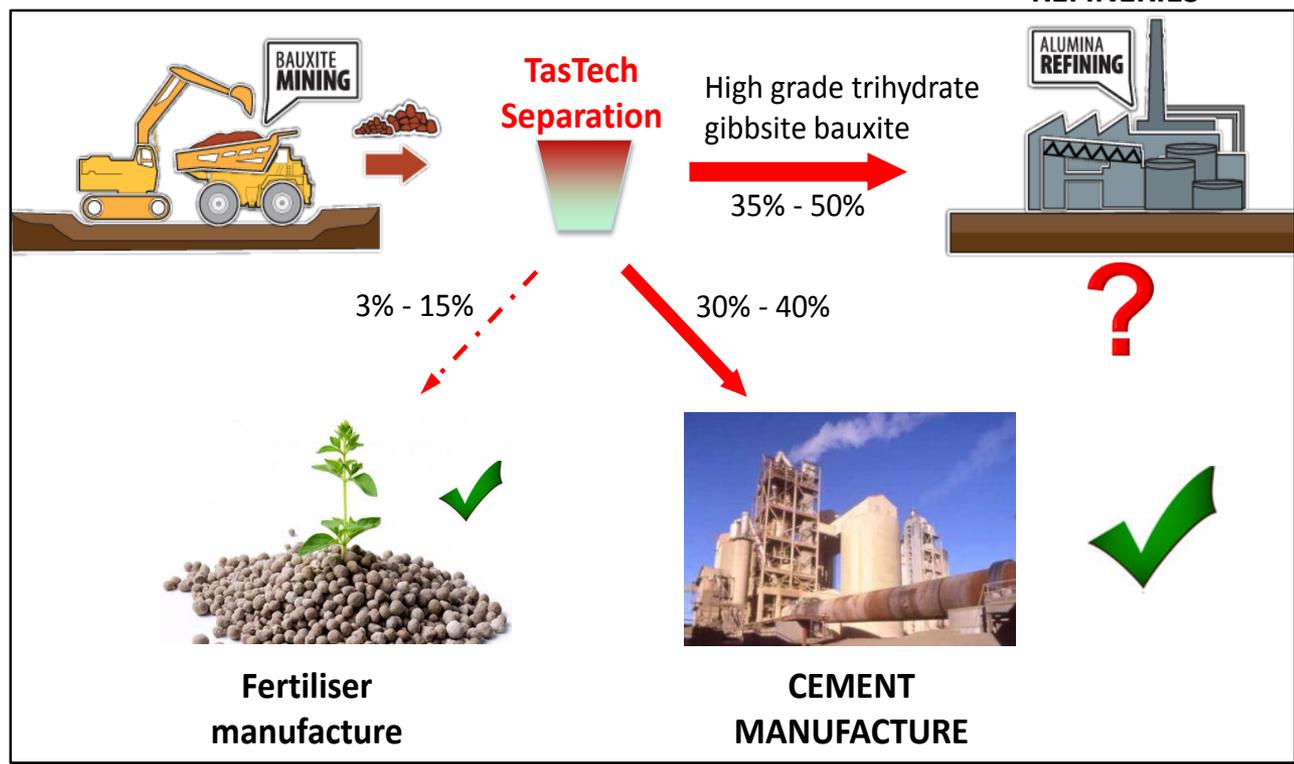
Ian Levy, Managing Director & CEO  
Mobile: +61 407 189 122  
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# Bauxite's traditional use is for aluminium (big projects)



Subdued & cyclically over-supplied. Prices fell 40% in 15 months

## ABX targets technology & market diversity



ABx bauxite sells in 3 markets – at profitable, strengthening prices

# Corporate Overview

## ASX code ABX

Listed	24 Dec 2009 @ \$0.20
Issued shares	142 million
Options	0 million
52 week range	\$0.10 - \$0.26
Average daily volume	225,000
Market cap (@ \$0.14)	\$19 million
Cash @ 01 May'17	\$1.4 million
Shareholders	2,850

## Board of Directors & Management

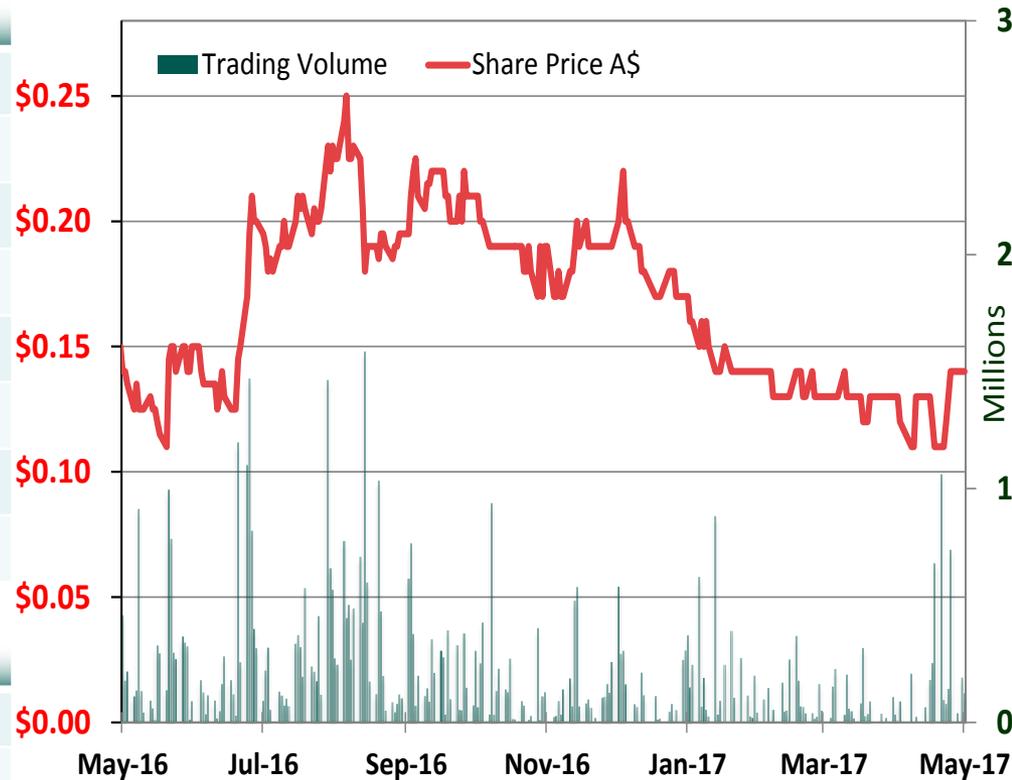
Paul Lennon <sup>1</sup>	Chairman
Ian Levy	Managing Director & CEO
Ken Boundy <sup>2</sup>	Non-Executive Director
Henry Kinstlinger	Company Secretary
Leon Hawker	Chief Operating Officer
Paul Glover	Logistics & Exploration
Jacob Rebek <sup>3</sup>	Chief Geologist

<sup>1</sup> ex-Premier of Tasmania

<sup>2</sup> Investor in Tasmania tourism industry. Holds senior public positions

<sup>3</sup> ex-CRA-Rio Tinto Chief Geologist. Led discovery team for Century Zinc (1993) and Eastern Australian Bauxite (2006-09)

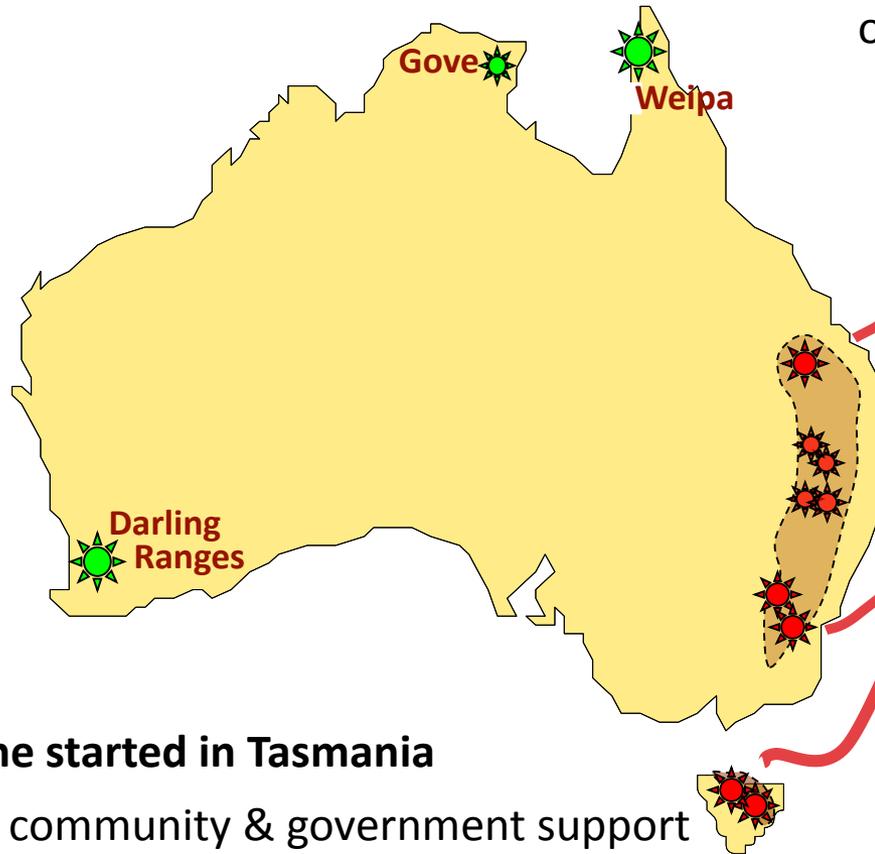
## ASX code ABX



## Major Shareholders

Major Shareholders	Shares	%
RNB Resources	11.4 m	8.0
State One Capital	8.8 m	6.2
Soul Pattinson	6.8 m	4.8
Gleneagle Securities	3.0 m	2.1
Top 20 shareholders	60.1 m	42.3

# ABx Bauxite Production Started in Tasmania



Targeting operating margins of A\$10 to A\$25 per tonne

★ = ABx bauxite deposits

**Total Resources**  
**124 million tonnes**

More than 10 viable mines in QLD, NSW & Tasmania

## First mine started in Tasmania

Strong community & government support

Good infrastructure already in place

Ports open all year

**Tasmanian Mines.**  
**+12Mt resources drilled-out**

# Bauxite Markets

Bauxite is a benign dry “ironstone” gravel with many uses, including:

## 1. Metallurgical bauxite for aluminium industry

- + 100 million tonnes pa traded globally
- Currently depressed & oversupplied (cyclical) = low profitability

## 2. Cement-grade bauxite demand is fastest growing market (**profitable prices**)

- 25 million tonnes pa of cement-grade bauxite traded, growing fast
- ABx’s bauxite helps make corrosion-resistant, late-strength cement
- Salt-free, quartz-free & helps cement kilns operate smoothly
- ***‘ABx bauxite is the best thing you can do for your cement kiln’*** (customer)

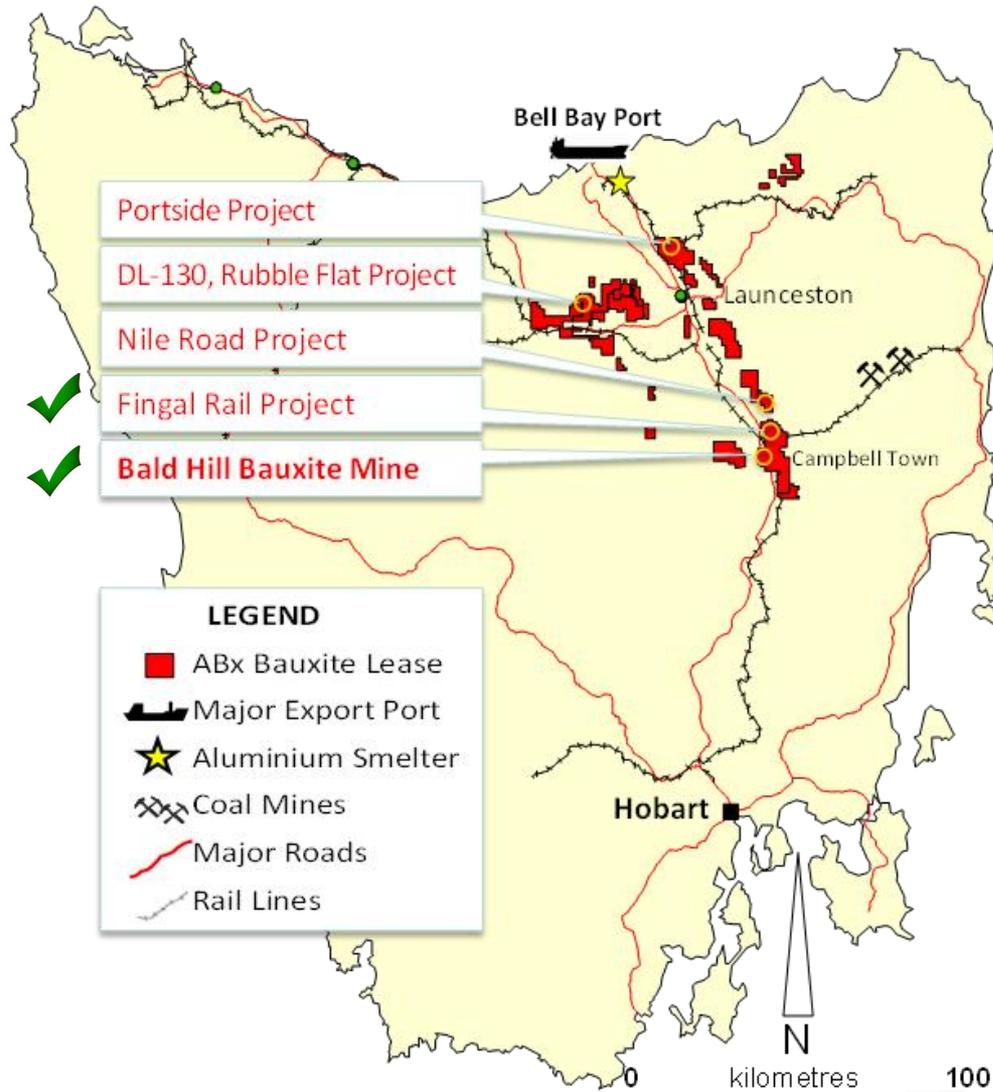
## 3. Fertiliser-grade bauxite to make superphosphate from rock phosphate

- ABx bauxite used to make granules for single superphosphate

## 4. BAUXITE REFINING TO PRODUCE ALUMINIUM FLUORIDE

- Increases the value of its bauxite tenfold, capitalising on the clean chemistry of ABx bauxite and the hydro-electricity and skills in Tasmania.

# Mines & transport in Tasmania ideally located



# Simple Quarry & Screen

RETURNS TO GRAZING IN 3 YEARS  
Soil reinstated, sheep returned after 15mths

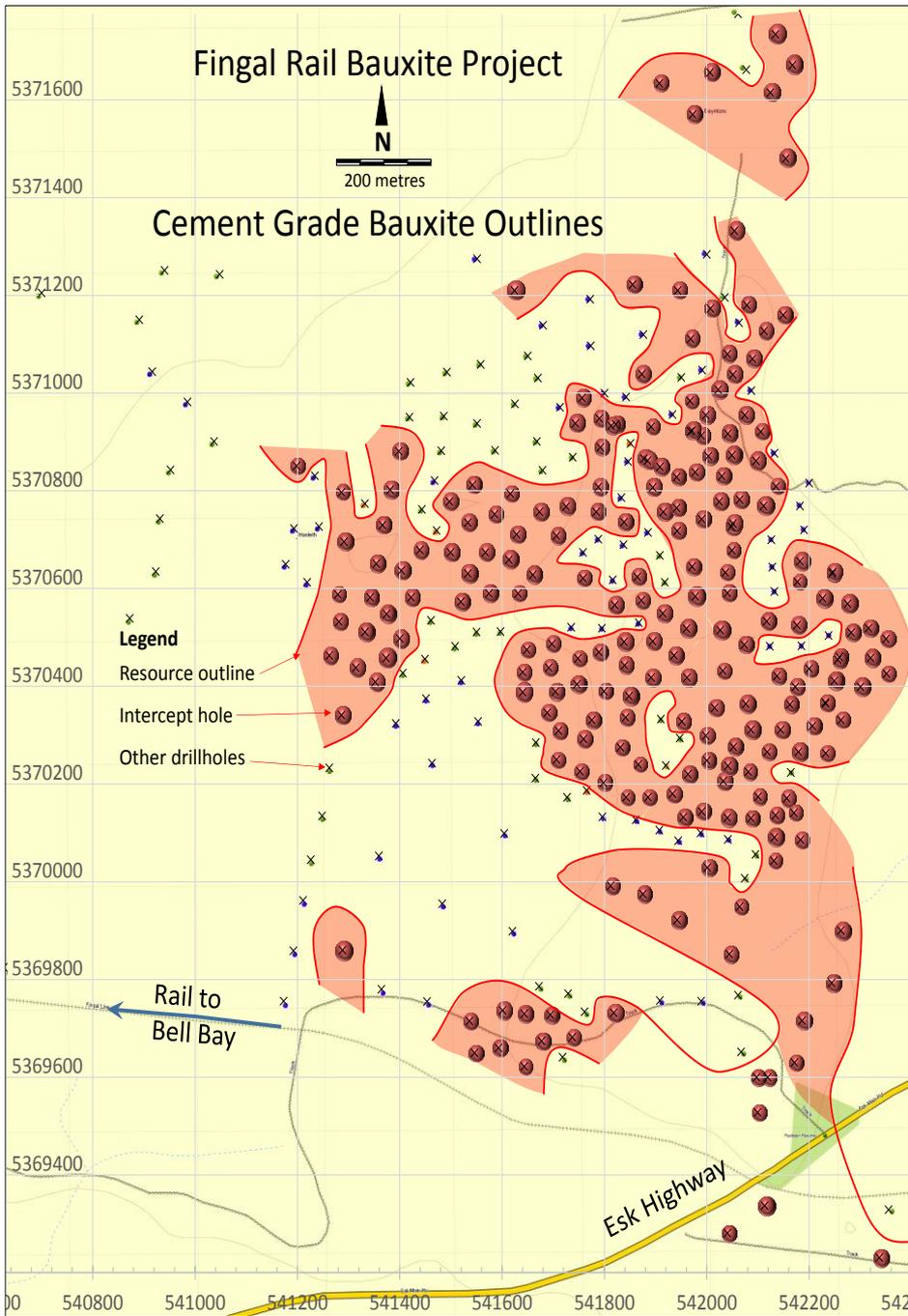
## Bald Hill "Mine" Tasmania



121,000t stockpiled for blending to "customer's specs". 35,500 tonnes ready for railing to port



Photo: Paul Scambler, The Examiner



# Tasmanian bauxite suits cement-grade

## Fingal Rail Project (our next mine)

More than 6 million tonnes

Simple production

TasTech Technology splits ore into:

1. High-grade metallurgical bauxite
2. Cement-grade bauxite

**BULK TEST IN PROGRESS NOW**





## Fingal Rail Bulk Test

our next mine

- **TasTech Test underway**
- **Bulk mining test completed satisfactorily**
- **Customer has requested 3-month exclusivity to conclude offtake contract**
- **Long-term contracts are possible**
- **Fingal Rail project assures long-term supply**



# Tasmanian bauxite also suits bauxite refining

Ore worth US\$50/t FOB upgraded to US\$1,000/t products:

Product	Chemistry	Kgs from 1 tonne bauxite	Value US\$/tonne	Value US\$
Aluminium fluoride	AlF <sub>3</sub>	506	\$1,350	\$683
Pure gibbsite	Al <sub>2</sub> O <sub>3</sub> .3H <sub>2</sub> O	96	\$100	\$10
Silica fume	SiO <sub>2</sub>	75	\$2,700	\$203
Iron Ore	Fe <sub>2</sub> O <sub>3</sub>	275	\$80	\$22
Titanium oxide	TiO <sub>2</sub>	38	\$2,500	\$95
<b>Total</b>		<b>990</b>		<b>\$1,012</b>

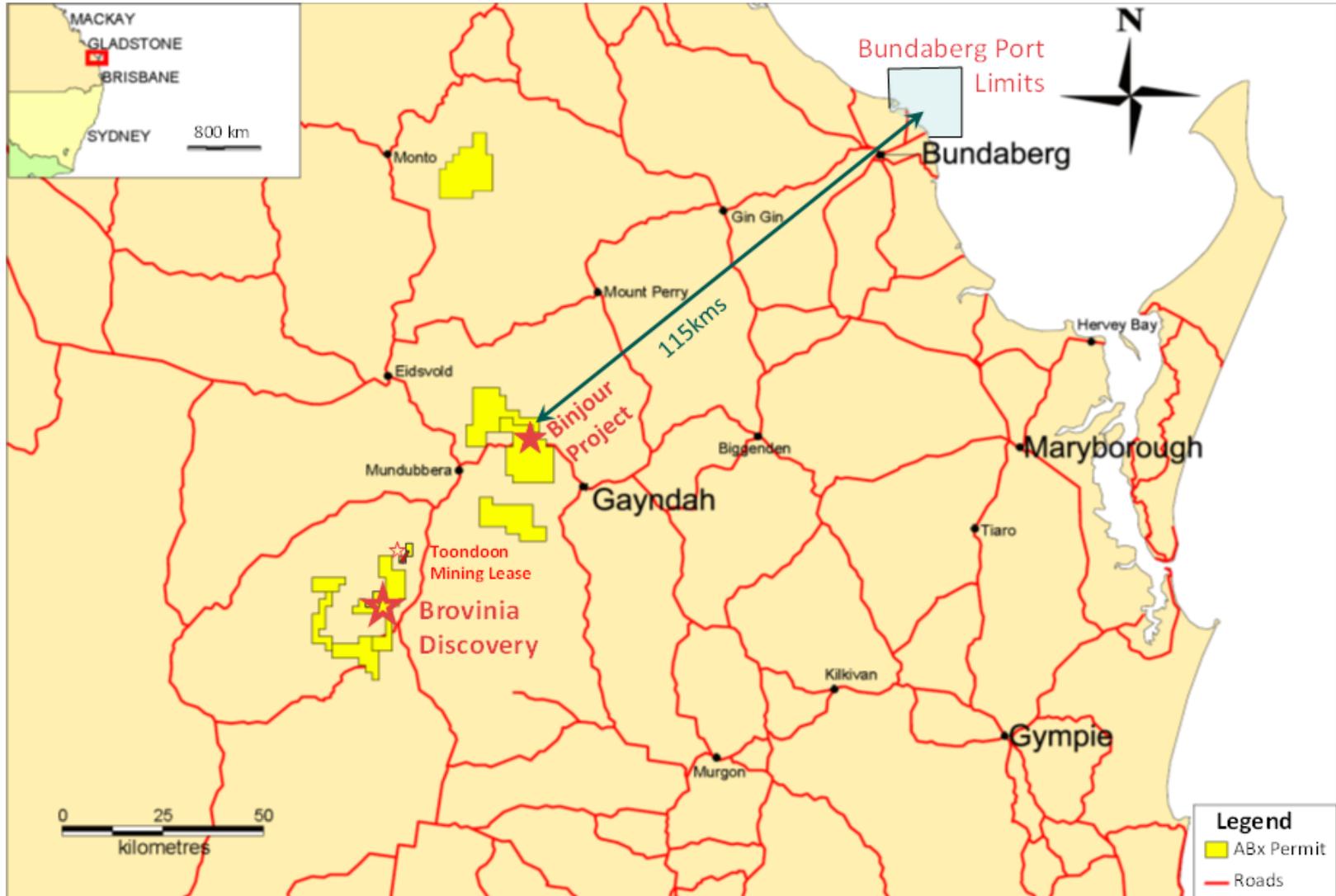
Ore Feed: 84,000 tonnes bauxite per year can produce:

Tonnes	Product	Value (US\$)
50,000	tonnes aluminium fluoride AlF <sub>3</sub>	\$67,500,000
1,110	tonnes gibbsite Al <sub>2</sub> O <sub>3</sub> .3H <sub>2</sub> O	\$111,015
6,300	tonnes silica fume SiO <sub>2</sub>	\$17,010,000
23,100	tonnes iron ore Fe <sub>2</sub> O <sub>3</sub>	\$1,848,000
3,192	tonnes titanium oxide TiO <sub>2</sub>	\$7,980,000
<b>83,702</b>	<b>tonnes products worth</b>	<b>\$94,449,015</b>

# Binjour Project, Queensland: Biggest/Best Deposit

Largest, highest grade new trihydrate gibbsite bauxite project in Pacific Basin  
28 million tonnes @ +44%  $\text{Al}_2\text{O}_3$  defined to date & new discoveries found

Potential partner visiting site late May



# ABx JORC-Compliant Mineral Resources

Region	Resource Category	Million Tonnes	Thickness (m)	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	A/S	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	LOI	Al <sub>2</sub> O <sub>3</sub> Avl	Rx SiO <sub>2</sub>	Avl/Rx	% Lab Yield	O'Burden (m)	Int.Waste (m)
				%	%	ratio	%	%	%	@ 143°C %	%	ratio	%	%	%
CAMPBELL TOWN AREA TASMANIA <sup>7</sup>	Inferred	1.3	3.0	42.6	3.5	12	25.4	3.5	24.6	36.7	3.0	12	50	2.1	0.1
	Indicated	1.4	3.2	42.5	3.2	14	26.4	3.0	24.5	36.2	2.8	14	55	1.8	0.1
	Total	2.7	3.1	42.5	3.3	13	25.9	3.3	24.5	36.5	2.9	13	52	2.0	0.1
Fingal Rail Cement-Grade Bauxite <sup>8</sup>	Inferred	2.4	3.3	30.9	19.5	--	35.4	3.9	16.7	--	--	--	--	1.9	0.1
	Indicated	3.9	3.8	31.1	19.0	--	35.2	4.0	16.9	--	--	--	--	1.7	0.1
	Total	6.3	3.6	31.0	19.2	--	35.3	4.0	16.8	--	--	--	--	1.8	0.1
DL-130 AREA TAS <sup>1</sup>	Inferred	5.7	3.8	44.1	4.3	10	22.8	3.1	25.0	37.6	3.2	12	55	1.5	0.1
	Total Tas	14.7	3.6	38.2	10.5	n.a.	28.7	3.5	21.4	n.a.	n.a.	n.a.	54	1.7	0.1
BINJOUR QLD <sup>2</sup>	Inferred	9.0	3.9	43.7	4.5	10	22.4	3.6	24.2	38.0	3.8	10	59	8.2	0.3
	DSO Indicated	15.5	5.3	44.2	3.1	15	23.4	3.7	24.9	39.5	2.6	15	62	9.4	0.3
	Total	24.5	4.8	44.1	3.6	12	23.1	3.7	24.6	39.0	3.0	13	61	8.9	0.3
TOONDOON QLD <sup>3</sup>	Inferred	3.5	4.9	40.2	7.2	6	25.3	4.9	21.7	32.8	5.2	6	67	1.5	0.0
TARALGA S. NSW <sup>4</sup>	Inferred	9.9	3.1	40.4	5.7	7	24.6	4.1	22.2	35.2	1.9	18	54	0.1	0.2
	Indicated	10.2	3.7	41.3	5.3	8	25.9	4.0	22.9	36.1	1.9	19	55	0.7	0.4
	Total	20.1	5.6	40.8	5.5	7	25.3	4.0	22.6	35.7	1.9	19	55	0.5	0.3
	PDM-DSO* Inferred	7.6	2.5	37.0	6.0	6	38.4	3.5	13.3	22.1*	1.3	17	72	0.2	0.1
	Indicated	10.3	3.1	37.6	3.9	10	40.4	3.7	13.5	22.4*	1.1	20	71	0.7	0.4
	Total	17.8	5.8	37.3	4.8	8	39.6	3.6	13.5	22.3*	1.2	18	72	0.5	0.3
Total Taralga	37.9	5.7	39.2	5.2	8	32.0	3.8	18.3	35.4	1.6	23	63	0.5	0.3	
INVERELL N. NSW <sup>5</sup>	Inferred	17.5	4.7	39.8	4.8	8	27.7	4.3	22.2	31.0	4.2	7	61	2.3	
	Indicated	20.5	4.8	40.6	4.7	9	26.9	4.1	22.5	32.0	4.0	8	60	2.4	
	Total	38.0	4.8	40.2	4.7	9	27.3	4.2	22.4	31.6	4.1	8	61	2.4	
GUYRA N. NSW <sup>6</sup>	Inferred	2.3	4.2	41.4	3.6	12	26.2	3.3	24.6	35.0	2.8	13	56	3.4	
	Indicated	3.8	5.9	43.1	2.6	16	27.3	3.9	24.5	37.4	2.0	18	61	4.4	
	Total	6.0	5.3	42.5	3.0	14	26.9	3.7	24.5	36.5	2.3	16	59	4.0	

**GRAND TOTAL ALL AREAS 124.6** \* PDM is Al<sub>2</sub>O<sub>3</sub> spinel. Al<sub>2</sub>O<sub>3</sub> Avl at 225°C is >35%

**Explanations:** All resources 100% owned & unencumbered. Resource tonnage estimates are quoted as in-situ, pre mined tonnages. All assaying done at NATA-registered ALS Laboratories, Brisbane. **Chemical definitions:** Leach conditions to measure available alumina "Al<sub>2</sub>O<sub>3</sub> Avl" & reactive silica "Rx SiO<sub>2</sub>" is 1g leached in 10ml of 90gpl NaOH at 143°C for 30 minutes. LOI = loss on ignition at 1000°C. "Avl/Rx" ratio is (Al<sub>2</sub>O<sub>3</sub> Avl)/(Rx SiO<sub>2</sub>) and "A/S" ratio is Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub>. Values above 6 are good, above 10 are excellent. Tonnage is for drill dust samples screened by bauxite lab at 0.26mm. Production yields are not directly related and are typically between 60% and 75%. Tonnages requiring no upgrade will have 100% yield. **Resource estimates exclude** large tonnages of potential extensions, overburden & interburden detrital bauxite and underlying transitional bauxite mineralisation. Production will clarify these materials.

The information above relates to Mineral Resources previously reported according to the JORC Code (see Competent Person Statement) as follows:

- <sup>1</sup> Maiden Tasmania Mineral Resource, 5.7 million tonnes announced on 08/11/2012
- <sup>2</sup> Binjour Mineral Resource, 24.5 million tonnes announced on 29/06/2012
- <sup>3</sup> QLD Mining Lease 80126 Maiden Resource, 3.5 million tonnes announced on 03/12/2012
- <sup>4</sup> Goulburn Taralga Bauxite Resource Increased by 50% to 37.9 million tonnes announced on 31/05/2012
- <sup>5</sup> Inverell Mineral Resource update, 38.0 million tonnes announced on 08/05/2012
- <sup>6</sup> Guyra Maiden Mineral Resource, 6.0 million tonnes announced on 15/08/2011
- <sup>7</sup> ASX ABX Initial resources for first Tasmanian mine announced on 24/03/2015
- <sup>8</sup> ASX ABX Resource Upgrade for Fingal Rail Project Tasmania announced on 25/08/2016

## 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.

## Competent Person Statement

Information herein relating to Exploration Results, Mineral Resources and Exploration 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 JORC Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. This report is issued with the prior written consent of the Competent Person as to the form and context in which it appears.

The information in this report relating to Mineral Resources was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

## 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.

# Good Landholder Relations

ABX endorses best practices on agricultural land to leave land and environment better than we find it. We only operate where we are welcomed

