



**AUSTRALIAN BAUXITE LIMITED**

ASX: ABX

**About Australian Bauxite Limited  
ASX Code ABX**

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 – the type in short-supply globally.

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, with first shipments targeted for 3<sup>rd</sup> Quarter, 2015.

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 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.**

**Directors / Officers**

Paul Lennon	Chairman
Ian Levy	CEO & MD
Ken Boundy	Director

Leon Hawker	Chief Operating Officer
Rob Williams	General Manager
Jacob Rebek	Chief Geologist
Henry Kinstlinger	Secretary
Julian Rockett	Secretary

**ASX Symbol: ABX**

**Latest News:** [www.australianbauxite.com.au](http://www.australianbauxite.com.au)

**CEO Presentation at Resources Rising Stars  
Conference**

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented at the Resources Rising Stars Conference being held at the Royal Pines Resource, Gold Coast on 24-25 September 2015.

Mr Ian Levy, CEO is making the presentation at 11:20 am today, Thursday 24 September 2015.

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

**For further information please contact:**

Ian Levy, CEO and MD

Australian Bauxite Limited

Telephone: +61 (0) 2 9251 7177

Mobile: +61 (0) 407 189 122

**AUSTRALIAN BAUXITE LIMITED**

ACN 139 494 885

Level 2 Hudson House 131 Macquarie Street Sydney NSW 2000

p: +61 2 9251 7177 f: +61 2 9251 7500

w: [australianbauxite.com.au](http://australianbauxite.com.au) e: [corporate@australianbauxite.com.au](mailto:corporate@australianbauxite.com.au)

# AUSTRALIAN BAUXITE LIMITED



**Production & Stockpiles Rising Steadily  
Accelerating into Summer Peak Season**

**Project fully-funded  
Sales Started**

**Customer ready for maiden shipment**

Level 2, 131 Macquarie St  
Sydney, NSW 2000, Australia  
Phone: +61 2 9251 7177  
E: [corporate@australianbauxite.com.au](mailto:corporate@australianbauxite.com.au)

Ian Levy, Managing Director & CEO  
Mobile: +61 407 189 122  
E: [ilevy@australianbauxite.com.au](mailto:ilevy@australianbauxite.com.au)

# Corporate Overview

**ASX code** ABX

Listed	24 Dec 2009 @ \$0.20
Issued shares	140.5 million
Options	3.7 million
52 week range	\$0.15 - \$0.375
Average daily volume	207,000
Market cap (@ \$0.23)	\$33 million
Cash \$2.7million @ 30 Jun'15	\$1.8 million @ 18 Sep'15
Shareholders	2,760

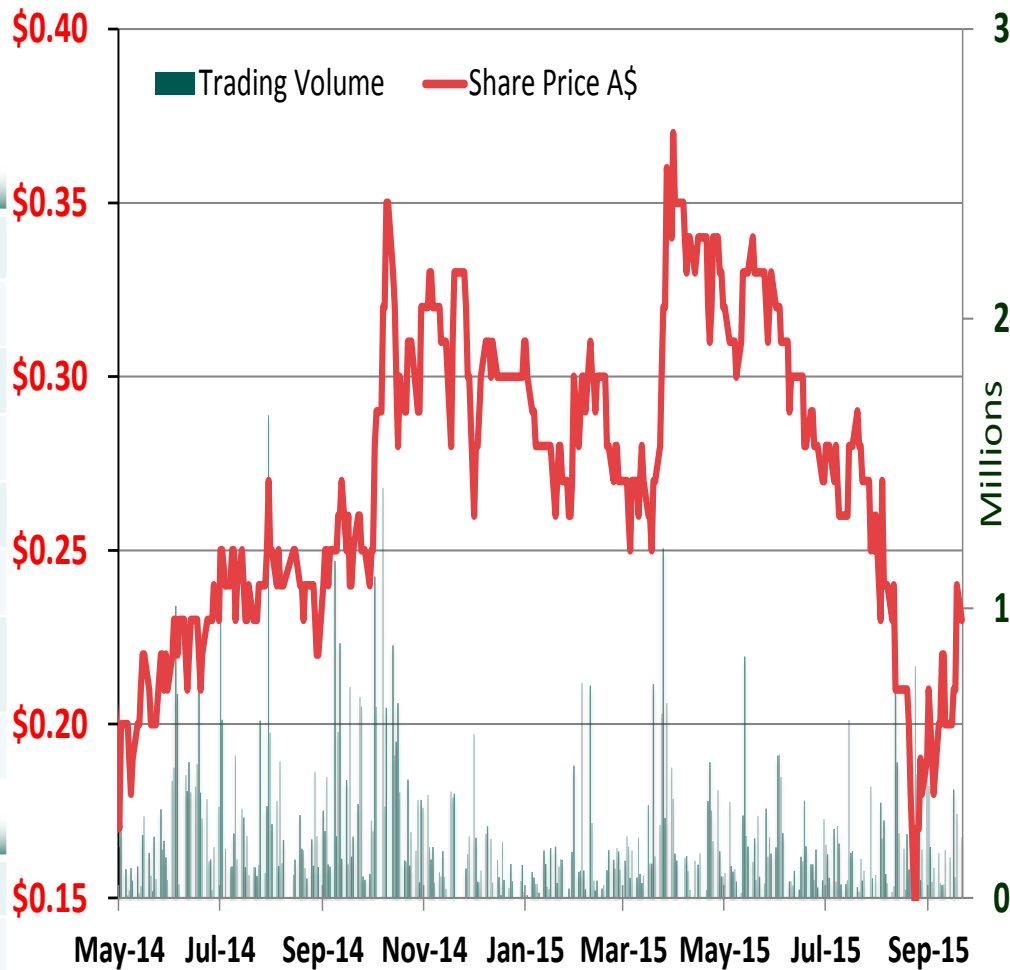
## Board of Directors & Management

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
Rob Williams	General Manager
Jacob Rebek <sup>3</sup>	Chief Geologist

<sup>1</sup> ex-Premier of Tasmania and investor in China

<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 (1993) and Eastern Australian Bauxite (2006-09)



Major Shareholders	Shares	%
Gleneagles Securities	12.0 m	8.9
RNB Resources	11.5 m	8.2
State One Capital	7.8 m	5.6
Soul Pattinson	6.8 m	4.8
Top 20 shareholders	61.8 m	44.0

## 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

### General

The information in this report that relates to Exploration Information and Mineral Resources is based on information compiled by Jacob Rebek and Ian Levy who are members of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Rebek and Mr Levy are qualified geologists and Mr Levy is a director of Australian Bauxite Limited.

### Mainland

The information relating to Mineral Resources on the Mainland 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.

Mr Rebek and Mr Levy have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are 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. Mr Rebek and Mr Levy have consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

### Tasmania

The information relating to Mineral Resources in Tasmania has been prepared or updated under the JORC Code 2012.

Mr Rebek and Mr Levy have sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Rebek and Mr Levy have consented in writing to the inclusion in this report of the Exploration Information in the form and context in which it appears.

# ABx Investment Highlights

- ✓ 1<sup>st</sup> Mine at Bald Hill, Tasmania: Cash flow within 3 months
- ✓ Customer selected and engaged: Very supportive
- ✓ **Sales have started** – and will grow steadily
- ✓ Good bauxite, close to transport, no socio-enviro issues
- ✓ **TASSIE TECHNOLOGY** – we can now make high grade bauxite by a new process, mainly in Summer months
- ✓ All is gibbsite trihydrate low silica bauxite: Most in demand
- ✓ Exploration success rate. Exploration technology
- ✓ Exploration and development potential in:
  - **Tasmania (first mines): 9 million tonnes and increasing**
  - **Queensland (largest project): 30 million tonnes and increasing**
  - **New South Wales Sth (thickest bauxite): 40 million tonnes**

# Production process: factors & trends

**MINE**

**4 to 6 tonnes bauxite**



**REFINE**

**2 tonnes alumina**



**SMELT**

**1 tonne aluminium**



**Customers:**

**China**

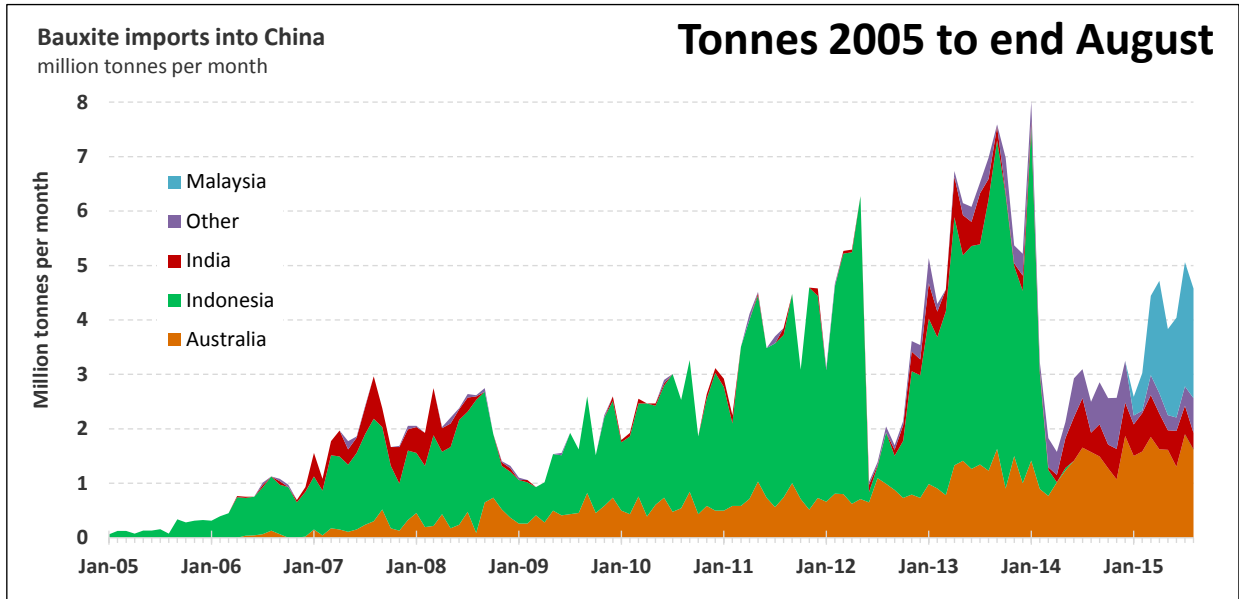
**India**

**Middle East**

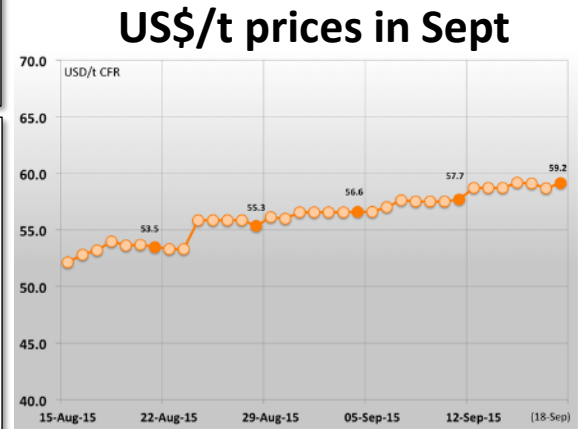
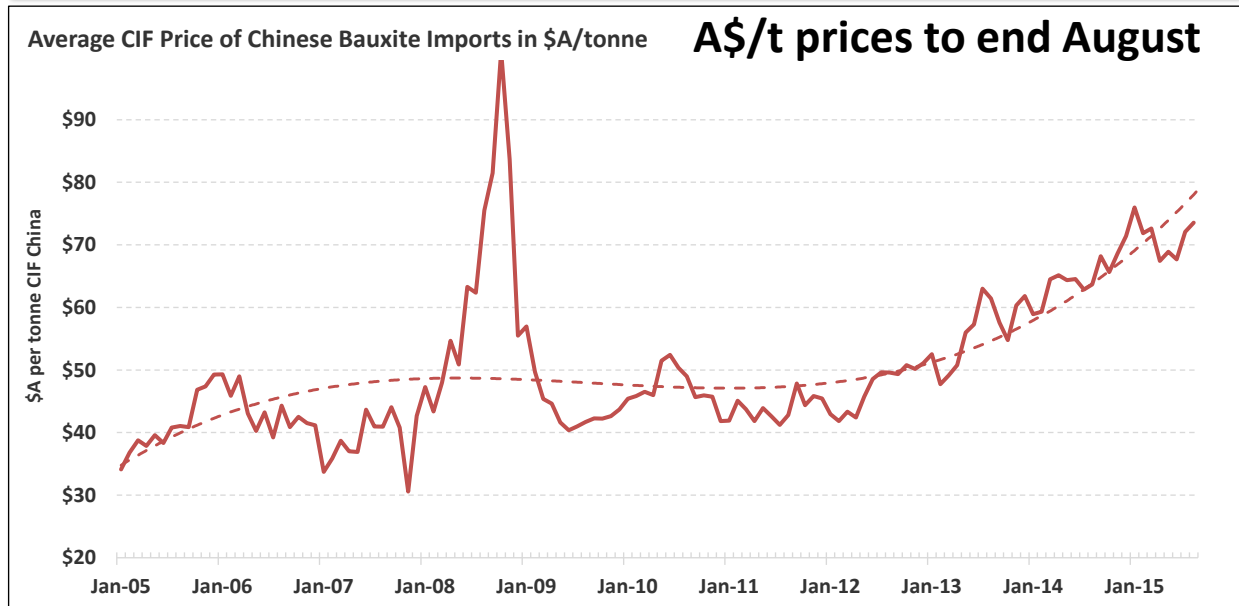
**Australia**

# Bauxite Prices Rising Strongly in A\$

US\$ prices rising & Fx rate weak - with more upside to come



**ABX's  
OPPORTUNITY IS  
NOW**



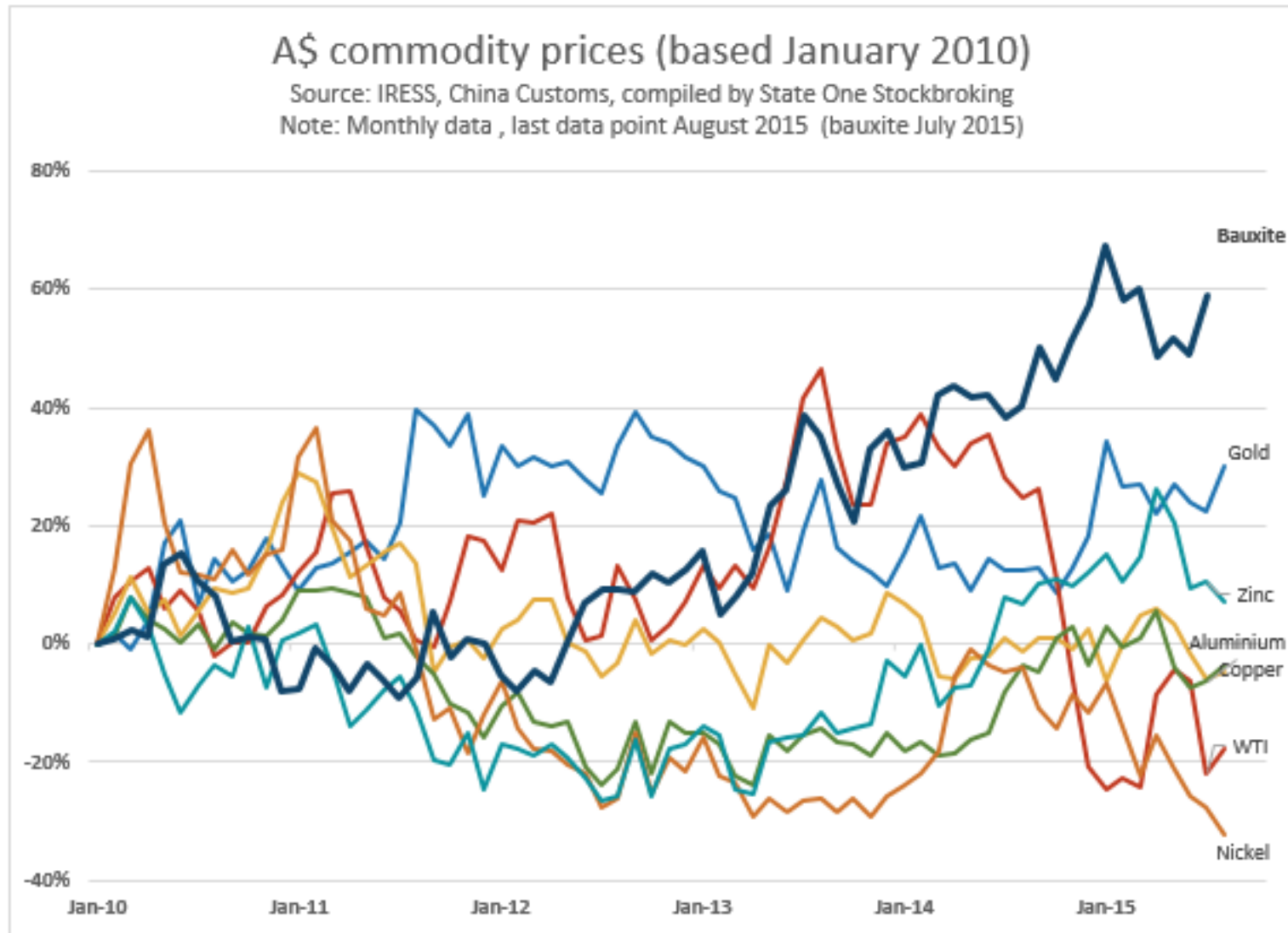
Source: CBIX Index

Source: C&M, China Customs, Bloomberg & RBA fx rates



# Bauxite prices are rising most strongly

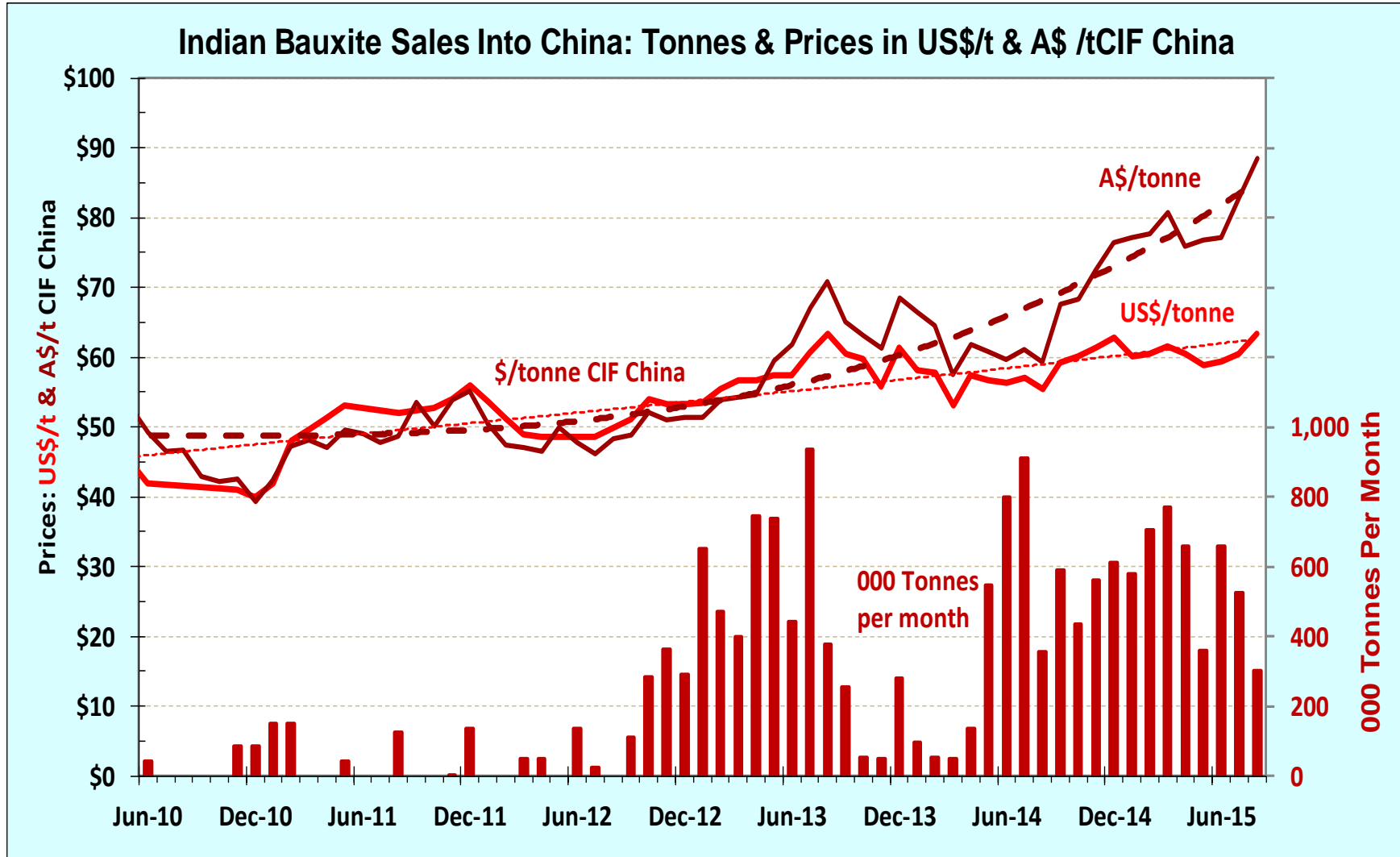
## Bauxite is outperforming all other mineral prices





# Indian Bauxite In Strongest Demand

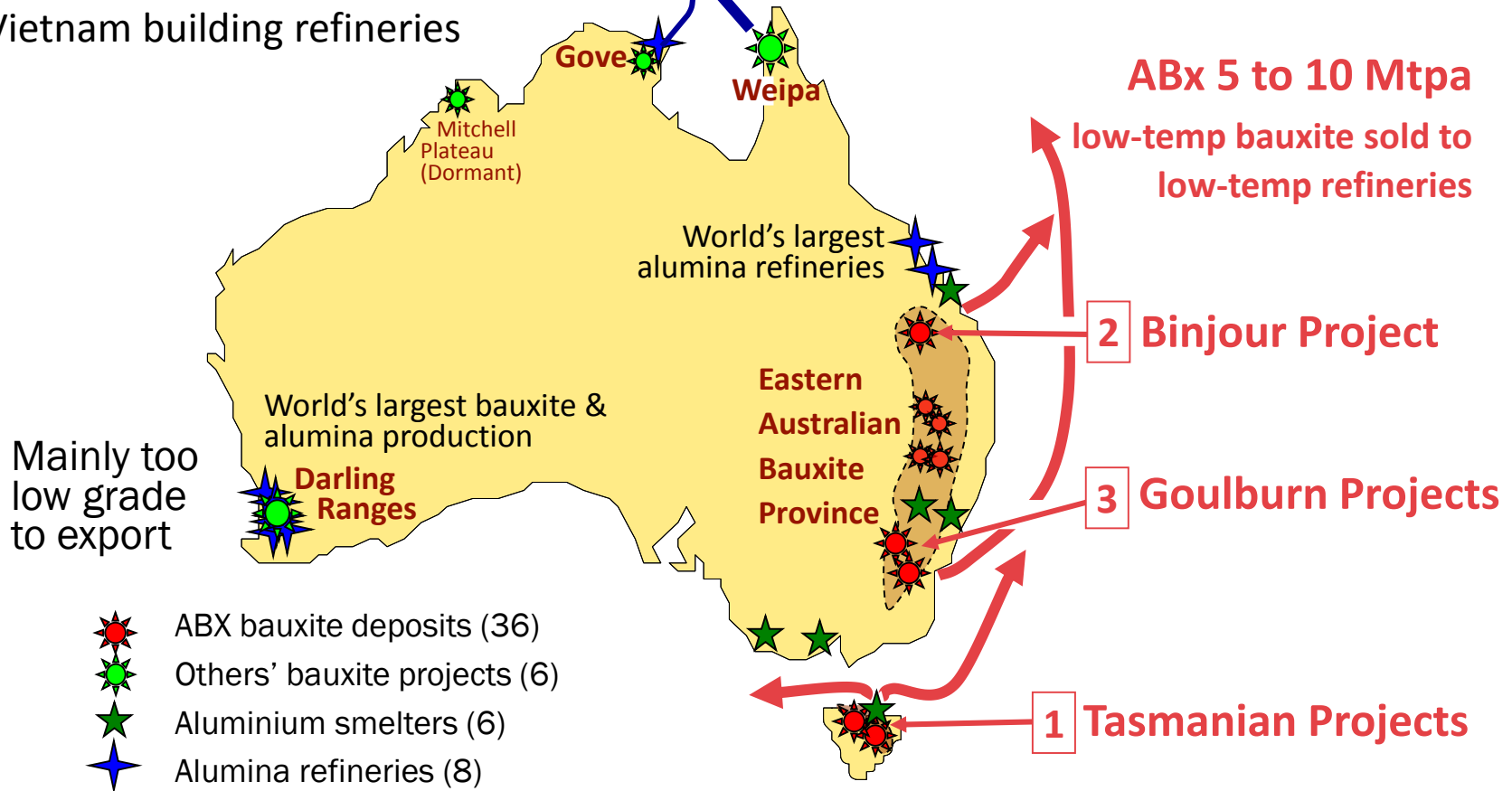
ABx type bauxite is compatible with Indian bauxite



# ABx's Increasing Bauxite Export Strategy

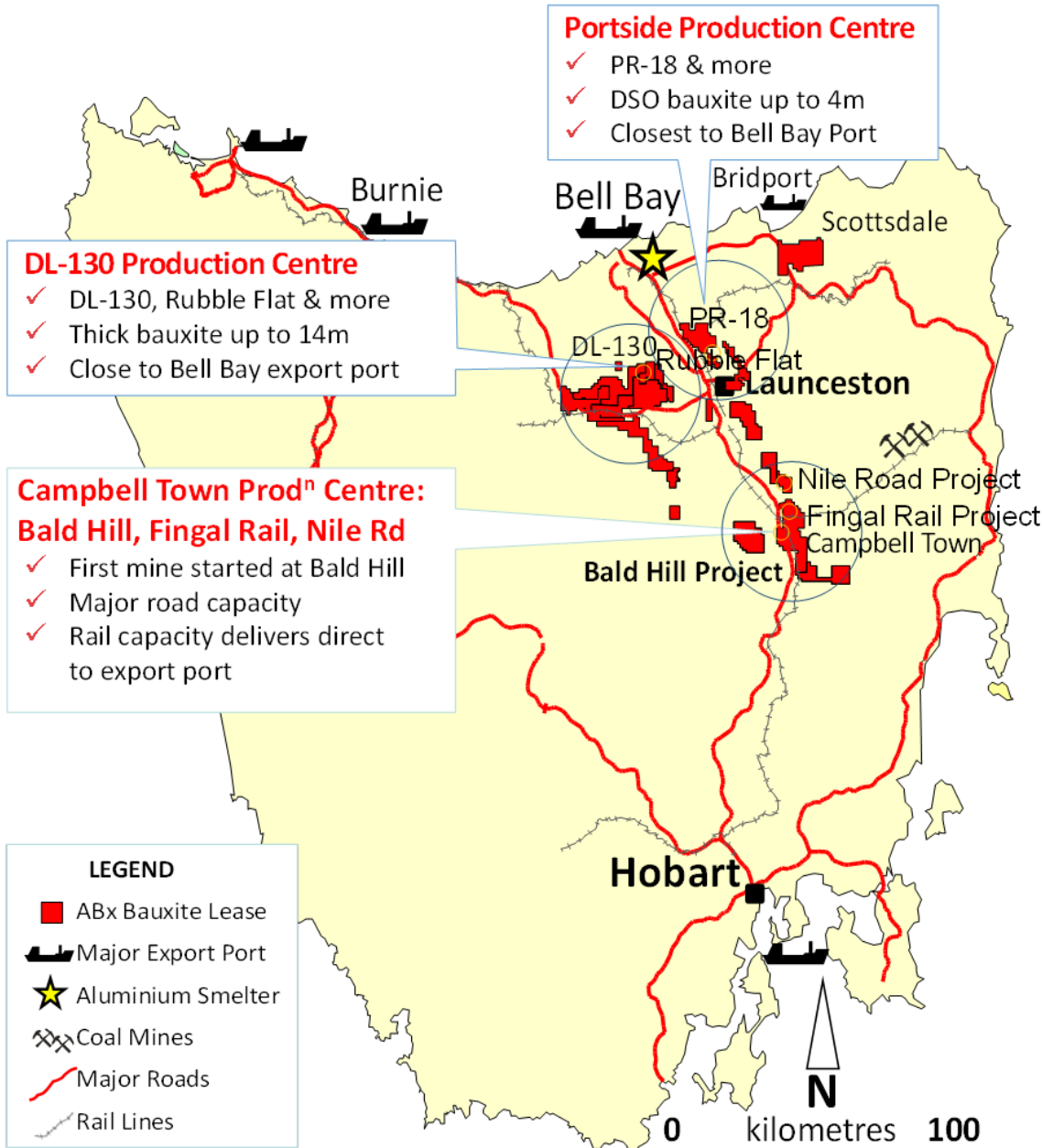
Indonesia building refineries  
 Malaysia limited resources  
 Vietnam building refineries

Rio Tinto \$1.5 billion expansion of bauxite supply to high-temp refineries  
 +30 Mtpa forecast



**Rio mainly exports high temperature bauxite to China's high temp refineries**  
**ABx's sales of low temperature bauxite to low temperature refineries will complement Rio's sales. Australia can be the main supplier to China.**

# 3 Production Centres & Infrastructure in Tasmania



# Bald Hill Mine: Will return to grazing in ~3 years

Campbell Town, Northern Tasmania



“Big Red” & “Li'l Red Twin Screens



Simple bench mining



Dry Screening



Loading bauxite into B-Double Trucks



Loading onto rail wagons



Bauxite Train to Bell Bay Port



Unload tipper for discharge from rail into radial stacker at Bell Bay Port



Radial stacker building bulk bauxite shipping stockpile at Bell Bay Port

# Capital & Operating Costs



Capital Item	Amount
Site mobilisation	\$1.5 m
Net site establishment	\$2.0 m
Road upgrade	\$1.0 m
Contingency (25%)	\$0.5 m
<b>Initial capital (95% complete)</b>	<b>\$5.0 m</b>
Working capital	\$1.0 m
<b>Later Expansion</b>	<b>[\$7.5 m]</b>
Shiploader has been hired	

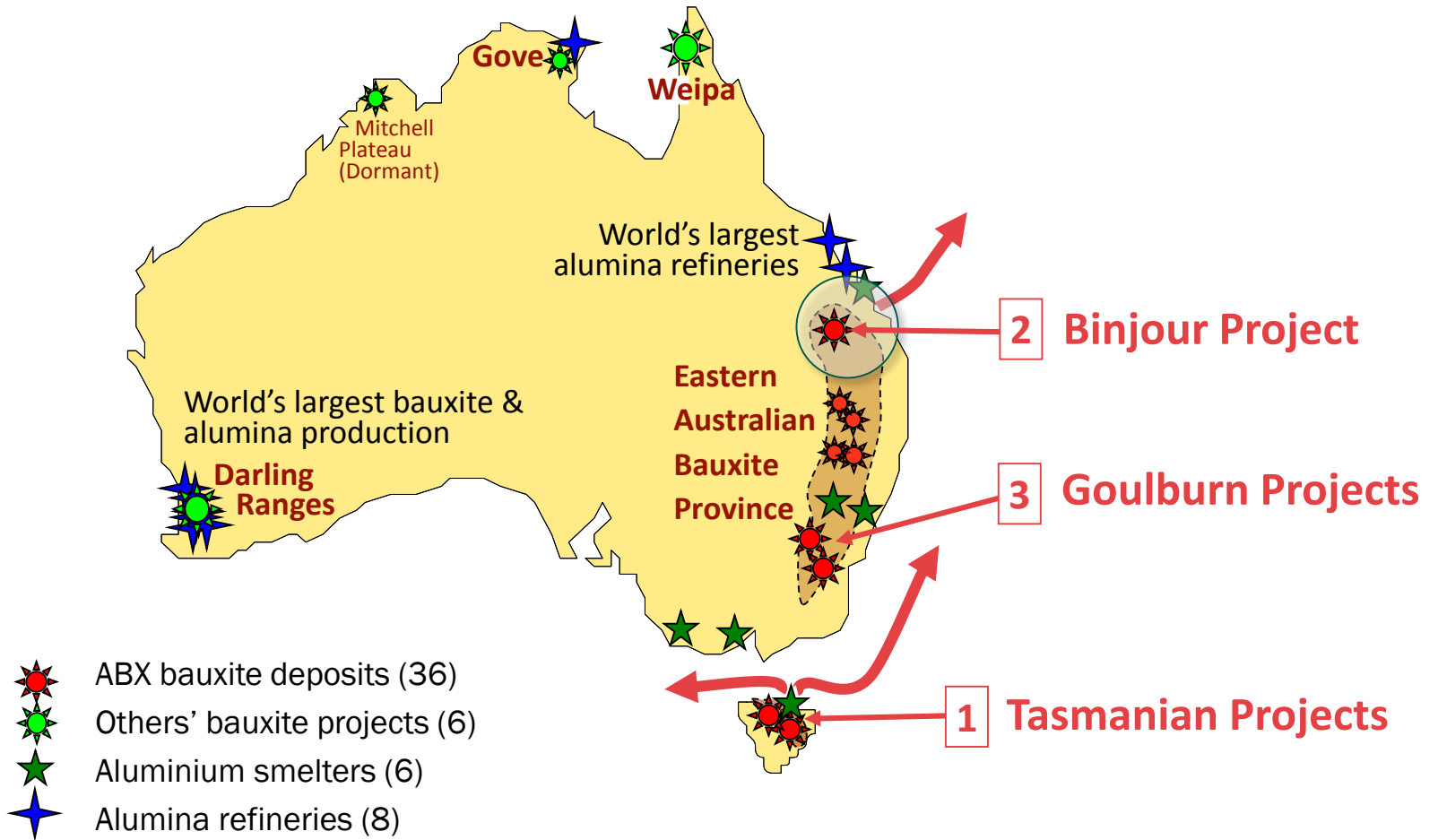
Opex Excl. Contingency	A\$/t FOB
Mining & screening	\$8.00/t
Administration & landholder dealings	\$1.60/t \$0.80/t
State royalty	\$0.50/t
Road-Rail haul	\$12.80/t
Port costs	\$7.00–\$8.00/t
<b>Total FOB</b>	<b>A\$31–A\$33/t</b>
<b>Shipping</b>	<b>US\$12–US\$16/t</b>



**A\$10–A\$20/t margin  
based on current bauxite  
prices**

**Indian Bx = US\$58/t  
CIF China**

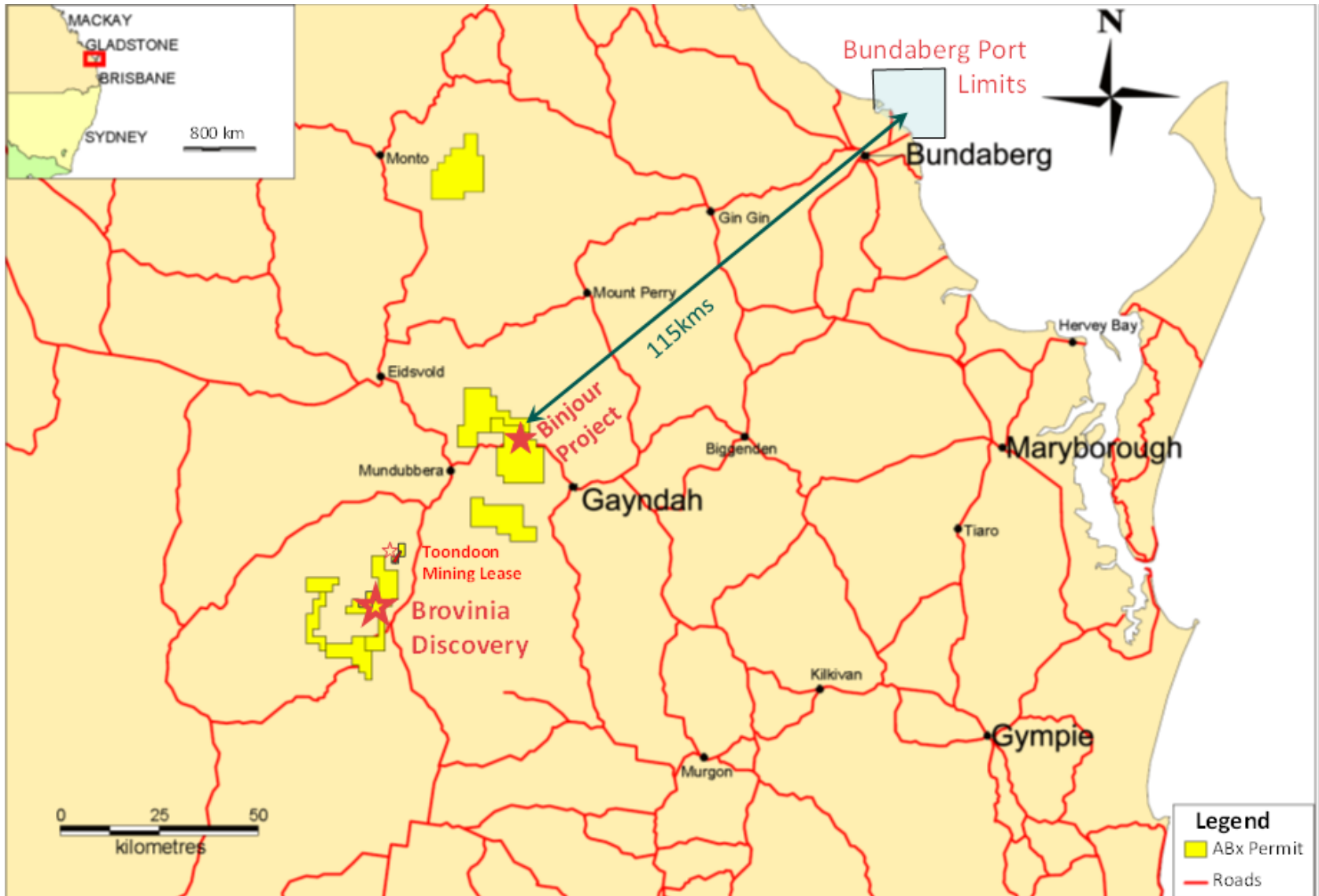
# ABx's Largest Bauxite Project: Binjour, Central QLD





# Binjour Project, Queensland: Drill 2<sup>nd</sup> Half 2015

Thick, large, highest grade new trihydrate gibbsite bauxite project in Pacific Basin



# New Bauxite Discovered at Brovinia is High Grade

Sample	Type	Raw Unsieved Samples								
		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 %	Avl Al <sub>2</sub> O <sub>3</sub> %	Rx SiO <sub>2</sub> %	Avl/Rx ratio
BJ606	Surface	48.90	7.02	7.0	14.80	2.37	26.40	41.90	6.80	6.2
BJ607	Surface	47.40	4.03	11.8	37.50	3.17	7.14	24.70	3.30	7.5
BJ608	Surface	47.20	5.28	8.9	21.00	2.20	24.03	39.30	4.80	8.2
BJ609	Surface	43.30	1.99	21.8	29.60	1.89	22.79	40.70	1.70	23.9
BJ610	Surface	49.70	3.55	14.0	16.45	2.85	27.11	46.40	3.20	14.5
BJ611	Surface	50.90	3.73	13.6	15.00	2.66	27.31	46.90	3.30	14.2
BJ612	Surface	51.50	1.16	44.4	15.60	2.76	28.66	50.10	1.00	50.1
BJ613	Surface	51.00	0.89	57.3	16.55	2.90	28.28	49.90	0.80	62.4
BJ614	Surface	45.40	12.50	3.6	15.40	2.38	23.81	33.80	12.20	2.8
BJ615	Surface	47.20	11.35	4.2	15.30	2.46	23.20	34.70	11.00	3.2
BJ616	Surface	50.50	8.91	5.7	12.30	1.68	26.36	42.20	8.70	4.9
BJ617	Surface	50.10	9.77	5.1	12.45	1.72	25.72	40.50	9.60	4.2
<b>Averages</b>		<b>48.6</b>	<b>5.8</b>	<b>8.3</b>	<b>18.5</b>	<b>2.4</b>	<b>24.2</b>	<b>40.9</b>	<b>5.5</b>	<b>7.4</b>

**Explanations:** Surface samples from areas of bauxite potential and are considered representative of the bauxite encountered at surface in the Brovinia bauxite discovery area which is difficult to access. 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. These samples are all raw, unsieved bauxite.

# Binjour Bauxite Project, Queensland

Binjour Logistics : use the old abandoned rail easements for dedicated haulage or pipeline routes



High productivity trucks ~350-500t



**Binjour Plateau Bauxite Project**  
3 to 4 mill tonnes pa

# ABx JORC 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 @ 143°C	Rx SiO <sub>2</sub>	Avl/Rx ratio	% Lab Yield	O'Burden (m)	Int. Waste (m)
				%	%	ratio	%	%	%	%	%	%	%	%	%
CAMPBELL TOWN AREA TASMANIA <sup>7</sup>	Inferred	1.8	3.0	42.6	3.5	12	25.4	3.5	24.6	36.7	3.0	12	50	2.1	0.1
	Indicated	1.7	3.2	42.5	3.2	14	26.4	3.0	24.5	36.2	2.8	14	55	1.8	0.1
	Total	3.5	3.1	42.5	3.3	13	25.9	3.3	24.5	36.5	2.9	13	52	2.0	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	9.2	3.5	43.5	3.9	11	24.0	3.2	24.8	37.2	3.1	12	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
<b>Total Taralga</b>	<b>37.9</b>	<b>5.7</b>	<b>39.2</b>	<b>5.2</b>	<b>8</b>	<b>32.0</b>	<b>3.8</b>	<b>18.3</b>	<b>35.4</b>	<b>1.6</b>	<b>23</b>	<b>63</b>	<b>0.5</b>	<b>0.3</b>	
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	
<b>GRAND TOTAL ALL AREAS</b>		<b>119.1</b>													

\* 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 bauxite in-situ. **Lab Yield** is for drill dust samples screened by ALS 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

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