



**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 Noosa Mining and  
Exploration Conference**

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented at the Noosa Mining and Exploration Conference being held at the Outrigger Little Hastings Street Resort and Spa, Noosa on 16 & 17 July 2015.

Mr Ian Levy, CEO is making the presentation at 12:15 pm on Thursday 16 July 2015.

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



**Production Commenced On Schedule**

**Port Stockpile Building For Maiden Shipment**

**Project fully-funded**

**Preferred customer engaged**

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Ian Levy, Managing Director & CEO  
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**Bald Hill Mine**  
Campbell Town  
Northern Tasmania



Dry  
Screening



Loading bauxite product into covered containers

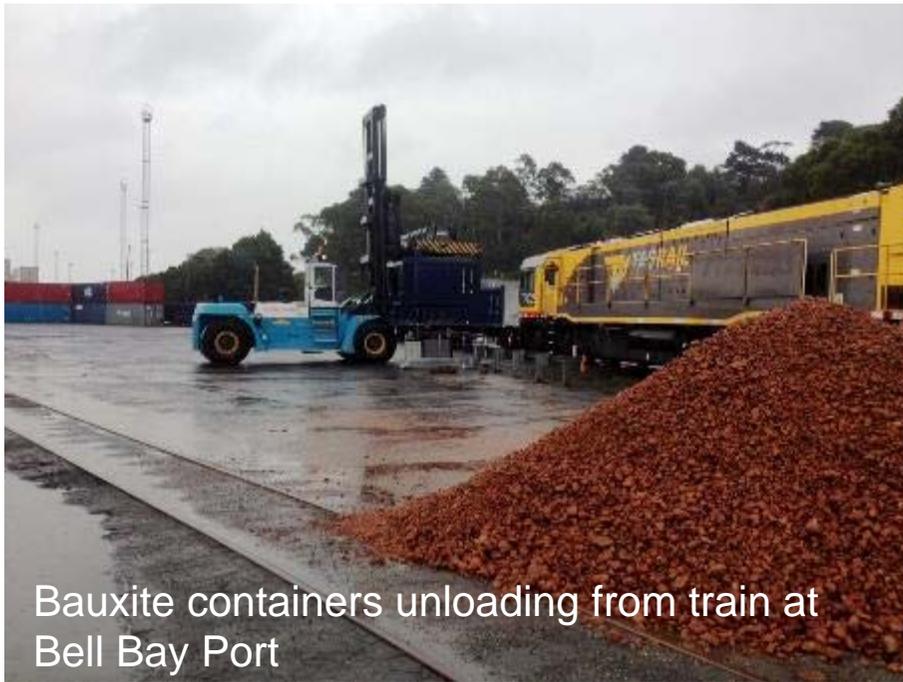


Loading train at Conara

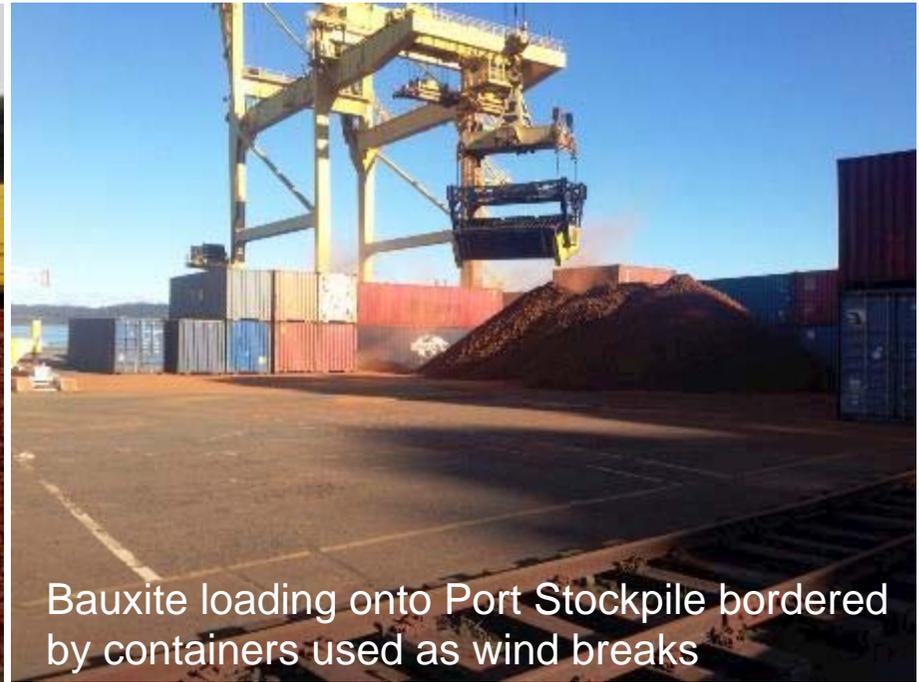


Train arrives early morning at Bell Bay Port





Bauxite containers unloading from train at Bell Bay Port



Bauxite loading onto Port Stockpile bordered by containers used as wind breaks



Bulk Shiploader ready for assembly at Bell Bay Port



Bell Bay Port No.5 berth layout

# Corporate Overview

ASX code	ABX
Listed	24 Dec 2009 @ \$0.20
Issued shares	140.5 million
Options	3.7 million
52 week range	\$0.17 - \$0.375
Average daily volume	225,000
Market cap (@ \$0.27)	\$37 million
Cash (30 Jun 2015)	\$2.3 million
Shareholders	2,780

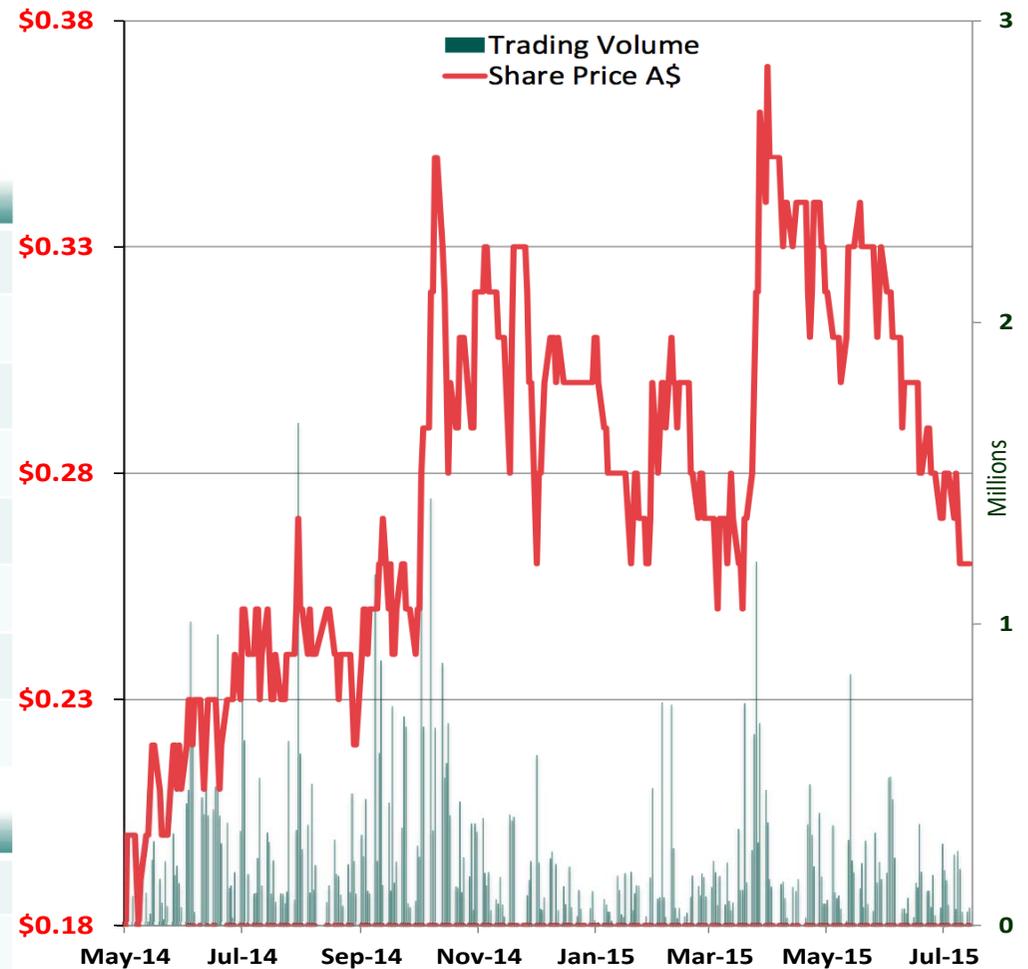
## Board of Directors & Management

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
<b>Top 20 shareholders</b>	<b>61.8 m</b>	<b>44.0</b>

## 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 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	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	1.8	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
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 119.1**

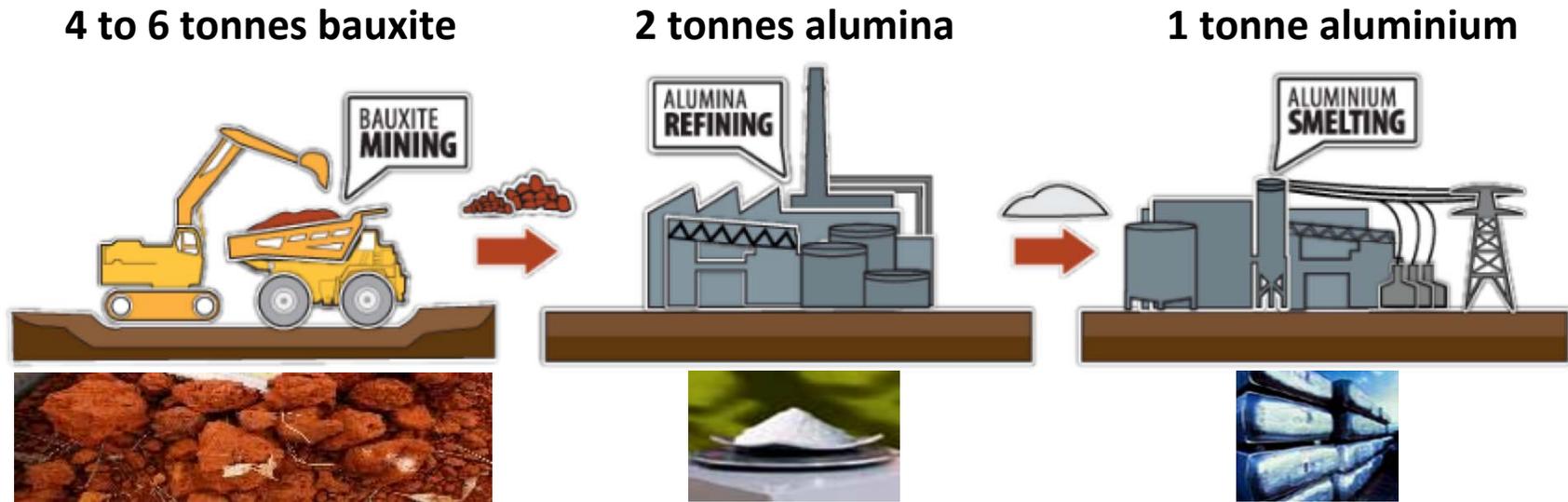
\* PDM is Al<sub>2</sub>O<sub>3</sub> spinel. Al<sub>2</sub>O<sub>3</sub> Avl at 225°C is >35%

**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

# Production process: factors & trends



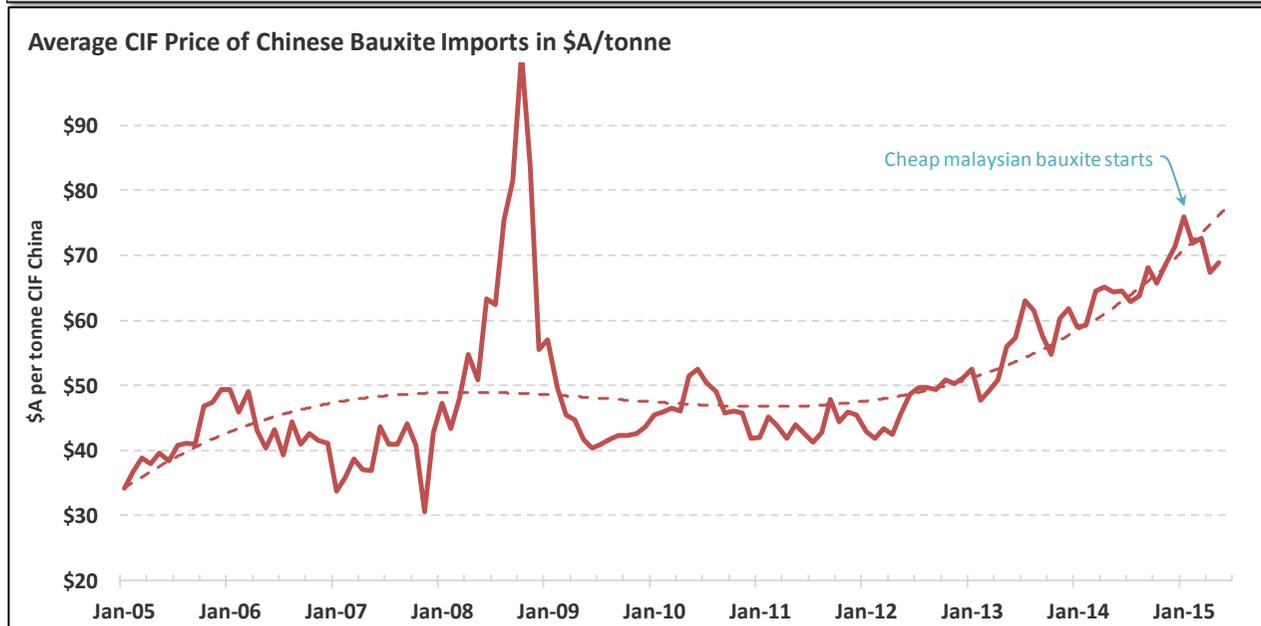
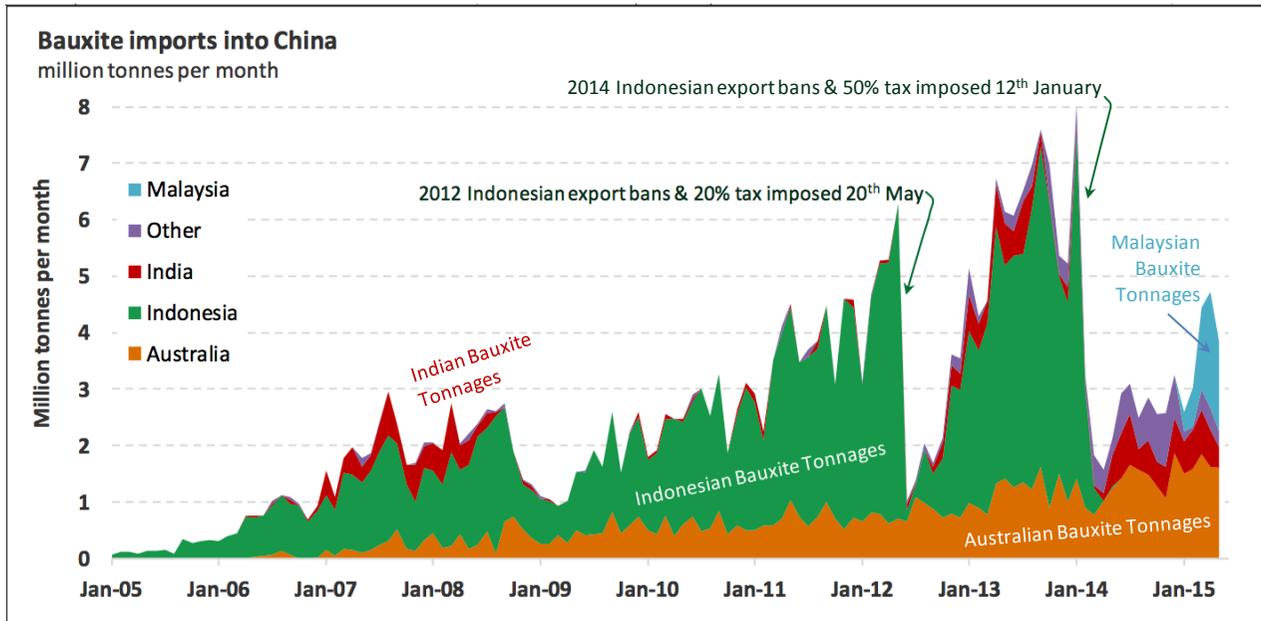
2 bauxite types: hi & low temp  
 Quality declining  
 Tonnages rising  
 Costs increasing  
 Indonesian bans  
 Indian bans  
 Prices increasing

Hi & low temperature refineries  
 Caustic soda main reagent cost  
 Bauxite type, quality & cost  
 Lime, flocculant & heat for calcining  
 Red mud settling & disposal  
 China "over-investment"  
 Alumina prices low for too long?

Electricity costs  
 Alumina costs  
 Alumina softness  
 Operating amperage  
 China "over-investment"  
 NEW TECHNOLOGY

# Bauxite Prices Rising Strongly in A\$

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



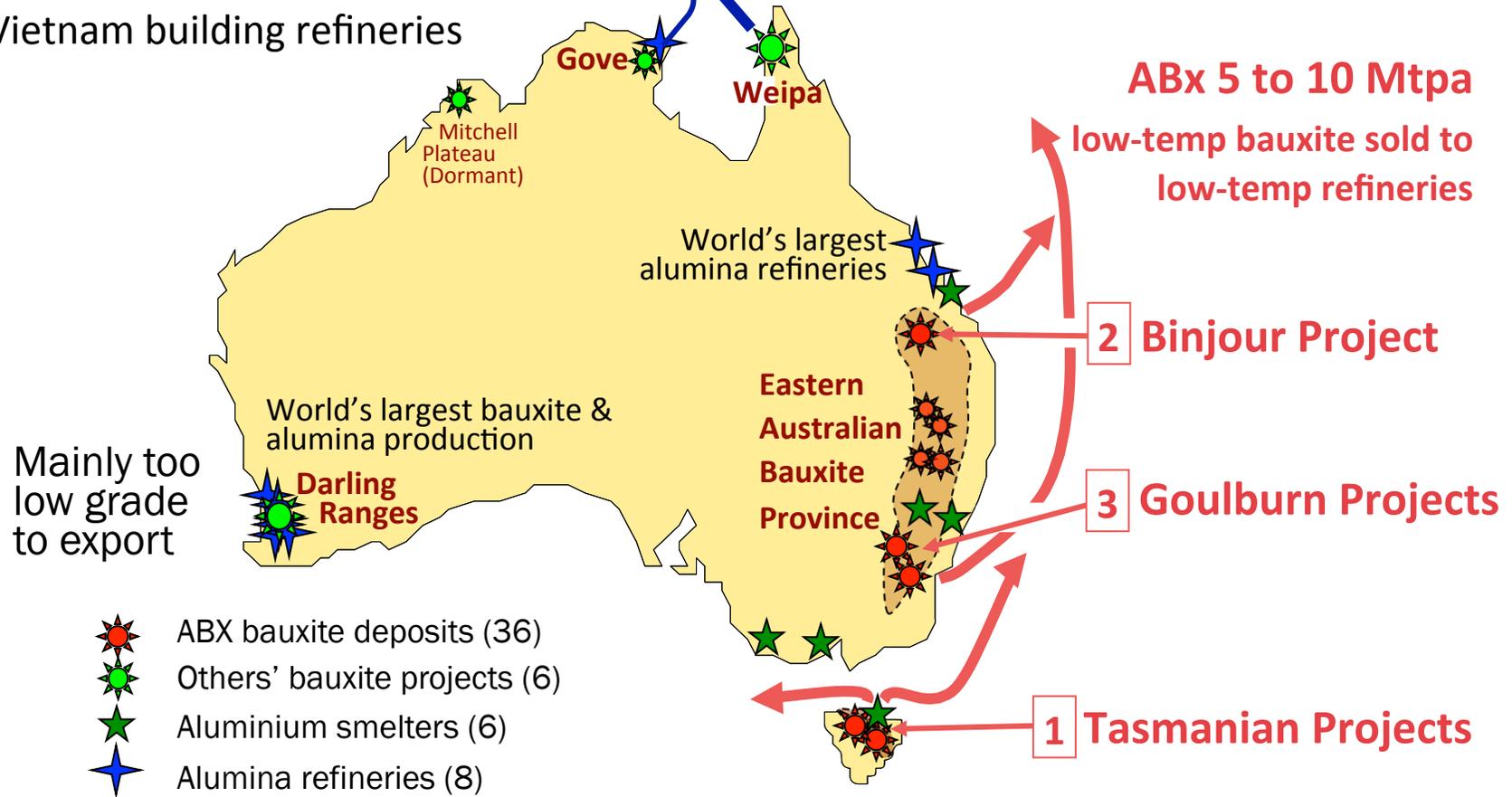
**ABX's  
OPPORTUNITY  
IS NOW**

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

# 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

## ABx Investment Highlights

- ✓ 1<sup>st</sup> Mine at Bald Hill, Tasmania. **100% public & govt support**
- ✓ All **capital completed** except for \$500,000 road upgrade
- ✓ Experienced contractors **Mine, Rail & Port operators**
- ✓ Project started 9<sup>th</sup> Dec'14. **Cash flow within 8 months**
- ✓ Quality bauxite projects, close to infrastructure, with no socio-economic impediments. **DL-130 & Rubble Flat upside**
- ✓ Track record of quality bauxite discoveries. **Technology**
- ✓ All is gibbsite trihydrate low silica bauxite: **Most in demand**
- ✓ Customer selected and engaged: **Supportive**
- ✓ Exploration and development potential in:
  - **Tasmania (first mines): 9 million tonnes and increasing**
  - **Queensland (largest projects): 30 million tonnes and increasing**
  - **New South Wales Sth (thickest bauxite): 40 million tonnes**

# Capital & Operating Costs



Simple bench mining



Simple dry-screening



TasRail to Bell Bay Port

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> Shiploader has been hired	<del>[\$7.5 m]</del>
<b>Opex Excl. Contingency</b>	<b>A\$/t FOB</b>
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>



Bulk shipping all year round

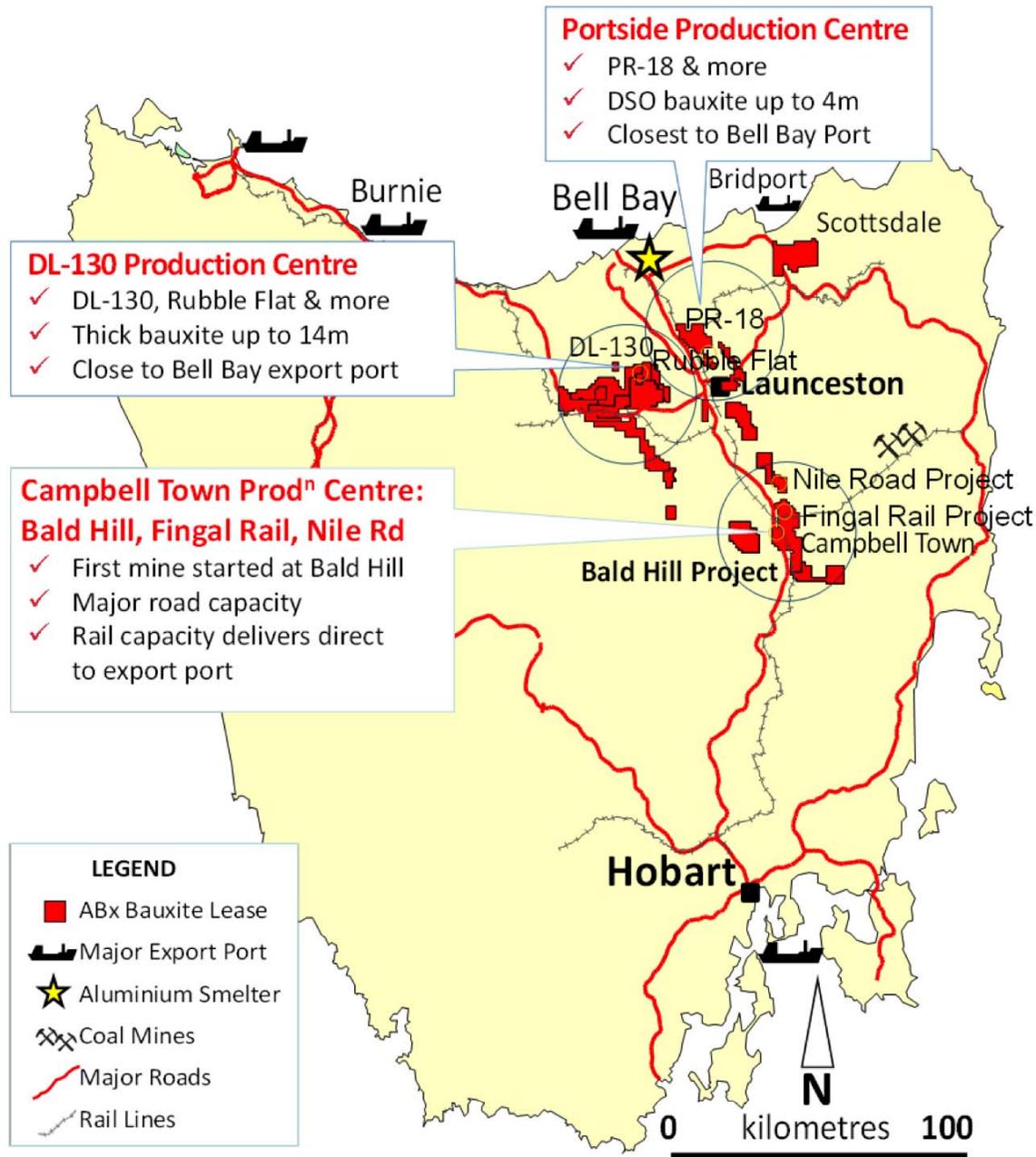


Mobile shiploader is now hired

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

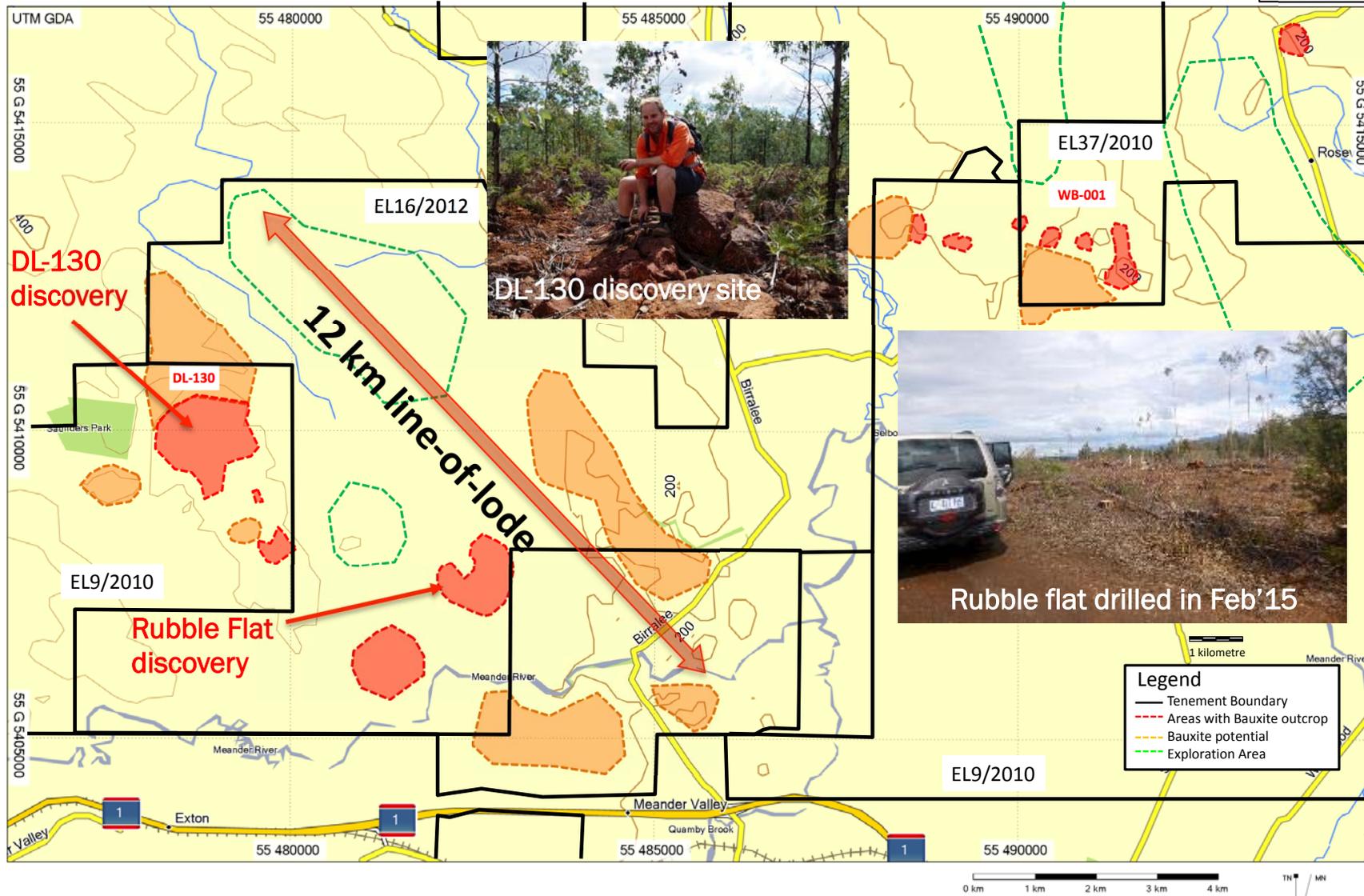
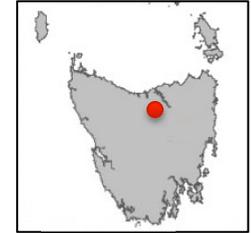
**Indian Bx = US\$58/t  
CIF China**

# Production Centres & Infrastructure in Tasmania



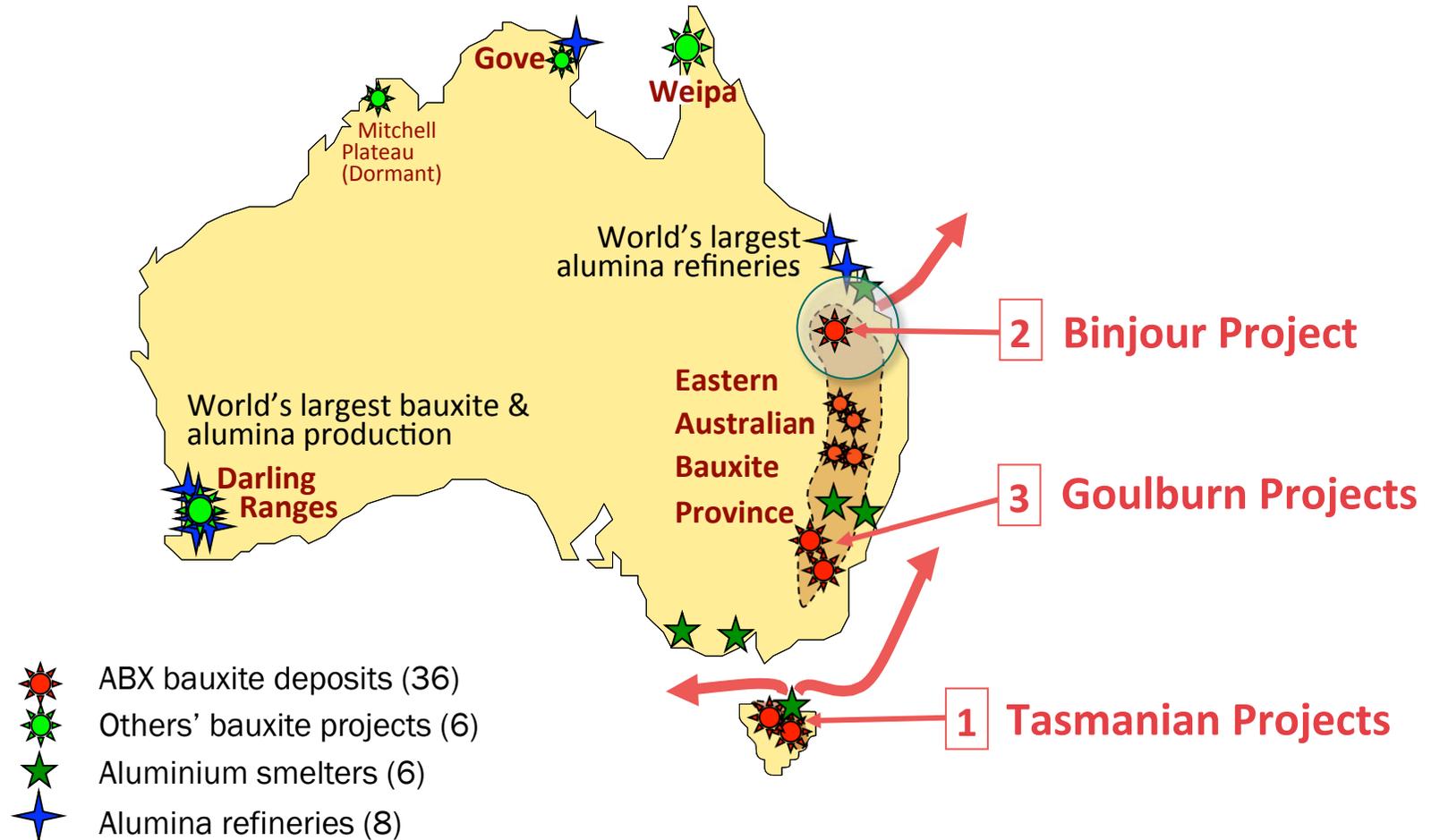
# 2<sup>nd</sup> Production Centre at DL-130

Thickest high-grade bauxite in Tasmania, up to 14 metres thick



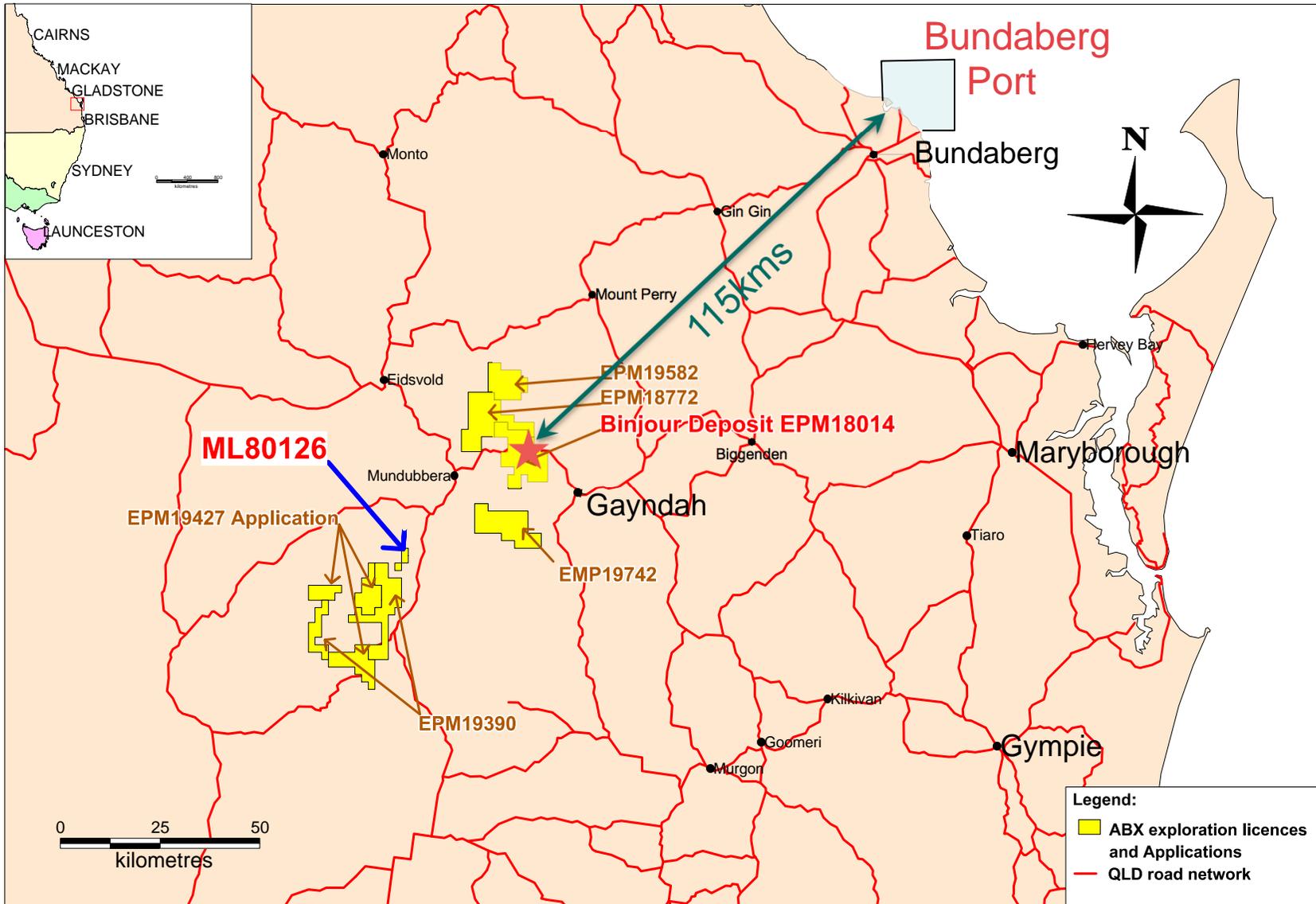


# ABx's Largest Bauxite Project: Binjour, Central QLD



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

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



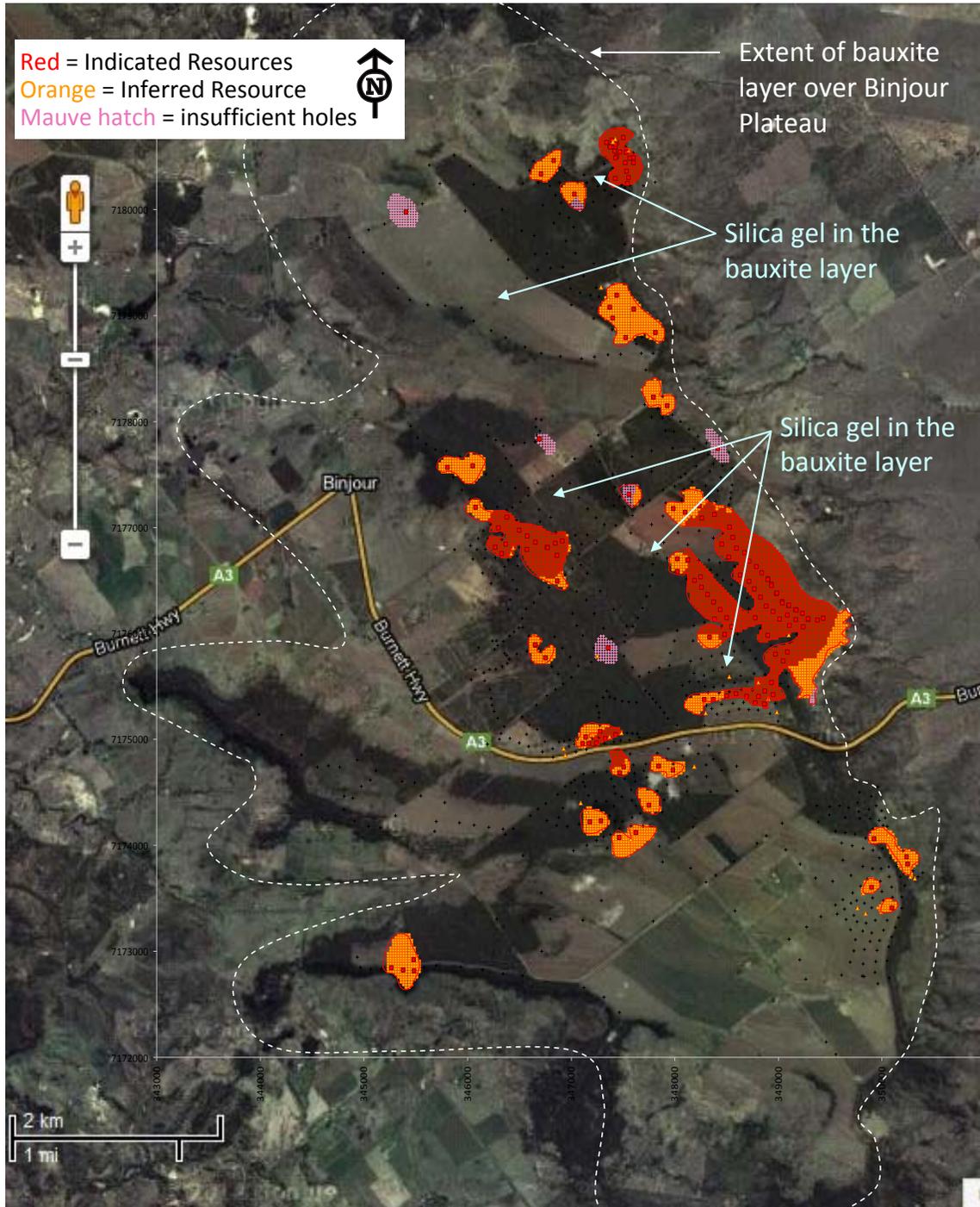
# Binjour Bauxite Project, Queensland

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



High productivity trucks ~350-500t





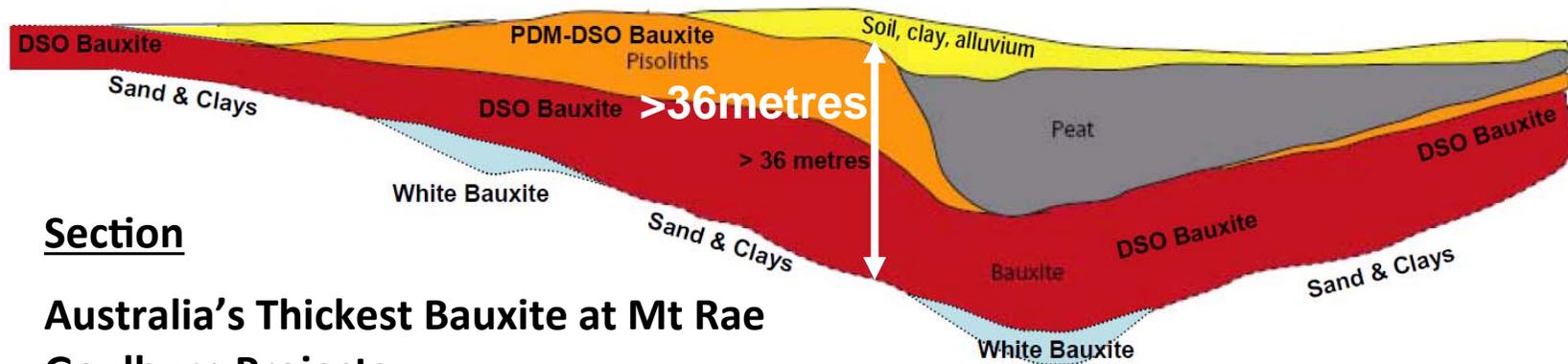
# Binjour Bauxite Project

## Resources & Potential



## OUR BAUXITE: Low temperature type

- 119 Mill tonnes JORC Resource +200Mt target
- Surface, easy mined, thickest bauxite in Australia
- Low-temperature, gibbsite bauxite, low silica, 42% Al<sub>2</sub>O<sub>3</sub> 3% SiO<sub>2</sub> 10% moisture



### Section

Australia's Thickest Bauxite at Mt Rae  
Goulburn Projects