



ASX : ABZ

## ASX ANNOUNCEMENT

2 April 2012

### CEO Presentation at 20-20 Investors Series

In accordance with the requirements of Listing Rule 3.1 we submit the attached material being presented today at the 20-20 Investors Series being held in Sydney.

Mr Ian Levy, CEO is making the presentation.

### For further information please contact

Investor Relations, Henry Kinstlinger

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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 8,250 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 84 million tonnes.** At the company's first drilling prospect in Inverell, northern NSW, an interim resource of 36 million tonnes<sup>1</sup> has been reported from drilling 15% to 20% of the area prospective for bauxite and a resource of 25 million tonnes<sup>2</sup> of bauxite has been reported at the Taralga project in southern NSW. 6 million tonnes maiden resource was declared at Guyra<sup>3</sup>. A 16.8 million tonnes<sup>4</sup> maiden 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 Statement

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> 02/09/2010 ASX Inverell JORC Resource Update, 36 Million Tonnes

<sup>2</sup> 12/05/2011 ASX Taralga Bauxite Resource Doubled to 25 Million Tonnes

<sup>3</sup> 15/08/2011 ASX Maiden Guyra Resource, 6 Million Tonnes

<sup>4</sup> 12/10/2011 ASX Binjour Maiden Resource, 17 Million Tonnes

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# AUSTRALIAN BAUXITE LIMITED

2 April 2012  
20:20 Investor Series, Sydney

## Developing East Coast Bauxite Projects

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

**ASX Code “ABZ”**

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## Market Fundamentals: New Industry Structure



### New Smelting Technology: Lower electrical costs

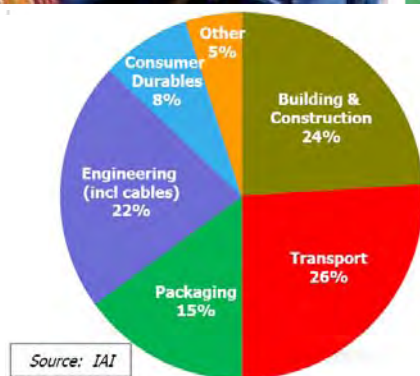
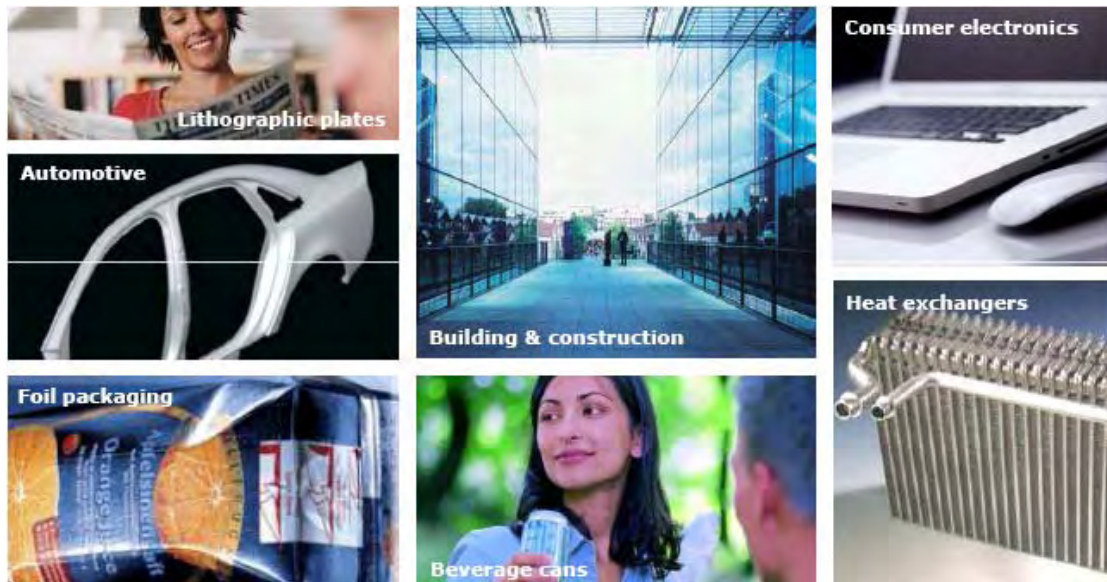
- = lower costs for all new smelters = hi profits in Chinese smelters
- = de-integration of industry as old, vertically integrated smelters close
- = more demand for seaborne bauxite into China's huge refineries
- = Australian Bauxite is well positioned

Figure: Alumina Limited



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**Aluminium market**  
**45% construction**  
**45% consumption**

**Bauxite growing strongest**

Figure: Hydro



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## Aluminium Industry Reforms

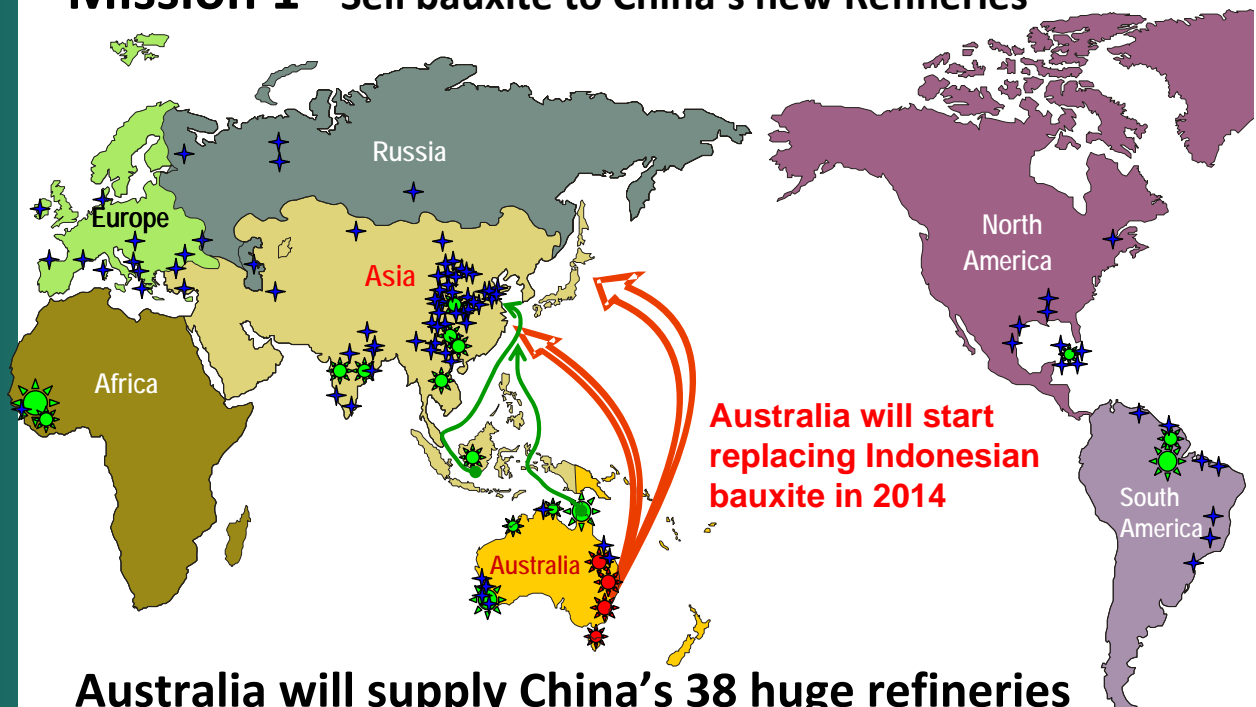
**New Smelting Technology = Cheaper Aluminium = Industry Reform**

- Lo-cost new smelters Mid East & China: Hi Profit even at low Al prices
- Europe, Nth American & Australian Smelters must modernise or close
- No more vertical integration : new independent bauxite miners
- Chinese smelters have cheap on-site coal-power & hydro power
- Chinese alumina refiners have cheapest caustic soda for refining bauxite
- Chinese bauxite is difficult – deteriorating faster than expected
- China imports +50 million tonnes of bauxite (mainly lo-temp, gibbsite)
- China turning to Australia: Indonesian supply to reduce: Happening EARLY

**BAUXITE SUPPLY IS THE CRITICAL ISSUE**



## Mission 1 Sell bauxite to China's new Refineries



- ★ 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.



Photo from Hydro presentation

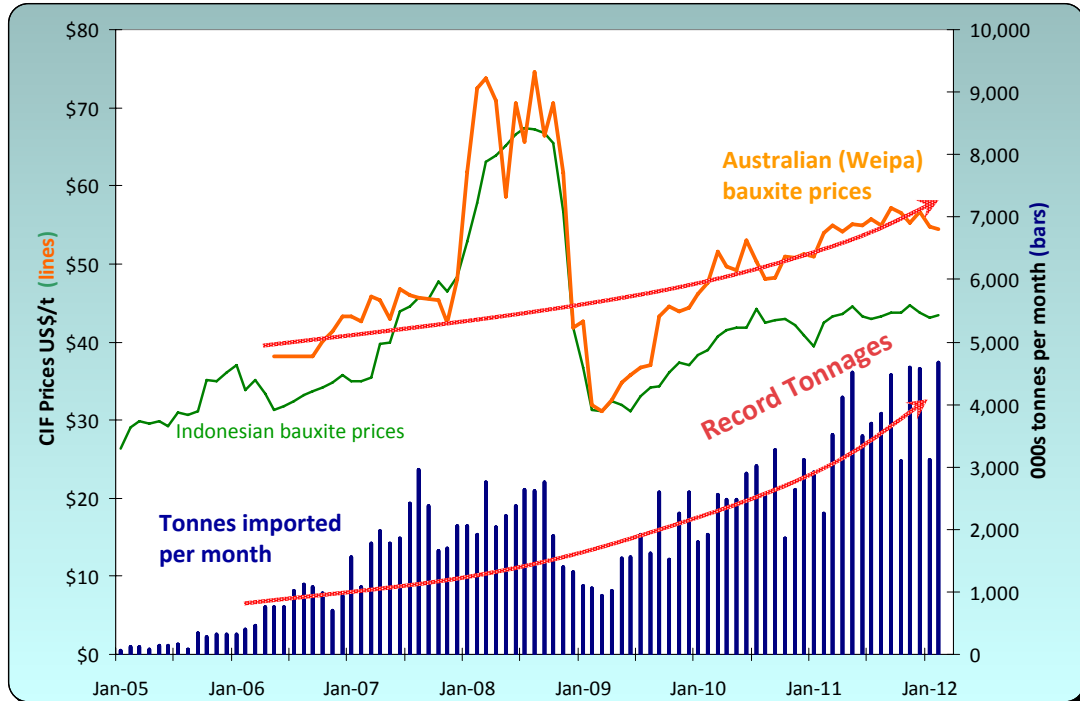


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# China Bauxite Imports & Prices Growing **Rapidly**



**China's Imports Rising Strongly to + 50Mtpa. Indonesian supply is "doubtful" after 2014  
AUSTRALIA'S OPPORTUNITY IS NOW !**

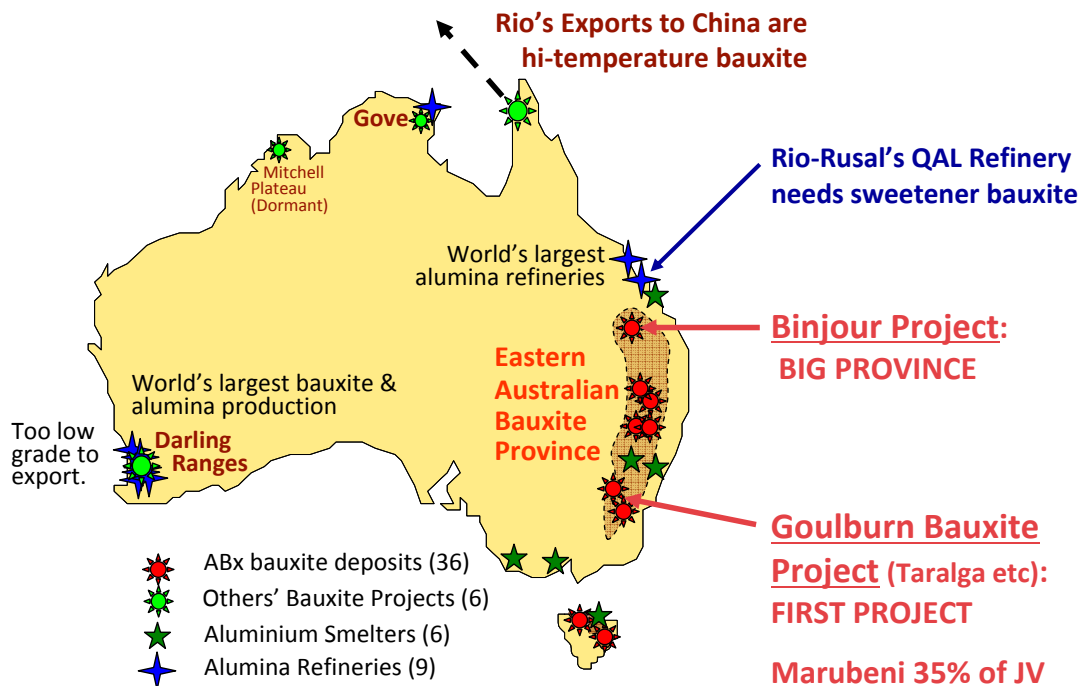
Sources: C&M, MBC & China Customs



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## Mission 2 Sell bauxite to Australia's large Al - Industry



**Rio will export high temperature bauxite to China.  
ABx will supply sweetener, low temperature bauxite**



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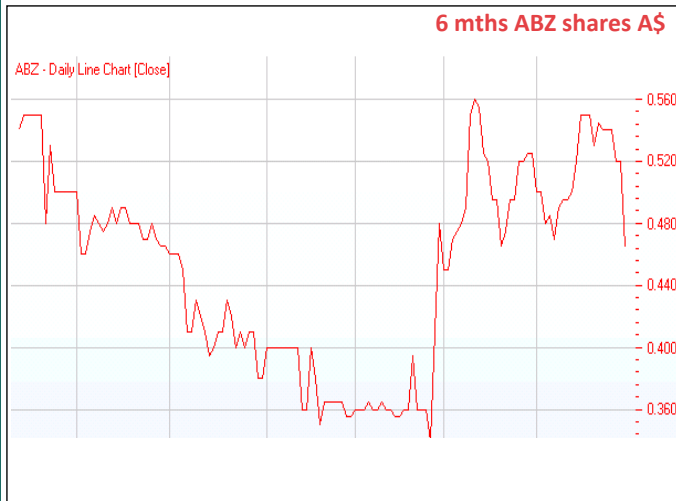
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## Corporate Details

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

Shares	100.6 million
Options	10.3 million
Market Cap (\$0.50)	\$50.3 million
Cash (31 Dec)	\$3.8 million = 1.2yr budget
Share range	\$0.30 to \$0.84
Avg Daily Volume	132,000

Major Shareholders	Shares	%
Hudson Resources	45.6 million	45.3%
State One Capital	7.4 million	7.4%
Soul Pattinson	1.9 million	1.9%
Top 20 Holders	77.7 million	77.2%



### Board of Directors

John Dawkins	Non-executive Chairman
Peter Meers	Exec & Vice Chairman
Ian Levy	CEO & Managing Director
Jacob Rebek **	Executive Director
Vincent Tan	Non-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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## Business Overview

- 2 Projects at Pre-development stage
- 36 tenements 8,300 km<sup>2</sup> in QLD, NSW & Tas
- 3,800 drillholes totalling 33,500 metres
- Exploration Target 200Mt to 300Mt (big)
- Bauxite typically low silica, gibbsite bauxite
- No restrictions on bauxite exports
- Peers blocked by socio-environment
- Cash at 31 Dec'11 = A\$3.8 million
- Annual expenditure = A\$3.3 million: Increasing

**PFS due soon**

**100% owned**

**Drilling fast**

**84Mt already <sup>1</sup>**

**Premium**

**Can export**

**Many projects**

**1 yr funded**

1. See JORC Statement & Exploration Target Statement Slides

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## Indicative Milestones Ahead

- Reach 100 million tonnes JORC Resources In progress <sup>1</sup>

### GOULBURN BAUXITE PROJECT

- Announce Pre Feasibility Study results Apr-May 2012
- Taralga Resource Upgrade (Thick Zone Discovered) April 2012
- Mining Lease Application Process Commenced Feb-Apr 2012
- Decision to Proceed to Bankable Feasibility? Mid 2012

### BINJOUR

- Binjour Resource Upgrade Apr-May 2012
- Commence Pre Feasibility Studies 2013 ?

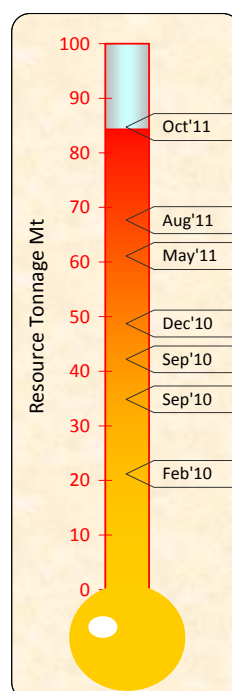
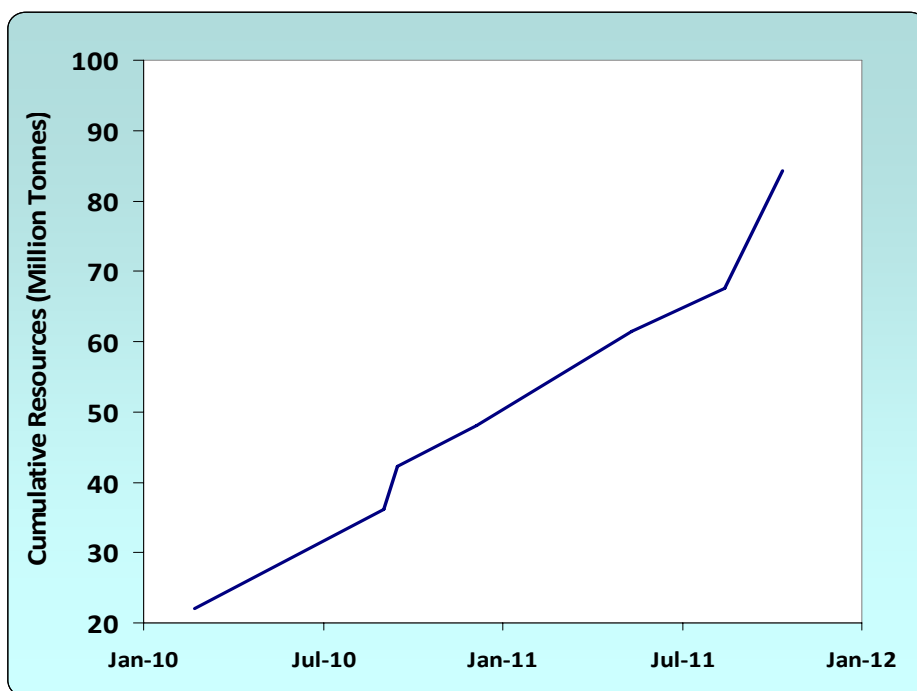
1. See JORC Statement & Exploration Target Statement Slides

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## JORC Resources are Growing Strongly <sup>1</sup>



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

All deposits drilled to date produce premium quality DSO export bauxite

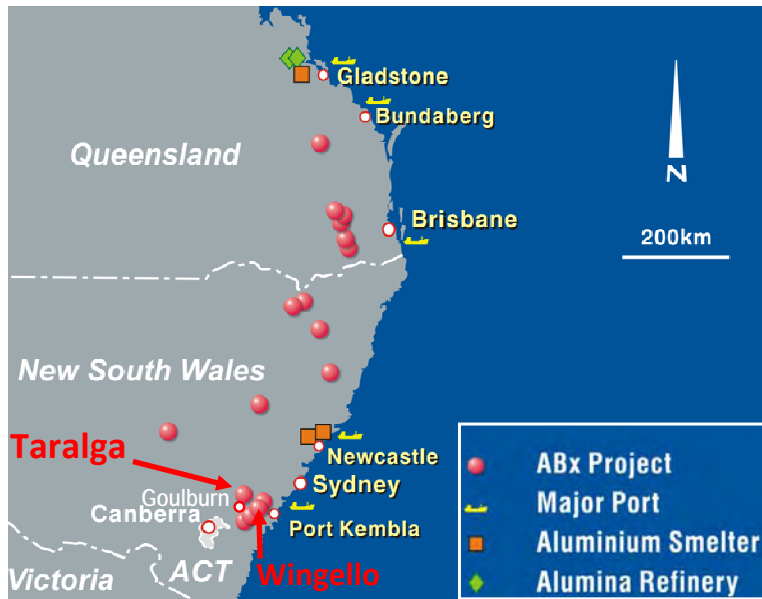
1. See JORC Statement Slides

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# Taralga Resources Doubled to 25m tonnes<sup>1</sup>



## Near Port Kembla

- 140km rail to Port
- Goulburn Bauxite Project Prefeasibility Study due soon

- Metallurgical results **better than expected**

### DSO Hi Grade:

+ 40%  $\text{Al}_2\text{O}_3$   
- 2.5%  $\text{SiO}_2$

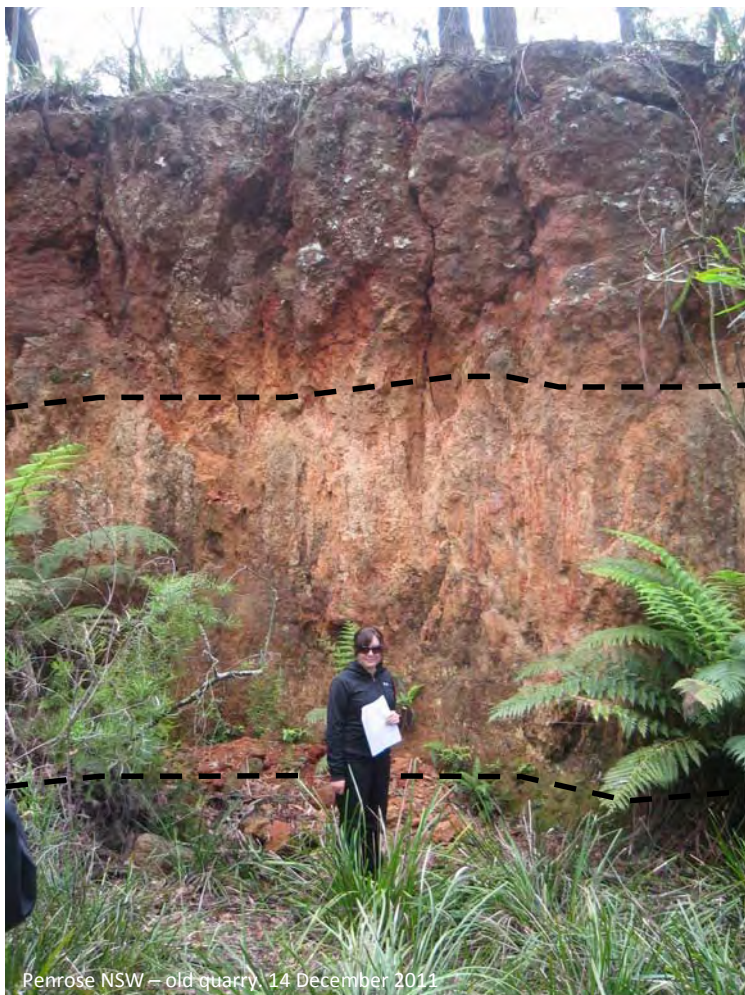
- Goulburn Bauxite JV with Marubeni: PFS due soon
- New +30m thick bauxite zones discovered

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1. See JORC Statement Slides



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## BAUXITES OF SOUTHERN NSW

2 to 3 m layer of “PDM-DSO Bx” or emery-bearing pisolithic bauxite.

Comprises 15% to 30% of 5 to 50mm pisoliths of “PDM” which are nodules of dense fused alumina & maghemite-hematite dust in low-density, high quality DSO bauxite.

2 to 4 m layer of DSO bauxite.

Gibbsite plus moderate levels of iron minerals, mainly hematite and limonite (little or no goethite).

Needs no processing – direct shipping bauxite (“DSO”) – see Definitions.

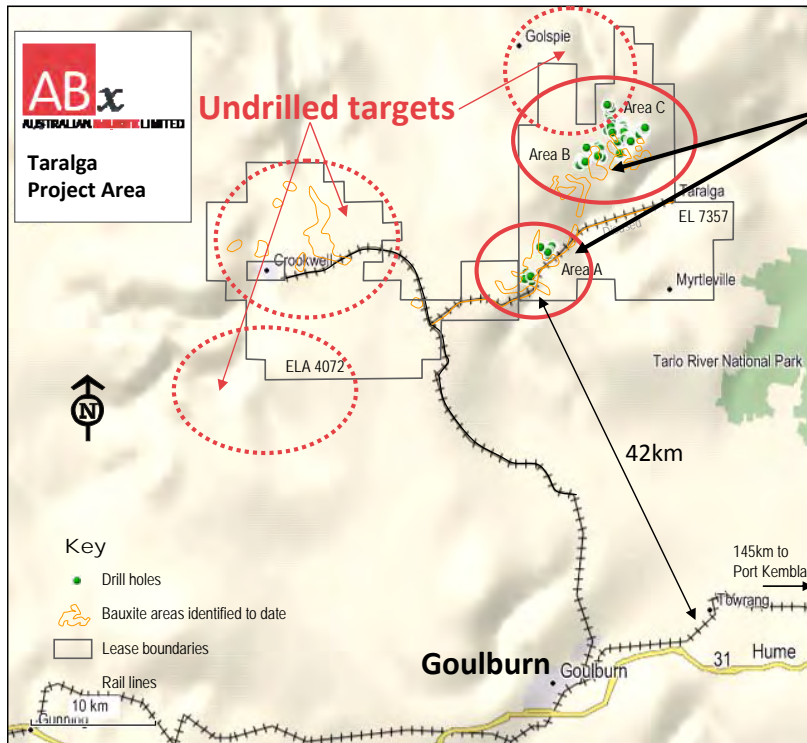
1 to 3m layer of white bauxite in places.

Gibbsite plus low iron (3% to 8%  $\text{Fe}_2\text{O}_3$ ). May be refractory grade bauxite.

TERTIARY QUARTZ SAND OR CLAY BELOW



# Taralga 25m tonnes<sup>1</sup> & growing. Near Port



**25Mt announced  
12 May 2011**

New resource  
extensions found in  
2 new Leases

Metallurgical testwork  
**completed**

**DSO-grade is produced  
from ALL bauxite types**

**White bauxite found  
below main bauxite  
zone (refractory grade?)**

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1. See JORC Statement Slides



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## Port Kembla: major port capacity

**Several Ports are  
competing for bauxite  
business**



**Old Copper Smelter**

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## Landholder Relations – the key task



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## Rapidly Growing Resource Base & Discoveries



**Binjour** : 16.8 million tonnes  
**high grade** bauxite <sup>1</sup>  
**+30Mt target** <sup>1</sup>

**Inverell** : 35 million tonnes <sup>1</sup>  
**& Guyra** 6 million tonnes <sup>1</sup>  
**+50Mt target** <sup>1</sup>

**Taralga** : 25 million tonnes <sup>1</sup>  
**+40Mt target** <sup>1</sup>

**Tasmania** : **Good bauxite**

**Total Resources: 84Mt** <sup>1</sup>

<sup>1</sup>. See Exploration Target Statement  
& JORC Statement slides

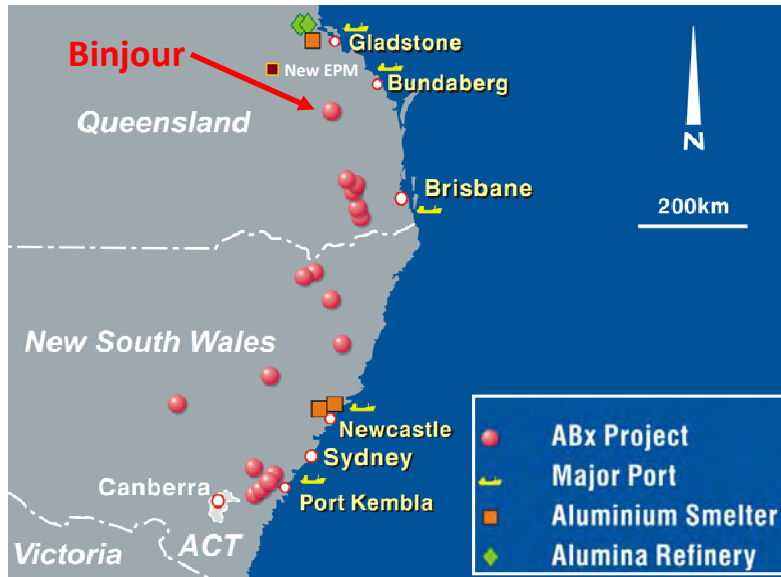
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## Excellent bauxite results at Binjour



**16.8 Million Tonnes<sup>1</sup>**  
**Maiden JORC Resource**

High Grade 44%  $\text{Al}_2\text{O}_3$   
Gibbsite 3.5%  $\text{SiO}_2$

Easy production  
Government-industry study  
of rail & port upgrade

**DRILLING NOW TO  
EXPAND RESOURCE**

1. See JORC Statement Slides

Bauxite Resources				Sieved at 0.26mm										
Resource category	Tonnes millions	Thick-ness	Over-burden	$\text{Al}_2\text{O}_3$ Avl %	Rx $\text{SiO}_2$ %	Avl/Rx Ratio	$\text{Al}_2\text{O}_3$ %	$\text{SiO}_2$ %	A/S Ratio	$\text{Fe}_2\text{O}_3$ %	$\text{TiO}_2$ %	LOI %	Yield %	
Inferred	6.8	3.7 m	8.1 m	37.7	3.7	10.3	43.4	4.1	10.5	24.2	3.6	24.1	61%	
Indicated	10.0	5.3 m	10.6 m	39.9	2.7	14.9	44.7	3.0	14.8	22.8	3.8	25.0	60%	
<b>TOTAL</b>	<b>16.8 Mt</b>	<b>4.5 m</b>	<b>9.3 m</b>	<b>39.0</b>	<b>3.1</b>	<b>12.7</b>	<b>44.2</b>	<b>3.5</b>	<b>12.7</b>	<b>23.4</b>	<b>3.7</b>	<b>24.6</b>	<b>61%</b>	

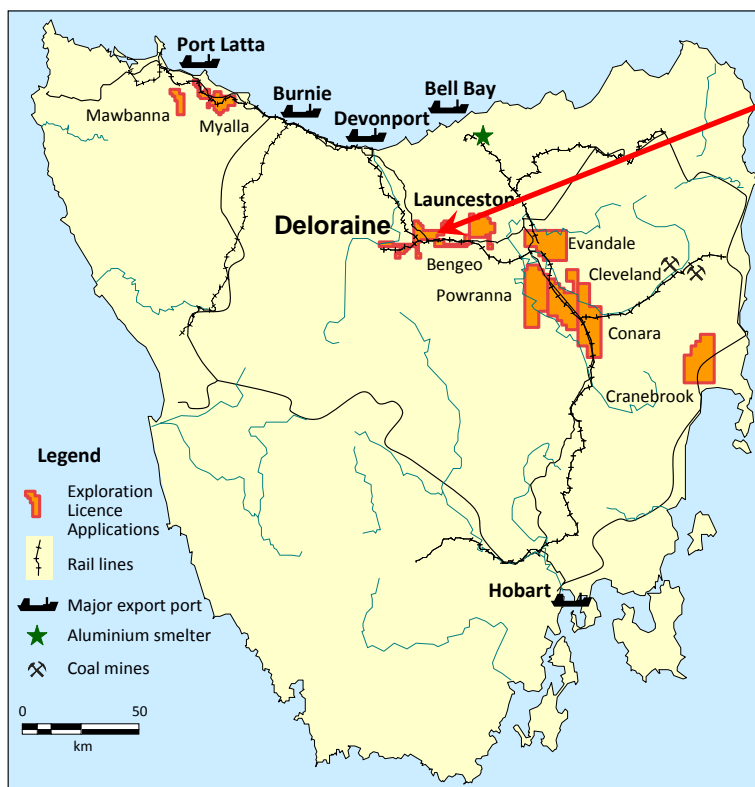
Leach conditions to measure available  $\text{Al}_2\text{O}_3$  avl & reactive Rx  $\text{SiO}_2$  were 1g leached in 10ml of 90gpl NaOH at 143 degrees C for 30 mins. "Avl/Rx" ratio is (Available  $\text{Al}_2\text{O}_3$ )/(Reactive  $\text{SiO}_2$ ). "A/S" ratio is (Total  $\text{Al}_2\text{O}_3$ )/(Total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



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## Tasmania – the New Frontier.



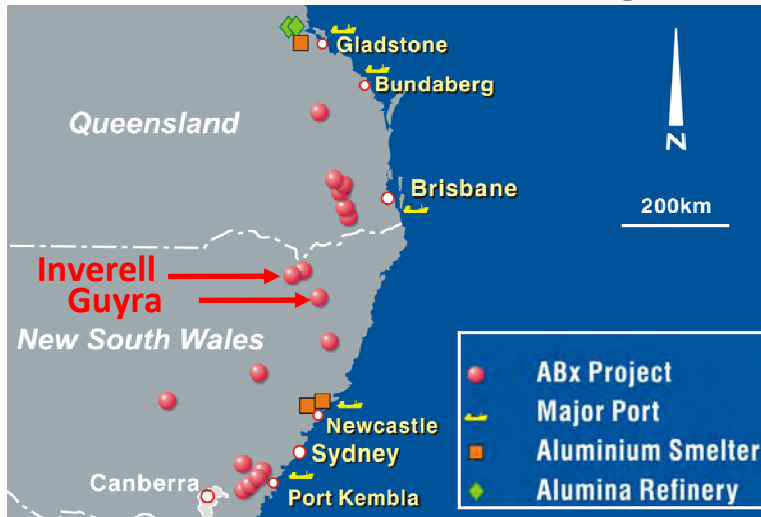
- Near rail and ports
- Farmland – mainly grazing
- Landholder support
- New leases secure deposits



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# Inverell 35m tonnes<sup>1</sup> & growing. Large Deposits



- Consistent 5.6m thick
- Less than 20% tested yet
- **Nearby Pindaroi & Guyra have thick bauxite too.**

1. See JORC Statement Slides



Resource category	Tonnes Millions	Yield% at 0.26mm	Avl Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> Rx %	Avl/Srx 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 %
Inferred	11.7	60-70%	38.7	4.4	9.3	38.9	5.6	7.3	26.9	4.3	22.2
Indicated	24.2	65-75%	35.6	4.2	9.1	34.7	5.3	6.8	25.1	4.0	21.1
<b>Total</b>	<b>35.9</b>	<b>60-75%</b>	<b>36.6</b>	<b>4.2</b>	<b>9.2</b>	<b>37.1</b>	<b>5.4</b>	<b>6.9</b>	<b>25.7</b>	<b>4.1</b>	<b>21.4</b>

Leach conditions to measure available Al<sub>2</sub>O<sub>3</sub> & reactive SiO<sub>2</sub> were 1g leached in 10ml of 90gpl NaOH at 143 degrees C for 30 mins.

"Avl/Srx" ratio is (Available Al<sub>2</sub>O<sub>3</sub>)/(Reactive SiO<sub>2</sub>).

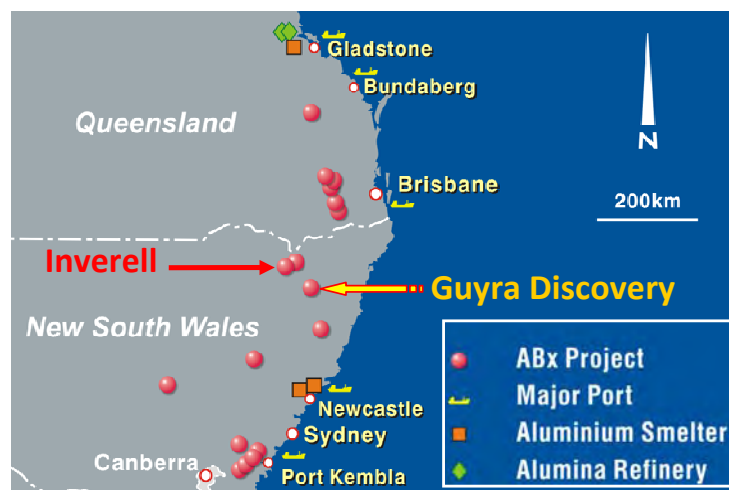
"A/S" ratio is (Total Al<sub>2</sub>O<sub>3</sub>)/(Total SiO<sub>2</sub>).



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# Guyra "Brown Sugar" Bauxite Discovery



## 6Mt Maiden Resource<sup>1</sup>

- **HIGH GRADE BAUXITE**
- Consistent 4 to 6m thick
- Less than 10% tested yet
- **NEXT TO RAIL LINE**

## Maiden JORC Resource

1. See JORC Statement Slides

Resource category	Tonnes millions	Thick-ness	Over-burden	Sieved at 0.26mm								Yield %
				Al <sub>2</sub> O <sub>3</sub> Avl %	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> %	
Inferred	2.3	4.2 m	3.4 m	35.0	2.8	<b>12.5</b>	41.4	3.6	<b>11.6</b>	26.2	3.3	56%
Indicated	3.8	5.9 m	4.4 m	37.4	2.0	<b>18.3</b>	43.1	2.6	<b>16.3</b>	27.3	3.9	61%
<b>TOTAL</b>	<b>6.0 Mt</b>	<b>5.3 m</b>	<b>4.0 m</b>	<b>36.5</b>	<b>2.3</b>	<b>15.8</b>	<b>42.5</b>	<b>3.0</b>	<b>14.3</b>	<b>26.9</b>	<b>3.7</b>	<b>59%</b>

Cut-off grades applied: Minimum 30% Al<sub>2</sub>O<sub>3</sub>, 2m thickness, 45% yield. Maximum strip ratio (metres overburden:bauxite) 3:1.

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 degrees C for 30 mins. "Avl/Rx" ratio is (Al<sub>2</sub>O<sub>3</sub> Avl)/(Rx SiO<sub>2</sub>). Values above 10 are excellent. "A/S" ratio is Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub>. Tonnage is for bauxite in-situ. Yield is for screening all samples at 0.26mm. The significant tonnages requiring no upgrade will have 100% yield.

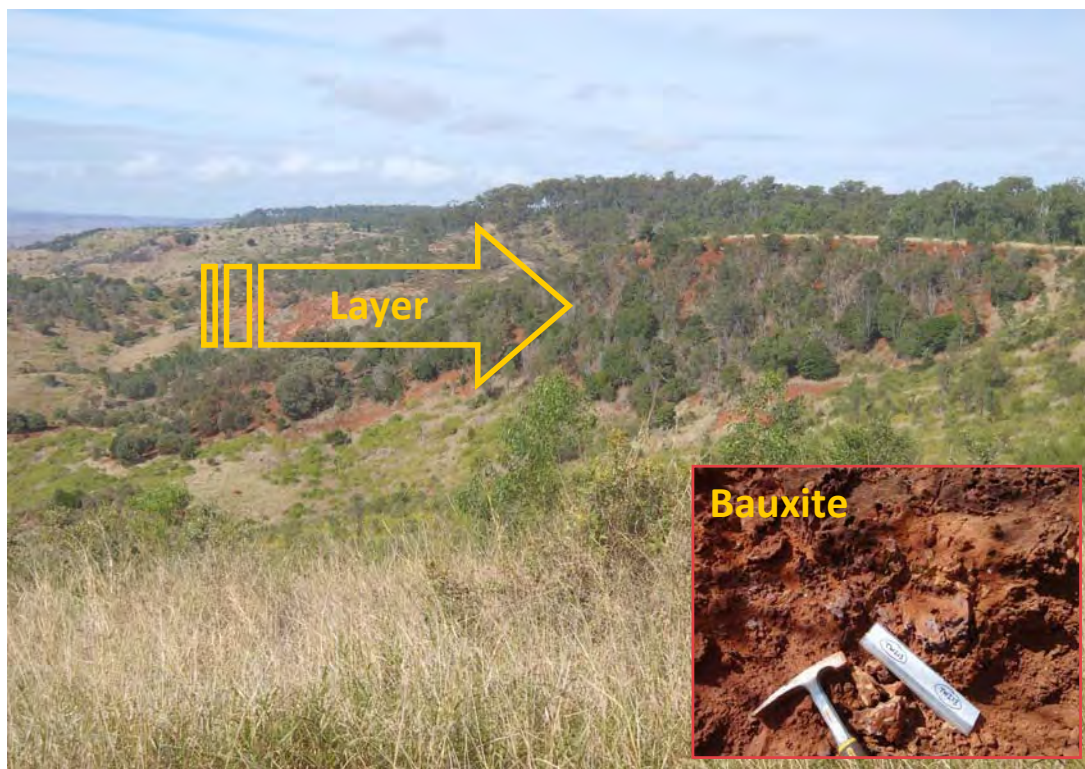


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# Large bauxite plateau at Binjour QLD



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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, Minerals 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>4,5</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 EL 7357 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	12/10/2011	Binjour Maiden JORC Resource
2	15/08/2011	Guyra Maiden JORC Resource
3	12/05/2011	Taralga Bauxite Resource Doubled to 25 Million Tonnes
4	06/12/2010	Taralga JORC Resource Update
5	02/09/2010	Inverell JORC Resource Update

## 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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