

# **BAUXITE RESOURCES LIMITED**

***“Gearing up for growth”***

3<sup>rd</sup> Asian Bauxite & Alumina  
Conference Presentation  
30-31 October 2013  
Peter Canterbury CEO  
Bauxite Resources Ltd

### Forward Looking Statements

These materials include forward looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, or other similar words and may include, without limitation, statements regarding plans, strategies, and objectives of management. Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the company’s actual results, performance and achievements to differ materially from any future results, performance or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management’s good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the company’s business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company’s business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company’s control. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the Company does not undertake any obligation to publicly update or revise any of the forward looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

### Competent Person’s Statement

The information in this report that relates to **Cardea1&2, Juturna, Minerva, Rusina and Vallonia Mineral Resources** is based on information compiled by Peter Senini who is a Member of the Australian Institute of Geoscientists. Mr Senini was an employee of the Company at the time of resource estimation and remains competent person for the above mentioned resources. He has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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 Senini consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to **Felicitas, Cardea3, Aurora, Ceres, Cronus and Fortuna Mineral Resources** is based on information compiled by Graham de la Mare who is a Member of the Australian Institute of Geoscientists. Mr de la Mare is employed by RungePincocKMinarco (RPM). Mr de la Mare has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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 de la Mare consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this announcement that relates to **Exploration results** is based on information compiled by Mark Menzies, who is a member of the Australian Institute of Geoscientists. Mr Menzies is a qualified geologist and a full time employee, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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 Menzies has consented to the inclusion in this announcement of the Exploration Information in the form and context in which it appears.

### JORC Code Compliant Public Reports

The Company advises that this material contains summaries of Exploration Results and Mineral Resources as defined in the 2012 Edition of the ‘Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’ (JORC Code). The following lists the Joint Ore Reserve Code (JORC) compliant Public Reports released to the ASX declaring the JORC resources referred to. These can be viewed on both the ASX and the Company websites, free of charge.

**02/05/2011** Aurora, Rusina: Progress Report - Resource Upgrade. JORC 2004 **21/06/2011** Vallonia, Juturna: Progress Report - Resource Upgrade. JORC 2004 **22/08/2011** Cardea 1&2, Minerva: Resource Upgrade. JORC 2004 **02/11/2011** Cardea3: Resource Upgrade. JORC 2004 **05/06/2012** Felicitas: 73Mt New Bauxite Resource at Felicitas Deposit. JORC 2004 **30/07/2012** Ceres: New Bauxite Resource at Williams Project Western Australia. JORC 2004 **26/10/2012** Cronus: Annual Report to Shareholders. JORC 2004 **02/05/2013** Felicitas: Upgrade of Darling Range Bauxite Resource, Felicitas. JORC 2004 **09/05/2013** Fortuna: 26.8Mt Bauxite Resource at BRL’s Darling Range Fortuna Project. JORC 2004 **28/05/2013** Felicitas: Darling Range Bauxite Total Resources Increases to 243.7Mt, Felicitas JV Resource With Yankuang Increases to 147.9Mt. JORC 2004 **04/09/2013** Fortuna: BRL’s 100% Fortuna Resource increased to 39.5Mt. BRL and partners Darling Range resources in excess of 250Mt. JORC 2012

The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimate in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person’s findings are presented have not materially modified from the original market announcement.

# BRL - Compelling Investment Case

## - Right Timeframe for Right Project

- Market - Bauxite Commodity
- Location – Largest Bauxite/Alumina producing region in world with existing infrastructure and close to mining centre of excellence
- Product – Gibbsite with low reactive silica
- Company – Large tenement area, large resource and well funded
- Infrastructure – Use of existing infrastructure means low capital entry with near term potential
- Resource Size – 327Mt combined BRL and JV partners and still growing



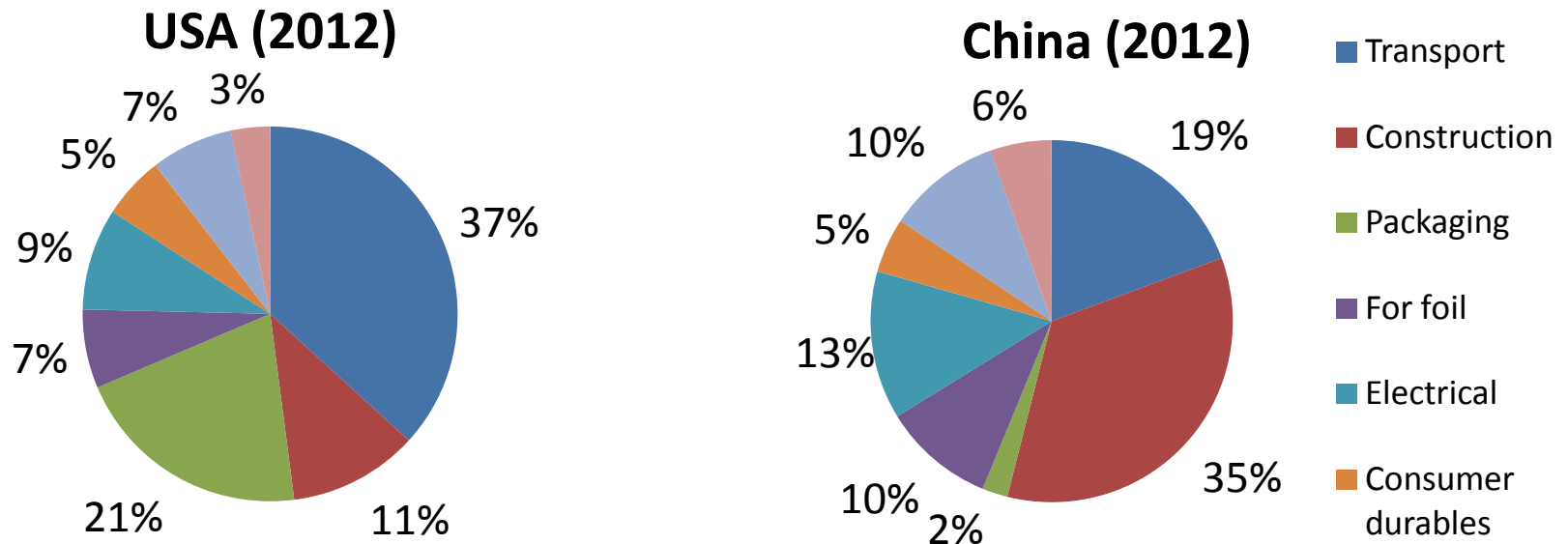
# Bauxite – New Demand driven out of China

## Construction driven

CRU expects primary aluminium consumption to increase by 6.4% pa between 2012 and 2022 and aluminium consumption per capita is set to rise modestly 1.3% pa over the same period. Beyond 2022, China is on track to achieve the highest aluminium consumption per capita in the world, 31.1kg/capita by 2035.

**A comparison between the USA (developed) and China (emerging) shows the differences in aluminium intensity of use by industrial segment**

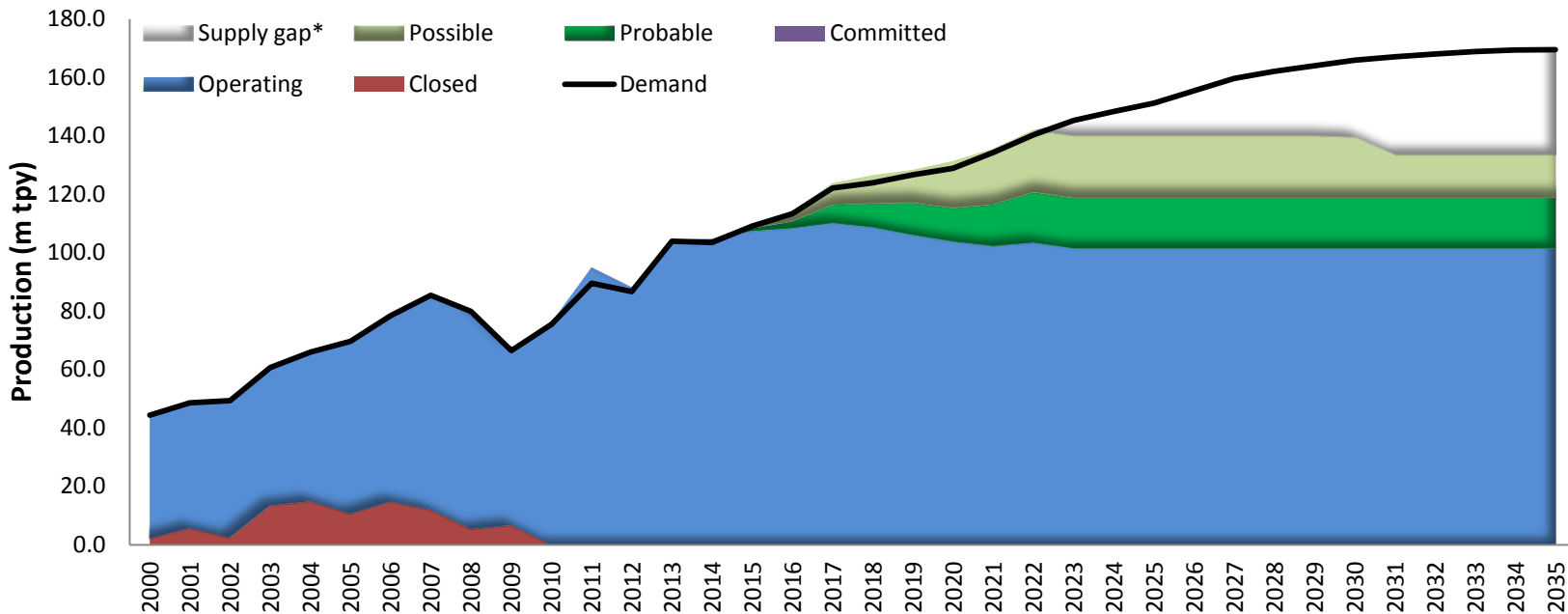
**Apparent consumption of semi-finished aluminium by end-use, 2012**



# Supply not keeping up with Demand - Why

- Lack of investment in Bauxite/Alumina outside China
- Uncertainty in development in India and Indonesia

**Third party bauxite demand and supply, 2000 to 2035**



\*Note: Supply gap will be filled by the possible and speculative project which are expected to come on stream after 2022

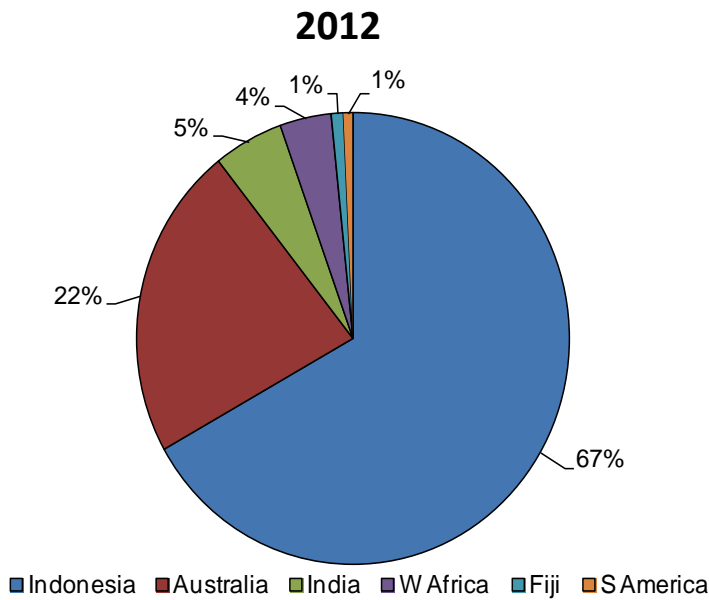
**“A number of new projects need to come on stream to meet the continuously increasing demand in third party bauxite market by 2035”**

# Where will the demand for Bauxite be sourced from?

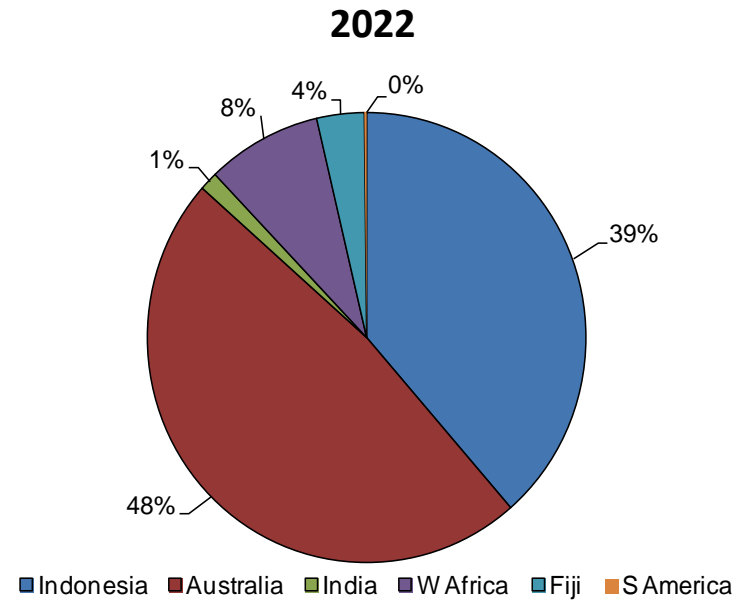
- Indonesian export bans – What will happen?
- Australia the key due to logistics

**“China is expected to source a greater proportion of its bauxite requirements from Australia and West Africa over the next decade”**

**Chinese bauxite imports in 2012 and 2022**

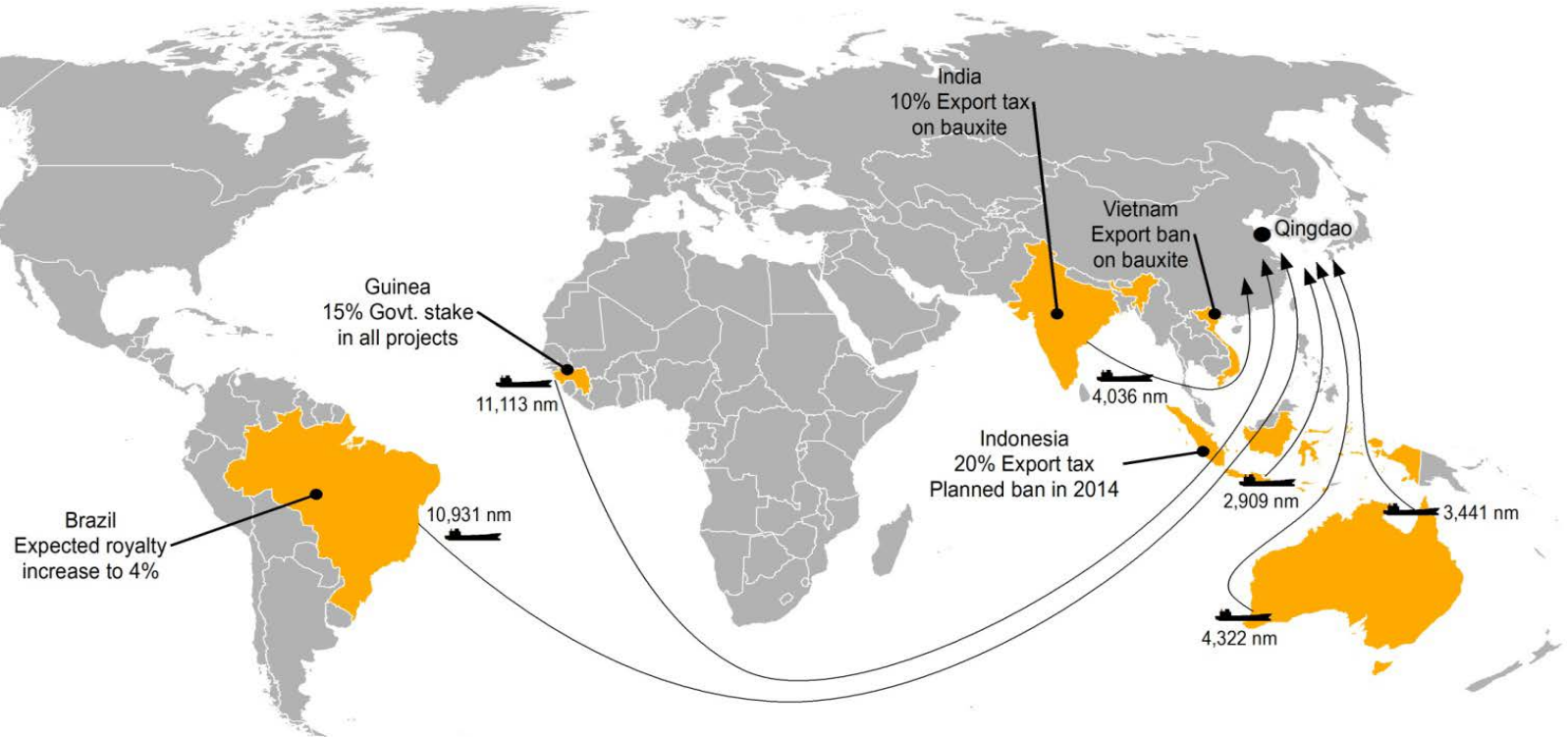


**China import requirement  
38.4m tonnes**



**China import requirement  
84.6m tonnes**

# Australia is the Logical Supply Source



# Bauxite/Alumina/Aluminium – Market Dynamics

- Smelters globally are now concerned about securing long term supplies of bauxite and alumina
- BRL's WA Bauxite is a significant source to satisfying the demand for seaborne bauxite trade
- Low Capital Cost to establish due to existing infrastructure



Bauxite Resources Trial Mine 2009/2010



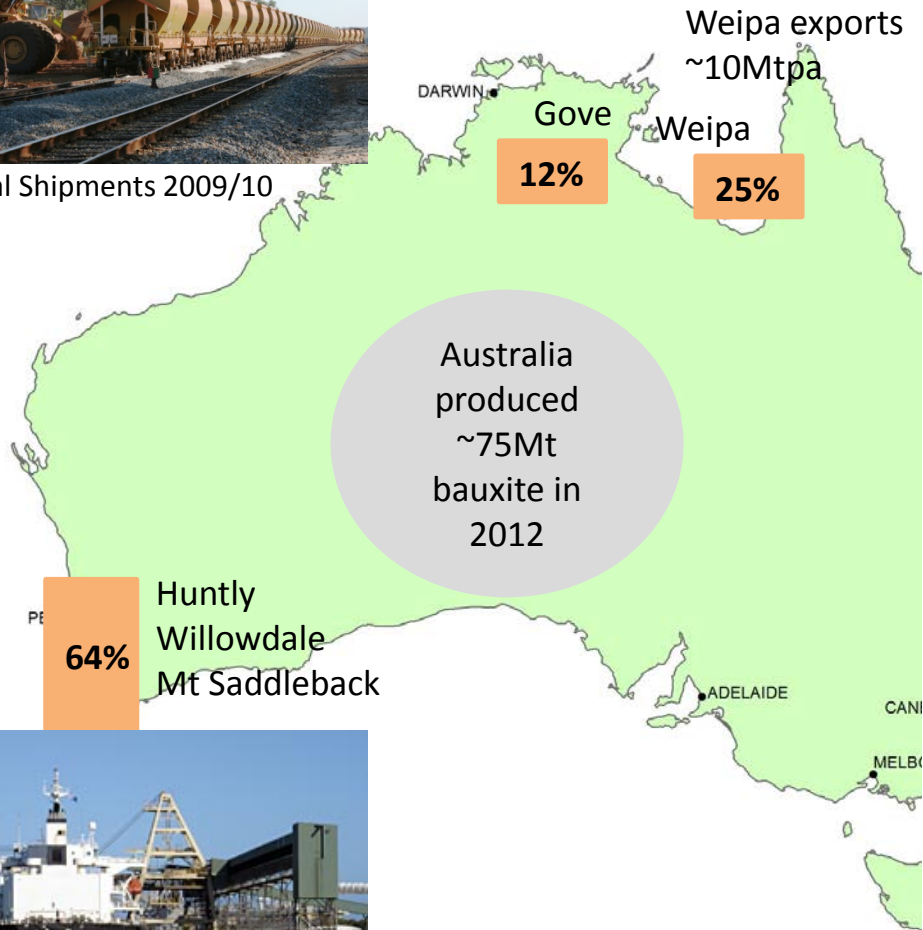
Bauxite Resources Trial Mine Site 2013 –  
rehabilitated and ready for hand back



# Why Darling Range Bauxite?



BRL Trial Shipments 2009/10



BRL Trial Shipments 2009/10

## Western Australia largest bauxite producing region in the world

- Tenure dominated by large, private land holdings (farms) with supportive community
- Unlike other Australian projects BRL bauxite deposits have excellent access to existing standard gauge rail infrastructure (Felicitas 5km and Fortuna 12km away) suitable for transportation of bauxite
- Proximity to ports
- Darling Range bauxite is gibbsitic in nature – extractable by low temperature digestion method or as sweetener to high temp digestion
- Deposits typically shallow, with <2m overburden

# Why BRL's WA Bauxite?

- World's largest producing area for bauxite
- Darling Range bauxite already supports 4 large alumina refineries – 2 in lowest quartile.  
Why?
  - Gibbsite – Low temperature digestion or sweetener to high temp digestion
  - Low reactive silica ~ 2% and alumina to reactive silica ratio >15
- BRL and partner resource Inventory now stands at 327 million tonnes located close to existing standard gauge rail infrastructure
- Large unexplored tenement area with significant potential resource upside
- Low temperature easily extracted Bauxite in world's lowest cost refining environment
- Strong Partners
- Strong Leadership and Management Team
- Well Funded - \$44 million in cash with no Debt
- Close access to mature and skilled workforce and technical resource base

# Company Profile



Stock Code: **BAU**



**ROB NASH**



**LUKE ATKINS**



**NEIL LITHGOW**



**ZHAN QINGWEI**

Ordinary Shares	232m
Market Cap	\$28.2m (30/09/13)
Bank Debt	\$ 0
Current cash	\$43.7m (30/09/13)
Resource	327.2Mt bauxite
Chair	Rob Nash
CEO	Peter Canterbury
Major Shareholders	%
HD Mining & Inv PL	8.4%
Yankuang Res PL	8.4%
Big Fish Nom PL	7.5%
Tailrain PL	7.2%
Dilkara Nom PL	5.2%



**PETER CANTERBURY**



**JOHN SIBLY**

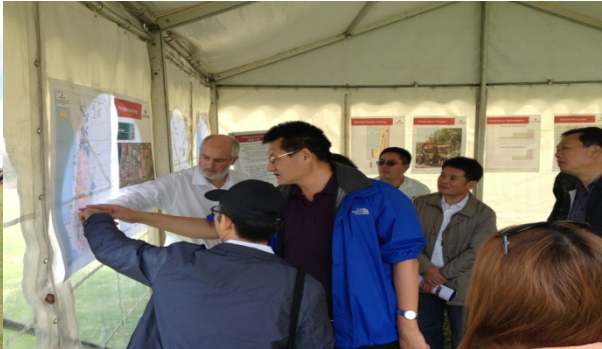


**YANG CHENGHAI**

Board with extensive Bauxite, Alumina, Mining, Geological, Commercial and Legal experience in the bulk commodity industry

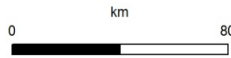
# Established Joint Ventures

- **Bauxite Alumina Joint Venture (BAJV) with Yankuang Resources (YK)**
  - Bauxite and Alumina rights only – bauxite mining and construction of alumina refining capacity
  - YK to fund 70% of all bauxite exploration costs for 70% bauxite resource
  - New Chairman of YK Group visited facilities in Sept 2013 and impressed at results to date.
- **HD Mining & Investments(Shandong # 1 Institute of Geology & Minerals Exploration)**
  - Bauxite rights only - Agreement covers 1,000km<sup>2</sup>
  - HD Mining to fund 100% of exploration and Feasibility Costs(FS)
  - Earn 60% bauxite ownership on completion of a FS and decision to mine
- 288Mt of resources delineated under existing JV arrangements
- BRL solely owned tenements, Fortuna resource – significant exploration targets present attractive investment opportunities (currently 39.5Mt)
- BRL retains non bauxite rights for most tenements under the JV's





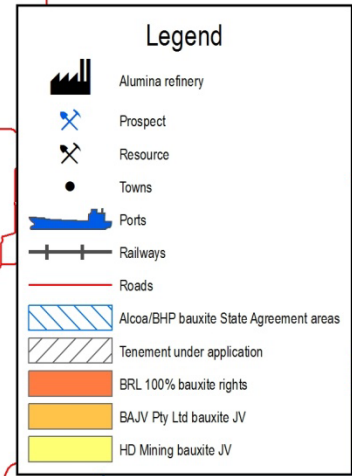
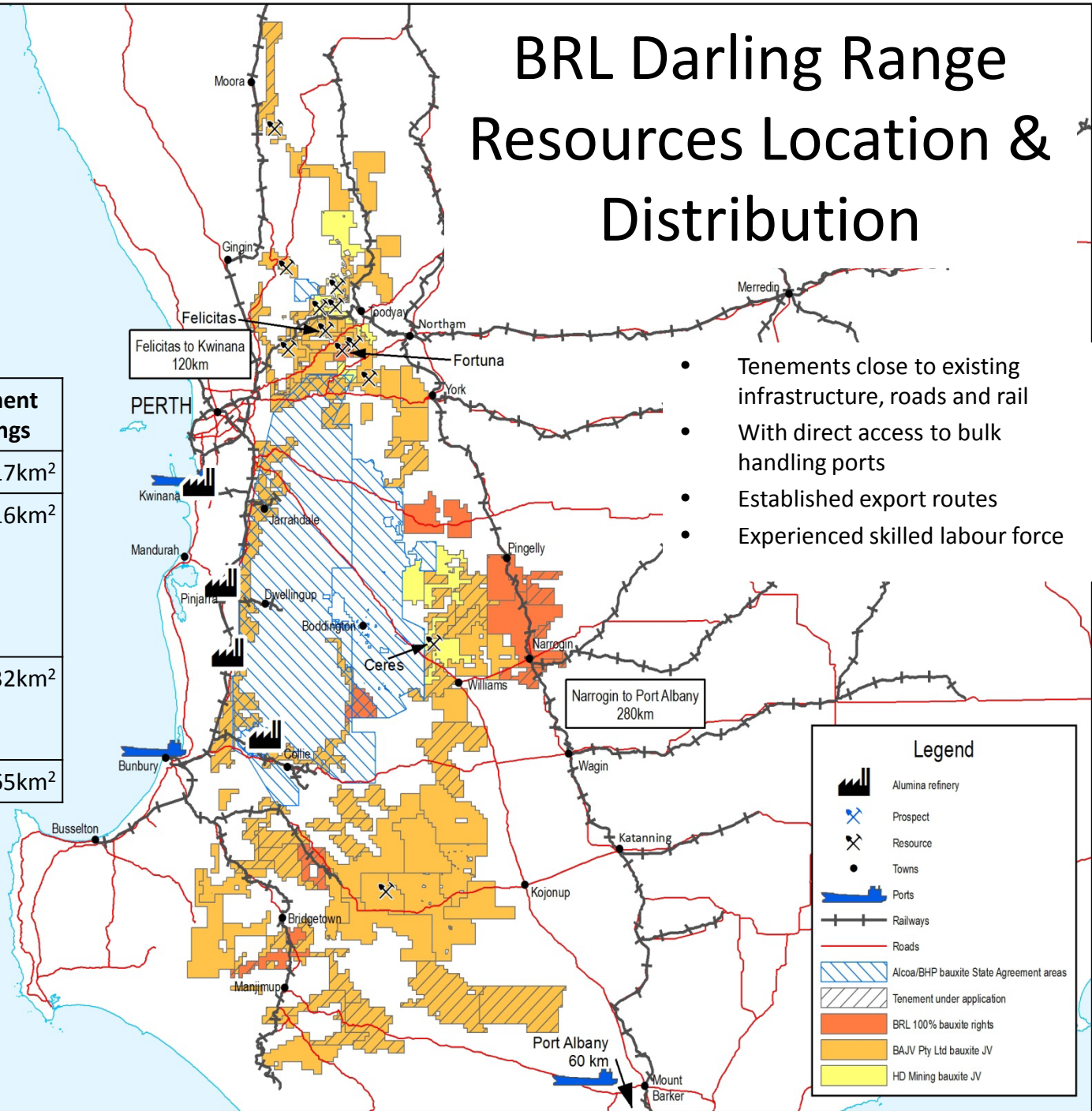
**BAUXITE RESOURCES LIMITED**  
**Darling Range Tenements**  
 October 2013



# BRL Darling Range Resources Location & Distribution

- Tenements close to existing infrastructure, roads and rail
- With direct access to bulk handling ports
- Established export routes
- Experienced skilled labour force

Bauxite Ownership	Resource	Tenement Holdings
Solely BRL	39.5Mt	2,017km <sup>2</sup>
Joint Venture with Bauxite Alumina JV (Yankuang Group)	259Mt	14,016km <sup>2</sup>
Joint Venture with HD Mining & Investments	28.7Mt	1,032km <sup>2</sup>
<b>Total</b>	<b>327.2Mt</b>	<b>17,065km<sup>2</sup></b>



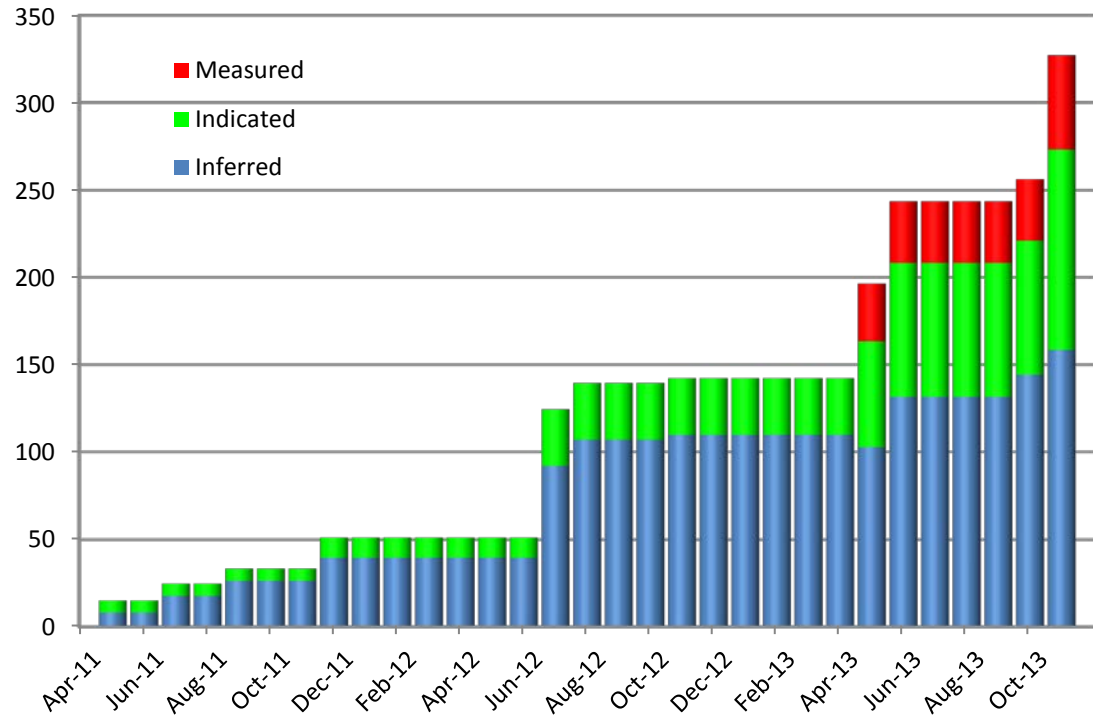
# Resources Summary

Resource Summary	Size Mt	Al <sub>2</sub> O <sub>3</sub> %	Available Al <sub>2</sub> O <sub>3</sub> %	Reactive SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> avail:SiO <sub>2</sub> reactive	Depth of overburden (m)	Max Bauxite Thickness (m)	Bulk Density
<b>BRL 100%</b>								
Fortuna	39.5	37.3	28.8	1.6	18	2	13	2.17
<b>BRL 100% Sub total</b>	<b>39.5</b>	<b>37.3</b>	<b>28.8</b>	<b>1.6</b>				
<b>JV with Bauxite Alumina JV (Yankuang Group)</b>								
Felicitas	218.7	39.1	30.1	1.9	15.8	2	16	2.17
Cardea3 BAJV	10.5	41.2	29.9	3.8	7.9	1	10	1.6*
Minerva	2.2	38.7	28.9	3.9	7.4	3	6	1.6*
Aurora	11.4	42.7	31.9	3.4	9.3	1	5	1.6*
Rusina	3.7	40.3	29.1	5.3	5.5	1	5	1.6*
Juturna	8.2	40.2	29.9	3.9	7.7	3	6	1.6*
Vallonia	1.5	36.6	28.0	3.9	7.2	1	6	1.6*
Cronus	2.8	39.3	28.3	2.8	10.1	2	11	1.6*
<b>BAJV Sub total</b>	<b>259</b>	<b>39.4</b>	<b>30.4</b>	<b>2.2</b>				1.6*
<b>JV with HD Mining &amp; Investments</b>								
Ceres	15.0	40.9	31.7	3.0	10.6	3	7	1.6*
Cardea1&2	6.4	41.8	29.3	4.3	6.8	3	6	1.6*
Cardea3	7.3	41.2	29.9	3.8	7.9	1	10	1.6*
<b>HDM Sub total</b>	<b>28.7</b>	<b>41.0</b>	<b>30.5</b>	<b>3.6</b>				

- Gibbsite ore with low reactive silica ratios to available alumina
- Limited overburden, close to surface, low mining costs
- Only 2.8% of Land holdings drilled

*\* Potential of likely increase subsequent to further core drilling and density determination*

# BRL & Partners Resource Growth



**Current joint bauxite resource of 327.2 million tonnes**

BRL Trial Mining 2009/10



# Bauxite Quality – Refining efficiency is the key

- Current Fortuna/Felicitas combined resource is suitable for low temperature digestion without any beneficiation
  - Total Alumina 39% (~30% Available alumina @ 148C)
  - Reactive Silica 1.9%
  - Gibbsite
  - Mine planning optimisation is likely to see available alumina grade increase
  
- Suitable for sweetening bauxite in high temperature refineries. Benefits:
  - Addition of sweetener improves process performance by
    - Increasing green liquor A/C
    - Increasing yield
    - Energy savings
  - Fortuna / Felicitas bauxite adds value as sweetener due to
    - Low boehmite content gives improved alumina extraction
    - Assists reduction in dissolved  $\text{Fe}_2\text{O}_3$  in liquor thus potential product quality improvements
  
- Value in Use

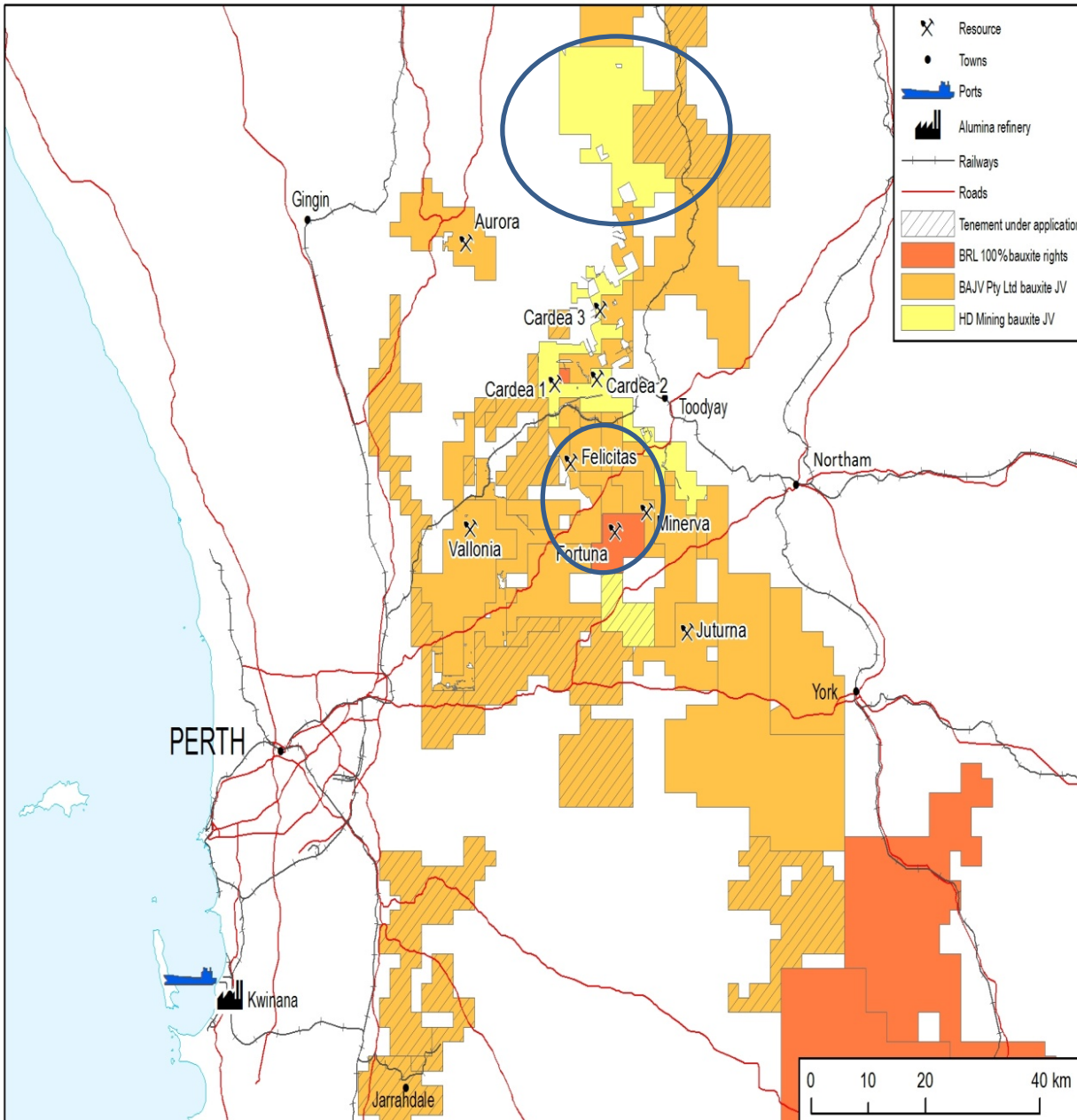


# Upside Potential of BRL

- Unexplored area
  - Northern Darling Range – HD Mining JV land areas north of Felicitas as well as further land within the Felicitas and Fortuna areas
  - Eastern Darling Range – current drilling programmes planned for Williams/Narrogin areas held by BRL100% and HD Mining JV some of which adjoin BHP Billiton State Agreement bauxite areas.
  - Close proximity to existing rail sidings on rail line to Albany port some 280km away



# NORTHERN DARLING RANGE

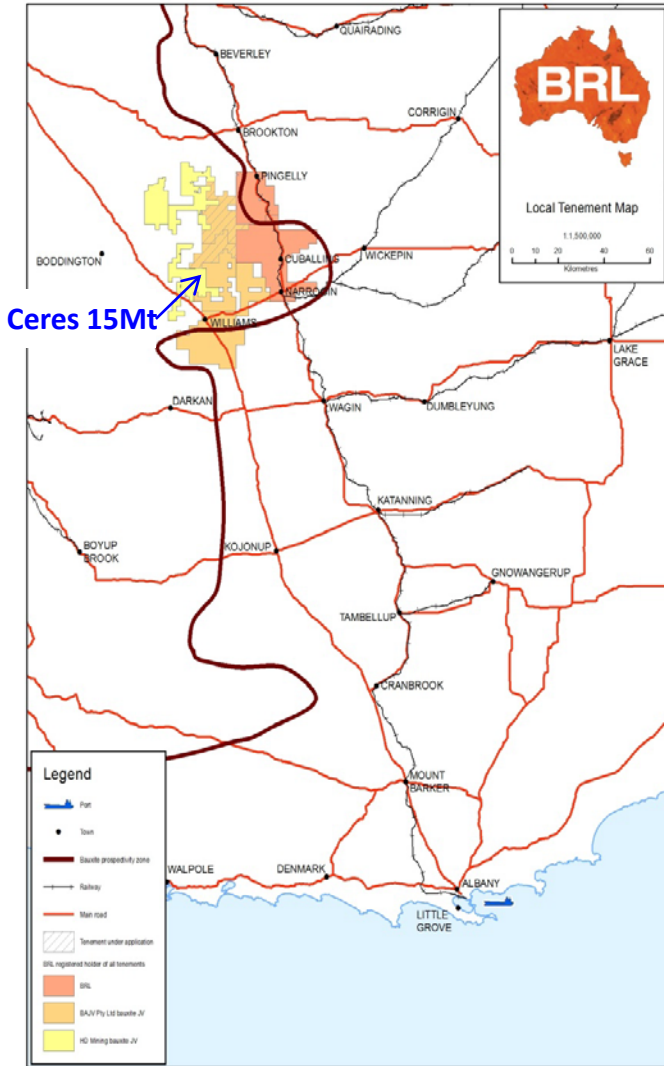


- Existing resource of 258.2Mt (Felicitas & Fortuna)
- Further resource upside supported by:
  - regional surface sampling
  - historic drilling
  - low rainfall
  - favourable topography
- BRL has tenement holding of 2,017 km<sup>2</sup>
- Small number of large properties (farms)

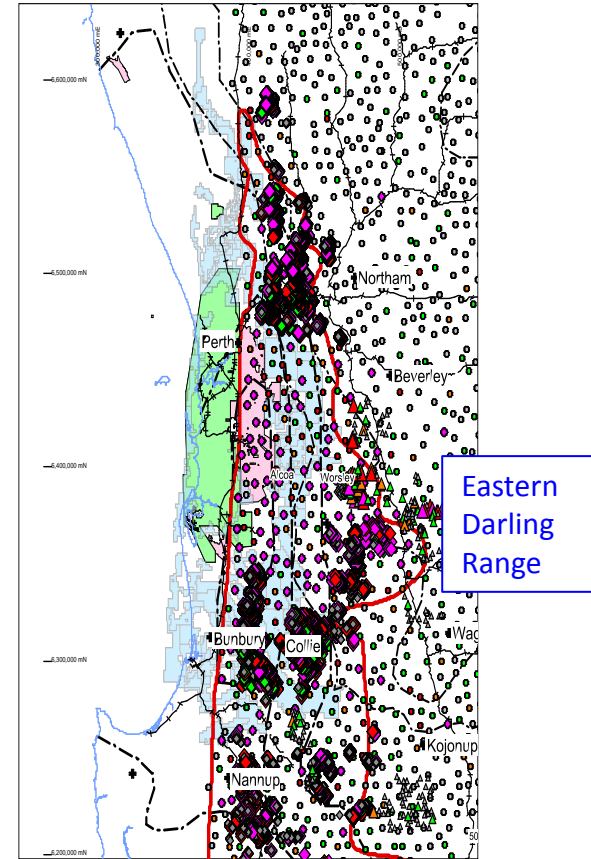


BRL Trial Mining 2009/10

# EASTERN DARLING RANGE



- Existing resource of 15Mt (Ceres)
- Further resource upside supported by:
  - regional surface sampling
  - historic drilling
  - Low rainfall
  - favourable topography
- BRL has tenement holding of 1,494 km<sup>2</sup>
- Small number of large properties (farms)
- Supportive community
- Excellent road and rail infrastructure
- Albany Port 280km from project area



# BRL – Gearing Up for Growth

- Demand for bauxite from Australia
- Large resource of efficient bauxite
- Infrastructure – Use of existing infrastructure means low capital entry with near term potential
- Location – Largest Bauxite/Alumina producing region in world with existing infrastructure and close to mining centre of excellence
- Product – Gibbsite with low reactive silica
- Company – Large tenement area, large resource and well funded

