

# Bauxite Resources Limited (ASX:BAU) Total Bauxite Resources Increased by 53% to 51.2 Million Tonnes

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Sydney, Australia (ABN Newswire) - Perth-based bauxite explorer and developer, Bauxite Resources Limited (ASX:BAU) is pleased to announce a maiden bauxite resource at its Cardea 3 deposit within its northern Darling Range tenement area approximately 20km north west of Toodyay, WA. This maiden resource is contained within both the Bauxite Alumina Joint Ventures ('BAJV') area with Yankuang Resources Ltd ('Yankuang') where the Company holds a 30% beneficial interest in bauxite rights and the Shandong Joint Venture area with Shandong #1 Bureau of Geology & Minerals Exploration ('Shandong') where Shandong can earn up to 60% of bauxite rights upon completion of certain milestones.

BRL currently holds an interest in indicated and inferred bauxite resources of over 51 million tonnes in its northern Darling Range tenements with substantial drilling results yet to be modelled.

Importantly, the new Cardea 3 deposit shows the same characteristics as all of the Darling Range resources. It is a shallow deposit with the dominant mineral being gibbsite. This means that if mined, mining costs would be relatively low and the bauxite produced would require a low temperature and relatively low cost refining process

The Company has now defined a robust JORC compliant geological resource within its Northern Darling Range tenements and intends to continue to build upon this base. It is anticipated that further resource updates will be announced over the next 3-4 months as the Company continues to model the results of completed drilling programs as assay results become available.

## Cardea 3 Deposit Details

A Mineral Resource estimate for the Cardea 3 Bauxite Deposit was completed during October 2011 by Bauxite Alumina Joint Venture personnel. The deposit is located approximately 100km northeast of Perth, Western Australia in the North Darling Ranges region approximately 20km north west of Toodyay. The Cardea 3 resource is a maiden resource and as such is in addition to previous announced resource.

The North Darling Range Project is located on the western edge of the Yilgarn Craton. The project area is dominated by Achaean granite and granite gneiss (commonly laterised) with minor units of metasediment, meta-volcanics and Proterozoic dolerite dykes. The Cardea 3 mineralisation is present at shallow depths within gently undulating laterite profiles that consist of un-mineralised gravel overlying hardcap and bauxite zones. These are underlain by transitional and clay zones. The bauxite zone is characterised by gibbsite and varies from 1m to 8m in thickness.

The Cardea 3 resource extends over two granted exploration tenements E70/3160 and E70/3432. Tenement E70/3160 is subject to a joint venture between BRL and Shandong No.1 Bureau of Geology and Minerals Exploration whilst tenement E70/3432 is within a joint venture between BRL and Yankuang Resources Ltd. The resource lies on private farmland and has been defined by completion of 738 vacuum drill holes. The total resource has a lateral extent of approximately 3.8km N-S and 3.6km E-W with mineralisation extending from surface to a maximum depth of 10m. Drill hole spacing is on a regular 80m by 80m spacing.

The area covering the Cardea 3 resource was originally known as Cardea 3 and Pomona. Recent exploration drilling has confirmed that the bauxite mineralisation is contiguous as a single geological

resource. The company has therefore renamed the two resource areas as Cardea 3.

The Mineral Resource estimate for the Cardea 3 deposit is summarised in Table 2 (see link at the bottom of the release).

Further examination of all known bauxite resources using various cut off grades is planned as part of a larger program aimed at determining the potential economic value of each deposit as either refinery feed or direct export product.

For the complete Bauxite Resources announcement including tables, please view the following link:  
<http://media.abnnewswire.net/media/en/docs/ASX-BAU-565101.pdf>

#### About Bauxite Resources Limited:

Bauxite Resources Limited (ASX:BAU) was launched in May 2006 to establish itself in the bauxite and alumina industries in Western Australia. The Company successfully listed on the Australian Stock Exchange in October 2007 and is the only ASX-listed bauxite explorer in the highly prospective Darling Range.

The Darling Range in south-west Western Australia is one of the most important bauxite and alumina producing regions in the world. This area produces 23% of the world's alumina and the refineries located here are amongst the most cost-efficient due principally to the quality of the Darling Range bauxite.

Bauxite Resources entered into Joint Ventures with Yankuang Group in April 2011 providing significant investment opportunities for mining and alumina refining in Western Australia.

These progressive joint ventures, Bauxite Alumina Joint Ventures embrace the opportunity to develop a sustainable, long term business asset that provides opportunities for the Western Australian community.

#### Source:

Bauxite Resources Limited

#### Contact:

Scott Donaldson  
CEO  
Bauxite Resources Ltd  
Tel: +61-8-9200-6301

Paul Fromson  
CFO  
Bauxite Resources Ltd  
Tel: +61-8-9200-6302

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