

## **AMMG'S PARTICIPATION AT DIGGERS & DEALERS 2012**

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Australia Minerals and Mining Group Ltd (**ASX:AKA**) ("AMMG or "the Company") is participating in the upcoming annual Diggers & Dealers Conference this August 6 – 8 at the Kalgoorlie Goldfields Arts Centre.

The Company's corporate presentation is attached, which will be available at AMMG's booth.

Diggers & Dealers is Australia's premier international annual mining conference, attracting over 2,300 delegates from private investors, fund managers, independent brokers and financial specialists interested in investing in the natural resources sector. For more information about the conference, visit [www.diggersndealers.com.au](http://www.diggersndealers.com.au)

We cordially invite delegates to meet the AMMG team at the conference.

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| <b>Date</b>                | August 6 – 8, 2012                                    |
| <b>Venue</b>               | Goldfields Art Centre, Cheetham Street,<br>Kalgoorlie |
| <b>AMMG's Booth Number</b> | 66                                                    |

**For more information on Australia Minerals and Mining Group please see below or contact:**

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**AUSTRALIA MINERALS  
& MINING GROUP LTD**

# Diggers & Dealers

Kalgoorlie

August 2012



[www.ammg.com.au](http://www.ammg.com.au)

ASX: AKA  
Options: AKAOA

# Disclaimer

Certain statements made during or in connection with this communication, including, without limitation, those concerning the economic outlook for the exploration industry, expectations regarding commodity prices, production, cash costs and other operating results, growth prospects and the outlook of Australia Minerals and Mining Group Limited's (AMMG) operations; contain or comprise certain forward-looking statements regarding AMMG's exploration operations, economic performance and financial condition.

Although AMMG believes that the expectations reflected in such forward-looking statements are reasonable, no assurance can be given that such expectations will prove to have been correct. Accordingly, results could differ materially from those set out in the forward-looking statements as a result of, among other factors, changes in economic and market conditions, success of business and operating initiatives, changes in the regulatory environment and other government actions, fluctuations in commodity prices and exchange rates and business and operational risk management. AMMG undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events.

The Chinese version of this document translated by AMMG has been prepared with the utmost care. However, AMMG does not accept any liability for the correctness and completeness of the content of the translation and the direct or indirect consequences of acting or failing to act based on this translation. In all cases, the English document shall take precedence.

## Competent Person Statement

Technical information in this report is based on information compiled by Mr Michael O'Mara, B. App. Sc. (Geol.), AMMG Chief Geologist and a member of the Australian Institute of Geoscientists (AIG). Mr O'Mara has sufficient exploration experience which is relevant to the styles of mineralisation and types of deposit under consideration 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, Mineral Resources and Ore Reserves' ("JORC 2004"). Mr O'Mara consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.



**First phase RC drilling at  
Southdown Extension iron ore project,  
Western Australia**

# Corporate Snapshot

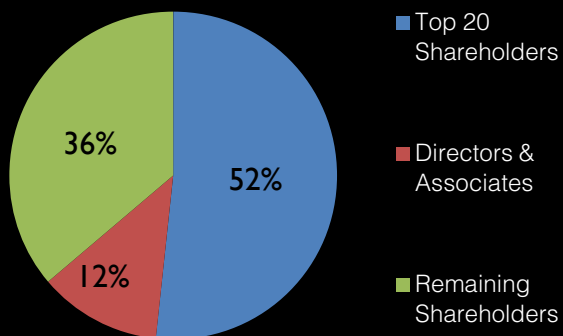
## BOARD OF DIRECTORS

|                     |                                               |
|---------------------|-----------------------------------------------|
| <b>Luke Atkins</b>  | Non-executive Chairman                        |
| <b>Ric Dawson</b>   | Managing Director                             |
| <b>Dan Tenardi</b>  | Non-executive Director                        |
| <b>Peter Bailey</b> | Non-executive Director                        |
| <b>Jamie Coote</b>  | Non-executive Director (Independent)          |
| <b>Piers Lewis</b>  | Company Secretary/<br>Chief Financial Officer |

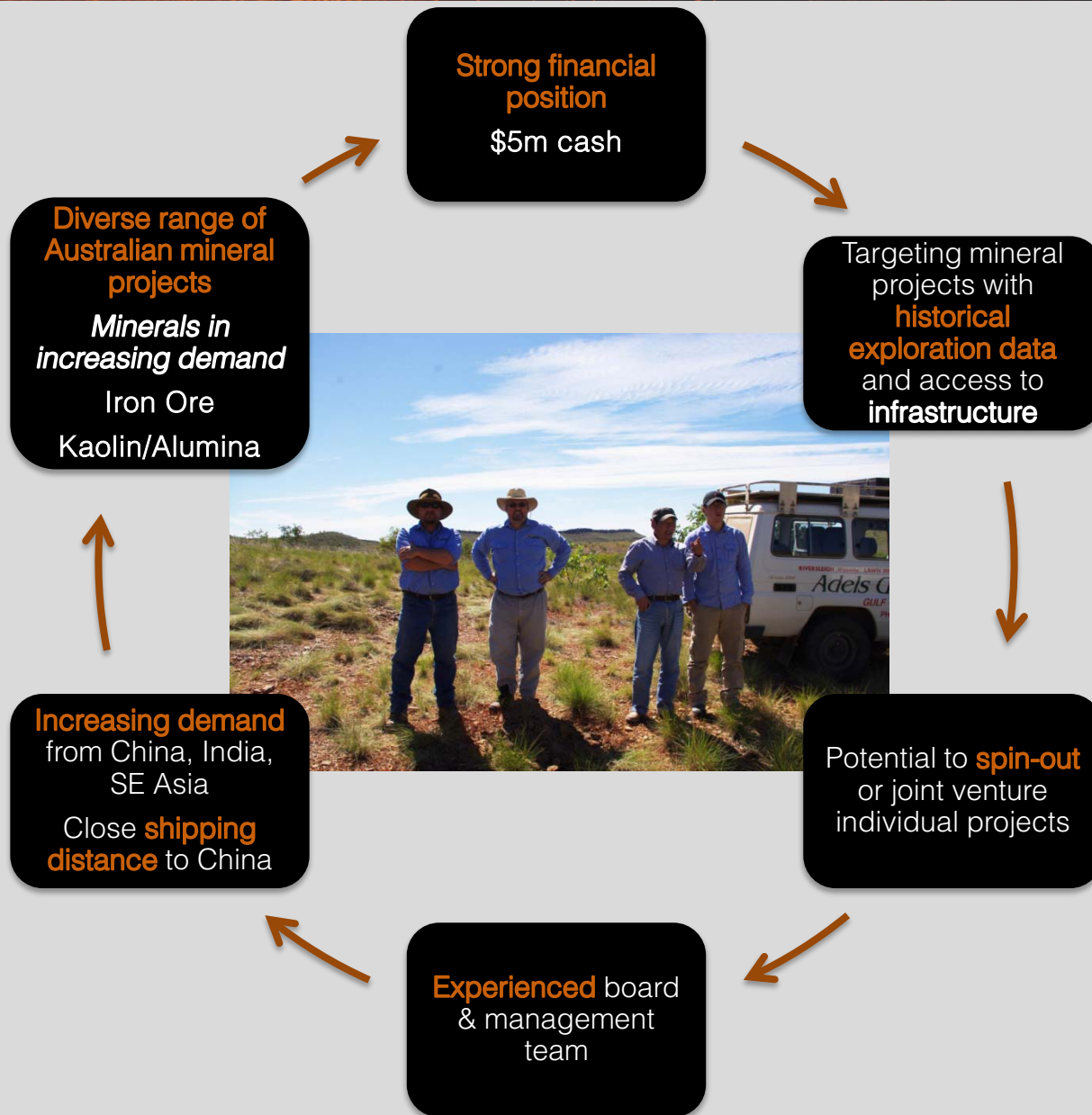
## ASX: AKA OPTIONS/WARRANTS: AKAOA As at 1 Aug 2012

|                                          |             |
|------------------------------------------|-------------|
| <b>Share Price (A\$)</b>                 | 0.091       |
| <b>Ordinary shares</b>                   | 100.9m      |
| <b>Listed options (0.20 exercisable)</b> | 42m         |
| <b>Unlisted options (various)</b>        | 11.5m       |
| <b>Performance Shares</b>                | 8m          |
| <b>Market Cap</b>                        | 9.19m       |
| <b>Cash</b>                              | 5 m         |
| <b>Share Price Year H-L(A\$)</b>         | 0.175-0.091 |
| <b>Debt</b>                              | Nil         |

## Major Shareholders as at 1 Aug 2012



# Investment Case



# Corporate Strategy

## OUR VISION

Identify sufficient resources with potential to develop **bulk mineral** projects

Develop projects internally or with **JV partners**

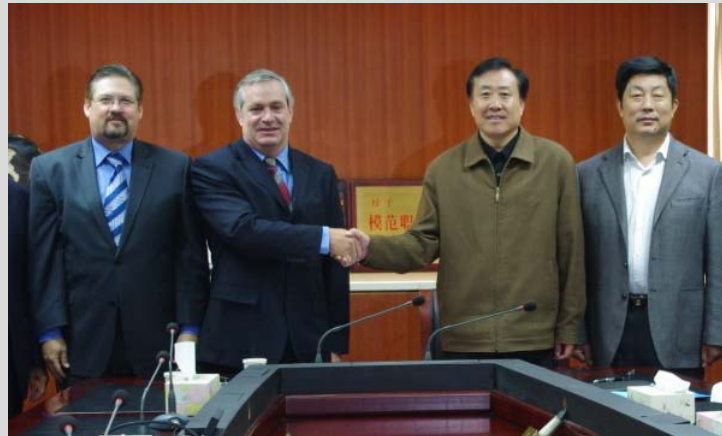
Add **value** to our projects to create **shareholder wealth**

Advance  
Constance  
Range Iron  
Ore  
Project,  
QLD

Advance  
Yilgarn Iron  
Ore  
Project, WA

Advance  
aluminous  
clay to  
alumina  
technology

Increase  
150Mt  
combined  
aluminous  
clay  
resource



# Project Locations

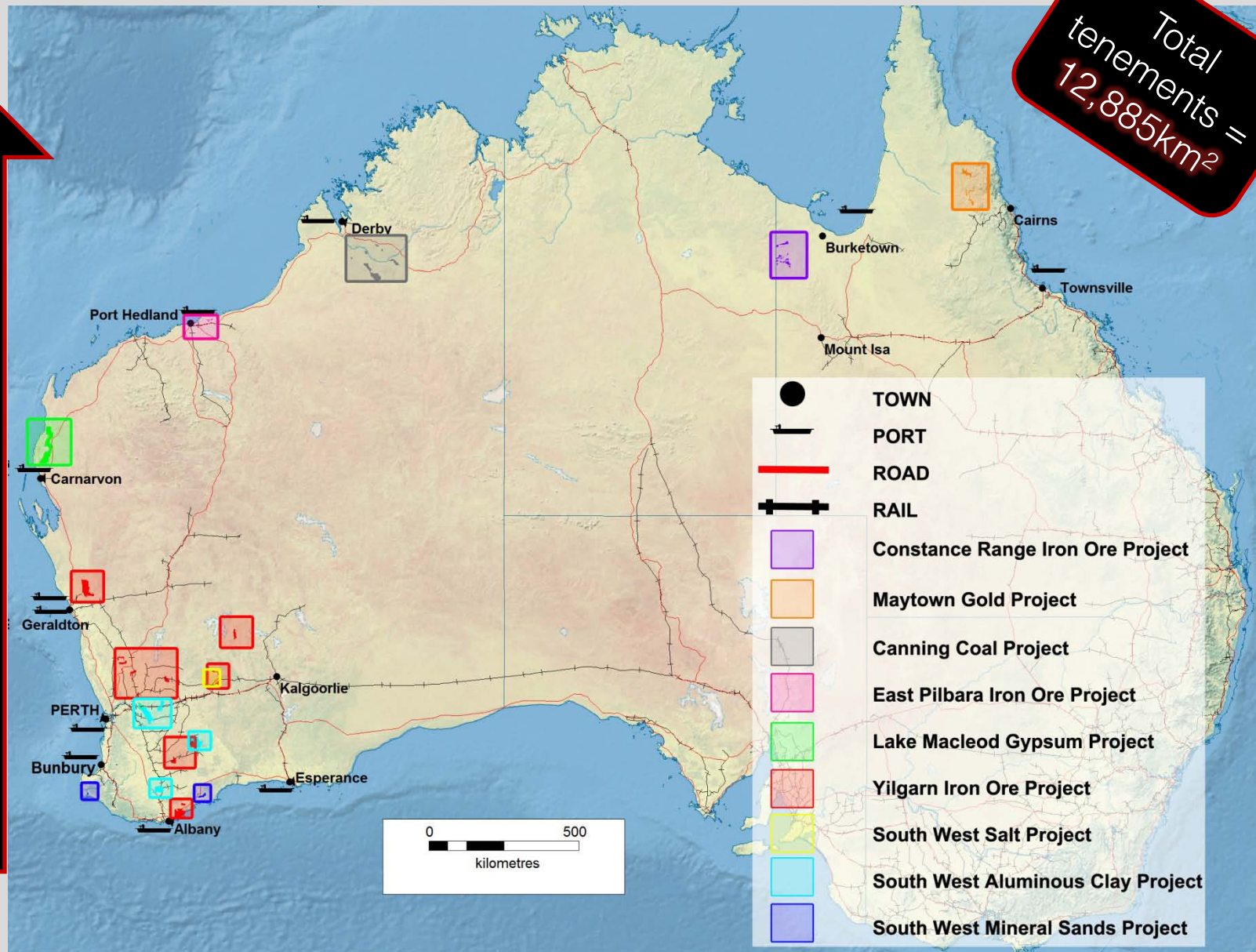


**SHIPPING  
DISTANCE  
TO  
CHINA:**  
~ 5,500-  
6,000km

VS

**WEST  
AFRICA**  
~ 20,000km

**SOUTH  
AMERICA**  
~ 23,000km



**Total  
tenements =  
12,885km<sup>2</sup>**

# Constance Range Iron Ore Project

Aerial view of outcropping  
Train Range Ironstone member

CHINA  
~5,500  
kms



Karumba Port

Karumba

Burketown

N  
O  
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Y

Lawn Hill

Gregory Downs

MMG CENTURY  
ZINC MINE

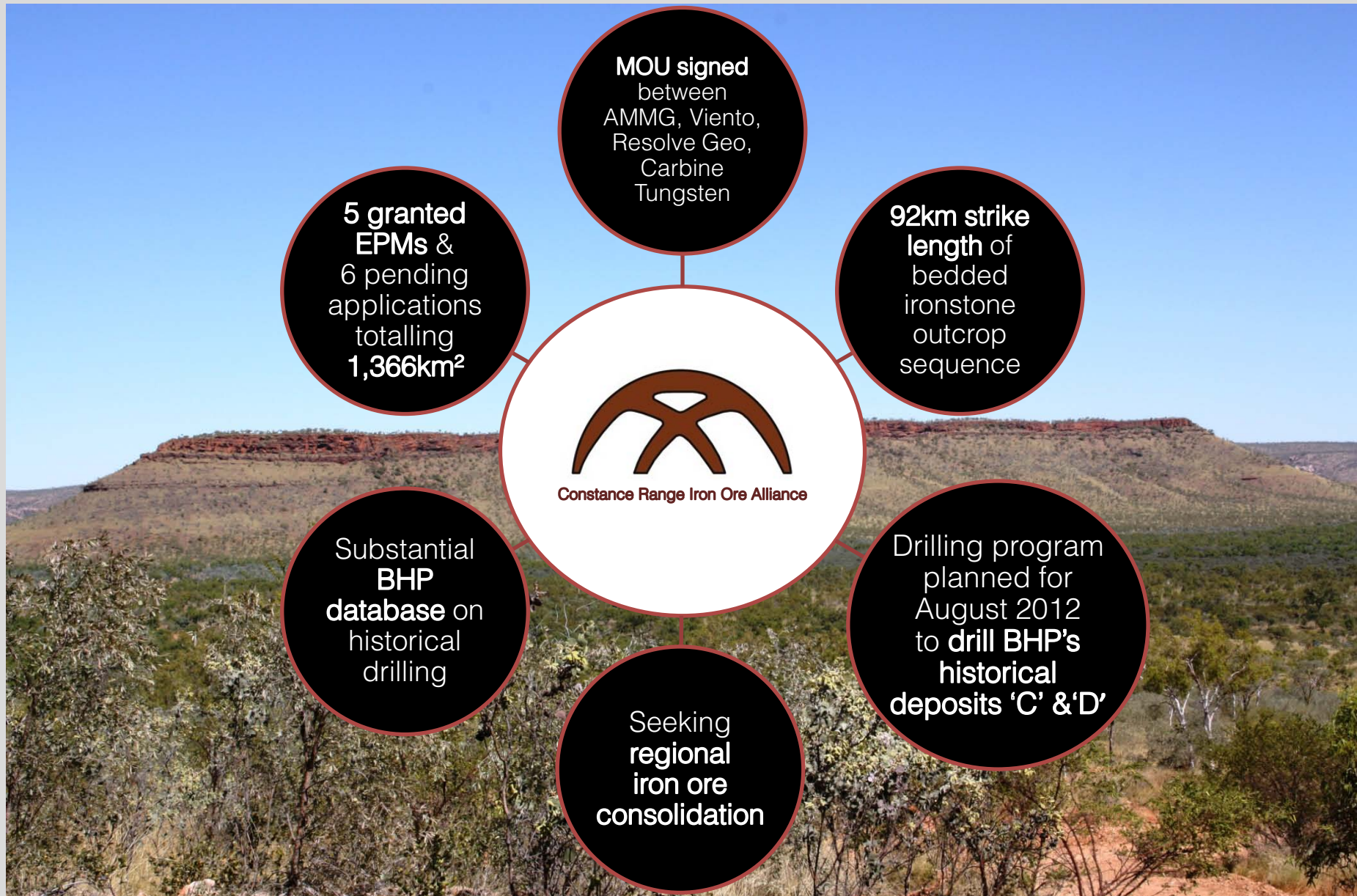
5.1Mt zinc, 0.6Mt lead,  
47.3Mo silver resources

EXISTING MMG SLURRY PIPELINE

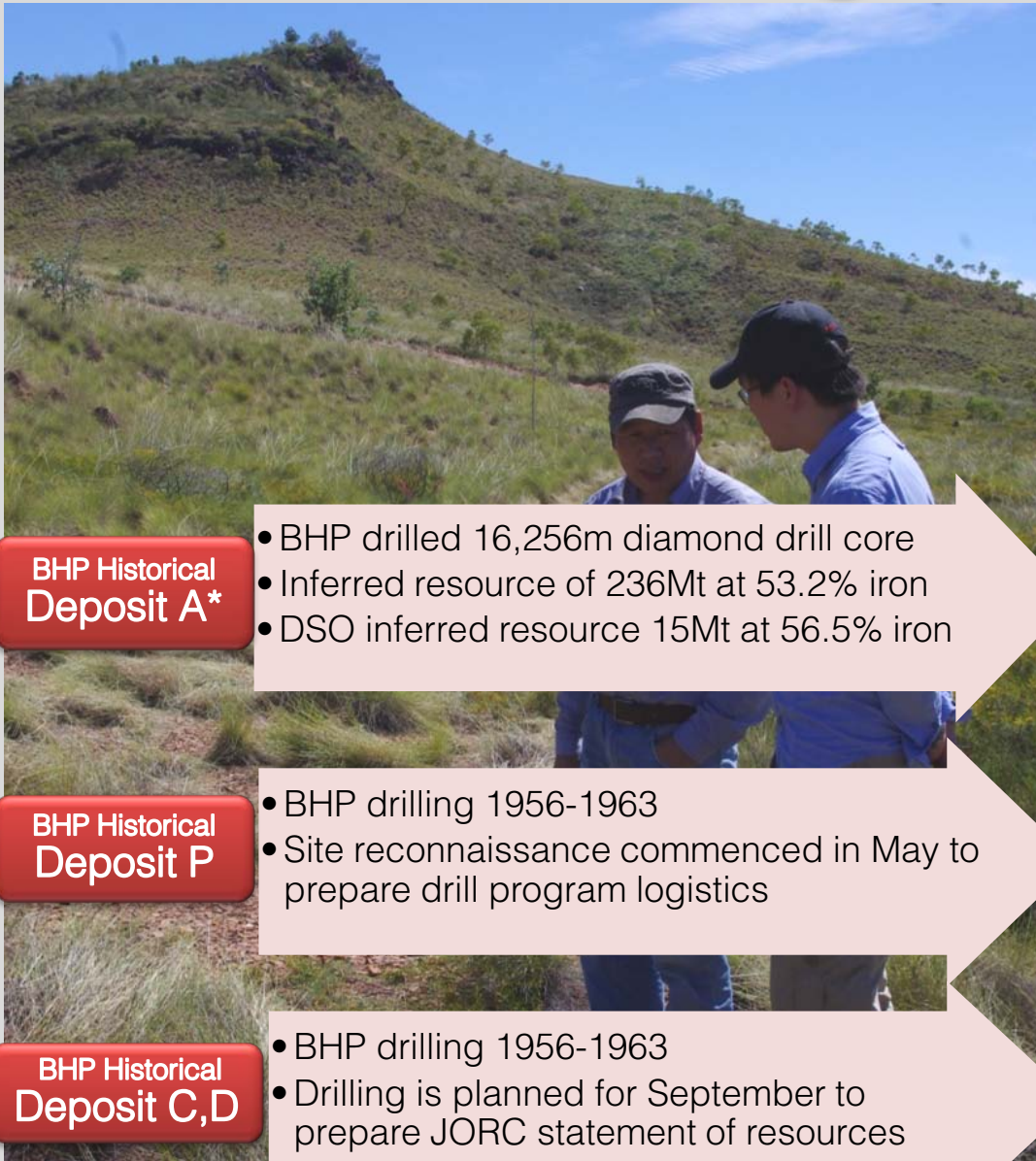
- PORT
- ROAD
- EXISTING ACCESS TRACKS
- EXISTING SLURRY PIPELINE
- TRAIN RANGE IRONSTONE MEMBER OUTCROP
- AMMG TENURE
- RESOLVE GEO TENURE
- CARBINE TUNGSTEN TENURE
- VIENTO TENURE

0 50.00  
kilometres

# Constance Range Iron Ore Alliance



# Constance Range Iron Ore Alliance



## BHP Historical Deposit A\*

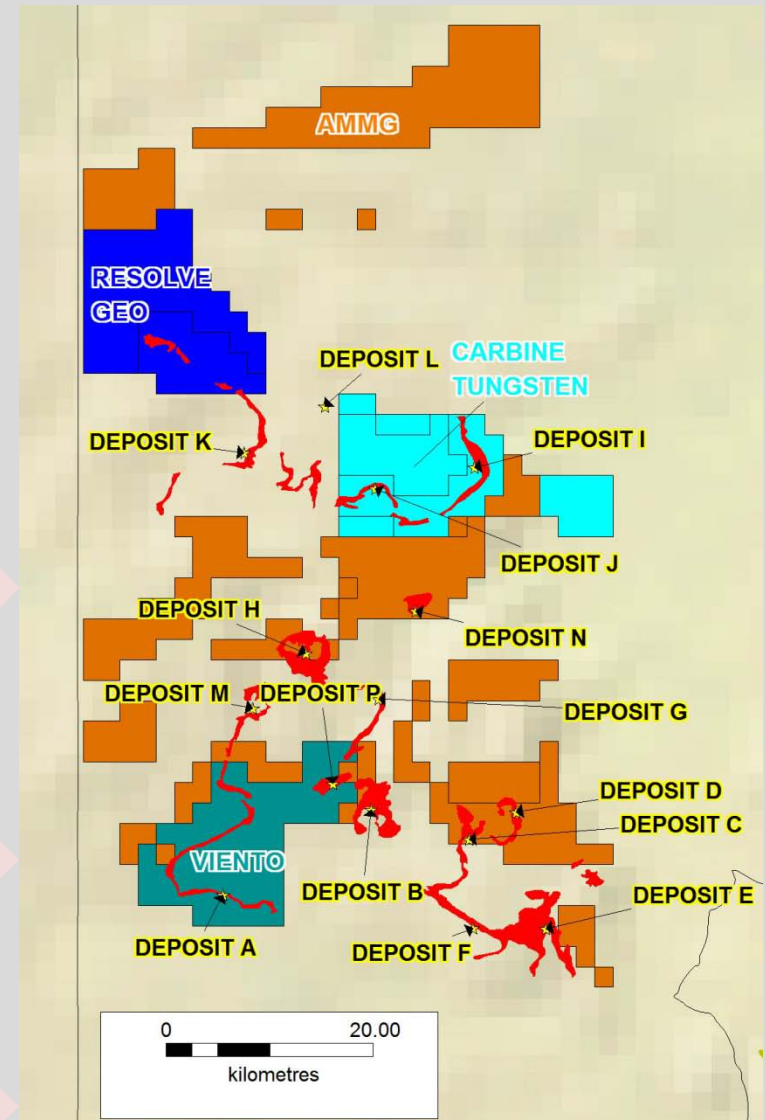
- BHP drilled 16,256m diamond drill core
- Inferred resource of 236Mt at 53.2% iron
- DSO inferred resource 15Mt at 56.5% iron

## BHP Historical Deposit P

- BHP drilling 1956-1963
- Site reconnaissance commenced in May to prepare drill program logistics

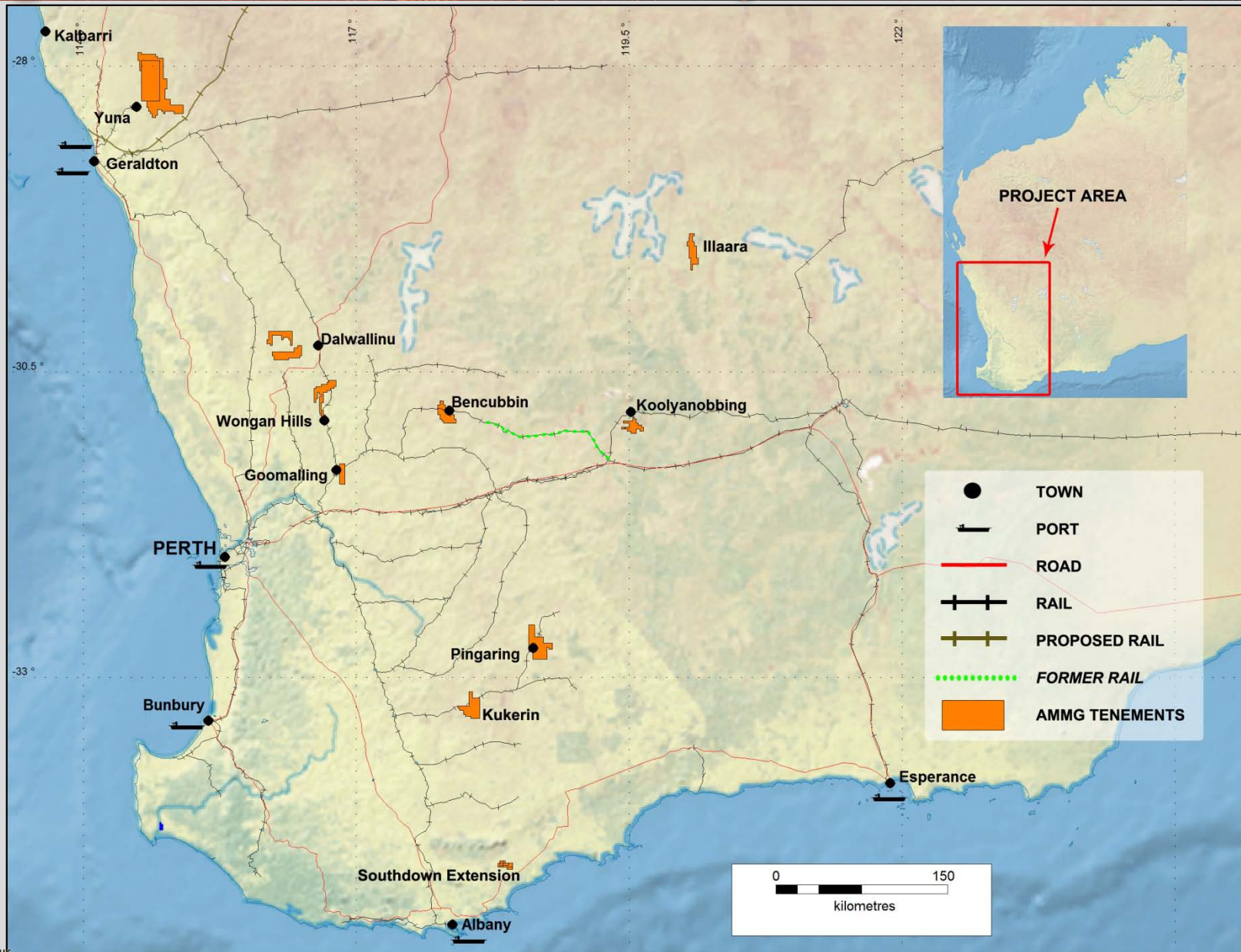
## BHP Historical Deposit C,D

- BHP drilling 1956-1963
- Drilling is planned for September to prepare JORC statement of resources



Constance Range Iron Ore Alliance' Tenement Holdings

# Yilgarn Iron Ore Projects, Western Australia



# Yilgarn Iron Ore Projects, Western Australia



Southdown Extension drilling program  
January 2012



Bencubbin drilling program  
February 2012

10 granted tenements,  
8 applications  
= 3,600km<sup>2</sup>



Targeting hematite/goethite and coarse  
grain magnetite, using aeromagnetic  
analysis



Bencubbin test work shows  
**iron concentrate 71.4%**  
average **mass recovery 42.8%** with grind  
size of -75microns



Southdown Extension test work shows  
**iron concentrate 68%**  
average **mass recovery 35.6%** with grind  
size of -75 microns



**Signed MOU** with Anhui Bureau, China  
for potential capital investment and  
project development



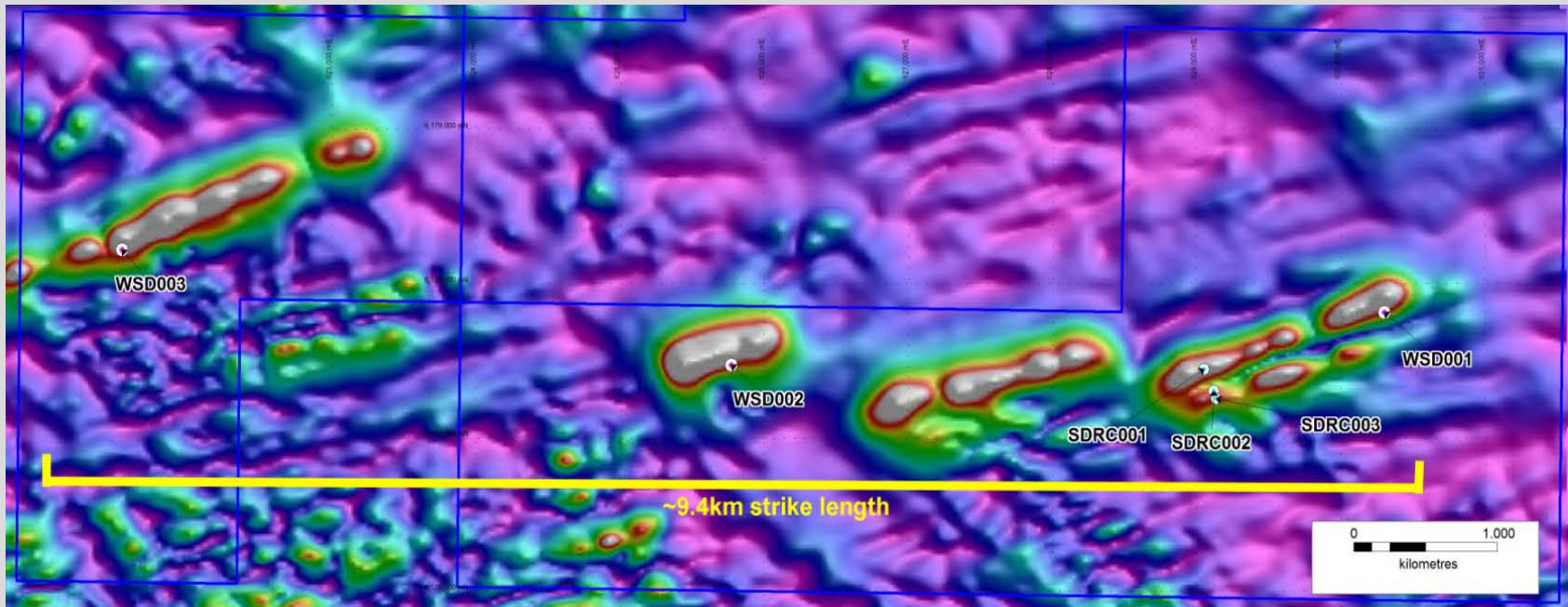
Pingaring project successful state  
government EIS applicant; drilling  
commencing later in the year.

# Southdown Extension Iron Ore Project, WA

Drill hole  
**SDRC 002**  
4m @ 68.9%  
Iron Concentrate

Drill hole  
**SDRC 002**  
5m @ 68.6%  
Iron Concentrate

Drill hole  
**SDRC 003**  
4m @ 68.1%  
Iron Concentrate

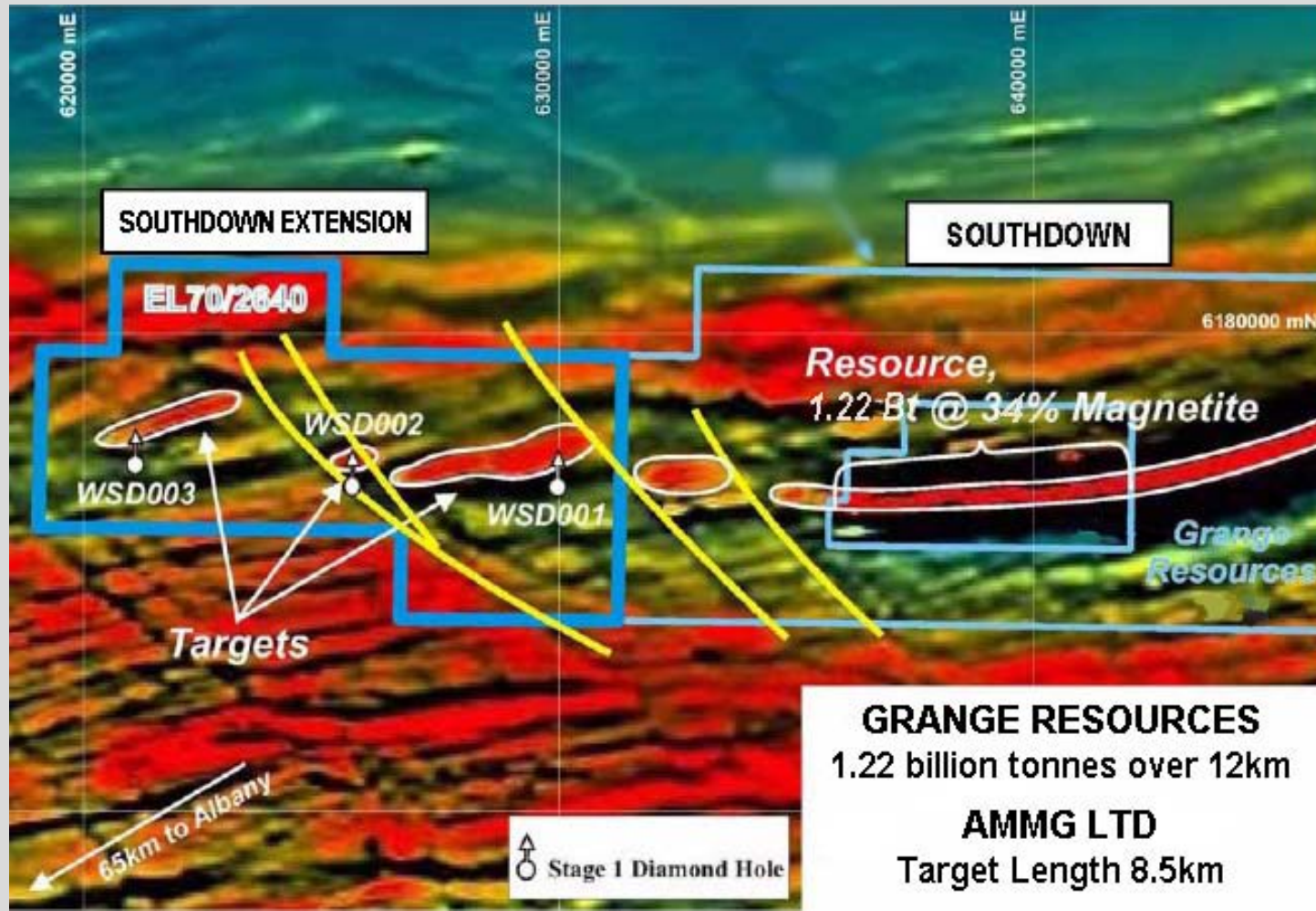


Drill hole  
**WSD 001**  
12m @ 65.5%  
Iron Concentrate

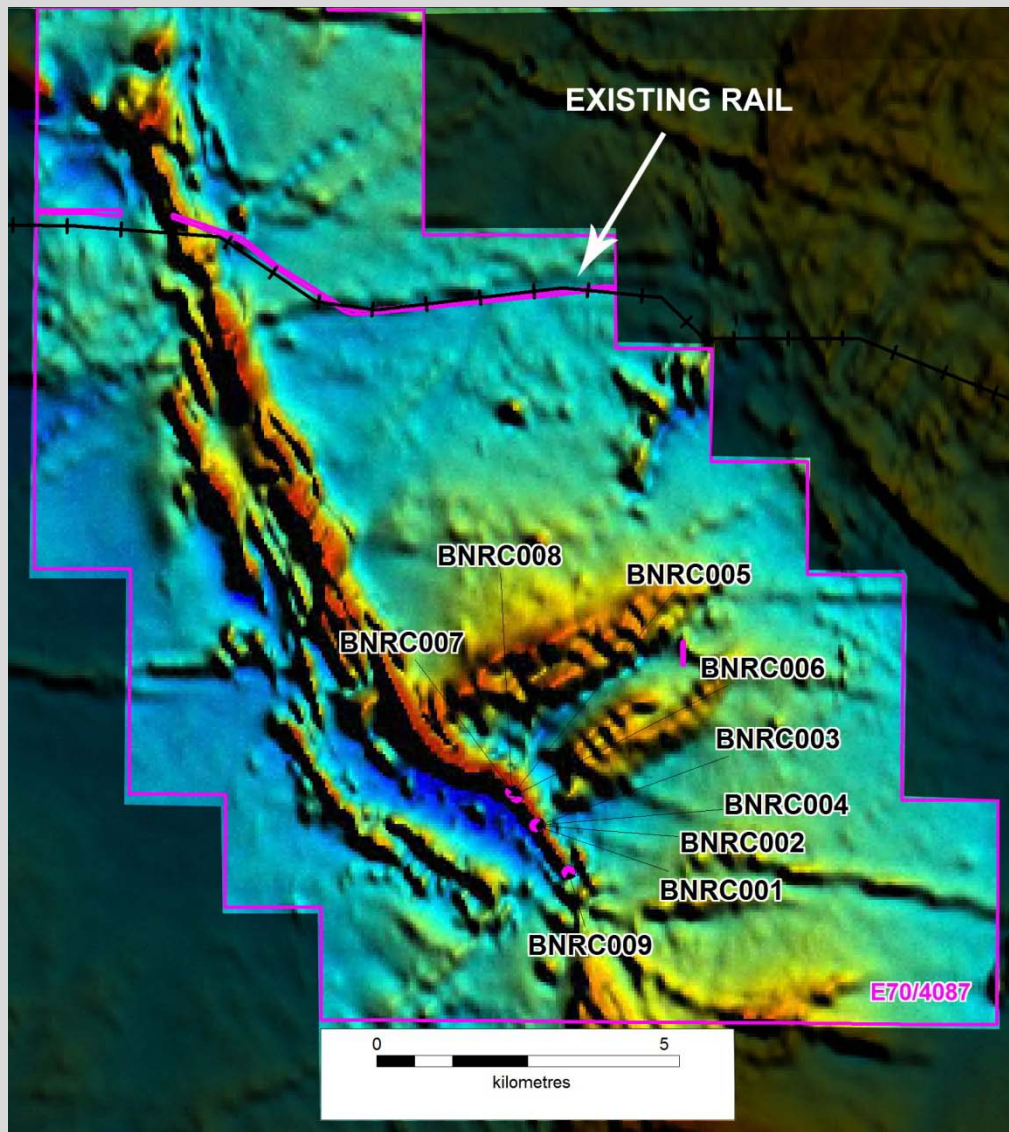
Drill hole  
**WSD 002**  
6m @ 64.8%  
Iron Concentrate

Drill hole  
**WSD 003**  
9m @ 68.9%  
Iron Concentrate

# Southdown Extension Iron Ore Project, WA



# Bencubbin Iron Ore Project, WA



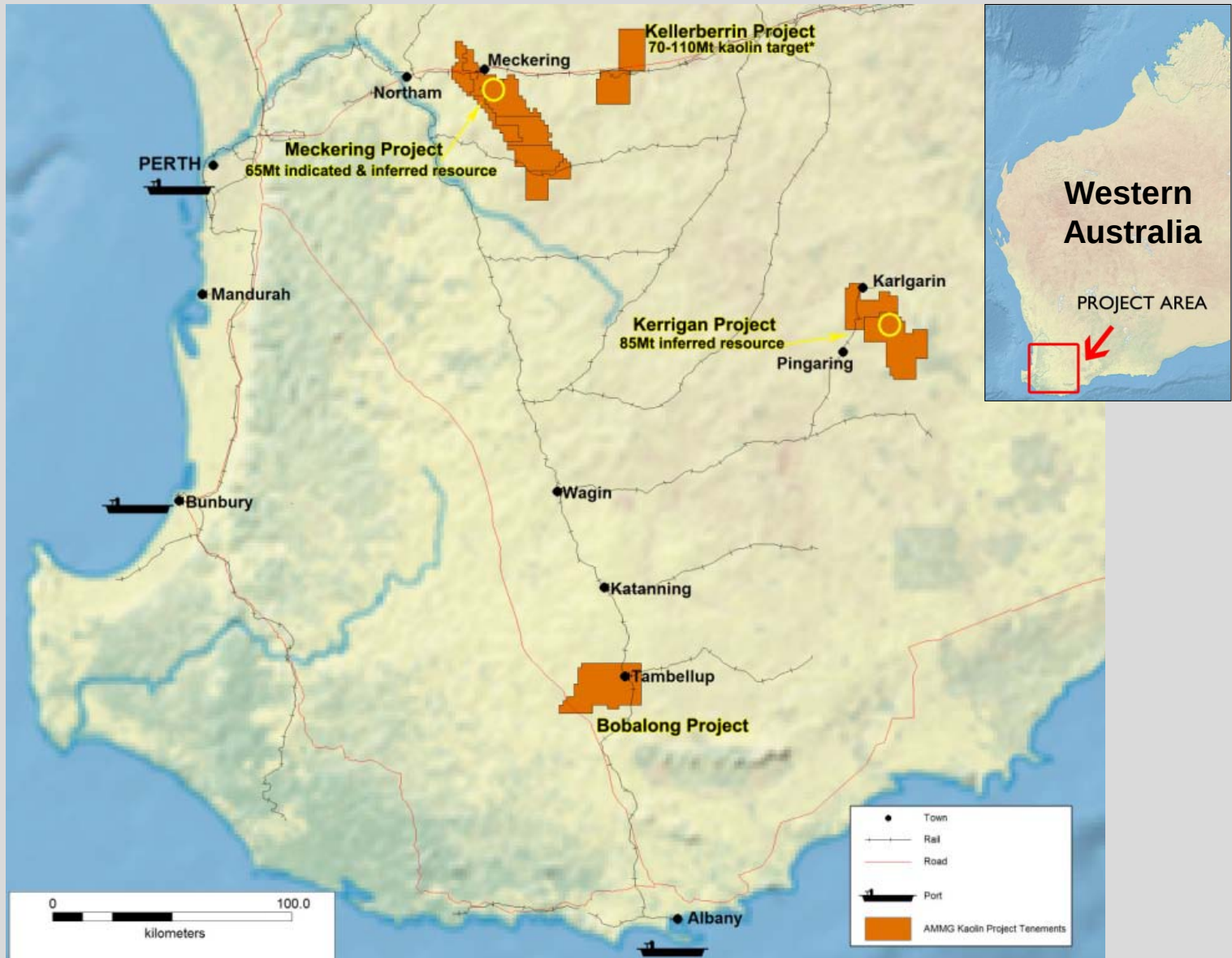
Drill hole **BNRC003**  
**10m @ 71.5% iron** conc.  
38.3% mass recovery

Drill hole **BNRC004**  
**7m @ 71.6% iron** conc.  
45.2% mass recovery

Drill hole **BNRC005**  
**11m @ 71.5% iron** conc.  
39.8% mass recovery

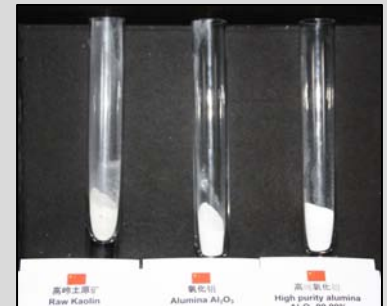
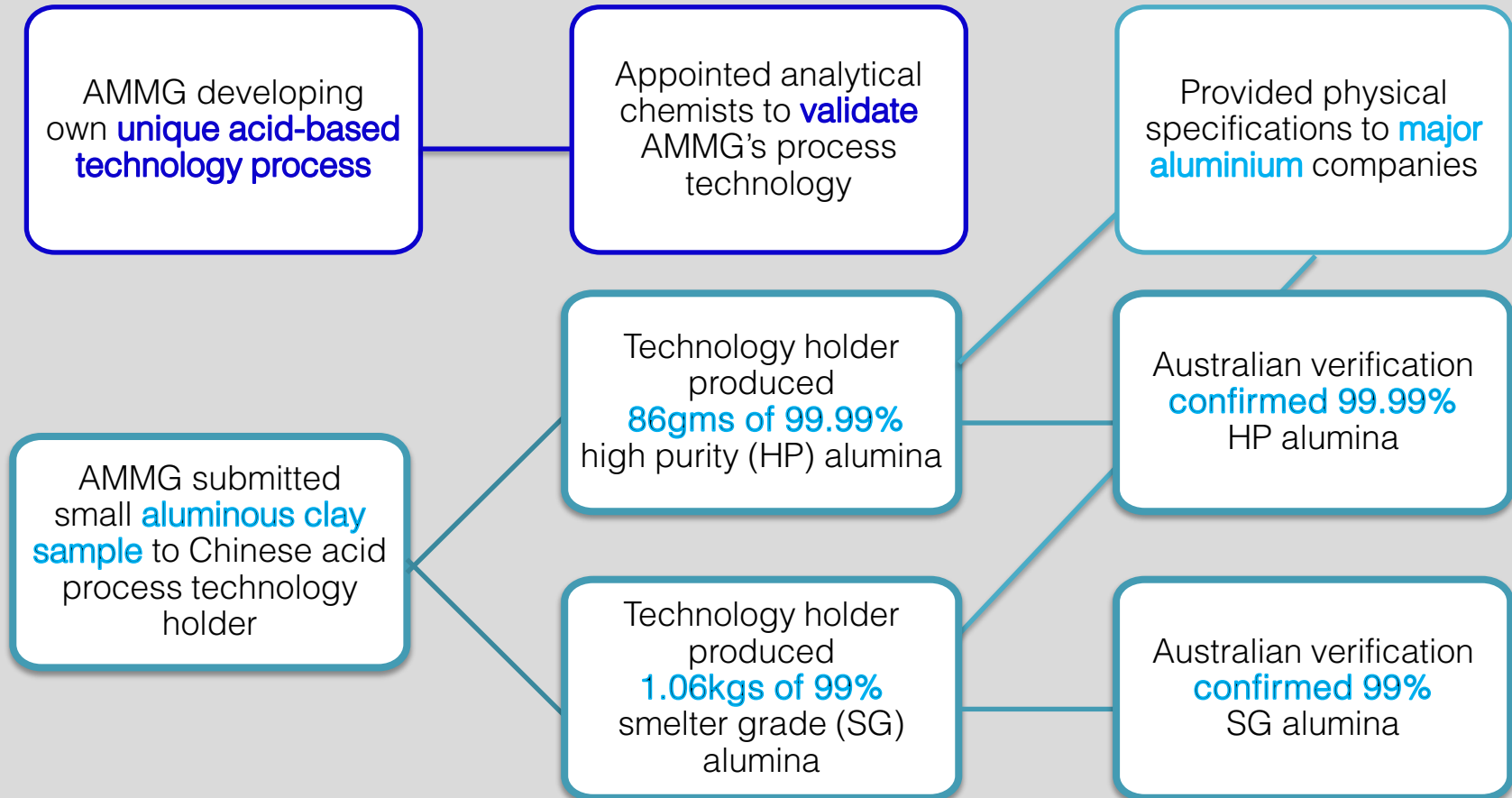
Drill hole **BNRC008**  
**5m @ 71.0% iron** conc.  
47.8% mass recovery

# South West Aluminous Clay (Kaolin) Projects, WA



\*The term target should not be misunderstood nor misconstrued as an estimate of Mineral Resources and Reserves as defined by the JORC Code (2004), and therefore the term has not been used in this context. It is uncertain if further exploration or feasibility study will result in the determination of a Mineral Resource or Mining Reserve.

# Aluminous Clay Acid-Based Processing Technology



# Resources Aluminous Clay (Kaolin) Projects, WA

| Project      | Indicated (Mt) | Inferred (Mt) | Exploration Target* (Mt) | Land Holding (km <sup>2</sup> ) | % -45 micron <sup>1</sup> | Brightness <sup>2</sup> |
|--------------|----------------|---------------|--------------------------|---------------------------------|---------------------------|-------------------------|
| Meckering    | 16.77          | 48.28         | 75-130                   | 966                             | 42.3%                     | 83.2%                   |
| Kerrigan     | -              | 85            | 140-190                  | 459                             | 41.8%                     | 83.5%                   |
| Kellerberrin | -              | -             | 70-110                   | 408                             | 52%                       | 80-85%                  |
| Bobalong     | -              | -             | 200-400                  | 600                             | -                         | 80-85%                  |
| <b>TOTAL</b> | <b>16.77</b>   | <b>133.28</b> | <b>485-830</b>           | <b>2,433</b>                    |                           |                         |

*\*The term "Target" should not be misunderstood nor misconstrued as an estimate of Mineral Resources and Reserves as defined by the JORC Code (2004), and therefore the term has not been used in this context. It is uncertain if further exploration or feasibility study will result in the determination of a Mineral Resource or Mining Reserve*



1. The % minus 45 micron was measured by wet screening.
2. Brightness is the ISO brightness of the minus 45 kaolin.

# Meckering Project – Test Pit



Potential available infrastructure  
(rail, electricity, water)



Test pit located at Meckering project, WA

Inside the test pit

# Mineral Analysis Aluminous Clay (Kaolin) Projects

| PROJECT                                                            | SiO <sub>2</sub><br>% | Al <sub>2</sub> O <sub>3</sub><br>% | Fe <sub>2</sub> O <sub>3</sub><br>% | TiO <sub>2</sub><br>% | CaO<br>% | MgO<br>% | SO <sub>3</sub><br>% | Na <sub>2</sub> O<br>% | K <sub>2</sub> O<br>% | MnO<br>% | P <sub>2</sub> O <sub>5</sub><br>% | Ig.<br>loss<br>% | Total  |
|--------------------------------------------------------------------|-----------------------|-------------------------------------|-------------------------------------|-----------------------|----------|----------|----------------------|------------------------|-----------------------|----------|------------------------------------|------------------|--------|
| Meckering<br>-45µm                                                 | 45.86                 | 38.32                               | 0.43                                | 0.56                  | 0.05     | 0.17     | -                    | 0.45                   | 0.27                  | 0.00     | 0.05                               | 13.83            | 100.00 |
| Meckering calcined<br>grade                                        | 53.22                 | 44.47                               | 0.5                                 | 0.65                  | 0.06     | 0.26     | -                    | 0.52                   | 0.31                  | 0        | 0.06                               | -                | 100.00 |
| Meckering theoretical<br>further separation of<br>SiO <sub>2</sub> | -                     | 95.06                               | 1.07                                | 1.39                  | 0.13     | 0.42     | -                    | 1.13                   | 0.67                  | -        | 0.13                               | -                | 100.00 |

| PROJECT                                                           | SiO <sub>2</sub><br>% | Al <sub>2</sub> O <sub>3</sub><br>% | Fe <sub>2</sub> O <sub>3</sub><br>% | TiO <sub>2</sub><br>% | CaO<br>% | MgO<br>% | SO <sub>3</sub><br>% | Na <sub>2</sub> O<br>% | K <sub>2</sub> O<br>% | MnO<br>% | P <sub>2</sub> O <sub>5</sub><br>% | Ig.<br>loss<br>% | Total  |
|-------------------------------------------------------------------|-----------------------|-------------------------------------|-------------------------------------|-----------------------|----------|----------|----------------------|------------------------|-----------------------|----------|------------------------------------|------------------|--------|
| Kerrigan<br>-2µm                                                  | 46.0                  | 38.3                                | 0.3                                 | 0.1                   | -        | 0.1      | 0.1                  | 0.4                    | 0.7                   | -        | 0.3                                | 13.6             | 100.00 |
| Kerrigan<br>calcined grade                                        | 53.3                  | 44.4                                | 0.3                                 | 0.1                   | -        | 0.1      | 0.1                  | 0.5                    | 0.8                   | -        | 0.3                                | -                | 100.00 |
| Kerrigan theoretical<br>further separation of<br>SiO <sub>2</sub> | -                     | 95.1                                | 0.7                                 | 0.2                   | -        | 0.2      | 0.2                  | 1.0                    | 1.5                   | -        | 0.7                                | -                | 100.00 |

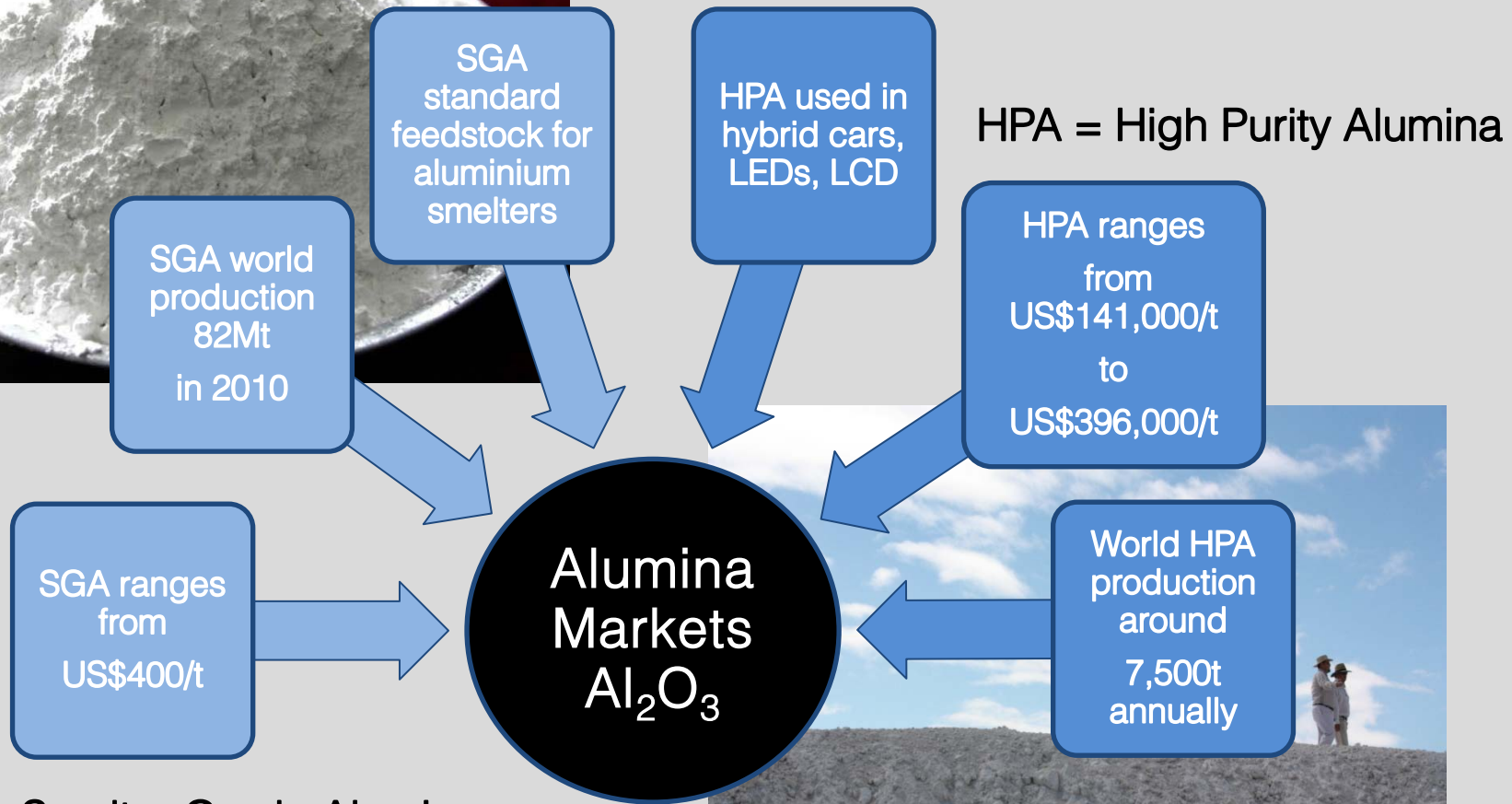
Ig.loss: removal of chemically bound water

# 'Structural Change'

|                                                    | Bayer Process<br>Traditional Technology        | Acid-Based Process<br>New Technology           |
|----------------------------------------------------|------------------------------------------------|------------------------------------------------|
| PLANT CAPITAL COST<br>(current estimate for 1mtpa) | \$1 - \$1.5 billion                            | \$300 - \$500 million                          |
| OPERATING EXPENSE<br>(Indicative average)          | \$230 per tonne                                | \$180 per tonne<br><i>(potential to lower)</i> |
| ALUMINA FEEDSTOCK                                  | Bauxite                                        | Aluminous Clay (Kaolin)                        |
| MAIN REAGENT                                       | Caustic Soda                                   | Acid (HCl or H <sub>2</sub> SO <sub>4</sub> )  |
| RESOURCES WORLDWIDE                                | Tropical, high rainfall,<br>'red mud' tailings | Arid, low rainfall<br>No 'red mud' tailings    |



# Alumina Markets



SGA = Smelter Grade Alumina



# China's Demand for Alumina Feedstock

Indonesia announce it **intends to ban exports of bauxite** from 2014.



**80% of China's bauxite imports is from Indonesia.**

China's demand for alumina is increasing rapidly.

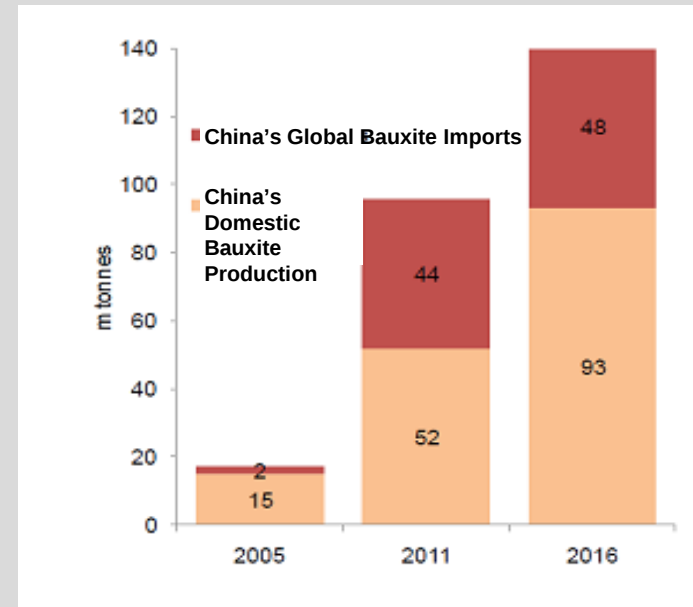
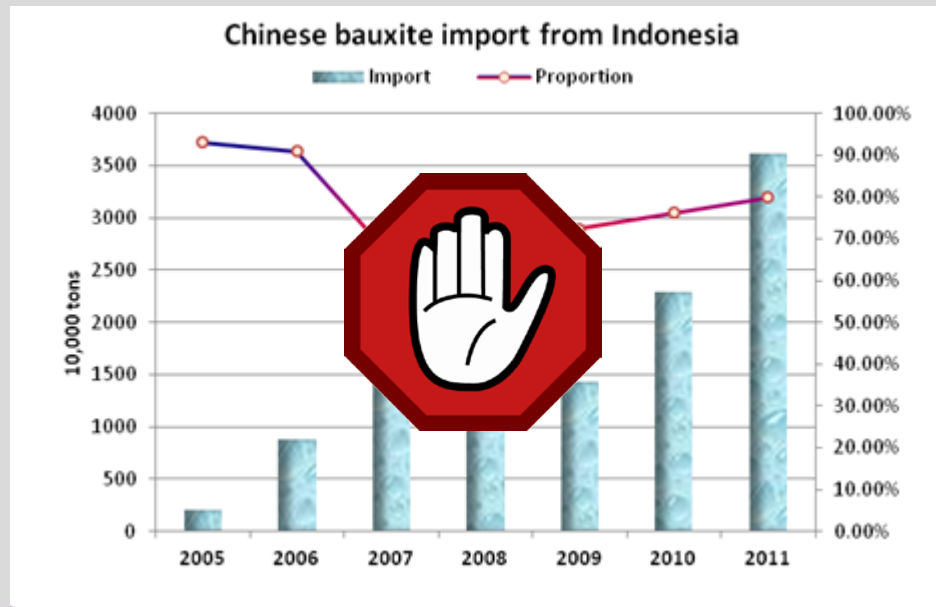


China's alumina production in 2011 was 34.17 million tonnes, increasing from just 8.51 million tonnes in 2005.

**China requires 140Mt of alumina feedstock by 2016.**



Potential for **aluminous clay (kaolin)** to provide alternative longer term alumina feedstock.



China's requirement for alumina feedstock to supply its world class aluminium industry is predicted to continue to rise

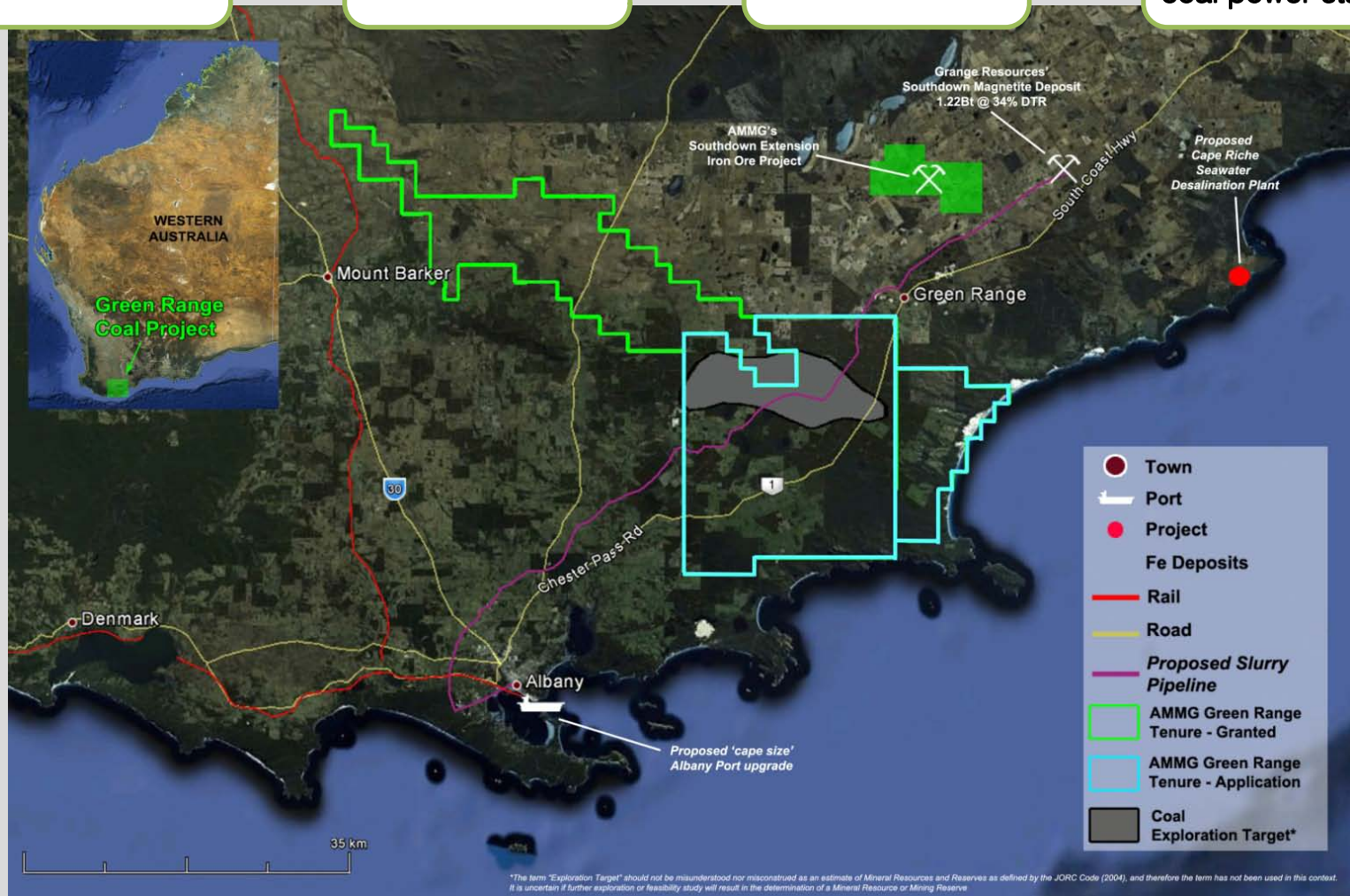
# Green Range Coal Project, Western Australia

Historical in-situ  
500Mt coal  
exploration target\*

Sub-bituminous  
coal quality  
>20MJ/kg

40-70km to  
proposed  
cape-size  
Albany port  
upgrade

Grange  
Resources'  
Southdown  
Magnetite Project  
potential thermal  
coal power station



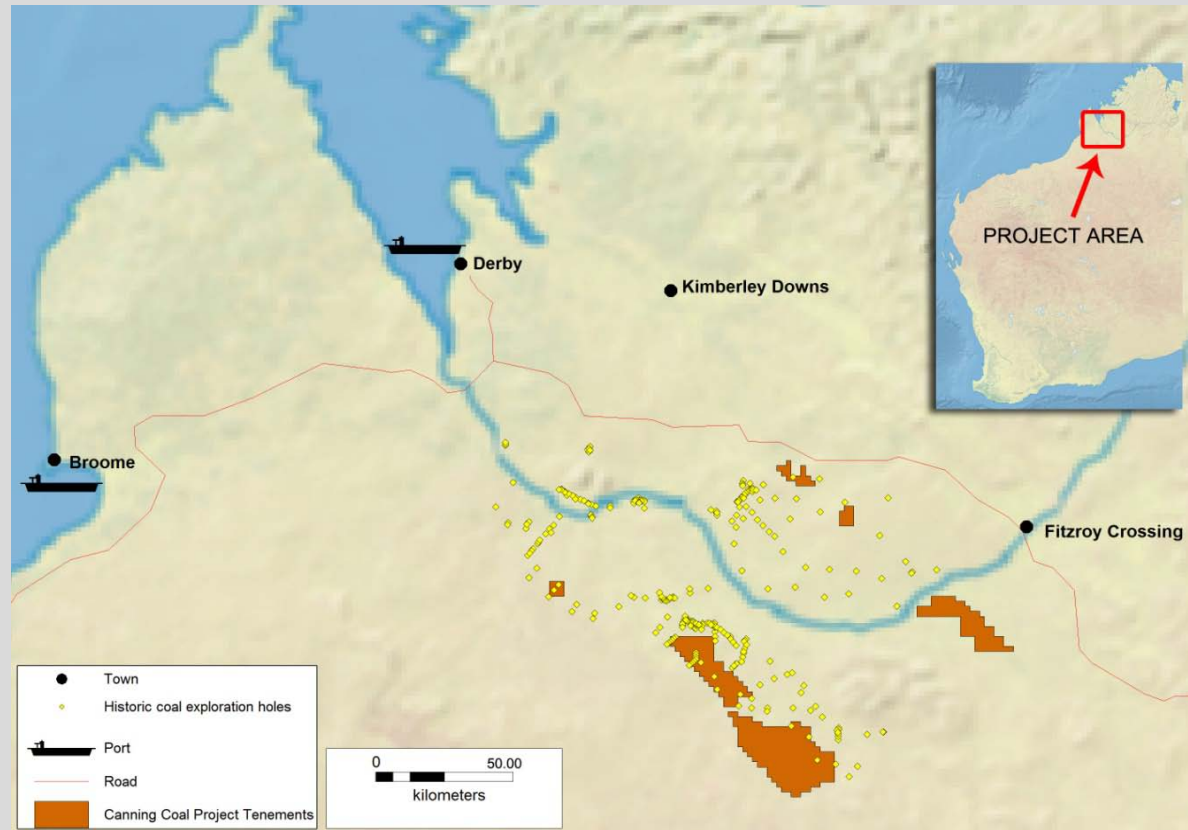
# Canning Coal Project, Western Australia

7 applications  
= 1,402km<sup>2</sup>

Signed **MOU with Anhui Bureau**  
for potential capital investment  
and project development.

Relatively close proximity to  
established **road and port**  
networks.

Project located north-west of  
Rey Resources' 305.8Mt  
thermal coal resource\*



*\*Source: Rey Resources (ASX Announcement April 2011)*



Anhui Bureau of Coal and Geology inspecting wharf facilities at Derby port, WA

# Projects in Focus

## Constance Range Iron Ore Project, QLD

Aim to define **JORC resource** statement

**Drilling program to commence** August 2012 to drill BHP's historical deposits 'C' and 'D'

Site reconnaissance completed and international mining delegation site visit

Seeking regional **iron ore consolidation** through Alliance

## Yilgarn Iron Ore Project, WA

Southdown Extension test work shows **iron concentrate 68%** average **mass recovery 35.6%** with a grind size of -75 microns

**Diamond drilling** scheduled to commence in July for Southdown Extension project

Bencubbin test work shows **iron concentrate 71.4%** average **mass recovery 42.8%** with a grind size of -75microns

Due to excellent results at Bencubbin, AMMG has the confidence to proceed with **stage 2 drilling**

Pingaring drilling later in year (successful applicant in state government co-funding EIS)

## Aluminous Clay (Kaolin) Project, WA

Signed **option agreement** to purchase exclusive Australia-wide **technology licence**

Developing own & refine existing **unique acid-based technology process**

Increase **combined 150Mt resource** at Meckering and Kerrigan projects

Advance Bobalong project with historic data review/target generation

## Green Range Coal Project, WA

Technical review completed

**Historical 'in-situ' reserve of lignite** from CRA's drilling but new drilling is required to convert to current JORC

**Exploration target\*** of ~400-500Mt of sub-bituminous or steaming coal based on previous drill hole data.

Preparations for drill program are underway

## Canning Coal Project, WA

Progressing **objectives of MOU**, signed with Anhui Lianghuai Pty Ltd

Technical review completed

Ongoing co-operation for potential spin-out/JV

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# South West WA Projects

Relatively Close Proximity to Road, Rail & Ports

## Brookfield Rail



# Why invest in AMMG?





# **AUSTRALIA MINERALS & MINING GROUP LTD**

ABN 45 125 301 206

|              |                                                        |
|--------------|--------------------------------------------------------|
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| Options:     | AKAOA                                                  |
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| Website:     | <a href="http://www.ammg.com.au">www.ammg.com.au</a>   |