### **BROCKMAN RESOURCES LIMITED**



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MINES AND MONEY - HONG KONG March 2012 Russell Tipper, Chief Executive Officer

> brockman resources.

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- □ Targeting to become a major Australian hematite producer
- 1.63Bt detrital iron ore Mineral Resource, including Maiden 1.05Bt Ore Reserve
- Definitive Feasibility Study completed for 18.5Mtpa Marillana Project in September 2010
- □ FEED completed with follow-up optimization and value engineering
- Several rail solutions being actively pursued
- 18.5Mtpa port allocation through NWI, final detailed engineering report near completion
- □ Project financing progressing with involvement of Wah Nam International
- Pipeline of strong Pilbara iron ore growth prospects Ophthalmia and West Pilbara projects
- Strong Board and management team with mining and iron ore experience
- Appointment of new CEO, Russell Tipper

### **SIGNIFICANT VALUE UPSIDE** IRON ORE VALUATION – BY ORE TYPE





Source: Citi - 31 October 2011

### MARILLANA PROJECT LOCATION





### MARILLANA PROJECT **KEY STATISTICS (BASED ON DFS)**



868Mt

419Mt

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6

60.5 - 61.5%Fe Final product grade

Mineral Resource (JORC) of **1.63 Bt**; including

- Ore Reserve (JORC) of 1.05Bt
- 133Mt Proven CID (Probable) **48Mt** Average production (dry tonnes) 17Mtpa Initial mine life 25 years 1.028Bt Total ore mined Strip ratio (average) 0.78



- DFS in 2010 confirmed the Marillana Project is a financially robust and long-life project
- Front End Engineering and Design (FEED) report received October 2011
- Value engineering and optimisation studies have been conducted following the FEED report
- □ Simple robust process flow sheet
- Native Title agreements finalised and key State environmental approvals granted
- Progressing financing initiatives with potential JV partners
- Progressing rail and port infrastructure discussions

### MARILLANA PROJECT RESERVE / RESOURCE





### MARILLANA PROJECT RESOURCE AND GEOLOGY



### Marillana - Cross Section of Detritals/CID



### MARILLANA PROJECT METALLURGY AND PROCESSING





10

### **MARILLANA PROJECT** FINAL PRODUCT AND SINTER PERFORMANCE



FINAL PRODUCT GRADE RANGES							
Fe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	S (%)	P (%)	LOI 1000C (%)		
60.5 - 61.5	6.0 - 6.5	2.5 - 3.0	<0.02	<0.08	2.0 - 3.0		

- □ Hematite concentrate with a -8mm +1mm size specification
- □ Final Fe grades equivalent to major Pilbara iron ore producers
- □ Trace level impurities comparable to direct shipping hematite ore
- Sinter testing confirms positive performance of the concentrate, suitable as a quality replacement for existing Pilbara fines in blended mill feeds
- Particularly beneficial where concentrates are used as sinter feed



- Brockman continues to pursue various options for rail infrastructure
- Confidential productive discussions are progressing with several potential rail providers
- Spur line alignments identified, environmental and native title approvals well advanced



## **PORT INFRASTRUCTURE**



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- North West Infrastructure
  (NWI) Group (formerly
  NWIOA) has been granted an allocation by State
  Government to develop SW3 and SW4 berths and associated stockyards (50Mtpa capacity allocation)
- Environmental approvals are progressing, PER approved in February 2012
- NWI Shareholders (Atlas and Brockman) are working closely to advance development through NWI
- Final detailed engineering report on port development nearing completion



### **BROCKMAN TENEMENTS**





14

### BROCKMAN TENEMENTS OPHTHALMIA PROJECT



- Significant new area of outcropping, bedded hematite mineralisation (DSO) discovered at the Sirius prospect within Ophthalmia Project area, 15km north of Newman
- □ Mineralisation mapped over strike length of 1,700m and up to 150m wide
- Surface sampling has returned up to 67.5% Fe, with average grade from 98 surface samples being 62% Fe (65.3% calcined Fe)
- Intersection of 135.45m grading 61.02% Fe recorded in first drill hole at the Sirius prospect - Hole was terminated still in mineralisation
- Mineralisation is hosted by the Boolgeeda Iron Formation, which opens up additional potential for further mineralisation within the remainder of the Ophthalmia Project area
- Numerous other prospects at Ophthalmia confirmed, with RC drilling at Coondiner and Kalgan Creek returning up to 68m @ 59.8% Fe
- Helicopter supported diamond drilling has re-commenced at Sirius
- □ Located only 70 80km from Marillana



- Shaping up as a potential third operation for the Company (after Marillana and Ophthalmia)
- Combined Exploration Target<sup>1</sup> of 80-100Mt of DSO hematite grading 57- 60% Fe
- Initial drilling at Duck Creek and West Hamersley confirms significant near-surface DSO grade mineralisation in both Project areas
- Mineralisation contains very low levels of the contaminant phosphorous (P)

<sup>&</sup>lt;sup>1</sup> Exploration Targets

Any discussion in relation to the potential quantity and grade of Exploration Targets is only conceptual in nature. There has been insufficient exploration to define a Mineral Resource for these tenements and it is uncertain if further exploration will result in determination of a Mineral Resource for the West Hamersley tenements or other prospects on the Company's landholding outside of the currently defined JORC compliant resources at the Company's Marillana Project.



- Large scale, financially robust, long life project with a high quality final product
- Main environmental approvals for project development granted (16 February 2011) paving the way for construction commencement
- Potential to significantly expand resource and/or project base West and South-East Pilbara assets – all 100% owned
- □ Foundation shareholder in NWI, providing port capacity allocation
- Board and management team with strong depth of mining and iron ore experience
- Majority shareholder Wah Nam International Holdings Limited broadens company connections with end users and investors in China and Hong Kong
- Future projects located near established or proposed rail and port infrastructure

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### **APPENDICES** MARILLANA RESOURCE SUMMARY



BENEFICIATION FEED (Cut-off grade: 38% Fe)						
Mineralisation Type	Resource Classification	Tonnes (Mt)	Grade (%Fe)			
Detrital	Measured	173	41.6			
	Indicated	1,036	42.5			
	Inferred	201	40.7			
Pisolite	Indicated	117	47.4			
Total	Measured	173	41.6			
	Indicated	1,154	43.0			
	Inferred	201	40.7			
GRAND TOTAL		1,528	42.6			

Mineral Resources are inclusive of Ore Reserves

### **APPENDICES** MARILLANA RESOURCE SUMMARY



MARILLANA PROJECT CID (Cut-off grade: 52% Fe)							
Resource Classification	Tonnes (Mt)	Fe (%)	CaFe (%)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	P (%)	LOI (%)
Indicated	84.2	55.8	61.9	3.6	5.0	0.097	9.8
Inferred	17.7	54.4	60.0	4.3	6.6	0.080	9.3
TOTAL	101.9	55.6	61.5	3.7	5.3	0.094	9.7

Mineral Resources are inclusive of Ore Reserves

### **APPENDICES** MARILLANA RESERVE SUMMARY



# MARILLANA DETRITAL ORE RESERVES\*Reserve ClassificationMtFe<br/>(%)

		(%)
Proven	133	41.6
Probable	868	42.5
TOTAL	1,001	42.4

MARILLANA CID ORE RESERVES*							
Reserve Classification	Mt	Fe (%)	CaFe* (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)
Probable	48.5	55.5	61.5	5.3	3.7	0.09	9.7
TOTAL	48.5	55.5	61.5	5.3	3.7	0.09	9.7

\*CaFe represents calcined Fe and is calculated by Brockman using the formula CaFe = Fe% / ((100-LOI%)/100)

### **COMPETENT PERSON'S STATEMENT**



The information in this presentation that relates to Mineral Resources and Ore Reserves is based on information compiled by Mr I Cooper, Mr J Farrell and Mr A Zhang.

The Ore Reserves statement has been compiled in accordance with the guidelines defined in the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code – 2004 Edition). The Ore Reserves have been compiled by Mr Iain Cooper, who is a Member of Australasian Institute of Mining and Metallurgy and a full time employee of Golder Associates Pty Ltd. Mr Cooper has sufficient experience in Ore Reserve estimation relevant to the style of mineralisation and type of deposit under consideration to qualify as Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Mineral Resources and Ore Reserves". Iain Cooper consents to the inclusion of the matters based on this information in public releases by Brockman, in the form and context in which it appears.

*Mr J Farrell, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Golder Associates Pty Ltd, produced the Mineral Resource estimates based on the data and geological interpretations provided by Brockman. Mr Farrell has sufficient experience that is relevant to the style of mineralisation, type of deposit under consideration and to the activity that 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 Resource and Ore Reserves". Mr Farrell consents to the inclusion in this presentation of the matters based on his information in the form and context that the information appears.* 

Mr A Zhang, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Brockman, provided the geological interpretations and the drill hole data used for the Mineral Resource estimation. Mr Zhang has sufficient experience that is relevant to the style of mineralisation, type of deposit under consideration and to the activity that 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 Resource and Ore Reserves". Mr Zhang consents to the inclusion in this presentation of the matters based on his information in the form and context that the information appears.

The information in this presentation that relates to exploration results is based on information compiled by Mr A Zhang, who is a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Brockman Resources Limited.

Mr Zhang has sufficient experience that is relevant to the style of mineralisation, type of deposit under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the 'Australasian Code for Reporting of Exploration Results'. Mr Zhang consents to the inclusion in this presentation of the matters based on his information in the form and context that the information appears.