

# Melbourne Mining Club - Cutting Edge

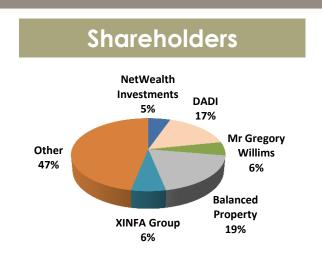
15 September 2015

Diversified Commodities – Deliberate Focus

ASX: MMI

## CORPORATE SNAPSHOT

Capital Structure 9 September 2015				
Share Price	8.1c			
Shares on Issue	358.5m			
Market Cap	A\$29.0m			
Options	10.7m			
Cash	A\$6.8m			
Debt	Nil			
Enterprise Value	A\$22.2m			



### Funding

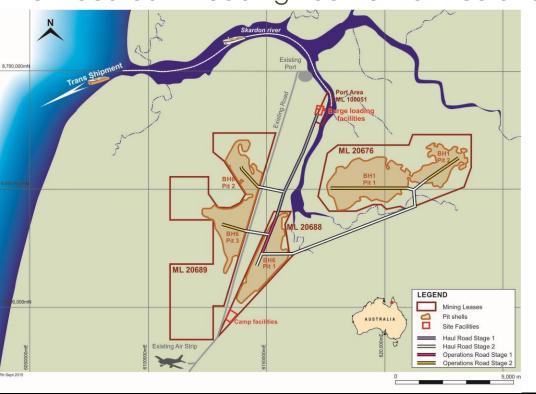
Metro Mining has just completed a successful A\$5.6 Million fundraising comprising a A\$2.0 Million Placement and a A\$3.6 Million Rights Issue.

- Metro Mining's recent fundraising confirms the great support we have from shareholders and also reaffirms the merit of the company's flagship project - the Bauxite Hills project.
- In these difficult market conditions it is notable that Metro Mining has been successful in raising significant funds and receiving support from underwriters.
- As a result of our funding the company is now well financed to finalise pre-development work on the Bauxite Hills Project.



# Bauxite Hills Overview

Well Located in Leading Bauxite Province of Cape York, in Queensland, Australia



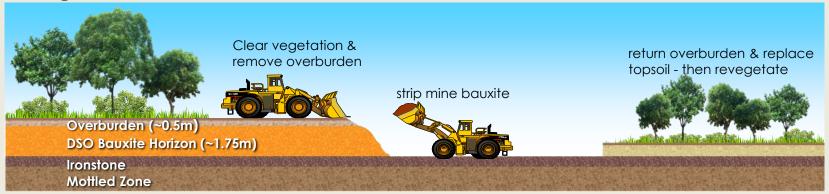
- Reserves of 48.2Mt\*
  - 50.2% total Al<sub>2</sub>O<sub>3</sub>
  - 38.4% THA
  - 6.4% RxSi
- Product quality comparable to Weipa
- Nearby existing infrastructure
- Positive community engagement



\* ASX Release 2 June 2015

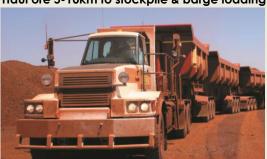
# Simple Operation

### Mining



### **Transportation**

Haul ore 5-10km to stockpile & barge loading



Barge ore 10km down Skardon River



Tranship to bulk carrier, for export





## Bauxite Hills - Ticking all the Boxes

## **High Margin Development Opportunity**





PFS demonstrates robust economics with post-tax NPV 15% of A\$197 M and 88% IRR\*\*

27 years\* mine life following recent Reserve increase

Up to 2Mtpa\*\* Direct Shipping Ore (DSO) operation targeting Q3 2016 production

Definitive Feasibility Study nearing completion

Positive Market Fundamentals with increasing demand and positive outlook

Quality high product in available  $Al_2O_3$  with third party confirmation of DSO product suitability

Strong community support from Cape York stakeholders with Native Title progressing well

\*Refer ASX Release 2 June 2015. Metro confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and have not materially changed as per Listing Rule 5.19.2 \*\* Refer ASX Release 17 Feb 2015



## Pre-Feasibility Study – Key Outcomes

## Completed in February 2015 – Simple Operation & Robust Economics



### Operational Metrics

Production Rate	Up 2 Mtpa* DSO
Strip Ratio (waste to ore)	1:10
Mine Life	27 years*
Construction Start	Q2 2016
First Production	Q4 2016

Financial Metrics** (Real)	
NPV (15%) after tax	A\$197m
IRR (100% Equity)	88%
Construction Capex	A\$27.4m
Sustaining Capex (LOM)	A\$18.1m
Average Operating Cost (FOB)	A\$26.7/t
Average Price Received (FOB)	A\$55.3/t
Average Cash Margin (FOB)	A\$28.6/t
Average Annual NPAT	A\$37.9m
Capital Payback from 1st production	1.1 years

\*Refer ASX Release 2 June 2015. Metro confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and have not materially changed as per Listing Rule 5.19.2 \*\* Refer ASX Release 17 Feb 2015



## Pre-Feasibility Study - CAPEX & OPEX

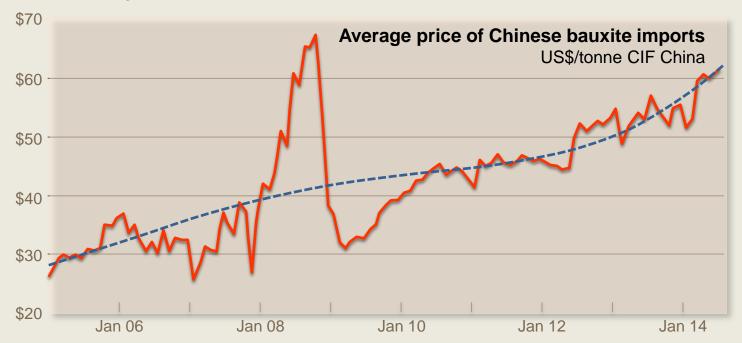
## Low CAPEX & OPEX\*

Capital Expenditure (A\$m)		Operational Expenditure (A\$/t)	
Mine Access (Haul Road)	2.8	Mining Cost to ROM stockpile	3.0
Mine & Barge Loading Infrastructure	10.6	Crush, Load and Barge costs	10.5
Mine Camp & Airport	5.0	Off Mine costs (inc marketing)	6.8
Mining Equipment	2.5	Sub-Total Site & Overhead Costs	20.3
Contingency & Owners Costs	6.5	Royalties	6.4
Total Capex	27.4	Total Cost to FOB Inc. Royalties	26.7



# Demand Driven Price Growth

- Bauxite has experienced strong price growth in the past decade, growing at ~8% pa
- Price growth has been further supported by the Indonesian ban on raw material export in early 2014, resulting in demand outstripping supply

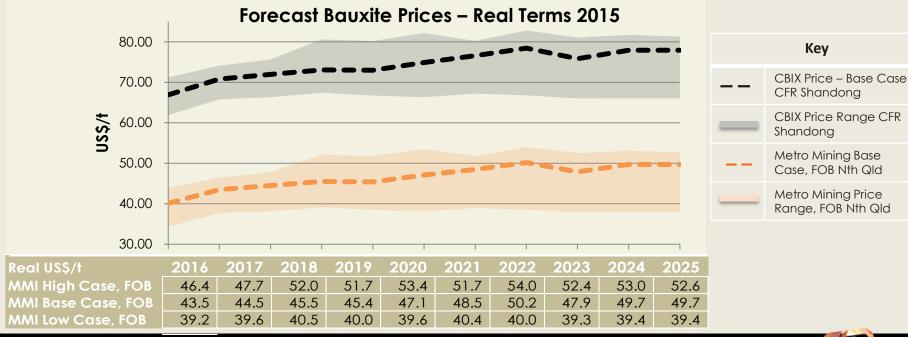


Source: ABX Quarterly Report June 2014



# Price Outlook

- Global growth in aluminium consumption led by China is forecasted to drive bauxite prices
- Metro Mining's bauxite price forecasts are based on independent research by CM Group
- Will be updated in Definitive Feasibility Study



Source: CM Group



# Forecast of China Bauxite Imports

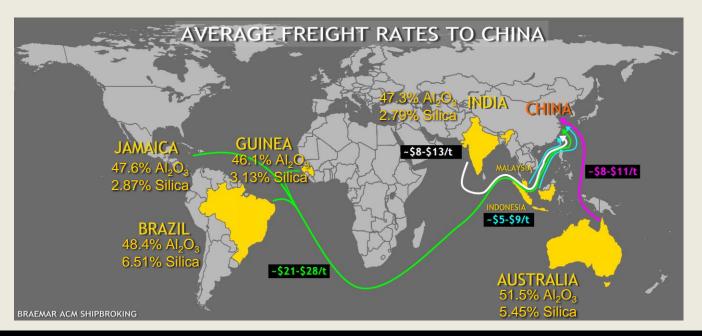


- China imported 22.7
  million tonnes of bauxite
  in first half of 2015. Approx
  75% of imports are low
  temp bauxite
- Indonesian bauxite ban still in place
- Malaysia could export up to 15-20 million tonnes in 2015 however Malaysia bauxite resources are unknown.



# Location Location Location

- Cape York's high quality export grade bauxite with high alumina content and its characteristics are well known to Chinese and other international alumina refineries
- Located close to international shipping routes with low relative freight costs to China





# Permitting

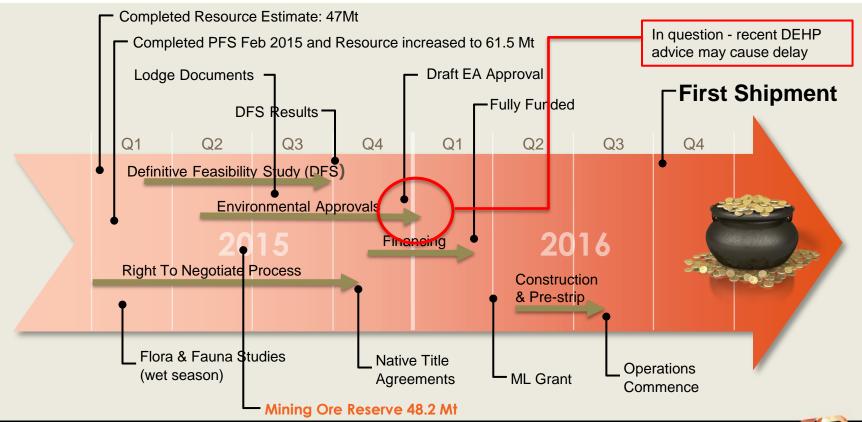


## **Permitting Pathway**

- Previous mining region
- Outside any environmental exclusion zone
- Minimal environmental impact
- Positive local community engagement and support
- Preferred Right to Negotiate process with Native Title owners underway and set to conclude later in 2015
- Environment Authority (EA) was formally accepted on 17 August 2015 by the (DEHP) Queensland Department of Environment & Heritage Protection
- DEHP evaluating between EMP and EIS if the latter we would anticipate a delay of six months.



# Simple Operation



# Product Quality & Marketing



## Off-take Discussions and Marketing Strategy Progressing Well

- Marketability study undertaken by industry consultants CM Group
- Bauxite Hills is product suitable for low temperature refining process used in over 80% of China's current refining capacity
- Recent appointment of China bauxite marketing expert Norman Ting is having desired effect and resulting in excellent exposure to Chinese customers and productive meetings and discussions
- MoU Off-take Agreement signed with major shareholder Xinfa
- Discussions with other Chinese consumers continue to progress well

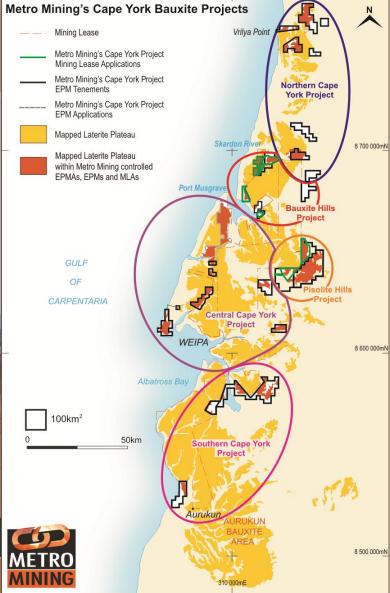


# Future Opportunities

- Pauxite Tenements in Cape York

  1,300sq kilometres of exploration permits in a region well known for its high-quality, export grade bauxite.
- Comprehensive Exploration programme planned for H2 2015
- Opportunity to Increase production by replicating the Bauxite Hills model





# Summary

Attractive Fundamentals	į	Global growth in aluminium consumption Increasing demand for bauxite in China Strong price growth forecasted Focus on DSO quality bauxite	
Favourable Location	:	Western Cape York is known for high-quality export grade bauxite Proposed mine located close to international shipping routes Low freight costs to China	$\overline{\checkmark}$
Robust Economics	•	Simple DSO project	

Off-take opportunities currently in negotiation

Close proximity to existing infrastructure **Ideally Positioned** Near term development of Bauxite Hills Large land holding on Cape York

have not materially changed as per Listing Rule 5.19.2 \*\* Refer ASX Release 17 Feb 2015 ASX: MMI | Melbourne Mining Club Cutting Edge Series | 15 September 2015

\*Refer ASX Release 2 June 2015. Metro confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and

Long mine life (27 years\*)

Low capex and opex

## CORPORATE & CONTACT DETAILS

### **ISSUED CAPITAL (9 September 2015)**

Shares issued | 358.5 million
Unlisted employee and
Directors' Options | 10.7 million
Shareholders | 2,469
Top 20 Shareholders hold 72.4%
of listed shares

#### LARGEST SHAREHOLDERS

Balanced Property Trust | 19.1% DADI Engineering (Group) | 16.4 China Xinfa Group Corp Ltd | 6.3% Mr Gregory Willims | 6.0% NetWealth Investments | 5.4%

#### **EXECUTIVE MANAGEMENT TEAM**

Mr Simon Finnis | Chief Executive Officer Mr Scott Waddell | CFO & Company Sec Mr Mike O'Brien | Project Director

#### REGISTERED OFFICE AND HEAD OFFICE

Level 8, 300 Adelaide St, Brisbane Q 4000 PO Box 10955, Adelaide St, Brisbane Q 4000 Tel: +61 (0) 3009 8000 F: +61 (0) 7 3221 4811

**Email:** info@metromining.com.au **Website:** www.metromining.com.au

#### **BOARD OF DIRECTORS**

Mr Stephen Everett | Independent Non-Executive Chairman
Mr Jijun Liu | Non-Executive Director
Mr Dongping Wang | Non-Executive Director
Mr Ken Xiao | Alternate NED to Mr Liu
Mr Xiaoming Yuan | Alternate NED to Mr Wang
Mr Philip Hennessy | Independent Non-Executive Director
Mr George Lloyd | Independent Non-Executive Director





Mr Lindsay Ward | Independent Non-Executive Director

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Statements and material contained in this Presentation, particularly those regarding possible or assumed future performance, production levels or rates, commodity prices, resources or potential growth of Metro Mining Limited, industry growth or other trend projections are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Graphs used in the presentation (including data used in the graphs) are sourced from third parties and Metro Mining has not independently verified the information. Metro Mining is at an early development stage and while it does not currently have a operating bauxite mine it is taking early and preliminary steps (such as but not limited to Prefeasibility studies etc.) that are intended to ultimately result in the building and construction of an operating mine at its project areas. Although reasonable care has been taken to ensure that the facts stated in this Presentation are accurate and or that the opinions expressed are fair and reasonable, no reliance can be placed for any purpose whatsoever on the information contained in this document or on its completeness. Actual results and developments may differ materially from those expressed or implied by these forward looking statements depending on a variety of factors. Nothing in this Presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction.

#### Technical information about the Bauxite Hills Project.

The information in this report that relates to Exploration Results is based on information compiled by Neil McLean who is a consultant to Metro Mining and a Fellow of the Australian Institute of Mining and Metallurgy (F.AusIMM). Mr McLean has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 McLean consents to the inclusion in the report of the matters based on information in the form and context in which it appears.

The information in this report that relates to Mining and Reserves is based on information compiled by MEC Mining and reviewed by Maria Joyce, a Competent Person who is a Chartered Engineer of the Australasian Institute of Mining and Metallurgy. The information in this report to which this statement is attached that relates to the "Metro Mining – Bauxite Hills" Reserve Estimate based on information compiled by Maria Joyce, a consultant to Metro Mining and a Competent Person who is a Chartered Engineer of the Australasian Institute of Mining and Metallurgy. Maria Joyce is the head of the Technical Services division and full-time employee of MEC Mining Pty Ltd. Maria Joyce has sufficient experience that is relevant to the style of mineralization, type of deposit under consideration and to the activity being undertaken 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'. Maria Joyce consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

### With reference to resources in the Metro Mining Thermal Coal Resource in the Surat Basin.

The information in this Announcement that relates to the Compilation of existing data and Exploration Results is based on information compiled by Mr Ed Radley who is a Member of the Australian Institute of Mining and Metallurgy (MAusIMM) (Membership No 300512). Mr Ed Radley is an independent Geological Resource Consultant retained by Metro **Mining** Limited. Mr Ed Radley 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 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Ed Radley has consented in writing for inclusion in this announcement the matters based on the information in the form and context it appears. The JORC Code 2004 Information has not been updated to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

