

## **Murchison Metals**

Investor Roadshow – April 2010

An emerging world class iron ore and infrastructure company

Paul Kopejtka, Executive Chairman Trevor Matthews, Managing Director







### **Overview**

murchison

- Leading emerging iron ore and infrastructure group in Western Australia
- Strategic alliance with Mitsubishi Development
- World-Class Businesses
  - Crosslands Resources Ltd (50%)
  - Oakajee Port & Rail (50%)
  - Rocklea Iron Ore Project (100%)
- Financial Strength
  - Cash on hand, Mitsubishi to make substantial equity payment plus provide debt support
- Included in the S&P ASX 200 Index



# **Strong Board**

**Trevor Matthews** 





Paul Kopejtka Executive Chairman Mr Kopejtka is a founding director of Murchison Metals with over 20 years experience in the mining industry as an engineer and



**Rodney Baxter** Non-Executive Director Mr Baxter has nearly 20 years experience in the resources sector, most recently as Managing Director of Consolidated Minerals. Prior to Consolidated Minerals, Mr Baxter enjoyed a near 10 year career at Anglo American and Anglo Platinum in various senior executive and business development roles.



Managing Director Mr Matthews is a CPA and a Fellow of the Financial Services Institute. Mr Matthews has worked in the resources industry for 20 years and held executive positions with North Limited, WMC Resources Limited and other listed entities in both operational and corporate roles. He has significant experience in corporate governance, project development and finance.



**James McClements** Non-Executive Director Mr McClements has extensive experience in the resources industry and is the co-founder of Resource Capital Funds (RCF), a group of funds that invests in development and growth stage mining companies



Non-Executive Director Mr Woo holds a Masters degree in Mining Engineering. He has extensive experience in the natural resources industry and has managed POSCO investments in iron ore and coal projects globally including Australia and Brazil . Mr Woo is currently Managing Director of POSCO Australia Pty Ltd which is a 100% subsidiary of POSCO

# **Experienced Management Team**





Paul Kopejtka Executive Chairman



Trevor Matthews

Managing Director



John Westdorp
Chief Financial Officer
Significant project financing experience and background with Newmont, North Limited and Robe River Iron Associates.



Chris Foley
Company Secretary / Legal Counsel
Over 20 years of experience in private
practice and various corporate roles in the
resources sector.



Luca Rocchi
Chief Mining Engineer
Significant mining experience. Former
Manager Resource Strategy for BHP Billiton,
Illawarra Coal.



Sean Gregory
Chief Geologist
Former Principal Geologist for BHP
Billiton Iron Ore.



Ian Gillings
Infrastructure Adviser
Extensive debt and infrastructure
advisory experience.



Brett Clark
Major Projects Adviser
Extensive executive level
experience in the mining industry,
including IOC, Rio Tinto and
Western Mining Corporation.



Jamie Wright

Manager Corporate Development

Corporate advisory and business
development experience.

# **Capital Structure**



•	Shares	435.4m
•	Options	12.4m
•	Market Cap. (A\$3.00/share)	A\$1.3bn
•	Listed on ASX with code	MMX

#### **Major Shareholders**

•	Harbinger Capital	19.5%
•	POSCO	11.6%
•	Board	10.0%
•	Sinosteel	5.8%

#### **Strong Financial Position**

- Cash & Investments (Dec09) of A\$102m, no debt
- Mitsubishi required to make further payment to complete acquisition of interest in the Mid West businesses
- Mitsubishi Development Umbrella Financing Agreement

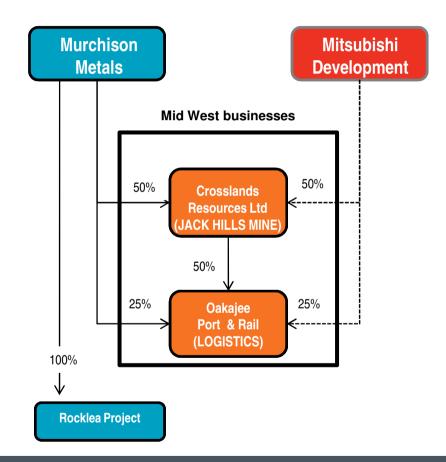




## **Corporate Structure**

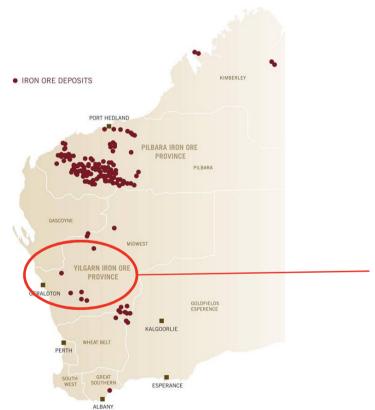


- Mid West businesses
  - 50% Crosslands Resources (CRL)
    - Iron ore mining company
    - Stage 1 producing, Stage 2 studies underway targeting major expansion
    - MDP to make additional payment
  - 50% Oakajee Port & Rail (OPR)
    - Exclusive rights to develop deepwater port and northern rail infrastructure
    - Multi-user open access regime
- 100% Rocklea iron ore project
  - Pilbara location
  - Shallow resource
  - Scoping study completed
  - Viable project subject to transport solution.



### Mid West businesses







# First class joint venture with Mitsubishi



- Established in 2007 with Mitsubishi Development making an initial A\$150million payment
- Further substantial payment to come in order to secure its 50% interest in Crosslands and OPR
  - Residual Payment based on 50% of the assessed value of Jack Hills Stage 2 Project
  - Due after completion of BFS's
- Additional obligation to manage the arranging of debt financing of the mine and infrastructure, with further funding obligations in favour of Murchison, including:
  - \$200m deferred carry funding
  - \$200m contingent capital funding

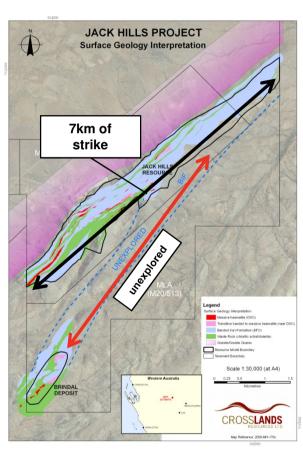
### 3.0 Billion Tonnes in Resources



• Current project:

Resources <sup>1</sup>	Tonnes (millions)	Fe Grade (%)
BFO	2,864.9	30.6
DSO	110.5	56.9
Near DSO / Jig	39.4	45.0
Total	3,014.8	31.7

- Two thirds of the total Mineral Resource is of Measured or Indicated categories
- Upside:
  - Drilling at Brindal underway recent intersections include 100m @ 67.5% Fe
  - Open at depth
  - Additional DSO and BFO targets identified



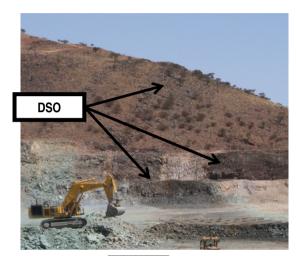
Slide 9

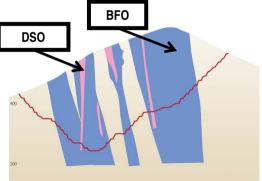
<sup>&</sup>lt;sup>1</sup>Refer to ASX announcement dated 22 December 2009 for full details of the Jack Hills Mineral Resource, and 31 March 2010 for full details of the Brindal drilling results. The DSO Mineral Resource comprises of 41.7Mt of Measured, 43.5Mt of Indicated, and 25.3Mt of Inferred, the BFO Mineral Resource comprises 635.3Mt of Measured, 1,289.6Mt of Indicated and 940.1Mt of Inferred and the Near DSO comprises 6.6Mt of Measured, 19.1Mt of Indicated and 13.6Mt of Inferred. The DSO is Massive Iron Mineralisation above 50% Fe. The Near DSO is Massive Iron Mineralisation below 50% Fe. The BFO is Banded Iron Formation above 22% Fe. Jack Hills tonnes are dry metric tonnes.

## **Crosslands targeting 25-35mtpa**



- 25 35mtpa targeted initially as part of Stage 2
- Dual production strategy: DSO + BFO plants
- 3 basic products identified
  - Up to 10mtpa DSO (premium product)
  - 67% Fe Magnetite product sinter / pellet feed market
  - 65% Fe Hematite product sinter / pellet market
- Selectively mine DSO at the front end of operations
- Targeting low strip ratios (<1:1)</li>



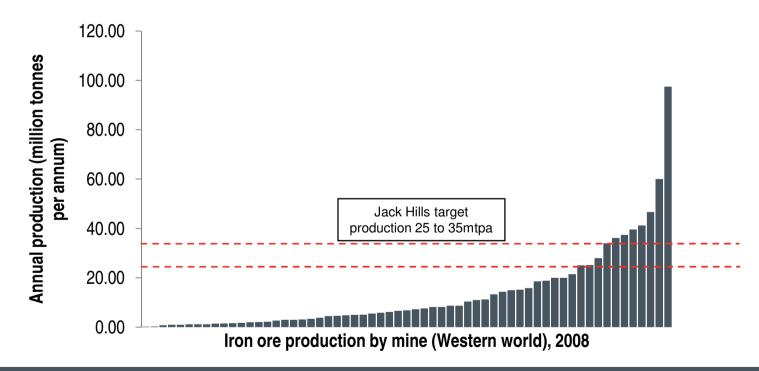


Generalised cross-section at Jack Hills

# Globally significant project



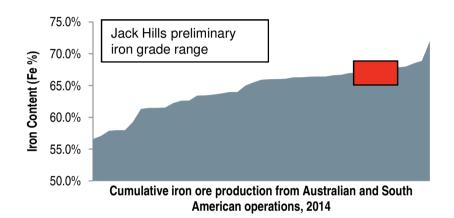
• With a target initial production rate of between 25 to 35mtpa, Jack Hills is now of a global scale.

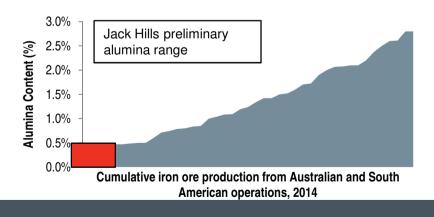


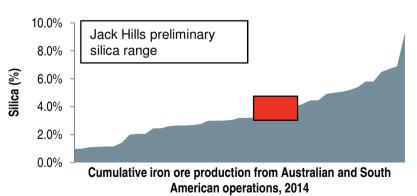
# **Preliminary product chemistry is attractive**



- Preliminary product chemistry highlighting:
  - Comparable silica
  - Ultra low alumina
  - Ultra low phosphorous
  - Attractive product grade







Slide 12

### **Close to markets**



Australia is the premier location to service the burgeoning North Asian steel market



# Oakajee Port & Rail (OPR)



- Advanced studies for Oakajee deepwater port and associated heavy haulage railway
- Potential foundation customers identified:
  - Crosslands Resources (Murchison/Mitsubishi)
  - Weld Range (Sino Steel / Midwest)
  - Karara (Gindalbie / Ansteel)
- Strong demand for capacity, initial configuration now targeting 45mtpa.





## **Draft BFS completed**



- Draft BFS delivered to Western Australian Government on 29 March 2010.
  - 45mtpa integrated port and rail system
  - Demonstrated technical and operational feasibility.
  - Cash operating and overhead costs of approximately \$300m per year
  - Now engaging with foundation customers with target to finalise BFS in September 2010

#### **OPR Draft BFS Capital Costs<sup>1</sup>**

Capital Item	A\$ million
Above Rail (including Rolling Stock)	\$ 422
Below Rail (includes 546km of track)	\$1,805
Port PUI Facility (Private User)	\$1,178
Contingency	\$ 343
TOTAL OPR COSTS (Excluding Govt Contribution)	\$3,748
Port CUI (proposed finance by Govt Contribution)	\$ 565
Contingency	\$ 60
TOTAL CUI Costs (Common User)	\$ 625
TOTAL PROJECT COSTS	\$4,373

Slide 15

# Strong support from potential customers



- "...secure the transport of our iron ore products initially through Geraldton and then to Oakajee Port when it becomes available." ASX Announcement, Gindalbie Metals, 12 April 2010
- "..it is Oakajee that will facilitate the future growth of the project to 30Mtpa and above.
   I would like to acknowledge the vision of the Western Australian Government and its strong support for the development of Oakajee" CEO report, Gindalbie Metals 2009 Annual Report
- "..the Weld Range project is expected to produce 15 million tonnes per annum and will be a cornerstone project to export out of the proposed Oakajee Port." SinoSteelMidWest Corporation website

# Oakajee Port & Rail (OPR)





# **OPR has strong Government support**

- Strong State and Federal Government support
- State Development Agreement for port and rail
  - Exclusive rights to develop Oakajee Port and northern rail infrastructure
  - Caps Geraldton exports to 12Mtpa
  - Crystalises Murchison's position as major strategic player in the region
  - Project approvals facilitation
- State and Federal funding commitments of A\$678million for common use infrastructure
  - Decreased project risk





OPR CEO, John Langoulant with WA Premier, Colin Barnett

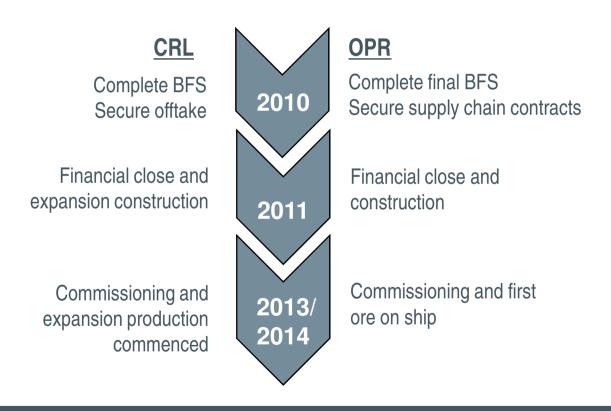


Prime Minister of Australia, Kevin Rudd, on a visit to Geraldton

# 2010 will be a watershed year



Murchison's major projects are aligned to deliver in 2010



# **Rocklea Iron Ore Project**



- Murchison 100%
- 89Mt @ 59.9% Calcined Iron, including 46Mt @ 61.5% CaFe<sup>2</sup>
- Scoping completed Positive study results **Port Hedland** Anketell Point Require transport solution Cape Lambert Cape Preston 😅 **Marble Bar Pannawonica** Onslow Mesa J West Pilbara Cloud Break Brockman 🔊 Marandoo BHP Yand **⊗** Roy Hill Tom Price Rocklea Project Mt Whaleback M Jimblebar **Proposed Major Mines** Robe Pisolite **Newman** Brockman Iron Formation Marra Mamba Iron Formation Proposed Railway Northern Pilbara Iron Formations

Slide 20

## Thank you



#### **Disclaimer**

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#### **Competent Persons' Statement**

The information in this announcement that relates to Exploration Results and geological and mineralogical interpretations of the Mineral Resource estimate of the Jack Hills Project is based on information compiled by Mr Roland Bartsch who is a full time employee of Crosslands Resources Ltd. The information in this announcement that relates to Exploration Results and geological and mineralogical interpretations of the Mineral Resource estimate of the Rocklea Project is based on information compiled by Mr Sean Gregory who is a full time employee of Murchison Metals Ltd. The information in this announcement that relates to grade estimation of the Mineral Resources of the Jack Hills and Rocklea Projects is based on information compiled by Mr Bruce Sommerville in his capacity as an employee of SRK Consulting. Messrs Bartsch, Gregory and Sommerville have sufficient experience which is relevant to the style of mineralisation and types of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Persons as defined in the 2004 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves'. Messrs Bartsch, Gregory and Sommerville are Members of the Australasian Institute of Mining and Metallurgy and consent or have consented to the inclusion in the report of the matters based on their information in the form and context in which it appears.

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