

# Central Eyre Iron Project A Closer Look

Community update and discussion Lock, South Australia, 20 February 2012









### Disclaimer



#### Forward-Looking Statements

This presentation contains forward looking statements concerning the projects owned by Iron Road Limited. Statements concerning mining reserves and resources may also be deemed to be forward looking statements in that they involve estimates based on specific assumptions. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward looking statements as a result of a variety of risks, uncertainties and other factors. Forward looking statements are based on management's beliefs, opinions and estimates as of the dates the forward looking statements are made and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments. Data and amounts shown in this presentation relating to capital costs, operating costs and project timelines are internally generated best estimates only. All such information and data is currently under review as part of Iron Road Limited's ongoing development and project studies. Accordingly, Iron Road Limited cannot guarantee the accuracy and/or completeness of the figures or data included in the presentation until the project studies are completed.

#### Competent Person's Statements

The information in this report that relates to Exploration Results is based on and accurately reflects information compiled by Mr Larry Ingle, who is a fulltime employee of Iron Road Limited and a Member of the Australasian Institute of Mining and Metallurgy. Mr Ingle has sufficient experience relevant to the style of mineralisation and the type of deposits 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 Ingle consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to Mineral Resources is based on and accurately reflects information compiled by Mr Iain Macfarlane and Mr Alex Virisheff, both of Coffey Mining Ltd, who are consultants and advisors to Iron Road Limited and Members of the Australasian Institute of Mining and Metallurgy. Mr Macfarlane and Mr Virisheff have sufficient experience relevant to the style of mineralisation and the type of deposits under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Macfarlane and Mr Virisheff consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

#### **Exploration Targets**

It is common practice for a company to comment on and discuss its exploration in terms of target size and type. The information in this presentation relating to exploration targets should not be misunderstood or misconstrued as an estimate of Mineral Resources or Ore Reserves. Hence the terms Resource(s) or Reserve(s) have not been used in this context. Any potential quantity and grade is conceptual in nature, since there has been insufficient work completed to define them beyond exploration targets and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

## A Closer Look – Lock Agenda



#### Registration and refreshments

- Welcome and introductions
- Introduction to Central Eyre Iron Project Questions and answers
- Community engagement Questions and answers
- 4. Where to from here?
- 5. Feedback Stations
  - i. Benefits
  - ii. Challenges
  - iii. What do you most value about your township/community?



### Welcome



#### Welcome to a Closer Look at the Central Eyre Iron Project

The purpose of this community meeting is to:

- Update you with the current status of our work
- Hear your views on topics that are of interest to you, and
- Learn more about your expectations and how we might manage or incorporate ideas

#### Following this presentation:

- We will explain our community engagement processes
- You will have an opportunity to discuss ideas with project staff



# Central Eyre Iron Project

Iron Road Iimited

- Centrally located on Eyre Peninsula, SA
- Large, scalable, low grade, iron ore (magnetite) project, with low variability
- Largest iron ore resource in South Australia and growing
- Mineral resource 2.1 billion tonnes<sup>1</sup>
- Large potential 2.8-5.8 billion tonnes exploration target<sup>2</sup>
- Experienced and knowledgeable team
- Backed by well regarded institutions
- Strong potential for long life project
- Favourable infrastructure options
- CEIP expected to underwrite many other infrastructure projects and upgrades



<sup>&</sup>lt;sup>1</sup> Refer to Competent Persons Statement on page 2. <sup>2</sup> Refer to Exploration Target notes on page 2.



#### Strong quality, innovation and environmental ethic

- Low grade deposit requires innovative approach
- Hyper-saline ground water is contained
- Cereal cropping and irregular rainfall requires sensitive work methods
- Ground work and procedures subject to external audit
- Work is peer reviewed prior to publication





Drill sites are prepared after careful planning

Soil is stockpiled accordingly





Sumps are currently lined

Investigating water and slimes tanks to further reduce impact





Drilling water is currently reticulated to reduce water truck movement, ground compaction, dust and disturbance to residents





Vehicular traffic confined to demarcated zones to minimise crop disturbance





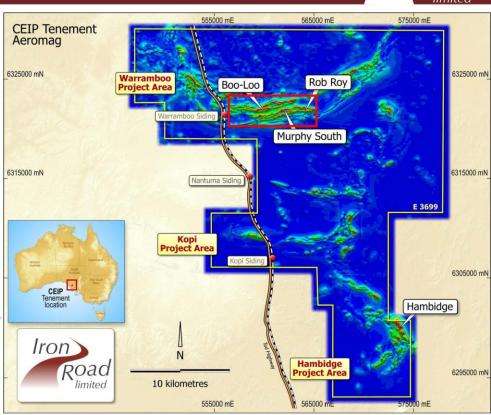
Rehabilitation occurs in consultation with local contractors and land owners



## Prefeasibility Summary

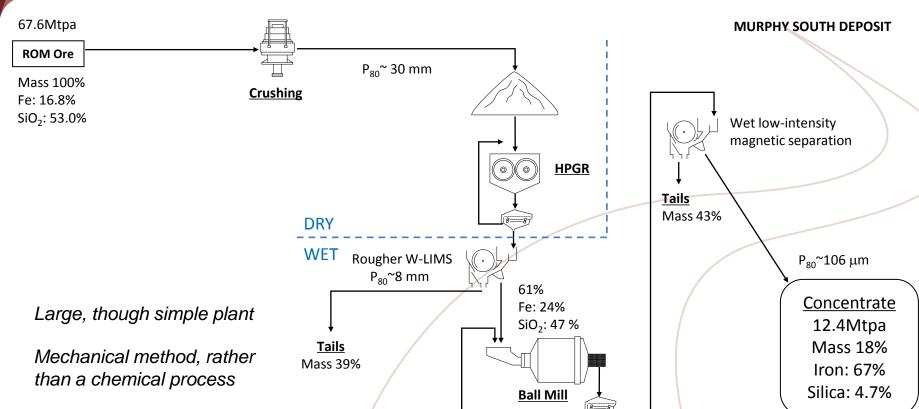
Iron Road <sub>limited</sub>

- Prefeasibility study is an intermediary study examining the project's viability
- Detailed study conducted over 15 months using strong and reputable consultants
- Open pit mining and concentration operations described
- 12.4Mtpa of iron concentrates produced
- Slurry pipeline or rail to the coast
- Power upgrade included
- Desalination plant included
- Simple and efficient beneficiation process using off the shelf processing technology



## Simple Processing





## **Export Solution**



Base case PFS includes slurry pipeline to port

Other options being considered with encouraging results

Rail to port has been considered at scoping level, more detailed rail review underway

PFS includes costs and charges to use a third-party port

Project scale sufficient to justify development of standalone port facility



## A Credible, Long Life Project



#### **Prefeasibility Study Key Findings**

Life of Operation

On PFS mineral resource
 14 years

On exploration target +30 years

Direct Employment

_	Construction	mine		+1000
		port	if selected	250
		rail	if selected	350

- Permanent 480

Numerous indirect employment opportunities





## A Credible, Long Life Project



Infrastructure

Power 275kV line upgrade

Water Desalination plant

Potential port +200,000t vessel capable

Potential rail
 Standard gauge heavy haul alternative to pipeline

DFS Definitive Feasibility Study has commenced.

Staff recruitment almost complete

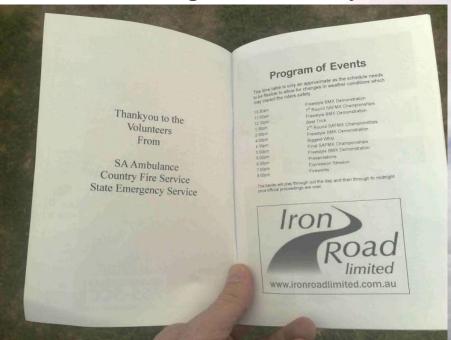
Contractor selection almost complete







#### **Becoming Part of the Eyre Peninsula Community**



Iron Road sponsored the 2009 freestyle MX championships



### **Becoming Part of the Eyre Peninsula Community**





#### WUDINNA AREA SCHOOL WUDINNA 5652 (08) 8680 2393 Telephone (08) 8680 2263



# **Becoming Part of the Eyre Peninsula Community**

7 July 2011

Coughlan Drilling Attention: Dean Coughlan PO 2446 DRY CREEK SA 5094

I'llians pale sal the fuy. the stand to part my the good for the year.

I am writing as a mark of appreciation on behalf of the Warramboo School Bus Drivers who transport our They have expressed their gratitude and appreciation towards your mining company drivers' safety awareness. They have noted that they slow down, acknowledge the school bus and take care not to speed students to and from Wudinna Area School.

or impact on aspects that could be potentially dangerous.

Please pass on our appreciation to the drivers concerned.

Yours Sincerely

maria McCallien

Adherence to strong procedures is important to the project team

Maria McCallum Principal



Major sponsor of the 2011 and 2012 Lock Cup



### **Becoming Part of the Eyre Peninsula Community**



## Where to now – Definitive Feasibility Study



- A Definitive Feasibility Study (DFS) is also known as a Bankable Feasibility Study
- A DFS comprises a variety of individual studies that provide a comprehensive forward analysis of a project's viability
- May be used by financial institutions to assess the credit-worthiness of project financing
- Studies undertaken by Iron Road and its service providers as part of the DFS include:
  - Environmental flora/fauna; water; groundwater; identify current contaminated lands; dust
  - Social impacts traffic; noise; accommodation & housing; local services; education
  - Infrastructure power, rail, desalination plant, pipeline, port
  - Engineering mine and infrastructure design; safety; rehabilitation
- The DFS is underway and will progress throughout 2012
- Results of the DFS will assist with the preparation of a Mining Lease proposal and Program for Environmental Protection and Rehabilitation (PEPR) as required under the Mining Act 1971



#### **Continuing support of local events**

- Lock Cup 2012
- Wudinna Area School 'Pedal Prix'
- Warramboo Breast Cancer Awareness event
- Wudinna Hospital Fundraising Cabaret
- Eyre Peninsula versus Port Adelaide 20/20 Cricket
- Wudinna & Districts SuperSkinz Bowls Tournament
- Wudinna Tennis Club
- Warramboo Christmas Tree Committee
- Central Eyre Peninsula Ag Bureau annual Sticky Beak Day
- Wudinna Show Shearing Competition
- Waddikee Warramboo Cricket Club





#### **Increasing Community and Government Consultation**

Iron Road values its relationships with the communities within which we work

- Routinely meeting with local farmers and council
- Following PFS release, immediately met with impacted farmers, local council, EP radio and newspapers
- Continuing sponsorship of local community and sporting events
- Foundation member of the Eyre Peninsula Mining Alliance



Farmers Q&A session September 2009



#### **Increasing Community and Government Consultation**

#### Moving ahead with

- Stakeholder, government and community engagement supported by user friendly communications
- Closer Look meetings held in Warramboo and Wudinna during September 2011
- Establishment of the CEIP Focus Groups following the Closer Look meetings to identify and address issues and maximise positive outcomes



DMITRE site visit July 2010



#### **Becoming Part of the South Australian Community**

Long life mining operation

- 14 years on PFS mineral resource
   +30 years on exploration target
- Reviewing potential apprenticeships and training in partnership with local TAFE and contractors
- Project philosophy of employ local, house local
- Exploring innovative rosters
   (eg. Potential for job sharing during harvest)
- Local and regional business opportunities (eg. Local procurement where practical)
- Expected direct employment of 480
- Additional 1500 indirect jobs expected
- Providing economic certainty in uncertain times

A South Australian based team

- Currie Street, Adelaide
- Study team recruitment almost complete
- Identification of appropriate consultants for DFS finalised
- Well known Adelaide firm, Gould Thorpe Planning assisting in-house team with community and stakeholder engagement
- CEIP likely to provide much needed infrastructure, justifying development or improving the business case for other initiatives



# Community Engagement – Now and in the Future Central Eyre Iron Project









# What is community engagement?



### Connecting with communities

- Sharing information
- Consultation
- Participation
- Community Involvement





## Iron Road's Commitment



#### We will:

- engage with and respond to communities
- involve communities in shaping a mutually beneficial future
- seek out the views and needs of a diverse range of community interests
- provide information timely, accurate, relevant and accessible
- use methods and tools that reduce barriers to participation and encourage involvement
- report consultation feedback accurately to inform project development



## Why?



- Pool diverse perspectives, knowledge and experience
- Build a positive future collaboratively
- Address the challenges collaboratively
- Improve decision- making





## **Objectives**



- Develop trust build relationships
- Gain an understanding of the community's perceptions of the project's benefits and concerns
- Identify how the community wants to be engaged
- Identify local stakeholders
- Increase understanding of the Central Eyre Iron Project



## Future Engagement



- One of our community relations team members lives here
  - is part of your community
  - is always accessible office at Wudinna Telecentre
  - providing informal coffee-n-chat opportunities at the Town Hall each month
- Form focus groups/community consultative committee
- Continue dialogue with key stakeholders including landowners Councils, indigenous groups, environmental groups and Government agencies
- Dissemination of up to date project information to all interested parties
- DMITRE staff happy to meet with stakeholders to discuss what is expected from Iron Road





### Contact us



- Chat with Vesna face-to-face
- Email us on <a href="mailto:com.au">community@ironroadlimited.com.au</a>
- Visit our website at <u>www.ironroadlimited.com.au</u>
- Register a comment on line through our website's Contact Us menu
- Call our toll free Information Line on 1800 176 008
- Post us your written comments (free post envelope supplied)
- Register as a stakeholder to be invited to consultation events and be kept up-to-date
- Participate in ongoing consultation events











#### Set to become South Australia's premier iron ore mine

Focused on Central Eyre Iron Project (CEIP)

- Strong potential for long life project
- Favourable infrastructure options
- CEIP expected to underwrite many other infrastructure projects and upgrades

#### Now moving ahead with

- Strengthening the Iron Road team further
- Wider government and communities consultation and involvement
- Preparations for definitive feasibility study



IRD board members briefed by Larry Ingle on site



# Thank you for your participation in a Closer Look at the CEIP

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# **Appendices**









# Appendix 1a – CEIP Resource Statement



Central Eyre Iron Project Global Mineral Resource Estimate								
Location	Classification	Tonnes (Mt)	Fe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)	
Murphy South	Indicated	585	16.7	52.9	12.6	0.09	0.3	
	Inferred	421	16.6	52.6	12.7	0.08	1.2	
Boo-Loo	Inferred	328	17.3	52.4	11.5	0.09	2.1	
Total		1,334	16.8	52.7	12.3	0.09	1.0	

The Murphy South and Boo-Loo mineral resource estimates were carried out following the guidelines of the JORC Code (2004) by Coffey Mining Ltd.

# **Appendix 1b – CEIP Resource Statement**



Murphy South Mineral Resource Estimate										
Resource Classification	Oxidation Material Type		Tonnes (Mt)	Fe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)		
	Fresh	Disseminated	272	17.7	52.5	12.0	0.09	0.3		
Inferred	116311	Banded	79	13.3	54.7	14.1	0.07	0.5		
illerreu	Transitional	Disseminated and	27	16.3	50.6	14.0	0.06	5.7		
	Oxide	banded	43	16.4	50.3	14.0	0.06	5.9		
	Total Inferred			16.6	52.6	12.7	0.08	1.2		
Indicated	Fresh	Disseminated	325	19.2	51.6	11.4	0.10	0.2		
muicateu	FIESII	Banded	259	13.6	54.4	14.0	0.08	0.5		
	Total Indicated			16.7	52.9	12.6	0.09	0.3		
	<b>Total Murphy South</b>		1,006	16.7	52.8	12.6	0.09	0.7		

The Murphy South mineral resource estimate was carried out following the guidelines of the JORC Code (2004) by Coffey Mining Ltd.

# **Appendix 1c – CEIP Resource Statement**



Boo-Loo Mineral Resource Estimate								
Resource Classification	Oxidation	Tonnes (Mt)	Fe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)	
	Fresh	277	17.3	52.5	11.5	0.095	0.5	
Inferred	Transitional	13	17.0	52.4	11.6	0.094	10.7	
	Oxide	38	17.2	52.1	11.6	0.094	10.8	
Total		328	17.3	52.4	11.5	0.095	2.1	

The Boo-Loo mineral resource estimate was carried out following the guidelines of the JORC Code (2004) by Coffey Mining Ltd.