

SHREE

# SHREE MINERALS LIMITED

**Nelson Bay River  
Mine Opening**

# DISCLAIMER



- × This presentation contains only a brief overview of Shree Minerals Limited (“Shree”) and its activities and operations. The contents of this presentation, including matters relating to the geology of Shree’s projects, may rely on various assumptions and subjective interpretations which it is not possible to detail in this presentation and which have not been subject to any independent verification.
- × This presentation contains a number of forward-looking statements. Known and unknown risks and uncertainties, and factors outside of Shree’s control, may cause the actual results, performance and achievements of Shree to differ materially from those expressed or implied in this presentation.
- × To the maximum extent permitted by law, Shree does not warrant the accuracy, currency or completeness of the information in this presentation, nor the future performance of Shree, and will not be responsible for any loss or damage arising from the use of the information.
- × The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue. Current and potential investors and shareholders should seek independent advice before making any investment decision in regard to Shree or its activities.

## × COMPETENT PERSON STATEMENT

- × The information in this report that relates to Exploration Results, Mineral Resources and ore Resources is based on information compiled by Mr. Mahendra Pal who is a Fellow of the Australian Institute of Mining and Metallurgy.
- × Mr. Pal is a Director of Shree Minerals Limited.
- × Mr. Pal 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 Competent Person as defined in the 2004 Edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and ore Resources’. Mr. Pal consents to the inclusion in the report of the
- × matters based on his information in the form and context in which it appears.”

## COMPANY MISSION

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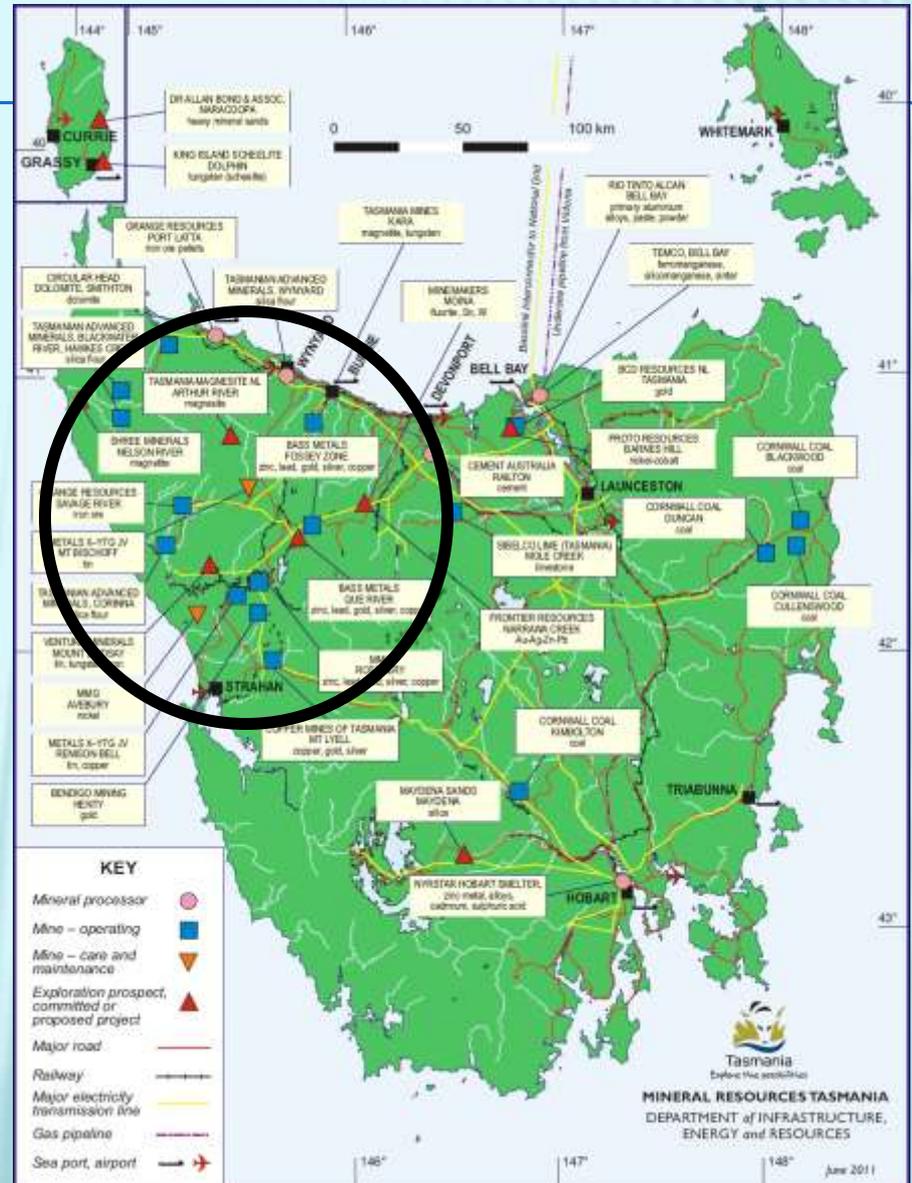
*Shree Minerals is committed to being a sustainable iron ore producer and ensuring that impacts on the natural environment from its operations are absolutely minimised.*

# EXPERIENCED MANAGEMENT TEAM **SHREE**

<b>Sanjay Loyalka (Chairman)</b>	CEO and Managing Director of Aditya Birla Minerals Ltd, (2003-08); Responsible for the acquisition of Nifty & Mount Gordon Copper mines; Development of the Nifty project - 2.5 mtpa underground copper mine in Pilbara;
<b>Mahendra Pal (Director)</b>	Responsible for the discovery of goethitic-hematite at NBR and several iron ore bodies in the Hamersley Basin and Yilgarn Craton, Western Australia.
<b>Robert Reid (Exploration)</b>	B. Science (hons); M.Sc. Economic Geology; 25 years exploration experience in Tasmania and PNG in gold, base metals, tin and iron.
<b>Hugh Gilbrey (Ops Manager)</b>	Dip Metaliferous Mining 30 years mining experience in Iron ore, Gold, Nickel and Limestone
<b>Yue Guan (Mine Manager)</b>	B. Eng; M.Sc. Mining; Experience in various mine engineering roles including drill & blast design, mine planning pit optimisation/design at operations including at Rio Tinto, BHP and Savage River Mine.
<b>David Gibbons (Mine Geologist)</b>	BSc(Geol)(Hons). 10 years exploration and mining geology predominantly in Tasmania.
<b>Delia Tyson (HSET Manager)</b>	BSc Hons Environmental Science 7 years experience in environmental management
<b>Rashmi Loyalka (F &amp; C Manager)</b>	Chartered Accountant; Extensive experience in accounting , taxation , auditing & commercial functions
<b>Lisa Nelson (Enviro Officer)</b>	BSc (Hons) (Geology & Soil Science); MProjMgt. Experience in iron ore exploration and environmental monitoring

# TASMANIA

- Nelson Bay River Project (NBR)
- Located in West Coast of Tasmania
- Forms part of a cluster of a densely mineral endowed area that hosts many world class mines including:
  - *Savage River [Grange Resources]*
  - *Mt Lyell [Vedanta]*
  - *Roseberry [MMG]*
  - *Henty [Unity Mining]*
  - *Avebury [MMG]*

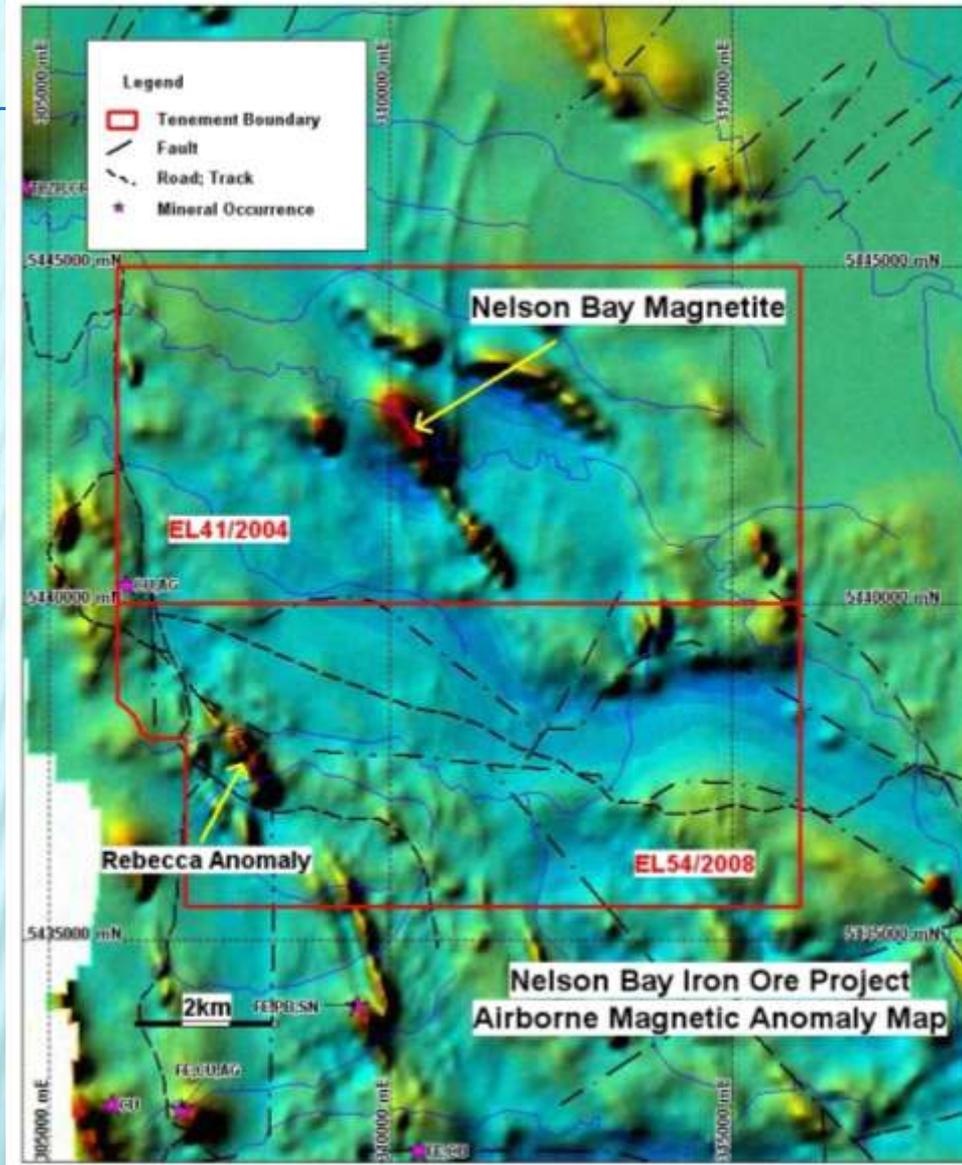


# NELSON BAY RIVER IRON PROJECT SHREE

Shree's Nelson Bay River Iron project, located in North West Tasmania

Nelson Bay River Iron Project

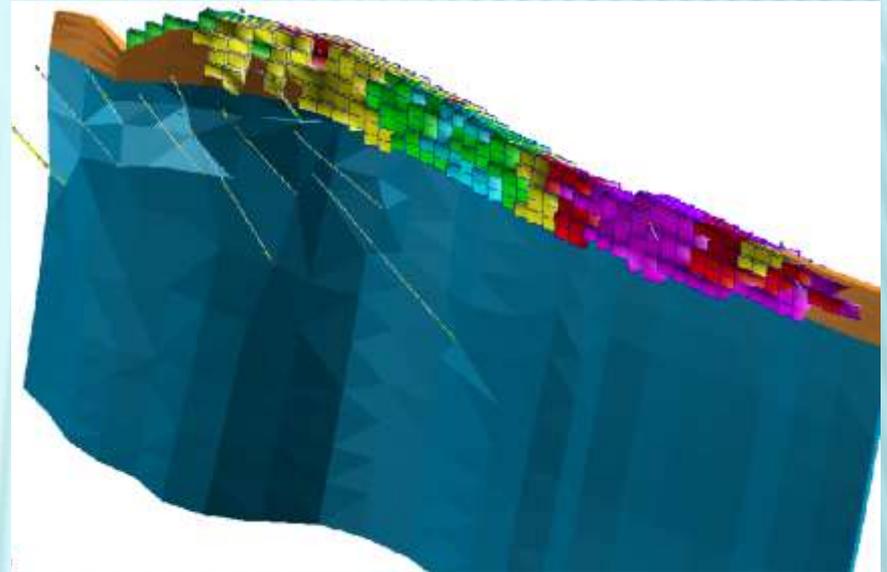




**Current Resource based on limited exploratory drilling at north end (< 1km) of Aeromagnetic (~4 KM long) Anomaly**

# NBR IRON ORE PROJECT

- Global Iron Resource of ~12Mt
- Goethite-hematite Inferred Resource of 1.4Mt
- Magnetite Resources of 7.8 Mt @ 38.3 DTR
  - Capable of producing high-grade concentrates to produce:
    - Blast Furnace (BF) Pellets
    - Dense Media Magnetite (DMM)

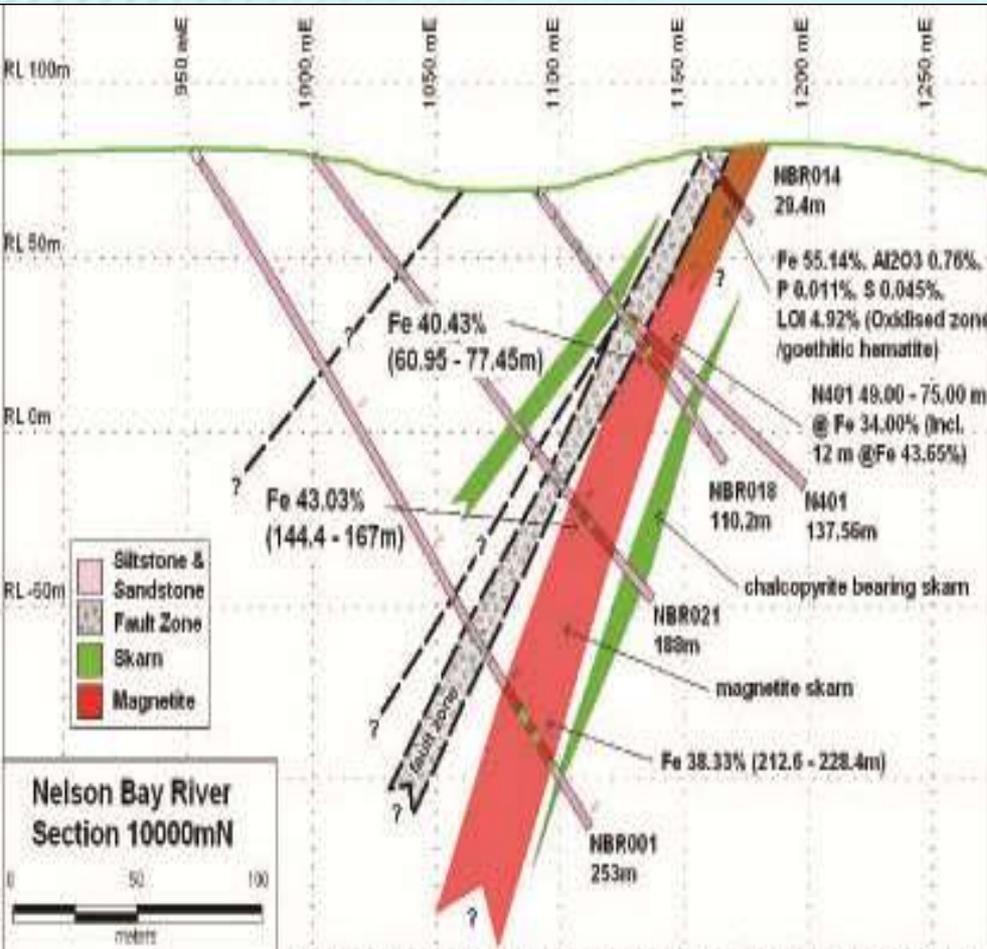


Goethite-Hematite Iron Block Grade Distribution

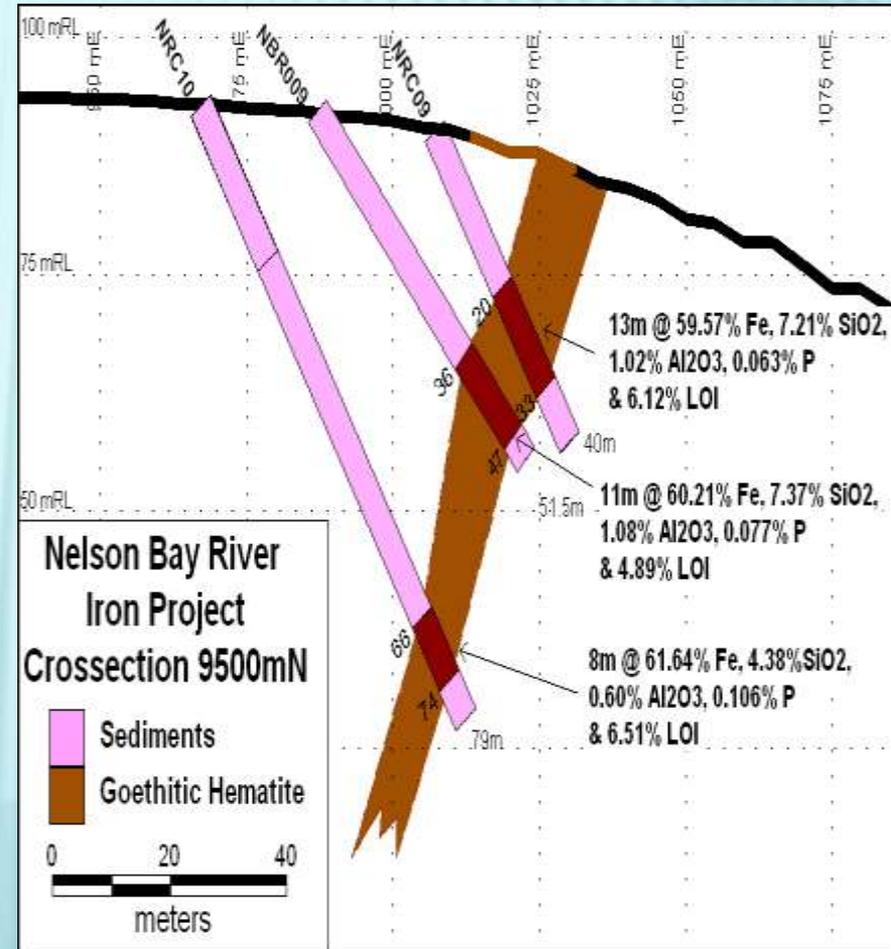
**First Company to conceptualise & discover DSO iron ore in Tasmania .**

# CROSS SECTIONS

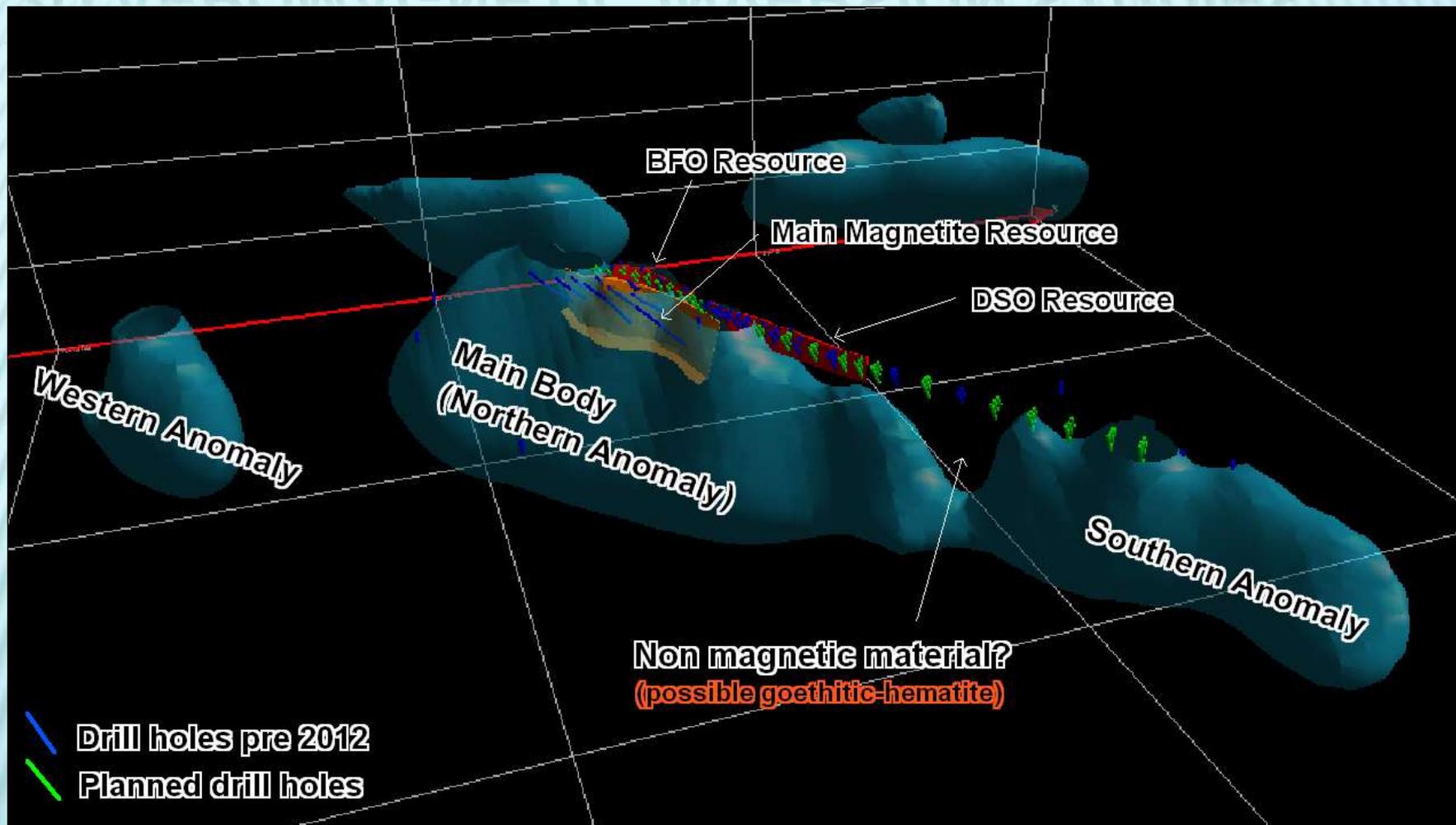
× Magnetite & DSO North Resource



× DSO South Resource



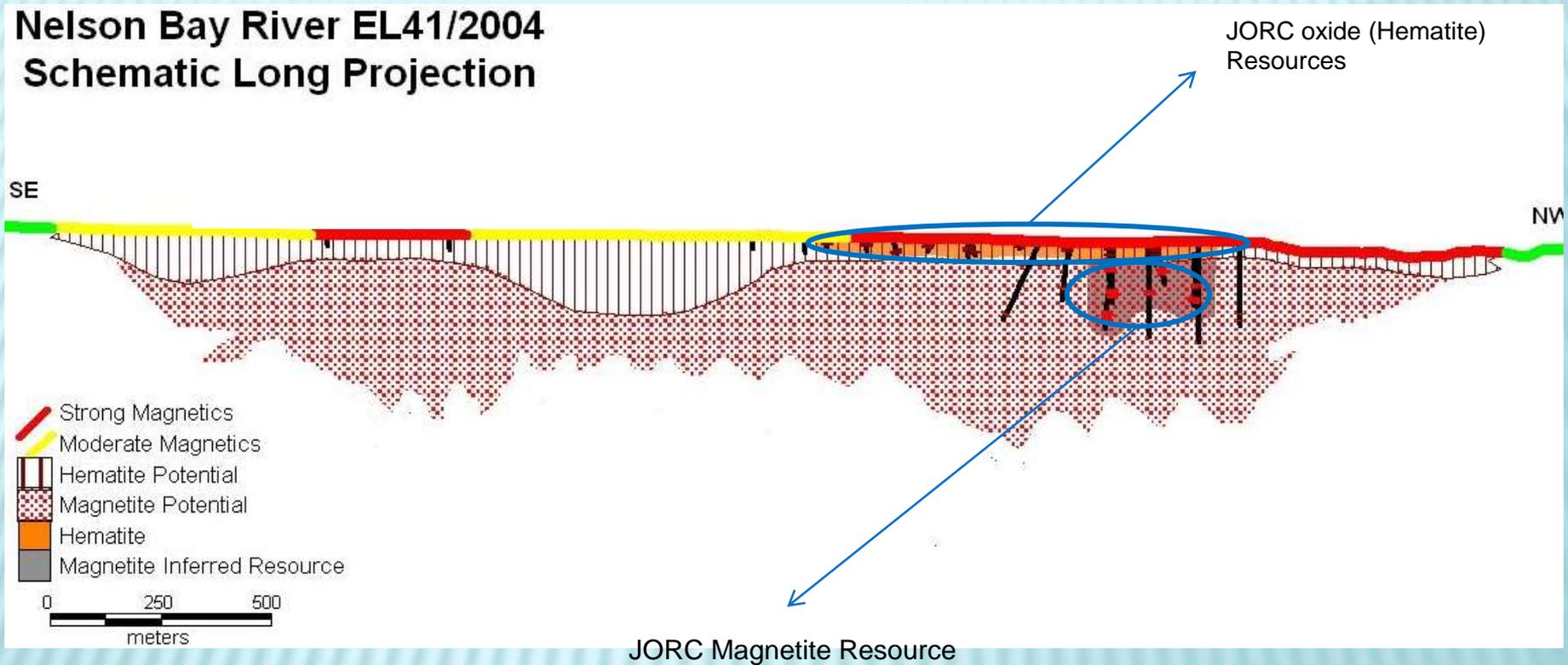
# 3D AEROMAGNETIC INVERSION STUDIES



- Indicates continuation at depth & along strike
- Substantial potential for resource size increase at NBR

# NBR POTENTIAL

## Nelson Bay River EL41/2004 Schematic Long Projection



## Phased approach:

1. Direct Shipping Iron Ore (DSO), with very low deleterious elements (very low  $Al_2O_3$ ) : Lump & Fines;
2. Iron Ore product (Fines & Lump) from Beneficiable goethitic-hematite iron resource;
3. Magnetite concentrates suitable for:
  - Dense Media Magnetite (DMM) separation in coal washery; and
  - High-grade Blast Furnace pellets.



# NBR PROJECT PRODUCTION PLAN

	<b>Unit</b>	<b>Volume</b>
Waste	M <sup>3</sup>	11,627,562
DSO Oxide Ore	tonnes	1,013,359
Magnetite Ore	tonnes	2,902,946
Total Ore	tonnes	3,916,305
Strip Ratio	M <sup>3</sup> /t	2.97
Ore production per year	tonnes	400,000
Years of Production		9.9

**\* Exploration Potential for substantial increase in scale & life**

# EXISTING ROAD NETWORK & PORT FACILITIES



**NBR Project**

**Port Burnie**



Map Projection:  
GDA 1994 MGA Zone 55  
Data sources:  
Base image by TASHAP (C) State of Tasmania  
Base data from theUST (C) State of Tasmania  
Design data pitt&sherry 2011  
Map ref: HB08208\_TransportRoute\_20110213  
Date: 17/02/2011

### Legend

— Proposed Product Transport Route to Burnie (or Port Latta)



Scale: 1:250,000

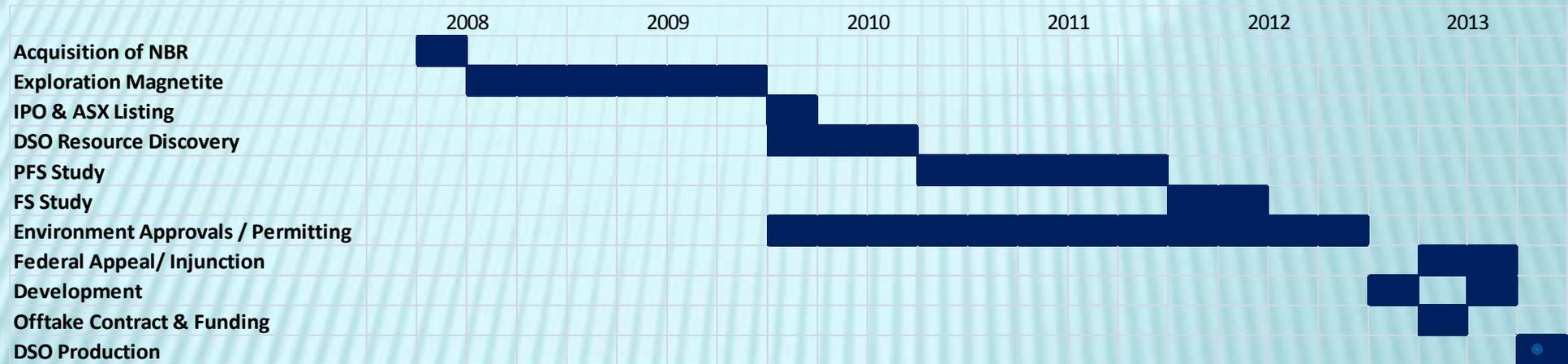


Kilometres

Product Transport Route  
Wuthering Heights Road  
To Bass Highway

# GREENFIELD EXPLORATION TO PRODUCTION

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Nov Production  
Dec 1<sup>st</sup> Shipment

- Fast Track from Greenfield exploration to Producer
- First Greenfield mine in Tasmania in many years
- ..... Despite very long Statutory approval / legal process

# NBR DSO MINE PLAN



× DSO Production (000 tonnes) **914**

+ DSO Starter Pit : 179

+ DSO South Pit : 601

+ DSO North Pit : 134

NB: DSO Starter Pit & South Pit Updated for 2013 drilling

× C1 Costs FOB (A\$/tonne) **59\***

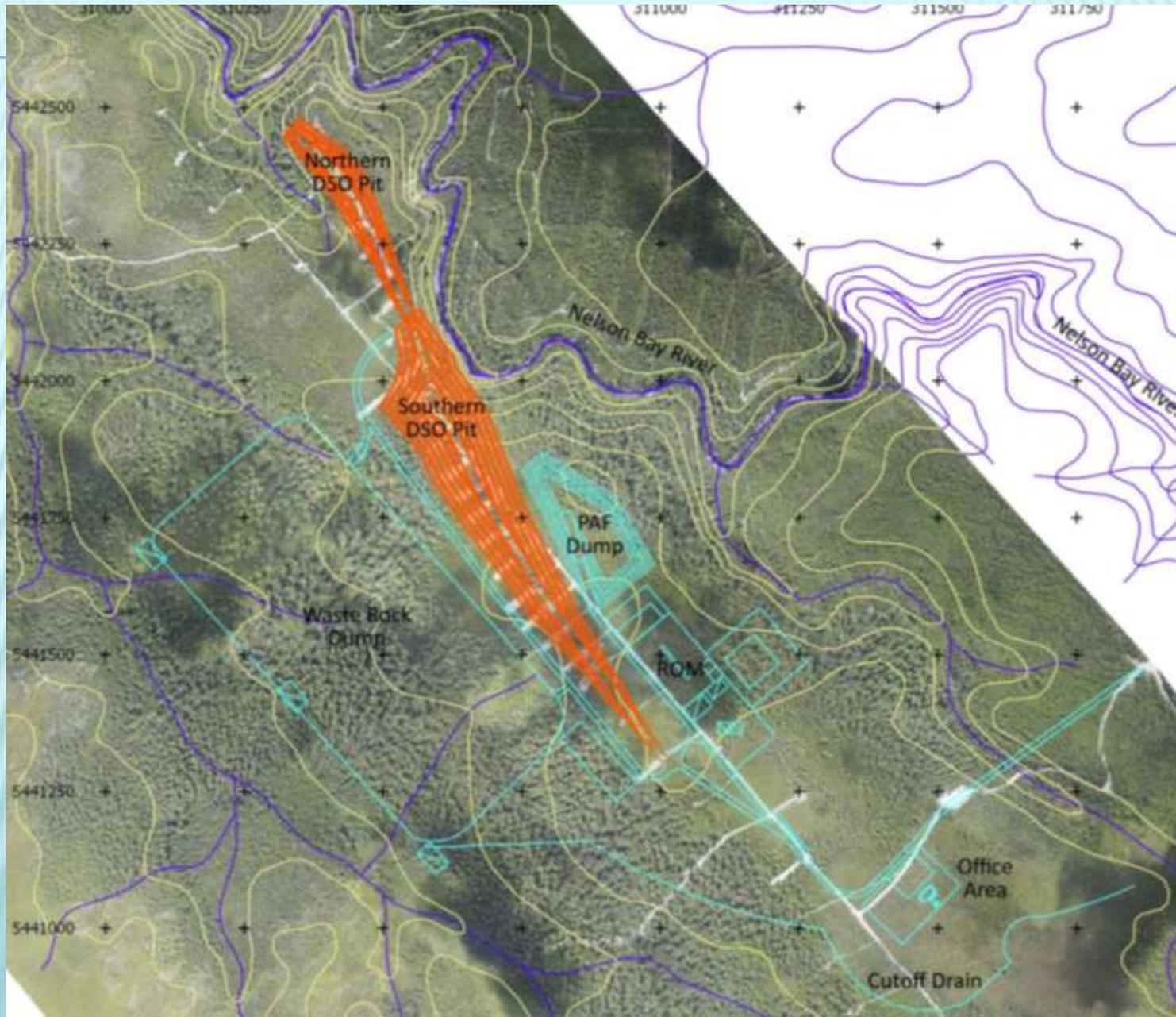
+ Site Costs : 27

+ Off-Site (transport & Port) : 32

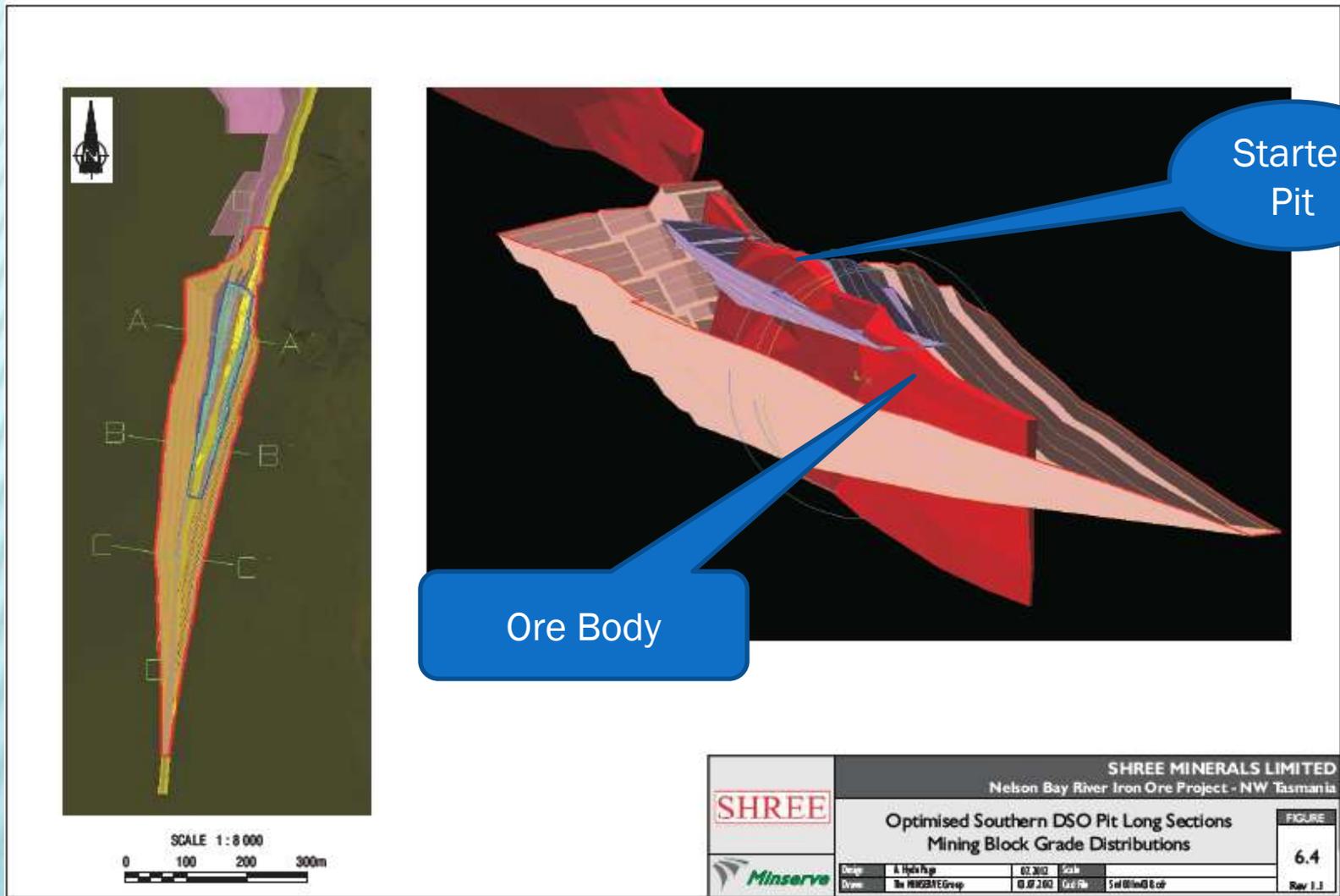
\* Stage 1

# DSO MINE LAYOUT

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# NBR: DSO SOUTH & STARTER PIT



- The starter pit / outcrop allows us to access ore from outset

# NBR DSO PROJECT



Admin / Workshop

Waste Dump

Crusher / Rom

DSO South Pit

# NBR DSO PROJECT

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	<b>Contractor</b>
Drilling	Maxfield
Blasting	Forze
Mining	Collins
Crushing	Fieldwicks
Haulage	CJR
Storage & Ship Loading at Port	TasRail
Port Facilities	TasPorts
Product Off-Take	Frost Global
Survey	Lester Franks
Laboratory	SGS ; ALS

**Experienced Partners (Contractors & Service Providers) to implement NBR DSO**



**THANK YOU**

