

24 March 2015

The Manager Company Announcements Office Australian Securities Exchange

Dear Sir/Madam,

#### PRESENTATION ON BC IRON LTD (ASX:BCI)

Following is a presentation on BC Iron Limited which will be given by Managing Director Morgan Ball at the Mines & Money Conference in Hong Kong on 24 March 2015.

Yours faithfully

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HAYLEY MCNAMARA COMPANY SECRETARY

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### **Mines and Money Presentation**

### Morgan Ball – Managing Director

ASX:BCI 24 Mar '15

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This document has been prepared by BC Iron Limited ("BC Iron") to provide an update regarding the companies to investors.

#### **Past performance**

Past performance information given in this document is given for illustrative purposes only and should not be relied upon as (and is not) an indication of future performance.

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### **ATTRACTIVE INVESTMENT PROPOSITION**

- ✓ **Cost focus**: Achieving success in reducing operating costs
- At target production: NJV operating at 6Mtpa run-rate and Iron Valley operating at initial 4-6Mtpa run-rate
- Quality product: 'Bonnie Fines' a highly sought-after DSO sinter feed and attractively priced relative to Fe grade
- Growth options: Large Mineral Resource base across an attractive mix of operating / development projects and longer term projects and royalties
- Strong partnerships: Productive working relationships with Fortescue (NJV) and Mineral Resources (Iron Valley)
- ✓ **Balance sheet**: Strong cash position and declining debt
- ✓ Upside potential: Strongly leveraged to a recovery in Australian dollar iron ore prices.





### **CORPORATE OVERVIEW**



Ordinary Shares	196.2m
Share Price (at 16-Mar-15)	\$0.39
Market Capitalisation	\$77m
Cash (at 31-Dec-14)	\$110m
Debt (at 31-Dec-14)	\$43m
Enterprise Value	\$10m
Options / Performance Rights	0.7m

Shareholder Breakdown (as at 28-Feb-15)



Share Price vs Iron Ore Price

Enhanced Liquidity (excl. block trades)

2,937

H1

FY15 FY15

1,039

H2

FY14

2,748

H2



### **Research Coverage**



### **BC IRON KEY ASSETS**

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## **BC IRON**

#### Cape Preston East Port

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#### Notes:

Mineral Resources and Ore Reserves are prepared in accordance with JORC guidelines. Refer to appendices for further detail. 1.

Shown on a 100% basis, Reserves include DSO Reserves and BSO Reserves, but exclude DSO stockpiles of 0.5Mt at 54.6% Fe. 2.

### **BC IRON RESERVES / RESOURCES**

### Reserves (Equity Basis)<sup>1</sup>

Project	Tonnes (Mt)	Fe (%)	CaFe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)
Nullagine <sup>2</sup>	21.6	56.5	64.1	3.2	2.2	0.02	12.0
Buckland	134.3	57.6	62.6	6.5	2.4	0.15	8.0
Iron Valley	134.7	58.5	63.0	4.9	3.2	0.17	7.2
Total	290.6	57.9	62.9	5.5	2.8	0.15	7.9

### **Resources (Equity Basis)**<sup>1</sup>

Project	Tonnes (Mt)	Fe (%)	CaFe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)
Nullagine	73.0	52.9	60.1	5.5	4.4	0.02	11.8
Buckland	283.3	56.5	61.4	7.8	2.7	0.14	8.1
Iron Valley	259.1	58.3	62.7	5.4	3.2	0.17	6.9
Sub-total	615.4	56.8	61.8	6.5	3.1	0.14	8.0
Maitland <sup>3</sup>	1,106.0	30.4	30.8	44.0	2.3	0.06	1.2

- 1. Mineral Resources and Ore Reserves are prepared in accordance with JORC guidelines. Refer to Appendices for relevant detail.
- 2. Includes DSO Reserves and BSO Reserves, but excludes DSO stockpiles of 0.4Mt at 54.6% Fe (equity basis).
- 3. Beneficiable feed ore (BFO) that requires beneficiation.





### A producing mine with access to world-class infrastructure.

- Located ~55km north of FMG's Christmas Creek
- Unincorporated joint venture 75% BCI, 25% FMG
  - BC Iron is the manager of the NJV
  - FMG provides rail & port and marketing services
- Capacity to export 6Mtpa FY15 guidance of 5.2-5.6Mt
- C1 cost guidance of A\$47-51/wmt (FOB) for Dec-14 to Jun-15
  - Targeting further sustainable cost savings
- Current mine life of ~5 years, with average remaining LOM strip ratio of 1.5:1

#### Reserves and Resources as at 31 Dec 2014

	Mt	Fe%	CaFe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	P%	S%	LOI
CID Resource	97.4	52.9	60.1	4.4	5.5	0.020	0.015	11.8
DSO Resource	35.2	57.1	64.6	2.2	3.1	0.016	0.012	11.6
DSO Reserve	23.6	57.0	64.7	2.0	2.9	0.015	0.011	11.8
BSO Reserve	5.1	53.8	61.5	3.0	4.4	0.018	0.010	11.8
DSO Stockpiles	0.5	54.6	-	2.8	4.2	-	-	-

Note: refer to NJV Ore Reserves and Mineral Resources announcement on ASX dated 24 February 2015.



### NJV – OPERATIONS









- Contract mining utilising Vermeer and Wirtgen surface miners
- Mine plan has four areas currently mining at Outcamp and Warrigal
- Mine life of ~5 years, with average remaining LOM strip ratio of 1.5:1
- Dry crushing & screening process
- Two crushing hubs; MOC (Outcamp) and Warrigal
- Building stockpile 'safety net'
- Ore trucked 60km via private sealed road to dedicated stockyard at Christmas Creek railhead
  - 8 PowerTrans units dual powered with 5 trailers and 400t payload
- World class rail and port, and access to Capesize vessels
- Dedicated NJV stockyards at railhead and port
  - NJV capacity of 6Mtpa

### **NJV – COST REDUCTIONS**

### Targeting a 15-25% reduction in Nullagine mine site costs<sup>1</sup> during 2H CY14 and CY15.

Achieved to Date	<ul> <li>Sustainable cost savings of \$2-3/wmt achieved in 2H CY14 through:</li> <li>Termination of a higher cost haulage contracts and prudent management of remaining contractors</li> <li>Significant insourcing of consultancy work</li> <li>Headcount reduction of 15-20% of direct employees at site and head office</li> </ul>
2015 Initiatives	Tender of Warrigal hub contract – expect to deliver \$2-3/wmt across Warrigal tonnes Reassessment of main mining, crushing and screening contract in 2H CY15 – expect to at least translate the Warrigal hub saving across all tonnes Reassessment of road haulage contract in 2H CY15 Ongoing mine plan assessment – push out higher strip ratio mesas through mine plan optimisation and Warrigal exploration
Non-controllable cost benefits	Foreign exchange rates – 15% depreciation in last 6 months to 0.76 currently Freight rates – 50% decline in last 6 months to US\$4.50/wmt currently Diesel costs – Nearly 50% decline in oil price in last 6 months

1. Nullagine mine site costs include mining, crushing and screening, road haulage and site admin costs.

### **IRON VALLEY – OVERVIEW**

### Operating mine that is generating cash flows via iron ore sale agreement with MIN.

- Iron ore sale agreement with Mineral Resources Limited (MIN)
  - BC Iron retains tenement ownership and statutory obligations (incl. government royalties)
  - ✤ MIN operates the mine at MIN's cost
  - ✤ MIN buys ore from BCI at a price linked to MIN's FOB price
  - ✤ Term is lesser of 20 years or 200Mt purchased by MIN
- Ore Reserve of 134.7 Mt at 58.5% Fe<sup>1</sup> and Mineral Resource of 259.1 Mt at 58.3% Fe<sup>1</sup>
- Currently being operated as a DSO, truck haulage operation
  - ✤ 0.79M dmt shipped during Dec-14 quarter
  - BCI annual EBITDA guidance of \$2-24m, based on production of 3-5Mtpa and FOB received prices of A\$70-110/dmt
- MIN evaluating potential for beneficiation and construction of a bulk ore transport system (BOTS) to Port Hedland
  - Agreement contemplates these initiatives and provides for upside to BC Iron



**BC** IRON

Iron Valley – Mine Layout



Iron Valley Commissioning – August 2014

### **BUCKLAND – OVERVIEW**

### Development project with an independent infrastructure solution.

- Wholly owned project located in the West Pilbara region
- Ore Reserve of 134.3 Mt at 57.6% Fe<sup>1</sup> and Mineral Resource of 283.2 Mt at 56.5% Fe<sup>1</sup>
- Feasibility study completed by IOH in June 2014
  - Potential 8Mtpa operation for 15 years at 1:1 strip ratio
  - ✤ Life of mine product grade of ~58% Fe
  - Independent infrastructure solution road haulage via private/public then entirely private roads to proposed 20Mtpa transhipment port at Cape Preston East Port
- All major permits and approvals received
- Current activities include:
  - Reviewing and updating feasibility study in light of current market conditions
  - Discussions with potential stakeholders
  - Progressing further approvals



<sup>1.</sup> Mineral Resources and Ore Reserves are prepared in accordance with JORC guidelines. Refer to appendices for relevant detail.

### **BUCKLAND – STRATEGY**

Consider all mine / infrastructure / financing options and determine the optimal development and financing path for Buckland.



- Develop mine as per feasibility study (i.e. 8Mtpa operation)
- Smaller scale, lower capital start-up operation
- JV / acquire other projects in the region

#### Infrastructure options

- Independent solution as per feasibility study road to transhipment port at Cape Preston East, with potential for 3<sup>rd</sup> party tonnes
- Proposed third party solutions, e.g. Aurizon's rail to Anketell Port and MIN's BOTS
- Other solutions or combinations of above

### **Financing options**

- JV over all or part of Buckland (mine / road / port or combination thereof)
- Project finance / debt capital markets
- Equity capital markets

### **BC IRON OUTLOOK RECAP**

Operating at 6Mtpa run-rate

- FY15 sales guidance of 5.2-5.6M wmt (100% basis)
- C1 cash costs of \$47-51/wmt (FOB) for the Dec-14 to Jun-15 period
- Further sustainable cost reductions targeted at least \$2-3/wmt in 2015
- Currently being operated by MIN as a DSO, truck haulage operation
- MIN evaluating beneficiation and alternative transport solution (BOTS) to enhance Iron Valley economics
- Agreement with MIN contemplates these initiatives and provides for upside to BC Iron

Buckland

Iron Valley

NJV

- Development project with potential mine life in excess of 15 years
- Consider all mine / infrastructure / financing options to determine optimal development and financing path
- Continue to progress Cape Preston East towards development readiness

# APPENDICES

### **NJV RESERVES & RESOURCES**

### CID Mineral Resource at 31 December 2014 (BC Iron 75%, FMG 25%)

Classification	Mt	Fe%	CaFe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	P%	S%	LOI
Measured	14.8	53.6	61.2	3.9	4.5	0.014	0.012	12.4
Indicated	34.6	54.1	61.6	3.2	4.4	0.018	0.012	12.1
Inferred	48.0	51.9	58.6	5.5	6.7	0.023	0.019	11.4
Total CID	97.4	52.9	60.1	4.4	5.5	0.020	0.015	11.8

### DSO Mineral Resource at 31 December 2014 (BC Iron 75%, FMG 25%)

Classification	Mt	Fe%	CaFe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	P%	S%	LOI
Measured	8.1	57.2	64.8	2.4	2.8	0.013	0.011	11.7
Indicated	21.4	57.0	64.6	2.0	3.0	0.016	0.011	11.8
Inferred	5.7	56.9	64.0	2.7	3.9	0.021	0.015	11.1
Total DSO	35.2	57.1	64.6	2.2	3.1	0.016	0.012	11.6

#### DSO Ore Reserve at 31 December 2014 (BC Iron 75%, FMG 25%)

Classification	Mt	Fe%	CaFe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	P%	S%	LOI
Proved	4.6	57.7	65.5	2.0	2.3	0.011	0.012	11.9
Probable	19.0	56.9	64.5	2.0	3.1	0.015	0.011	11.8
Total	23.6	57.0	64.7	2.0	2.9	0.015	0.011	11.8

#### BSO Probable Ore Reserve at 31 December 2014 (BC Iron 75%, FMG 25%)

	Mt	Fe%	CaFe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	P%	S%	LOI
Feed Material	12.9	50.9	58.3	3.9	5.9	0.020	0.011	12.7
Beneficiated Product	5.1	53.8	61.5	3.0	4.4	0.018	0.010	12.5

#### DSO Stockpile Inventory at 31 December 2014 (BC Iron 75%, FMG 25%)

	Mt	Fe%	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %
Total	0.54	54.6	2.8	4.2

#### Note:

CID Resources are inclusive of DSO Resources, which are in turn inclusive of DSO Reserves. CID Resources are also inclusive of a portion of the BSO Reserve (feed material) that doesn't sit within existing low grade stockpiles. CID stands for "channel iron deposit". BSO stands for "beneficiated shipping ore". Total may not sum due to rounding

### **BUCKLAND AND IRON VALLEY RESERVES**



#### **Buckland Project Ore Reserve at 30 June 2014**

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Project	Deposit	JORC Ore Reserve	Cut-off (% Fe)	Tonnes <sup>B</sup> (Mt)	Fe (%)	CaFe (%)	SiO <sub>2</sub> (%)	Al <sub>2</sub> 0 <sub>3</sub> (%)	P (%)	LOI (%)
	Bungaroo South	Proved		23.2	58.3	62.9	5.8	2.9	0.15	7.4
	Bullgaroo South	Probable		106.7	57.5	62.6	6.6	2.3	0.15	8.1
Buckland	Dragon	Proved	54	-	-	-	-	-	-	-
DUCKIANU	Dragon	Probable	54	4.4	57.1	62.3	6.5	2.8	0.14	8.4
	Subtotal	Proved		23.2	58.3	62.9	5.8	2.9	0.15	7.4
	Subtotal	Probable		111.1	57.5	62.6	6.6	2.3	0.15	8.1
Total				134.3	57.6	62.6	6.5	2.4	0.15	8.0

#### Total Ore Reserves at 30 June 2014

Project	Deposit	JORC Ore Reserve	Cut-off (% Fe)	Tonnes <sup>B</sup> (Mt)	Fe (%)	CaFe (%)	SiO₂ (%)	Al <sub>2</sub> 0 <sub>3</sub> (%)	P (%)	LOI (%)
Iron Valley	Iron Valley <sup>A</sup>	Proved	-	-	-	-	-	-	-	-
ITON Valley	Iron valley	Probable	53	134.7	58.5	63.0	4.9	3.2	0.17	7.2
	Rungeree South	Proved	54	23.2	58.3	62.9	5.8	2.9	0.15	7.4
Buckland	Bungaroo South	Probable		106.7	57.5	62.6	6.6	2.3	0.15	8.1
DUCKIANU	Dragon	Proved	54	-	-	-	-	-	-	-
	Dragon	Probable		4.4	57.1	62.3	6.5	2.8	0.14	8.4
Total				269.0	58.1	62.8	5.7	2.8	0.16	7.6

Notes:

A. Reported in 2012 in accordance with JORC Code 2004 edition.

B. Tonnages are dry metric tonnes and have been rounded, hence small differences may be present in totals.

### BUCKLAND, IRON VALLEY AND MAITLAND RESOURCES

### **IOH Projects Total Mineral Resource at 30 June 2014**

Location	Туре	Project	Deposit	JORC Class	Cut-off (%Fe)	Tonnes <sup>B</sup> (Mt)	Fe (%)	CaFe (%)	SiO₂ (%)	Al <sub>2</sub> O <sub>3</sub> (%)	P (%)	LOI (%)
Central Pilbara	DSO <sup>C</sup>	Iron Valley <sup>A</sup>	Iron Valley	Indicated	50	216.3	58.4	63.0	5.1	3.1	0.18	7.2
				Inferred	50	42.8	57.9	61.1	7.0	3.9	0.14	5.2
Western Pilbara		Buckland	Bungaroo South	Measured	50	30.9	57.4	62.1	6.7	3.0	0.15	7.6
				Indicated	50	214.9	56.6	61.6	7.8	2.4	0.15	8.1
			Dragon	Indicated	50	9.1	55.8	60.9	8.1	3.1	0.14	8.3
				Inferred	50	3.4	54.7	59.4	10.2	3.0	0.13	7.9
			Rabbit	Indicated	50	5.9	55.0	58.9	10.3	3.4	0.13	6.6
				Inferred	50	1.3	53.7	58.1	11.2	3.3	0.08	7.5
			Rooster	Indicated	50	5.2	55.8	60.2	7.2	4.6	0.08	7.3
				Inferred	50	5.4	52.1	56.8	9.6	6.3	0.06	8.3
			Snake	Inferred	50	7.1	57.0	62.6	5.8	2.8	0.15	9.0
Sub Total		Measured			50	30.9	57.4	62.1	6.7	3.0	0.15	7.6
		Indicated			50	451.4	57.4	62.2	6.5	2.8	0.16	7.7
		Inferred			50	60.0	57.0	60.7	7.3	3.9	0.13	6.1
Total						542.3	57.4	62.0	6.6	2.9	0.16	7.5
Coastal Pilbara	BFO <sup>D</sup>	Maitland	Maitland River <sup>A</sup>	Inferred	26	1,106.0 <sup>E</sup>	30.4	30.8	44.0	2.3	0.06	1.2

Notes:

A. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported. All other resources classified and reported in accordance with JORC Code 2012 edition.

B. Tonnages are dry metric tonnes and have been rounded, hence small differences may be present in the totals.

C. DSO ("Direct Shipping Ore") is considered to be ore types which do not require significant beneficiation (upgrading) before it is usable feedstock in the sinter or iron making processes.

D. BFO ("Beneficiable Feed Ore") is comprised of ore types which require significant beneficiation (upgrading) before it is usable as feedstock on the sinter or iron making processes.

E. Indicative Davis Tube Recovery (grind size, P80 25y) test work produced a magnetite concentrate with weight yields ranging from 13-28%.

# IMPORTANT NOTICES

#### **Ore Reserves and Mineral Resources Disclosures**

The information in this announcement that relates to Mineral Resources and Ore Reserves at the Nullagine Joint Venture is extracted from the ASX announcement entitled NJV Ore Reserves and Mineral Resources dated 24 February 2015 and is available to view on <a href="http://www.bciron.com.au/investors/asx-announcements/2015.html">http://www.bciron.com.au/investors/asx-announcements/2015.html</a>. BC Iron confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed. BC Iron confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcement.

The information in this announcement that relates to Mineral Resources and Ore Reserves at the Buckland Project is extracted from the Iron Ore Holdings Limited ASX Announcement titled "Buckland Project – Updated Ore Reserve" (dated 4 June 2014). This announcement is available to view at <u>http://www.bciron.com.au/investors/asx-announcements/ioh-archive.html</u>. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

In respect of the Iron Valley and Maitland River deposits the information in this announcement that relates to Mineral Resources estimates has been compiled by Mr Lynn Widenbar, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Widenbar is a full time employee of Widenbar and Associates and produced the Mineral Resource Estimates based on data and geological information supplied by IOH. Mr Widenbar has sufficient experience that is relevant to the style of mineralisation and 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, Minerals Resources and Ore Reserves. Mr Widenbar consents to the inclusion in this announcement of the matters based on his information in the form and context that the information appears. It has been not been updated to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

The information in this announcement that relates to Ore Reserve estimations for the Iron Valley Deposit is based on information compiled by Mr Alan G. Cooper, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Cooper was a full time employee of Snowden Mining Industry Consultants Pty Ltd. Mr Cooper 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 Cooper consents to the inclusion in the announcement of the matters based on his information in the form and context in which it appears. It has been not been updated to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported.



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