

Driving the Mardie Project Rapidly Towards Development

Corporate Presentation

22 November 2018

www.bciminerals.com.au

BCI's Investment Opportunity



Mardie is a Tier 1 long life project that presents an exciting opportunity to supply the Salt and Potash growth markets in Asia



BCI believes rapidly developing Mardie will create substantial value for all stakeholders



The Salt Market

What is Salt?

- Salt (NaCl) is 40% sodium (Na) and 60% chlorine (Cl)
- Essential for many aspects of modern living
- >300Mtpa of Salt produced and consumed globally



Global Salt Production

Source: Roskill 2017 Salt Market Report.

- Salt is extracted via two main methods:
 - 1. Solar evaporation of seawater or inland lakes
 - 2. Mining of rock salt deposits via hard rock or solution mining methods





Hard Rock Mining



Salt Uses



Salt is an essential feedstock for thousands of products



- Industrial/chemical/pharmaceutical: including glass, PVC, paper, textiles, medicines, oils etc.
- Water treatment: increases purity and removes elements harmful to equipment
- Food & Feed: preserves & flavours human food; essential element of animal nutrition
- De-icing: improves road transport safety in winter



Positive Asian Salt Market Dynamics



Supply deficit of ~25Mtpa forecast in next decade (~6 Mardie sized projects)





Source: Roskill 2017 Salt Market Report, BCI analysis.

- Price range of US\$33/t to US\$70/t (CIF) over last decade
- Current Asian salt market value: **US\$6 billion per year**
- 2027 Asian salt market value: US\$8 billion per year



The Potash Market

What is Sulphate of Potash (SOP)?

 Global agricultural industry depends on three primary fertilisers – Nitrogen (N) Phosphate (P), and Potassium (K)



- Potassium improves crop yield & quality, and increases resistance to diseases
- Two main types of potassium fertilisers:
 - Muriate of Potash (MOP) KCI
 - Sulphate of Potash (SOP) –
 K₂SO₄

Global Potash Market (Product Tonnes)



Source: Integer Research 2017, BCI analysis.





- SOP is a premium fertiliser used on higher value crops (fruits, berries, vegetables)
- SOP (US\$500-600/t) has large price premium over MOP (US\$200-300/t)

Positive SOP Market Dynamics



More food needed from less land..... increases need for premium quality fertilisers





Source: BCI analysis.

- Price range of US\$450/t to US\$1,000/t over last decade
- Current SOP market value: **US\$4 billion per year**
- Future SOP market value: **US\$5 billion per year**



Mardie Salt & Potash Project

Australian Salt & SOP Landscape



- Five large existing evaporative Salt operations in the Pilbara region of WA
 - Total production capacity of 14Mtpa
 - Up to 5 decades old
- No existing SOP production in Australia with all planned projects based on inland salt lake brines
- Mardie Project 100% owned by BCI is located on the coast in the centre of the salt production region
- Mardie will produce and sell Salt as primary product and SOP (+ potentially other) as by-product from an inexhaustible seawater resource



Mardie – Ideal Location

Large landholding in hottest part of Australia

- Vast area of impermeable clay soils
- Suitable marine area for export jetty
- High temperature and high winds (= high evaporation)
- Low average rainfall



Annual Rainfall







BCI MINERALS

Mardie Project Layout

- Mardie Project footprint designed 3-5km inland to limit disturbance of coastal ecosystem
- 6 pumps on floating pontoons with 10,000l/s capacity
- 8 large ponds and 36 crystallisers over a 20km x 5km area
- Salt Plant and SOP Plant optimally located
- 7km salt export jetty to reach 5m water depth
- 10,000t salt transhipping vessel to load large vessels anchored 25km offshore



Simplified Process Flow



Applying latest processing technology to produce high purity products



Attractive Pre-Feasibility Economics¹



 3.5Mtpa high-purity industrial salt (NaCl) 75ktpa sulphate of potash (SOP)
 A\$335M, comprising A\$248M for salt and A\$87M for SOP
 Salt: A\$20/t FOB (all-in cash cost basis) SOP: A\$250/t FOB (all-in cash cost basis)
 Pre-tax NPV₁₀ of A\$335M Annual EBITDA: A\$102M pa

1. Refer to BCI ASX release dated 1 June 2018. All material assumptions and technical parameters underpinning the production target and forecast financial information derived from the production target continue to apply and have not materially changed.

2. PFS based on a 30-year operating life, with salt price of US\$30/t FOB, SOP price of US\$500/t FOB and AUD exchange rate of 0.75.

Mardie's Competitive Positioning





- Australian freight advantage compared to Mexico (displace some Mexican supply)
- Mardie to blend latest technologies with proven production processes
- Mardie will be cost competitive with existing Australian operations

- Large volume of high-cost Mannheim production underpins SOP pricing
- Mardie SOP as by-product, with large proportion of capex & opex "sunk" against salt production
- Mardie is 10x closer to port than inland brine SOP projects, minimising transport costs

Project Improvement Initiatives



During 2019, fast track development of an improved business case



Early Works in 2019



Construct critical path elements in 2019 to accelerate development

- Construct important support infrastructure
 - Access roads; village; power & utilities
- Construct and operate a large trial pond
 - Validate wall construction methodology
 - Confirm mudflat permeability
 - Install water pumps and equipment
 - Utilise full Pond 1 wall alignment to minimise cost duplication
- Early works will de-risk project and reduce time to first salt sales by 12 months



Approvals & Tenure Well Defined









Final investment decision targeted by end-2019, allowing first salt sales in 2023

Activitias	2018	2019				2020	
Activities	Q4	Q1	Q2	Q3	Q4	Q1	Q2
DFS Scoping & Contracting							
Pond & Crystalliser Design							
Process Plant Design							
DFS Report				\star			
Environmental Surveys & Approvals					*	-	
Mardie Port Design & Approvals					*	-	
Offtake & Funding							
Early Works							
Final Investment Decision (FID)							
Construction & Commissioning							

BCI is well funded to FID in late 2019





Mardie – Unique Project Opportunity

- 1. Strong market outlook for salt & SOP
- 2. Tier 1 project location, life, scale & costs
- 3. BCI well funded and supported to accelerate Mardie's development during 2019

Mardie offers significant value potential over many decades









Important Notices



This presentation has been prepared by BCI Minerals Limited ABN 21 120 646 924 ("BCI").

This document contains background information about BCI current at the date of this presentation. The presentation is in summary form, has not been independently verified and does not purport to be all inclusive or complete nor does it contain all the information that a prospective investor may require in evaluating a possible investment in BCI or its assets. Some of the diagrams and pictures in the presentation are artistic representations only and should not be construed as BCI assets or having any meaning for interpretation reasons.

Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this presentation.

This presentation is for information purposes only. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of securities in any jurisdiction. This document is not a prospectus and does not contain all of the information which would be required to be disclosed in a prospectus. This presentation may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in such jurisdiction. Recipients should inform themselves of the restrictions that apply in their own jurisdiction. A failure to do so may result in a violation of securities laws in such jurisdiction.

This presentation does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek their own professional, legal, tax, business and/or financial advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments. To the fullest extent permitted by law, BCI and its related bodies corporate, its directors, officers, employees and representatives (including its agents and advisers), disclaim all liability, take no responsibility for any part of this presentation, or for any errors in or omissions from this presentation arising out of negligence or otherwise and do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinions, estimates, forecasts, conclusions or other representations contained in this presentation. This presentation may include forward-looking statements. These forward-looking statements are not historical facts but rather are based on BCI's current expectations, estimates and assumptions about the industry in which BCI operates, and beliefs and assumptions regarding BCI's future performance. Words such as "anticipates", "expects", "intends", "plans", "believes", "seeks", "estimates", "potential" and similar expressions are intended to identify forward-looking statements. Forward-looking statements are only predictions and are not guaranteed, and they are subject to known and unknown risks, uncertainties and assumptions, some of which are outside the control of BCI. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, BCI does not undertake any obligation to update or revise any information or any of the forward looking statements in this presentation or any changes in events, conditions or circumstances on which any such forward looking statement is based.

BCI MINERALS

Driving Mardie Rapidly Towards Development



Appendix

Corporate Information



Capital Structure

Ordinary Shares	397.6M
Share Price (21-Nov-18)	\$0.135
Market Capitalisation	\$53.7M
Cash (30-Sep-18)	\$11.1M
Debt (30-Sep-18)	Nil

Shareholding and Trading

Wroxby Pty Ltd	27.6%
Top 20 Shareholders	~49%
Number of Shareholders	~7,100
Ave Daily Volume (Last 6 Months)	~500,000

Board and Management

Brian O'Donnell (Non-Exec Chairman) Alwyn Vorster

Michael Blakiston (Non-Exec Director)

Jennifer Bloom (Non-Exec Director)

Martin Bryant (Non-Exec Director)

Andy Haslam (Non-Exec Director) (Managing Director)

Simon Hodge (Chief Financial Officer)

Michael Klvac (GM Corporate Affairs)

Share Price and Volume



Project Locations





Iron Valley Mine – Royalty Earnings



- Quarterly earnings for BCI via royalty agreement with Mineral Resources Ltd (MIN)
 - Underlying BCI EBITDA of ~A\$8M in FY18 and ~A\$16M in FY17
- 6-8Mtpa iron ore operation; 50% lump production; potential mine life of ~15 years
- Average ore grade: Lump 60% Fe; Fines 58% Fe
- Upside for BCI from MIN's Bulk Ore Shuttle System (BOSS)¹
 - Lightweight, narrow gauge rail system with fully autonomous operation
 - Lower opex improves financial viability
 - Potential construction start in 1H CY19
 - Potential to double production rates to 15Mtpa (higher royalty payment to BCI)





^{1.} Refer to MIN announcement dated 8-Jun-18, page 9 of MIN's Macquarie Australia Conference Presentation (2-May-18) page 11 of MIN's FY18 Half-Year Results Presentation (8-Feb-18) for further details



T +61 8 6311 3400E info@bciminerals.com.auW www.bciminerals.com.au

Level 1, 15 Rheola St West Perth WA 6005 GPO Box 2811 West Perth WA 6872