

## UPDATE: PDAC PRESENTATION & FUNDING PROGRESS

- **Project Finance discussions with several institutions are ongoing with indicative terms presented and due diligence undertaken during February and planned for early March.**
- **Presentation to be delivered to investors and industry representatives at the PDAC Convention in Toronto is attached.**

Big River Gold Ltd (ASX:BRV) (the **Company** or **Big River**) wishes to update shareholders as it continues to make progress towards the development of the Company's 100% owned Borborema Gold project, in north east Brazil.

### PDAC Presentation.

The Company was invited to speak at the Brazil Mining Day of the PDAC Convention held in Toronto between March 1 and 4, 2020. The presentation to be delivered is attached to this announcement.

The PDAC Convention is an internationally recognised major event which last year saw 25,000 delegates. The Company will take the opportunity to meet with its peers, investors and equity funds as well as potential financiers including their technical due diligence teams.

### Project Financing

As previously anticipated, funding proposals of an indicative or general nature were received from potential Project Financiers during February. Others are expected in early March. Due diligence by those institutions is being undertaken before the terms of these proposals can be finalised or agreed upon.

This process is standard for all project funding and is expected to continue into March. Due to their general and confidential nature the terms cannot be discussed in detail.

The Company advises that holding these project finance discussions and receiving indicative terms is no guarantee that final binding proposals will be received or entered into subject to terms contained within them being acceptable to the Company.

For and on behalf of the Board.



Andrew Richards  
**Executive Chairman**  
Big River Gold Ltd





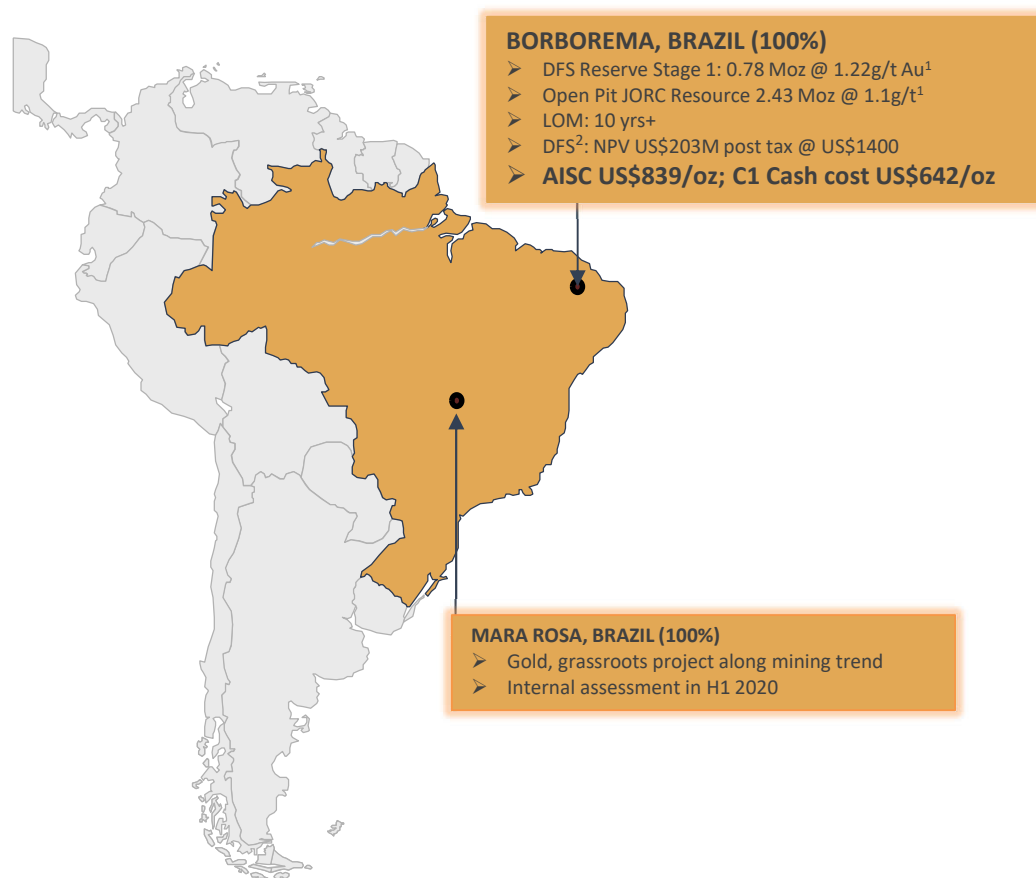
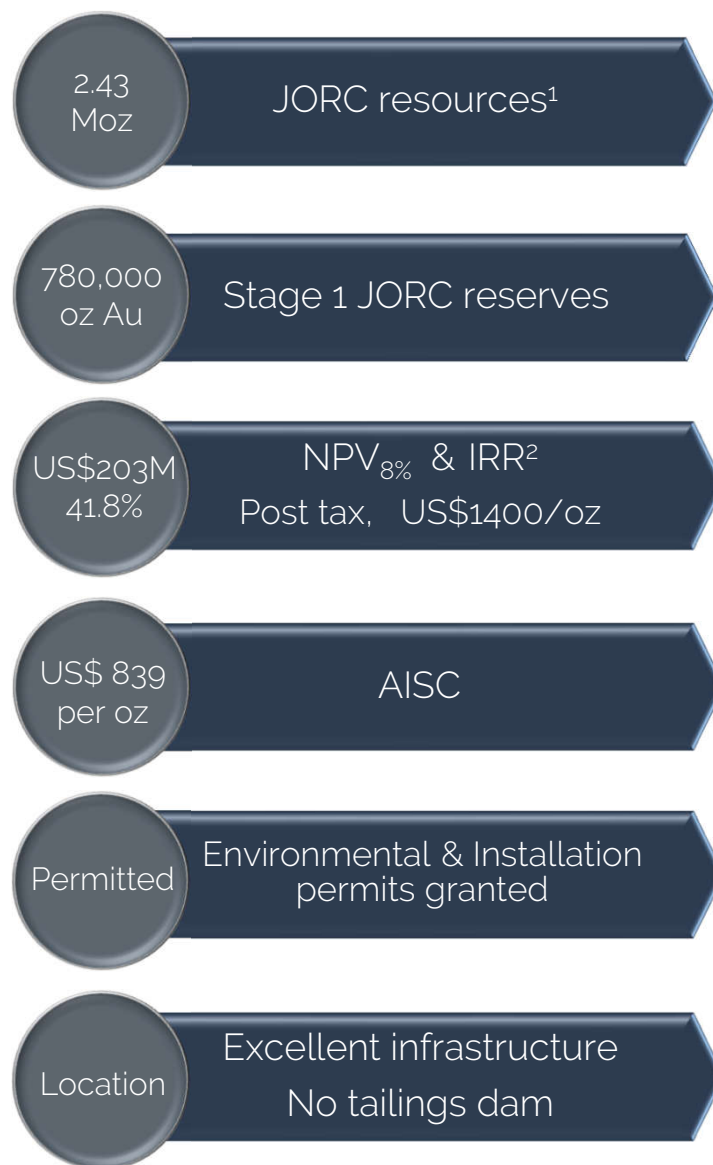
**BIGRIVERGOLD**  
LIMITED

# Brazilian Gold Developing the 2.43Moz Borborema Project

27 February 2020 (Presented at the PDAC 2020 Convention, Toronto)



# BORBOREMA – SNAPSHOT OF A FLAGSHIP GOLD PROJECT



<sup>1</sup>JORC 2012 <sup>2</sup>The Company's DFS (Dec 2019) estimated NPV after tax of approximately US\$203M (discounted at 8%) and an IRR of 41.8% based on a gold price of US\$1,400/oz



## BORBOREMA PROJECT - POINTS TO TAKE AWAY



Mine construction planned to commence 2020.



In discussions with potential project financiers



All major permits acquired; strong State and local community support



Excellent infrastructure & location near coastal state capital



Large JORC Resource (2.43Moz Au) and mine life in excess of 10 years



Mining 0.78Moz leaving balance of Resource including 1.61Moz Reserve.



DFS for Stage 1 mining completed with robust results (at US\$1,400/oz gold):

- *10+ years mine life producing 729,000 oz gold (380,000 oz over first 4.5 years)*
- *Open Pit mining and 2Mtpa mill producing ~71,000 oz gold p.a. LOM*
- *AISC of ~~US\$839~~ per ounce LOM*

SCOPE TO SIGNIFICANTLY RE-RATE COMPANY VALUE:

EV/Resource Ounce currently only US\$ 11/oz



# DFS SUMMARY

Key Parameters	
Mineral Resources (reported above 0.5g/t Au cut off, 2013)	68.6Mt @ 1.10 g/t Au (2.43Moz)
Stage 1 Ore Reserve Scheduled to be mined in DFS	20.0Mt @ 1.22 g/t (784,480 oz)
Open pit mining and 2Mtpa SAG & Ball mill	
<b>Capital Costs</b>	
Processing plant Capital Costs	US\$ 58.61M
Non Processing infrastructure and Owners costs	US\$29.36M
Contingency	US\$ 11.36M
<b>Total Capital Summary</b>	<b>US\$ 99.33M</b>
NPV (8%, Pre-Tax)	US\$ 218M
NPV (8%, Post-Tax)	US\$ 203M
IRR (Pre-Tax)	43.6%
IRR (Post-Tax)	41.8%
Payback from start of production	2.4 yrs
<b>Life of Mine C1 Cash Costs</b>	<b>US\$642/oz</b>
<b>Life of Mine AISC costs</b>	<b>US\$839/oz</b>
<b>Production Summary</b>	<b>LOM</b>
Mine Life (from commissioning date)	10.2 years
Strip ratio (waste (t): Ore(t))	4.2
Mill throughput (total)	20.0 Mt
Grade	1.22 g/t Au
Recovery	92.5%
Gold produced – over Life of Mine	729,374 oz

Project Economics, US\$M	LOM
<b>Study Gold price</b>	\$1,400/oz
<b>Gross Revenue LOM</b>	\$ 1,021M
<b>Operating costs LOM</b>	\$ 494M
<b>Capital:</b>	
Capital – Project Plant (inc contingency)	\$ 99.3M
Capital – sustaining and mine closure costs	\$ 21.0M
Working capital – Mine establishment pre-production	\$ 6.6M
Working capital – Other	\$12.7M
<b>EBITDA</b>	\$527.3M
<b>NPAT</b>	\$328.3M





## DFS SUMMARY – KEY MEASURES & EFFECT OF GOLD PRICE

Effect of varying gold price	US\$1350	US\$1400 (DFS)	US\$1500	US\$1600	US\$1650	US\$1700
NPV (8%, post-tax), US\$	\$183M	<b>\$203M</b>	\$244M	\$285M	\$305M	\$326M
IRR (post-tax)	38.9%	<b>41.8%</b>	47.3%	52.5%	55.1%	57.6%
Payback (from start production)	2.6 yrs	<b>2.4 yrs</b>	2.1 yrs	1.8 yrs	1.8 yrs	1.7 yrs
Ave EBITDA (Full years), US\$	\$50.3M	<b>\$53.8M</b>	\$61.0M	\$68.1M	\$71.7M	\$75.3M

### Production Summary (LOM, 10.2 years):

Average Annual production	<i>71,500 oz/year</i>
Grade	<i>1.22 g/t Au</i>
Total Gold production	<i>729,374 oz</i>
C1 Cash Cost	<i>US\$642/oz</i>
AISC	<i>US\$839/oz</i>
Total EBITDA (10.2 years)	<i>US\$ 527m</i>

### Production: First 4.5 years results (US\$1,400/oz)

Average annual production	<i>84,500 oz/year</i>
Grade	<i>1.46 g/t Au</i>
Total Gold production	<i>729,374 oz</i>
C1 Cash Costs	<i>US\$622/oz</i>
AISC	<i>US\$759/oz</i>
Total EBITDA (4.5 years)	<i>US\$ 276m</i>



**Significant upside left** - Only 729,000 oz gold produced from total Resource of 2.43Moz, including Reserve of 1.61 Moz.

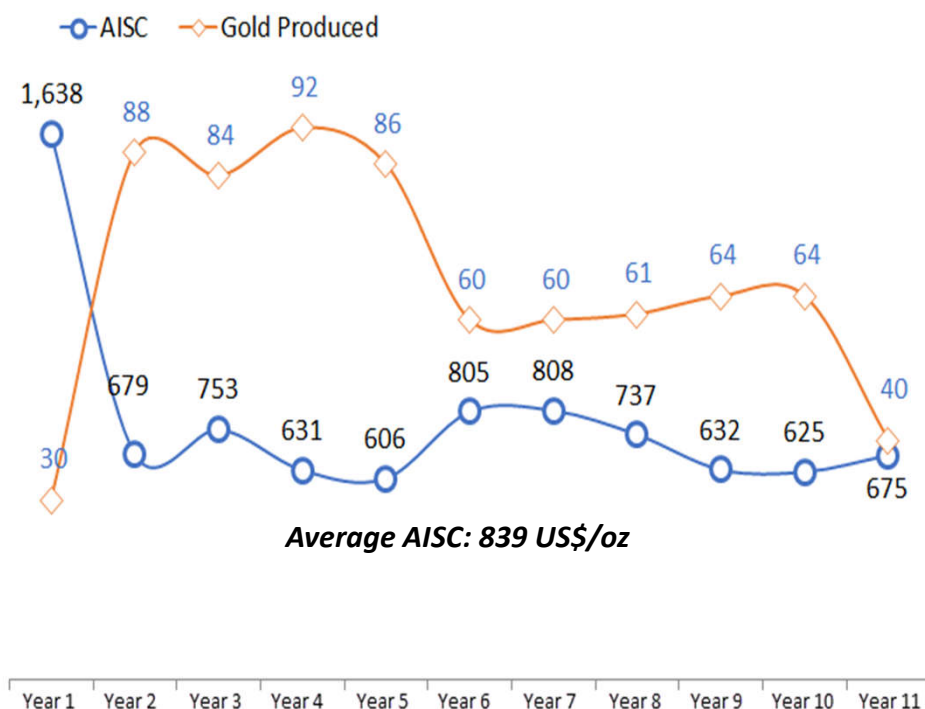


**High level of confidence in the base case resource** - No production scheduled from inferred resources.



# DFS – ANNUAL PRODUCTION & AISC COMPARISONS

## AISC and Gold produced | (in US\$/oz and koz Au)



## Selected Junior and Mid Tier Companies

AISC<sup>1</sup> | 2018 -2019

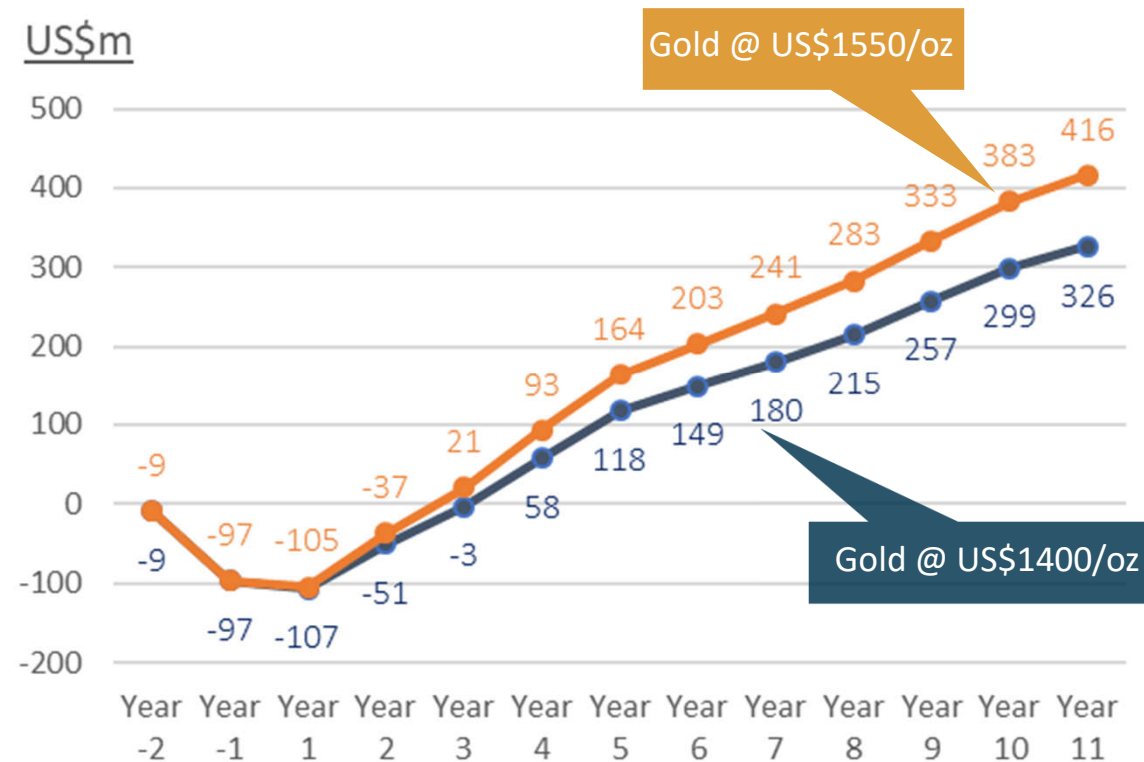
Serabi	1,093
IAMGOLD Corp	1,057
Nord Gold NV	1,051
Aurizona - Equinox Gold	1,000
Kinross	995
Eldorado Gold Corp	990
Alamos Gold Inc	989
AngloGold Ashanti	976
Leagold	974
New Gold Inc	961
SEMAFO Inc	951
Yamana	930
Acacia Mining PLC	905
Centamin PLC	884
Big River Gold	839
Belo Sun Mining Corp	779
OceanaGold Corp	767
Centerra Gold Inc	754
Torex Gold	734
Alacer Gold Corp	707

*Note<sup>1</sup>: Average AISC was used for the companies  
AISC includes both opex and sustaining capex*



## DFS SUMMARY – CUMULATIVE CASH FLOWS

### Cumulative Cash Flow (Unleveraged) (in US\$, million)





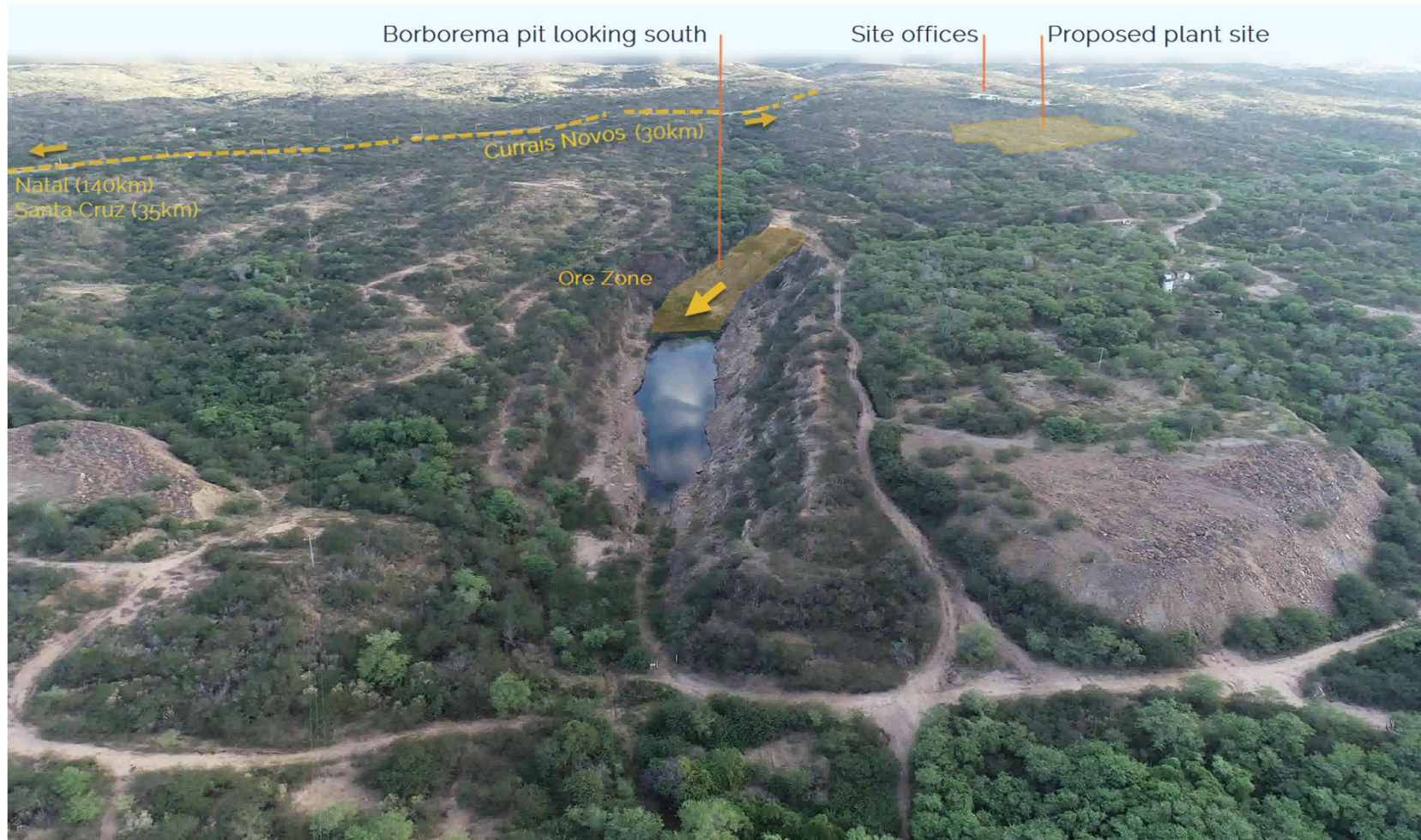
## DEVELOPMENT STRATEGY - SITE LAYOUT



View over Borborema project looking east



## DEVELOPMENT STRATEGY - SITE LAYOUT



View to the south over Borborema project site showing gold mineralisation exposed in the pit and proximity of infrastructure. Transmission line to the left of the pit links with main power grid crossing the Borborema leases.



## BOARD & MANAGEMENT TEAM



**Andrew Richards**  
Executive  
Chairman

- A geologist with over 35 years of experience in the international mining industry which included mine production and mine development, company management and banking project finance.
- He has worked at a senior level in both production and exploration over a wide variety of areas and commodities and also undertaken technical reviews, project audits and monitored project construction.
- Has worked extensively with gold, base metals, rare earths and industrial minerals in Australasia, Asia, Africa and South America.
- He is and has been on the boards of several listed companies on ASX and AIM and was previously Managing Director and CEO of ASX listed companies operating in China and South America.



**John Evans**  
Non-  
Executive  
Director

- Currently the principal of a Business Broking & Advisory practice, and advises a range of businesses in both the SME sector and larger corporate clients, on matters such as strategic planning, marketing, governance, and financial analysis
- Prior to this, held a series of executive positions in Finance and General Management over a 15 year period, across a wide range of industries including telecommunications, banking and insurance, superannuation and funds management, media, hospitality, and property development
- Chartered Accountant and Member of CPA Australia and the Australian Institute of Company Directors.



**John Cathcart**  
Non-  
Executive  
Director

- John has 30 years experience in mining and mining investment analysis.
- He has extensive experience in the resources sector at a technical, corporate and financial level, working in gold, copper and nickel at several major operations.
- John made the successful transition to the financial sector and broking in 1994 where he established a very strong reputation with several brokers including Baillieu's, BT, HSBC and CommSec before running the Resources portfolio at Thorney Investments.
- John remains an investment manager at Thorney as well as a director of the recently established stockbroking firm Rawson Lewis.



**Beau Nicholls**  
Non-Executive  
Director

- Beau is a geologist and project manager with over 25 years of international experience. He has worked in over 20 countries including Australia, Eastern Europe, West Africa and South America and established a solid technical and practical base to operate in challenging environments.
- He has a wide technical and corporate management experience at a senior level in gold exploration and mining for both mining groups and international consulting groups.
- Beau spent 8 years working in Brazil and speaks Portuguese fluently.



**Andrew Beigel**  
CFO/Company  
Secretary

- More than 15 years' corporate experience across a range of industries and has held executive positions with other ASX listed companies in the sector
- Holds a Bachelor of Commerce from Murdoch University and is a member of CPA Australia



**Pablo Diaz**  
Vice President  
Operations

- Well regarded mining engineer with over 20 years international experience in all phases from feasibility to construction and operations to corporate and financial management.
- Pablo has managed underground and open pit operations, overseen plant expansions and contract mining across multiple commodities.
- He worked for several years with major mining contractors in Australia and Brazil before taking senior management and corporate roles with Brazilian gold and other projects.
- Pablo is a multilingual Brazilian national, with Australian citizenship, residing in Brazil.





## CAPITAL STRUCTURE

Shares on issue	1,317m
Market Capitalisation (at A\$0.035)	US\$30.4m
Options on issue <sup>2</sup>	254m
Debt	A\$ 0.0m
Cash	A\$4.0m
EV	US\$27.8m

## TOP SHAREHOLDERS

Copulos Group	38.6%
Retzos Group	6.3%
SG Hiscock & Co.	8.5%
Top 20 Shareholders	70.4%

<sup>2</sup> exercisable between \$0.02 - \$0.055, expiring between May '20 and Jun '22



## VALUATION POTENTIAL



US\$EV /ounce gold	EV/Reserve oz	EV/Resource oz
Big River current trading multiple	\$17.3/oz <sup>1</sup>	\$11.4/oz <sup>1</sup>
Recent Gold project transactions (3 year ave)		
Developers	\$99/oz <sup>2</sup>	\$38/oz <sup>2</sup>
Producers	\$245/oz <sup>2</sup>	\$76/oz <sup>2</sup>
ASX peer company comparisons ( Dec 2019)		
Explorers		\$37/oz <sup>2</sup>
Producers	\$313/oz <sup>2</sup>	\$107/oz <sup>2</sup>

*Big River Gold displays significant potential in the valuation gap between current trading multiples and those shown in peer trading multiples and 2019 Definitive Feasibility Study NPV*

Note 1: refer to slide 11 for EV calculation . Total reserves 1.61m oz gold  
 Note 2: Source: PCF Capital Resources Thermometer December 2019 FX AUD/USD 0.6800





## BORBOREMA PROJECT DETAILS, STRENGTHS & STRATEGIES



# BORBOREMA – THE STRENGTHS



## High confidence in the resource and metallurgy

- Close spaced drilling over 3.5 km strike, extensively studied
- Stage 1 is 36% Proven, 63% Probable Reserve
- >92.5% gold recovery with low reagent consumption



## Operationally de-risked

- 2 Mtpa industry standard CIP plant
- Open pit mining
- No tailings dam
- Freehold owned 100%



## Excellent infrastructure and location

- Cheap power, water licence secured.
- Main highway 2 hrs from coast
- Skilled workforce in nearby city



## Permitting and Environmental issues addressed

- Government and local support
- No objections raised by any community group

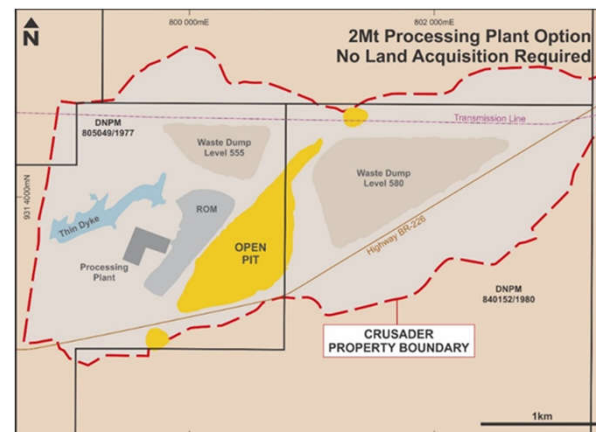


## Attractive regulatory and taxation environment

- Government assistance & co-operation
- Qualify for Sudene tax concessions (company tax ~15%)

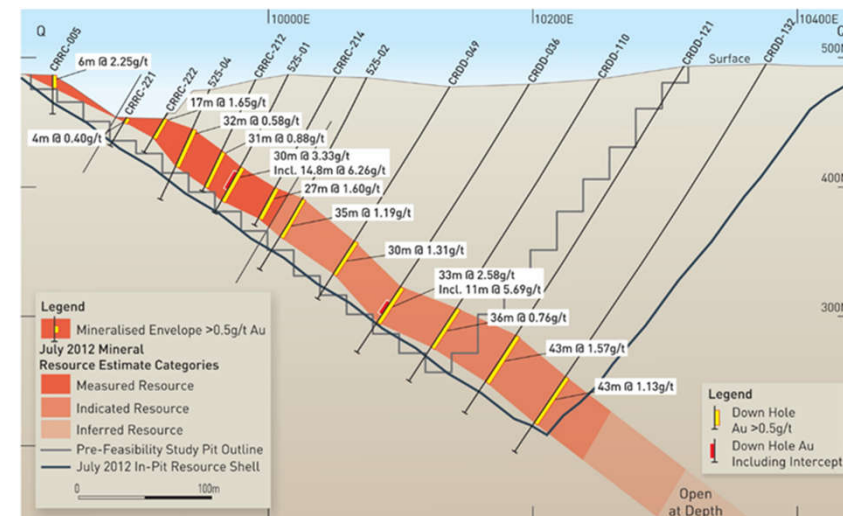
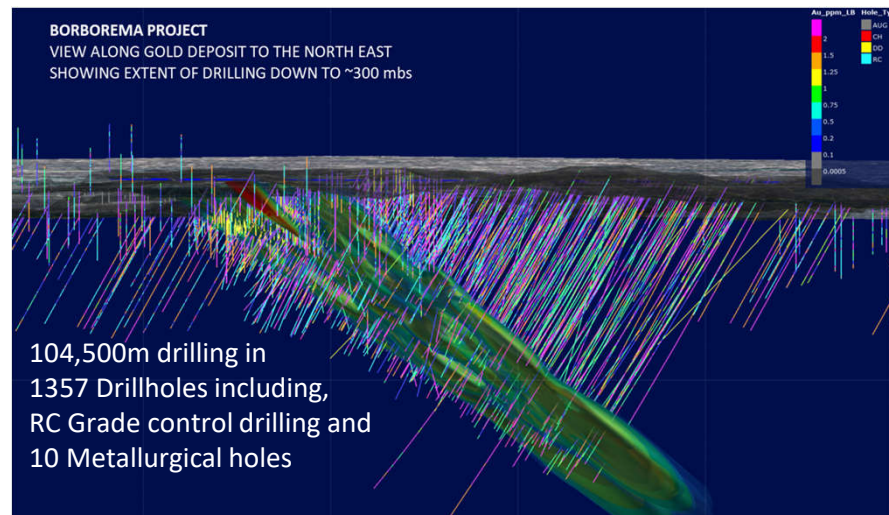
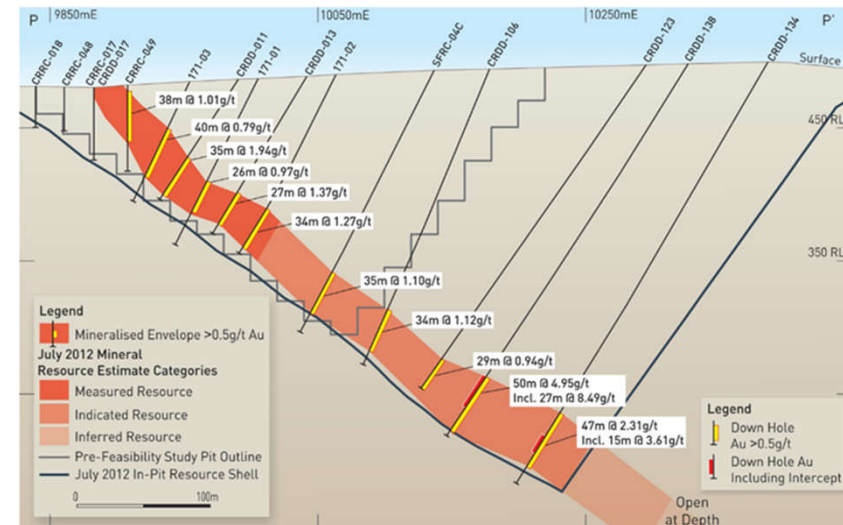
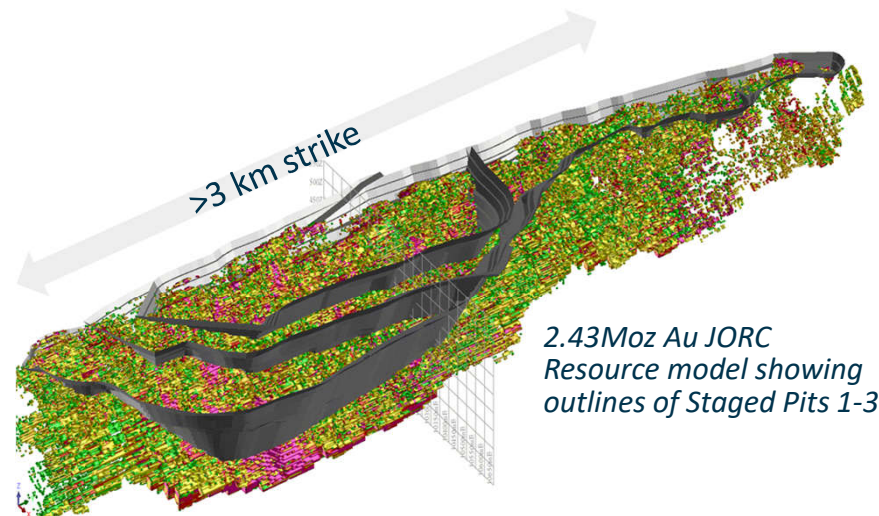


## Experienced Board and Management





# BORBOREMA – THE STRENGTHS

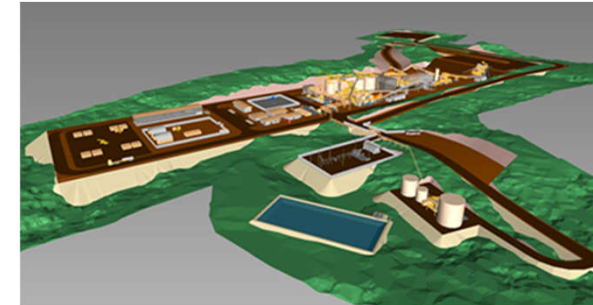






## Improved detailed plant design for DFS

- Optimised footprint & layout and equipment selection to reduce capex and constrain opex. More work planned to improve.
- Have identified opportunities to reduce capex and construction time over that detailed in the DFS



## Enhancing mill feed & grade

- Stage 2 to consider optimisation of significantly higher grades in zones within resource while expanding throughput.



## Potential for mica

- The deposit contains significant amounts of mica minerals which will be processed to produce gold at 92.5% recovery.
- Results of testwork assessing potential for sale of mica by-product are very encouraging and may provide significant revenue credits.
- Marketing strategy and studies being undertaken now.



*Gold plant leach residue (left),  
non magnetic reject (centre) and mica  
rich magnetic concentrate (right)*



## COMPANY STATUS AND IMMEDIATE PLANS



Company has been refinanced, assets rationalized & Board strengthened.



Investigating improved project economics through possible by-product revenue, enhanced grade scheduling and project expansion.

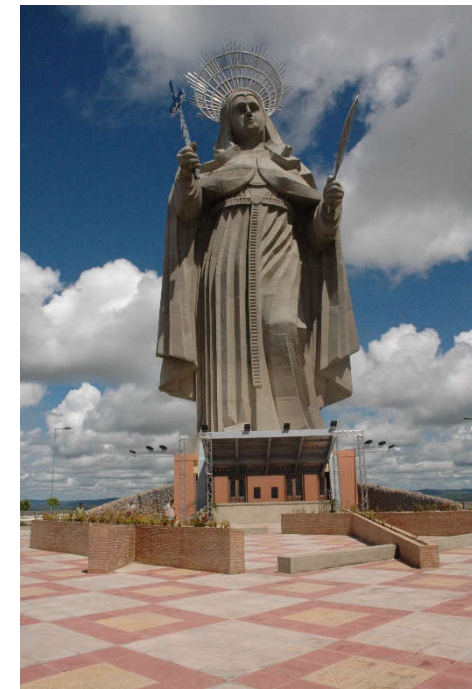


Strong financial position to fund pre-production work prior to Project Financing. Targeting reduced capex and construction timelines.



Immediate plans to secure project finance & start construction:

- Meeting with banks and financial groups
- Expect Indicative term sheets in February/March.
- Targeting completion of project finance by end Quarter 2, 2020 enabling construction to commence in Quarter 3, 2020.
- Appointing construction/management teams.





# Borborema JORC Resources & Reserves



## Borborema Gold Project – Maiden Ore Reserve (Updated as at 31 December 2017<sup>1</sup>)

Category	Ore Type	Tonnes (Mt)	Grade (Au g/t)	Mineable Gold (koz)
Proven	Oxide	0.65	0.80	17
	Fresh	7.26	1.25	292
Probable	Oxide	1.68	0.70	38
	Fresh	32.82	1.20	1,260
<b>Total</b>		<b>42.41</b>	<b>1.18</b>	<b>1,610</b>

Ore Reserve estimate for the Borborema Gold Project.

Reported at a 0.4 g/t cut-off for oxide and 0.5g/t cut-off for fresh material. The cut-off grades have been based on the latest throughput costs, gold price of US\$1350/oz, metallurgical recovery of 95% and then rounded up. Note, appropriate rounding has been applied, subtotals may not equal total figures.

<sup>1</sup>See ASX announcement 6 March 2018

## Borborema Gold Project – Mineral Resource by Multiple Indicator Kriging (MIK)

Category	Cut-off grade	Tonnes (Mt)	Grade (Au g/t)	Contained Gold (Moz)
Measured	0.50	8.2	1.22	0.32
Indicated	0.50	42.8	1.12	1.55
<b>Total Measured + Indicated</b>	<b>0.50</b>	<b>51.0</b>	<b>1.14</b>	<b>1.87</b>
Inferred	0.50	17.6	1.00	0.57
<b>Total Mineral Resource</b>	<b>0.50</b>	<b>68.6</b>	<b>1.10</b>	<b>2.43</b>

July 2012 Mineral Resource Summary Table, reported at a 0.5 g/t cut-off. Parent Block 25mE x 25mN x 5mRL. Selective Mining Unit 5mE x 6.25mN x 2.5mRL. Note, appropriate rounding has been applied, subtotals may not equal total figure.

Resources are inclusive of reserves



# DISCLAIMER & COMPETENT PERSONS STATEMENT

## Disclaimer

The information provided in this presentation is of a general nature only and does not purport to summarise all information that an investor should consider when making an investment decision. Although it has been prepared in good faith with all due care there can be no guarantee that it will continue to be accurate in the future. The information contained in this presentation is provided as at the date of this presentation and is subject to change without notice. No one should act or rely upon the information but should undertake their own independent due diligence or seek appropriate professional advice. Figures may not sum due to rounding.

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This presentation may contain certain forward looking statements and projections regarding: (i) estimated resources and reserves; (ii) planned production and operating costs profiles; (iii) planned capital requirements; and (iv) planned strategies and corporate objectives.

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## Competent Person Statement

### Borborema mineral resource estimate

The information in this presentation that relates to the mineral resource estimate for the Borborema Project was first reported in accordance with ASX Listing Rule 5.8 on 24 July 2017. Big River confirms that it is not aware of any new information or data that materially affects the information included in the announcement of 24 July 2017 and that all material assumptions and technical parameters underpinning the Mineral Resource estimate continue to apply and have not materially changed.

### Borborema ore reserve estimate

The information in this presentation that relates to the Ore Reserve estimate for the Borborema Project was first reported in accordance with ASX Listing Rule 5.9 on 6 March 2018, 29 March 2018 and 11 April 2018. Big River confirms that it is not aware of any new information or data that materially affects the information included in these previous announcements and that all material assumptions and technical parameters underpinning the Ore Reserve estimate continue to apply and have not materially changed.

The portion of the estimated Mineral Reserve that comprises the Stage 1 mining schedule considered by the Definitive Feasibility Study was reported in accordance with the ASX Listing Rules on 24 December 2019.

## Exploration results

The information in this presentation relating to exploration results for the Borborema Project is based on and fairly represents information and supporting information compiled by Mr Robert Smakman and Mr Andrew Richards. Mr Smakman is the former Managing Director of the Company, and is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Richards is an Executive Director of the Company and a Member of the Australasian Institute of Mining and Metallurgy, the Australian Institute of Geoscientists and the Society of Exploration Geologists. Both Mr Smakman and Mr Richards have consented to the form and context in which the exploration results and supporting information are presented in this presentation. Big River notes that the mineral resource estimate and ore reserve estimate for the Borborema Project were initially reported under the 2004 edition of the JORC Code. There was no difference in the resultant numbers between the 2004 edition of the JORC Code and the 2012 edition of the JORC Code and are updated in accordance with the 2012 edition.



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