

## QUARTERLY ACTIVITIES REPORT JUNE 2019

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### OVERVIEW

#### **Borborema Gold Project Advanced**

- All major permits required to commence construction of the Borborema Mine now granted
- Definitive Feasibility Studies (DFS) underway with preferred consultants reviewing historical data and Corporate Mining Services Pte appointed to oversee completion of the DFS.
- Processing and design plans are being reviewed with a view to simplifying operations and reducing both the initial construction capital and ongoing operational costs
- Resource review completed – defining a higher-grade open pit component to improve Stage 1 open pit mine scheduling

#### **Sale of Juruena Gold and Novo Astro Projects Completed**

##### **Corporate**

- Entitlement Issue raises \$4.11 million (before costs)
  - Company name changed to Big River Gold Limited (ASX:BRV)
  - Trading on ASX recommenced on 9 July 2019
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### OPERATIONAL UPDATE

#### **Borborema Gold Project**

##### Definitive Feasibility Study (DFS)

Big River Gold Ltd (“**BRV**” or the “**Company**”) reviewed the previous feasibility study results during the quarter and identified several areas for improvement in concept and design. This additional work is within the terms and conditions of the granted Installation Permit.

Scopes of Work were provided to a shortlist of engineering consultants in both Brazil and Australia for completion of the Definitive Feasibility Study (DFS) process design and Corporate Mining Services Pte (CMS) was appointed to manage and co-ordinate that process. CMS has extensive experience in managing Feasibility Studies and a track record of successfully commissioning both CIL and heap leach gold projects around the world.

Preferred consultants commenced their reviews and final contracts were signed post quarter with Wave International Ltd, a Perth based international engineering group, and Grupo GE21, a Brazil based geological and mine engineering group (refer ASX announcement 23 July 2019). The DFS is expected to be completed in Q4, 2019.



Figure 1. Borborema location plan

Reviews undertaken of the current JORC resource model identified a higher grade component from surface and within the previously announced Stage 1 pit design which could be targeted to improve the mine schedule at start up. That is being incorporated into the studies being undertaken at present.

This higher grade section comprises part of the current resource which totals 51Mt @ 1.14 g/t Au in Measured and Indicated categories and 17.6Mt @ 1.00 g/t Au classified as Inferred. The Company is not aware of any new information or data that has materially affected the Mineral Resource since it was announced on 24 July 2017.



Figure 2. View to the east over the Borborema project site

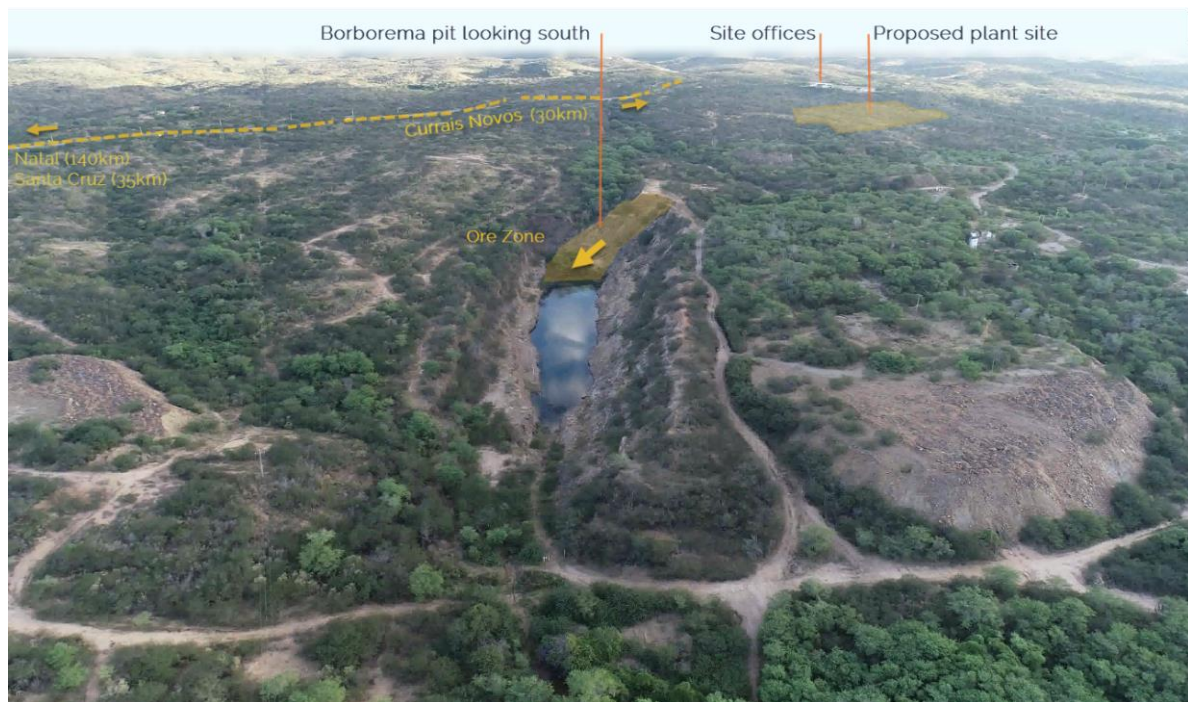
### Permitting

The Installation Permit for the Borborema Gold project by the Rio Grande do Norte State Government Environmental Department (IDEMA) was granted during the quarter.

This is a very significant step forward for the project and Company, as licencing is one of the most difficult and time-consuming hurdles in establishing a new mine in Brazil. The terms and conditions associated with the Installation Permit are standard in nature but covers an area of 490 ha and permits an operation producing and processing up to 4.2 million tonnes per year.

As announced on 28 April 2017 (updated on 30 July 2018) the Company has already been granted the critical environmental licence, the Licença Previa or 'LP' from IDEMA. With receipt of the LP and granting of the

Installation Permit, Big River has now received all the main permits required to commence construction of the Borborema Mine.



*Figure 2. 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.*

### **Sale of Juruena-Novo Astro Gold Projects**

The sale of the Juruena-Novo Astro Gold projects to Meteoric Resources NL (ASX:MEI) was completed during the quarter, with all necessary authorisations and legal documentation successfully finalised.

In accordance with the sale agreement as outlined in the ASX announcement of 20 March, 2019, Big River received A\$1 million cash and 50,000,000 shares in Meteoric at a deemed price of 1c per share and escrowed for 12 months. Subject to achieving project milestones, the Company will also receive up to A\$1.5 million in additional shares or cash in two tranches.

As at the end of the quarter Meteoric shares were trading at 2.3cps.

The sale of Juruena allowed the Company to improve its cost structure and free up management to accelerate the development of Big River's flagship asset, the Borborema Gold Project. The transaction also allows BRV to maintain an interest in Juruena through a 5.62% shareholding in Meteoric Resources which.

### **CORPORATE UPDATE**

#### **Successful completion of fundraising through Share Rights Entitlement issue**

The Company completed an Entitlement Issue which raised \$4.11 million (before costs) with 411,247,201 Shares and 137,082,512 attaching options being issued on 4 July 2019. The receipt of the subscription funds will be

included in the September 2019 quarterly cash flow report. In addition, 42,000,000 Options were issued to the underwriters. (See ASX announcement of 8 July 2019).

### Resumption of trading on the ASX

Trading in the Company's shares on the ASX recommenced on 9 July, 2019 and the transition to the Company's new name of Big River Gold Ltd (ASX:BRV) on the ASX platform was completed by the ASX on Thursday, 11 July 2019.



**Andrew Richards**  
Executive Director

### About Big River Gold

Big River Gold Ltd (ASX:BRV) formerly Crusader Resources Limited (ASX:CAS), is a mineral exploration and development company listed on the Australian Securities Exchange. Its major focus is Brazil; a country the Company believes is underexplored and which offers high potential for the discovery of world class mineral deposits. The Company's key asset is the Borborema Gold Project.

### Borborema Gold Project

The Borborema Gold Project is in the Seridó area of the Borborema province in north-eastern Brazil. It is 100% owned by Big River and consists of three mining leases covering a total area of 29km<sup>2</sup> including freehold title over the main prospect area.

The Borborema Gold Project benefits from a favourable taxation regime, existing on-site facilities and excellent infrastructure such as buildings, grid power, water and sealed roads. It is close to major cities and regional centres and the services they can provide. The project's measured, indicated and inferred Mineral Resource Estimate of 2.43Moz @ 1.10 g/t gold, remains open in all directions (refer to ASX Announcement of 24 July 2017).

<b>Borborema Gold Project</b>			
Mineral Resource by Multiple Indicator Kriging (MIK) estimation			
<b>Category</b>	<b>Tonnes (Mt)</b>	<b>Grade (g/t Au)</b>	<b>Contained Gold (Moz)</b>
Measured	8.2	1.22	0.32
Indicated	42.8	1.12	1.55
<b>Total Measured + Indicated</b>	<b>51.0</b>	<b>1.14</b>	<b>1.87</b>
Inferred	17.6	1.00	0.57
<b>Total Mineral Resources</b>	<b>68.6</b>	<b>1.10</b>	<b>2.43</b>

**Table 1. Mineral Resource (JORC 2012) table**, reported above 0.5 g/t Au 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 figures. (refer ASX Announcement of 24 July 2017).

## **Competent Person Statements**

### ***Borborema mineral resource estimate***

The information in this announcement 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 announcement that relates to the Ore Reserve estimate for the Borborema Gold 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.

### ***Borborema Exploration results***

The information in this announcement that relates to exploration results for the Borborema Gold Project was first reported in accordance with ASX Listing Rule 5.7 on 28 January 2015. Big River confirms that it is not aware of any new information or data that materially affects the information included in the announcements of 28 January 2015 and 24 July 2017.