

# **Borborema Installation Permit Granted**

- All major permits required to commence construction of the Borborema Mine now granted
- Corporate Mining Services Pte appointed to oversee completion of the BFS
- 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 underway aiming to define a higher-grade open pit component to support an initial Stage 1 open pit operation

Crusader Resources Limited (ASX: CAS) ("Company" or "Crusader") is pleased to advise it has been granted the Installation Permit for the Borborema Gold project by the Rio Grande do Norte State Government Environmental Department (IDEMA). The application had been submitted by the Company in November 2018 following preparation of the Project's processing plant design by Ausenco do Brasil Engenharia Ltda ("Ausenco").

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, Crusader has now received all the main permits required to commence construction of the Borborema Mine.

### **Feasibility Study and Development**

While the submission was being processed Crusader reviewed the feasibility study results to date and identified several areas for improvement in concept and design. This additional work is within the terms and conditions of the granted Installation Permit.

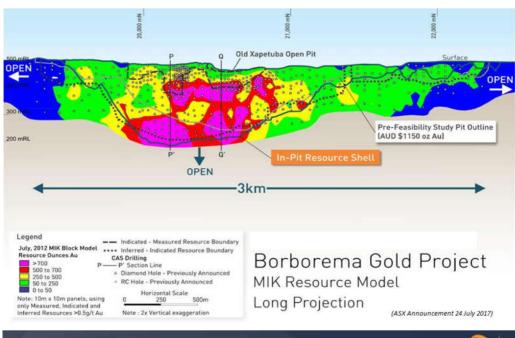
Revised Scopes of Work have been provided to a shortlist of external engineering consultants in both Brazil and Australia for completion of the Bankable Feasibility Study (BFS) process design and Crusader has appointed Corporate Mining Services Pte (CMS) to manage and co-ordinate that process. CMS has extensive



experience in managing Feasibility Studies and a track record of successfully commissioning both CIL and heap leach gold projects around the world.

Processing routes and design plans are being reviewed with a view to simplifying operations and reducing both the initial construction capital and ongoing operational costs. The Company expects that to be completed within 6 months after engaging the engineering consultant.

Reviews were also undertaken of the current JORC resource model that contains an estimated 2.43M oz gold at an average grade of 1.1 g/t Au with a view to defining a higher grade component in the upper 120m of the mineralisation that will support an initial Stage 1 open pit operation. The resource comprises 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.



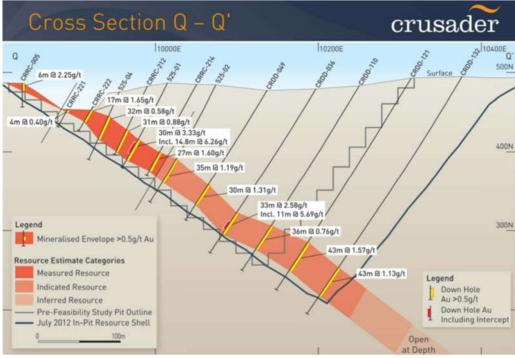


Figure 3. Section Q-Q' across Borborema deposit (refer Figure 2 for location).





**Andrew Richards**Executive Director

#### **About Crusader**

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 Crusader believes is vastly 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 Crusader and consists of three mining leases covering a total area of 29 km 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).

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

**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.

## **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. Crusader 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.