

Bellsbank Kimberlite Bulk Sample & Exploration Project Update



30 November 2018

Frontier Diamonds Limited (ASX: FDX) (**Frontier or the Company**) is pleased to announce the first results from the bulk sample programme at its Bellsbank Kimberlite Pipe Exploration project, situated 10 km from their existing 74% owned Sedibeng Diamonds Mining operations in the Northern Cape Province, South Africa.

Highlights

- ▲ A total of 3,348 tonnes of the first Bellsbank Pit bulk sample material was processed through the on-site processing facility and yielded 98.45 carats. The diamonds have been recovered from the upper levels of the calcretised kimberlite facies of the Bellsbank kimberlite pipe.
- ▲ The biggest stone recovered from the first sample was 9.20 carats. No definitive diamond grades (cpht) have been determined as a result of the limited volume of material processed.
- ▲ The current depth of the pit is 27m and is still within the hardpan calcrete zone which covers the upper 30m of the kimberlite pipe.
- ▲ The discovery of diamonds in the upper calcretised kimberlite suggest a strong possibility that the lower facies will contain diamonds.
- ▲ The Company will commence with the economic evaluation of the Bellsbank Kimberlite Project following the completion of the bulk scheduled sampling, combined with resource and reserve calculations with the view to support a future mine development plan.

Figure 1: Audit sample of the first bulk sample Diamonds recovered from the Bellsbank Pipe Exploration activity until 16 Nov 2018

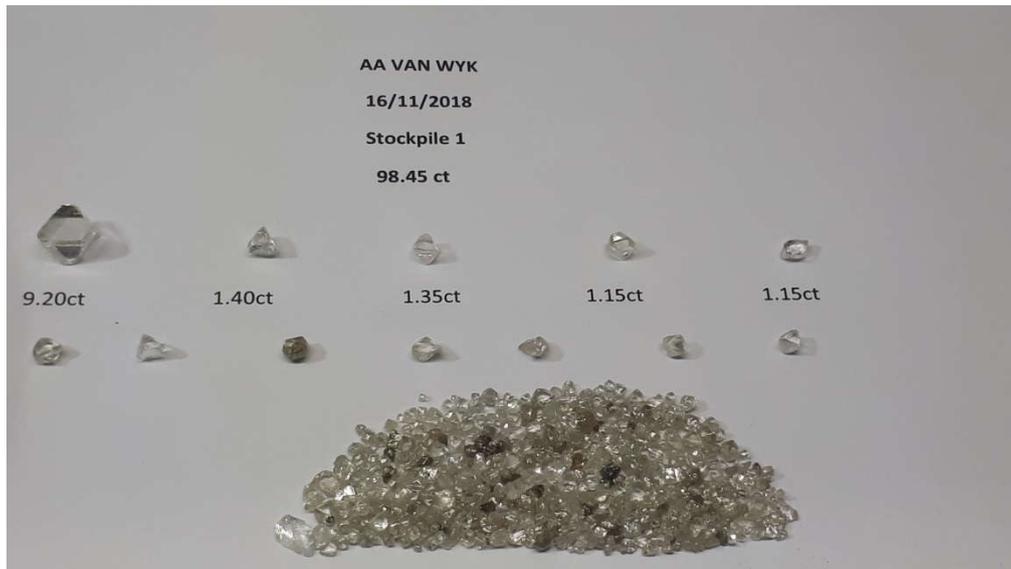


Figure 2: 9.20 Carat stone recovered from first bulk sample



Figure 3: Mining activities in the Bellsbank Pit at 27 m below surface level



The Bellsbank property is located 10km west of the Company's Sedibeng Diamond Mine, located approximately 110km northwest of Kimberley in the Northern Cape Province of South Africa. The pipe is a 130m x 80m "blow" on a proven fissure system and was discovered through ground magnetics and gravity surveying. A geological report regarding the Bellsbank kimberlite pit is being prepared by the Competent Person (CP) and will include a review of historic and current exploration results.

A total of 3,348 tonnes sample was processed through the on-site processing facility and yielded 98.45 carats. While a preliminary sample grade of 3.00 to 4.00 carats per hundred tonnes (cpht) is recorded, this indicates the effect of dilution by the weathering and subsequent calcretisation processes. An initial view of the diamonds recovered indicates a high proportion of promising colours and shapes and closely resembles the type of diamonds found at Frontier's adjacent underground operations. One diamond of 9.2 carats in the first sample parcel is a particularly high-end special stone and indicates the probability of the pipe to be a large-stone producer.

The Bellsbank sample material was processed via the newly commissioned bulk sample processing plant facility located at the Sedibeng Diamond Mine in the Northern Cape Province, South Africa. The plant has been specifically designed to operate in a dual capacity as both a batch treatment plant dedicated either to process the bulk samples extracted from the nearby Bellsbank Exploration Project, as well as other regional exploration targets, or as a concentrate retreatment plant of available tailings material from the Sedibeng Mine.

According to the CP, the current commissioning sample can be regarded as sub-economic 'mineralised waste' and it appears to be low-grade in situ mineralisation which cannot be classified as either a Mineral Resource or Ore Reserve and is intended for stockpiling.

The crushing and screening process of the sample at the new Sedibeng plant, together with the treatment of the screened product at the existing DMS plant and subsequent sorting of the

diamonds, was overseen by the CP over a period of 5 days. Two days were used to thoroughly clean and purged the DMS and Final Recovery plants before processing the sample.

The Company will proceed to commission a geological report accompanied by historic and current exploration results, including a description of the style and nature of mineralisation. The CP Report will consider the results of the next 10m blast, which should expose the underlying hypabyssal kimberlite. True grades of diamond content will be established after taking a proper bulk sample of the exposed kimberlite.

Discussing the results, Frontier's CEO, Jan Louw: "We are excited to announce to our stakeholders the discovery of more diamonds from the Bellsbank Kimberlite Exploration Project. The quality of diamonds recovered from this sample, specifically the 9.2 carat stone, is very encouraging and support our decision to proceed to the next phase in developing the asset. We will now focus our efforts to increase the pit layout to enable us to access the primary kimberlite pipe and to conduct a proper bulk sample. The newly commissioned plant facilities give us the added advantage to perform the bulk sample program at a relatively low capital investment and in a timely manner. We are now in a position to proceed with the pre-economic assessment of the Bellsbank pipe and are looking forward to reporting the next round of results once complete."

Forward Looking Statements

This announcement contains forward looking statements that are subject to risk factors associated with diamond mining businesses. It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to: price fluctuations, actual demand, currency fluctuations, production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

For **investor** enquiries please contact:

Frank Petruzzelli fpetruzzelli@frontierdiamonds.com
Executive Director +61 3 9347 2409
Frontier Diamonds Limited

For **media** enquiries please contact:

Michael Vaughan michael.vaughan@fivemark.com.au
Executive Director +61 422 602 720
Fivemark Partners

About Frontier Diamonds Limited



Frontier Diamonds Limited (ASX: FDX) is an independent diamond mining company with interests in two producing underground mines in South Africa, the Sedibeng Diamond Mine and the Star Diamond Mine, and a development project at Bellsbank.

Visit www.frontierdiamonds.com for information on Frontier's current and planned future activities.

