



# DiamonEx Limited

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**ASX ANNOUNCEMENTS  
AUSTRALIAN STOCK EXCHANGE**

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## INDICATOR MINERAL VISUAL RESULTS FROM SOIL SAMPLES

The directors of DiamonEx Limited are pleased to announce the results of the visual examination, for kimberlite indicator minerals, of the -1+0.5mm size fraction of 361 samples taken over an approximately 35 Hectare photographic anomaly in the Martin's Drift Diamond Project, North-East Botswana.

### SUMMARY:

- **Three diamonds were recovered;**
- **One chrome diopside, the first in any size fraction, was recorded; and**
- **Over 100 visually kimberlitic garnets and 100 spinel grains were picked from the concentrates.**

The samples were collected on a 50 metre interval grid over the photographic anomaly and screened into three size fractions - +1mm, -1+0.5mm and -0.5+0.3mm. Visual indicator mineral abundances, surface texture studies and mineral chemistry trends have been reported upon for the +1mm fraction in previous announcements.

**Table 1: -1+0.5mm Visual Results**

<b>Grain type:</b>	<b>Diamond</b>	<b>Pyrope Garnet</b>	<b>Ilmenite</b>	<b>Spinel</b>	<b>Chrome Diopside</b>
<b>No of grains</b>	3	114	2	118	1

**Table 2: Total Visual Results (from 2 sample fractions available)**

<b>Grain type:</b>	<b>Diamond</b>	<b>Pyrope Garnet</b>	<b>Ilmenite</b>	<b>Spinel</b>	<b>Chrome Diopside</b>
<b>No of grains</b>	6	154	65	131	1

An analysis of the results indicates a concentration of grains in the south of the grid, lessening northwards towards the centre of the grid, after which the numbers increase again. The decrease in grain numbers is coincident with a north-west trending structure seen in both aerial photographs and satellite images. It is also apparent that there is an east-west divide in the grid.

To the west of a centrally positioned north-south line, the indicator minerals are predominantly garnet; to the east of the line, they are predominantly spinel. There is no obvious reason for this save that the line is partially coincident with a major south-north tributary drainage to the Sesulela River. It is also worth noting that the majority of the ilmenite grains were recovered, in the north of the grid, from two samples taken in or adjacent to this drainage. Surface texture studies indicate that little transport of these ilmenites has taken place.

Further work is underway to establish the surface textures and mineral chemistry of these -1+0.5mm grains. DiamonEx considers that there is an increasing level of evidence pointing towards an unknown source or sources for at least some of the indicator mineral population. Fieldwork will be focused on locating these additional grain sources.



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