Botswana geomorphology & kimberlites

Andy Moore & Mike Roberts
Du Toit (1933), SA Geogr Jour

SOME PROBLEMS IN RHODESIAN PHYSICAL GEOLOGY.

BY

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With 1 Map.

Presidential Address to Section B, delivered 29 June, 1927.
Orapa (AK-1) Open pit, 1.5km long axis
Falconbridge helicopter recce, 1980; 13km x 13 km sample grid
Drillsite PPE, 1978
Figure 3. Me-ilmenite anomalies GO-1, GO-2, Ki-Ku, E, F.
Fig. 7 Ilmenites from Nxau Nxau Kimberlites and Okavango Project soils
Kalahari Isopachs, Ian Haddon, PhD thesis (2006)
Calcrete-cemented conglomerate capping 78 Ma kimberlite

Calcrete-cemented conglomerate in 78 Ma kimberlite crater sediments
African surface silcrete partly replaced by calcrete – Eiseb valley, NE Namibia
ILMENITES: Colossus & Wessels vs BYO EPOs

![Graph showing Cr2O3 vs MgO concentrations for Colossus, Wessels, and Bulawayo EPOs.](image-url)
ILMENITES: Colossus kimberlites vs Bulawayo EPOs

Cr₂O₃ (wt. %) vs MgO (wt. %)
Wot is this??

Clue 1: It comes from the Kalahari

Clue 2: Sharad Master found it very exciting
Kalahari tektite ??

Tectite from Pretoria Salt Pan impact structure