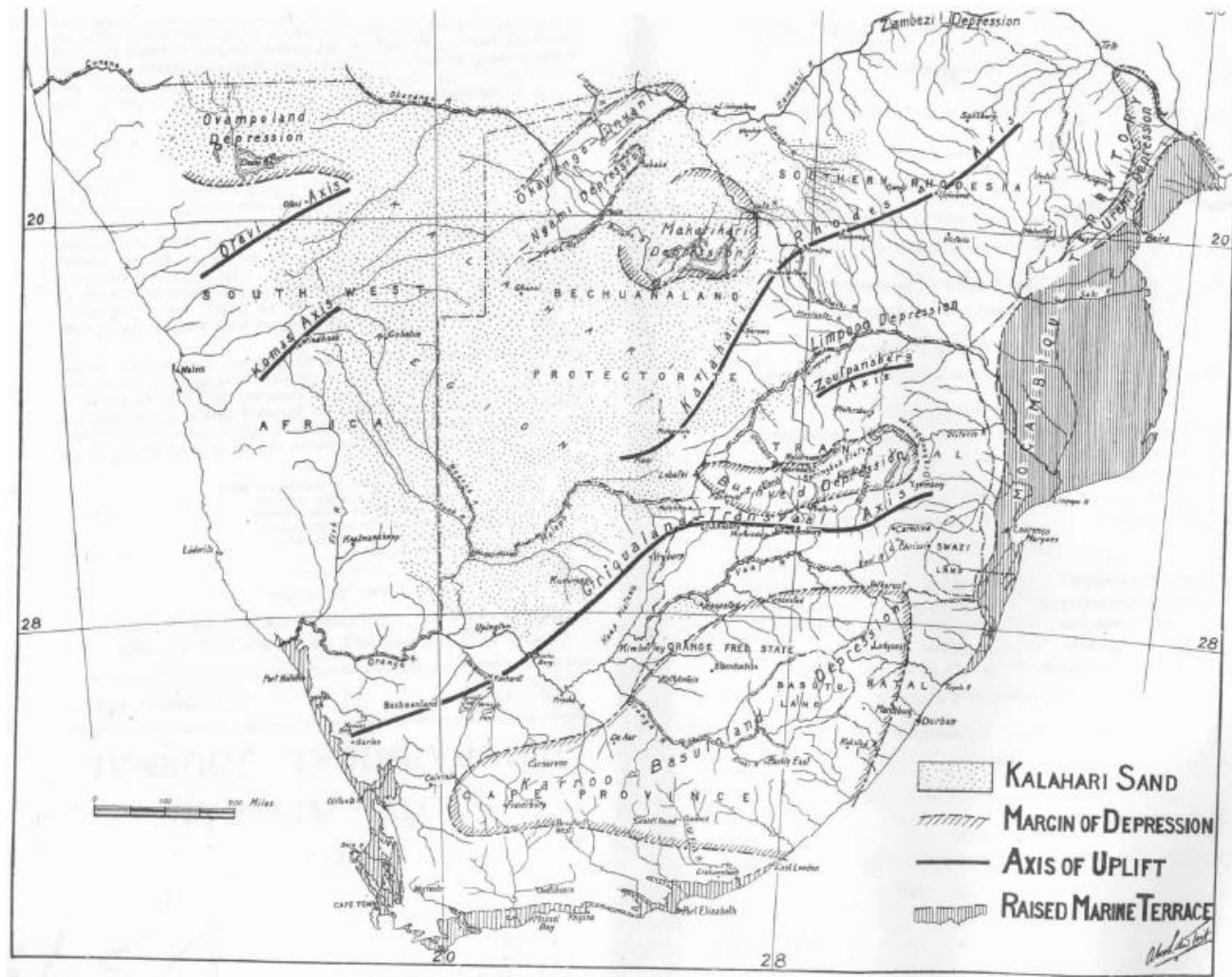


Botswana geomorphology & kimberlites

**Andy Moore
&
Mike Roberts**



Du Toit (1933), SA Geogr Jour

SOUTH AFRICAN JOURNAL OF SCIENCE, Vol. XXIV, pp. 30-36,
December, 1927.

SOME PROBLEMS IN RHODESIAN PHYSICAL
GEOLOGY.

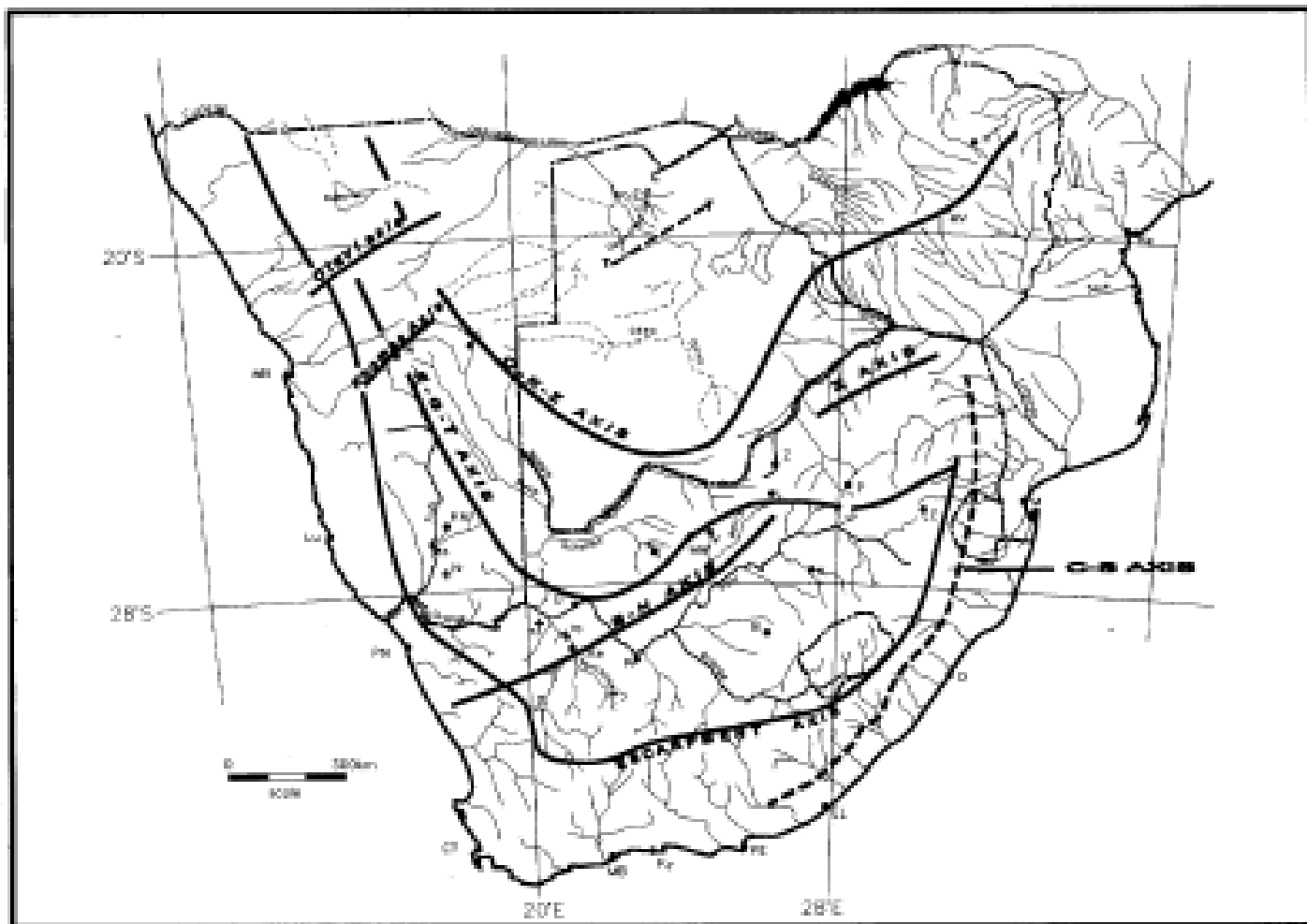
BY

H. B. MAUFE, M.A., F.G.S.,
Director, Geological Survey of Southern Rhodesia.

With 1 Map.

Presidential Address to Section B, delivered 29 June, 1927.

One of the ...



Moore (1999) S. Afr. Jour. Geol



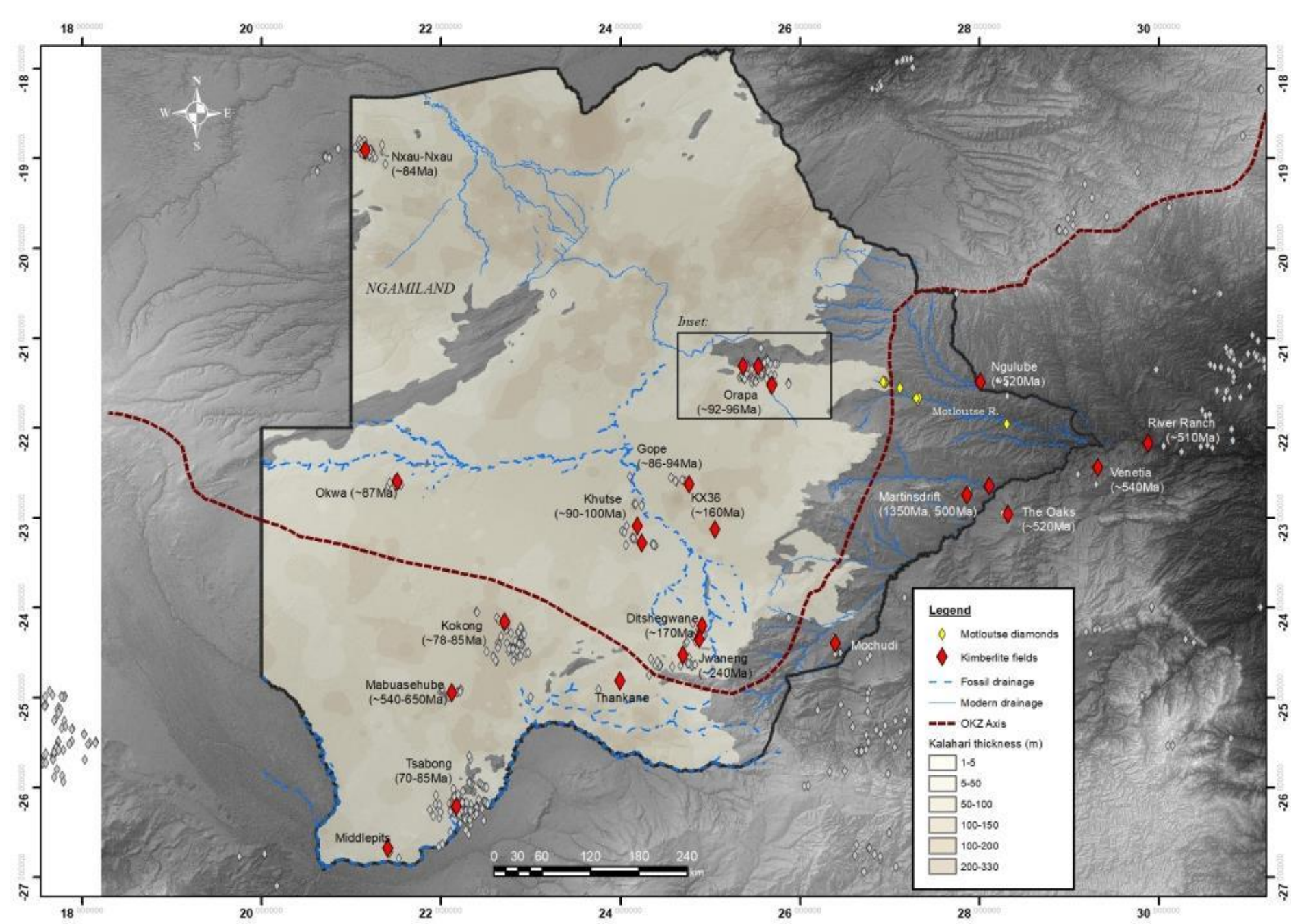


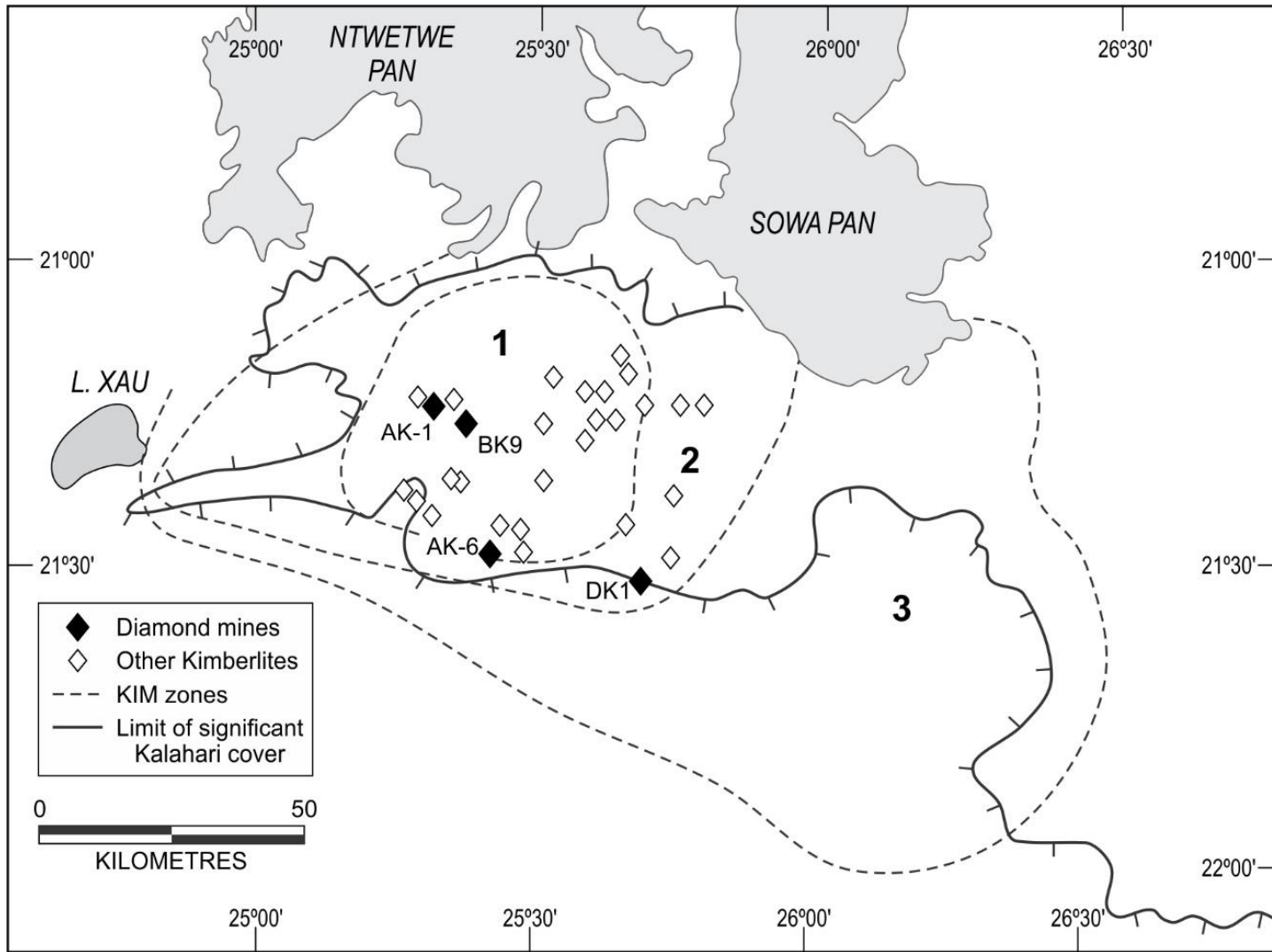


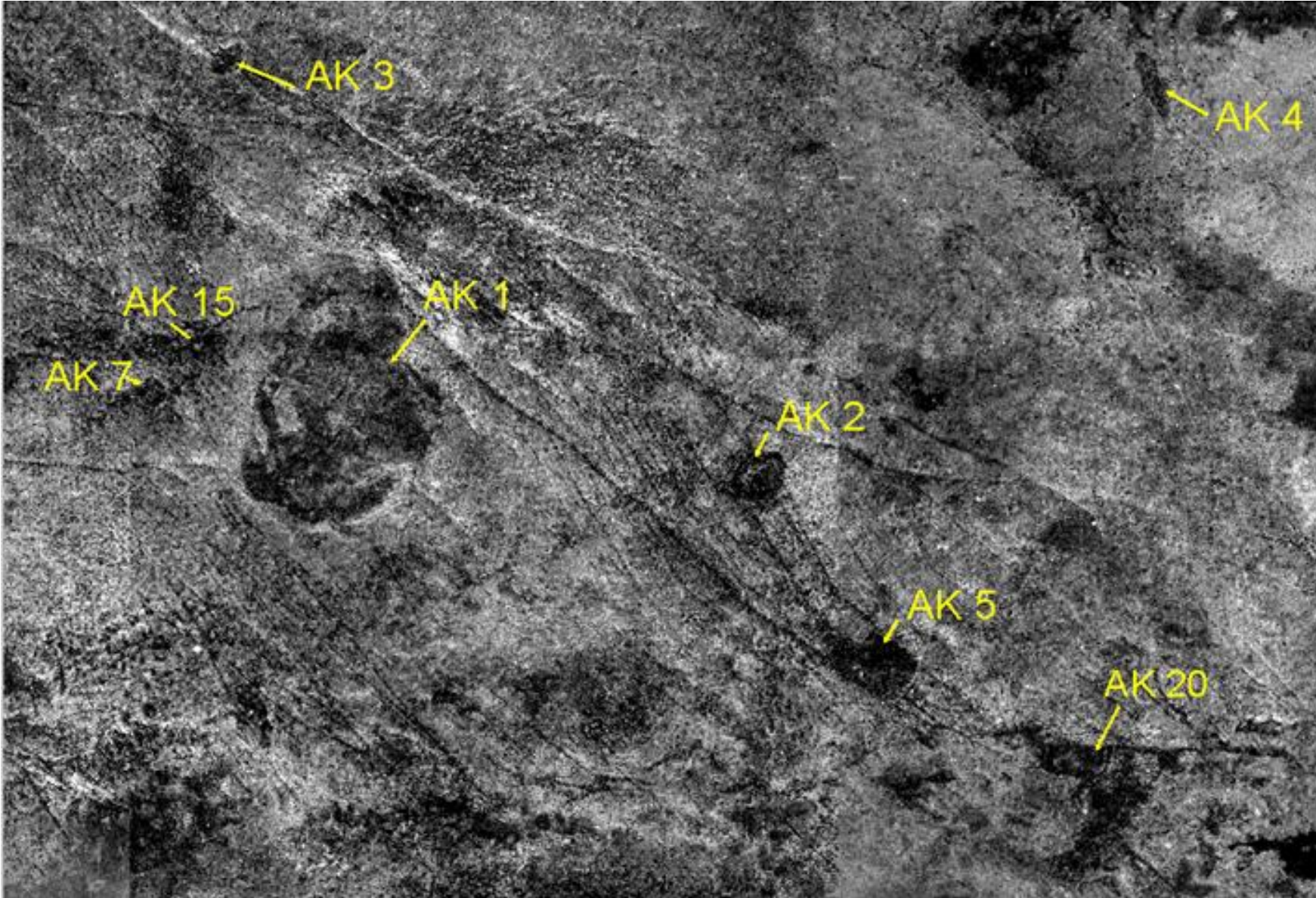


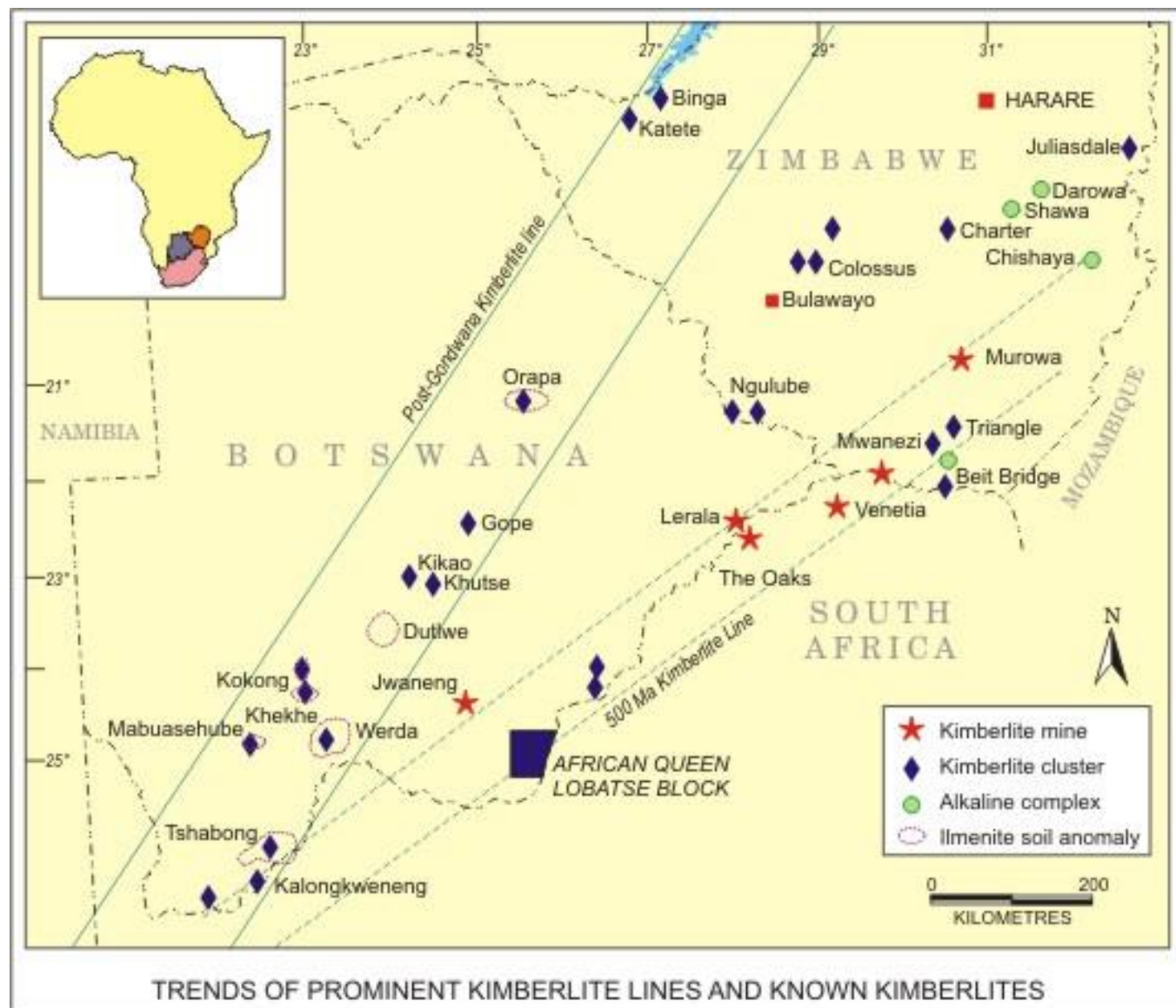


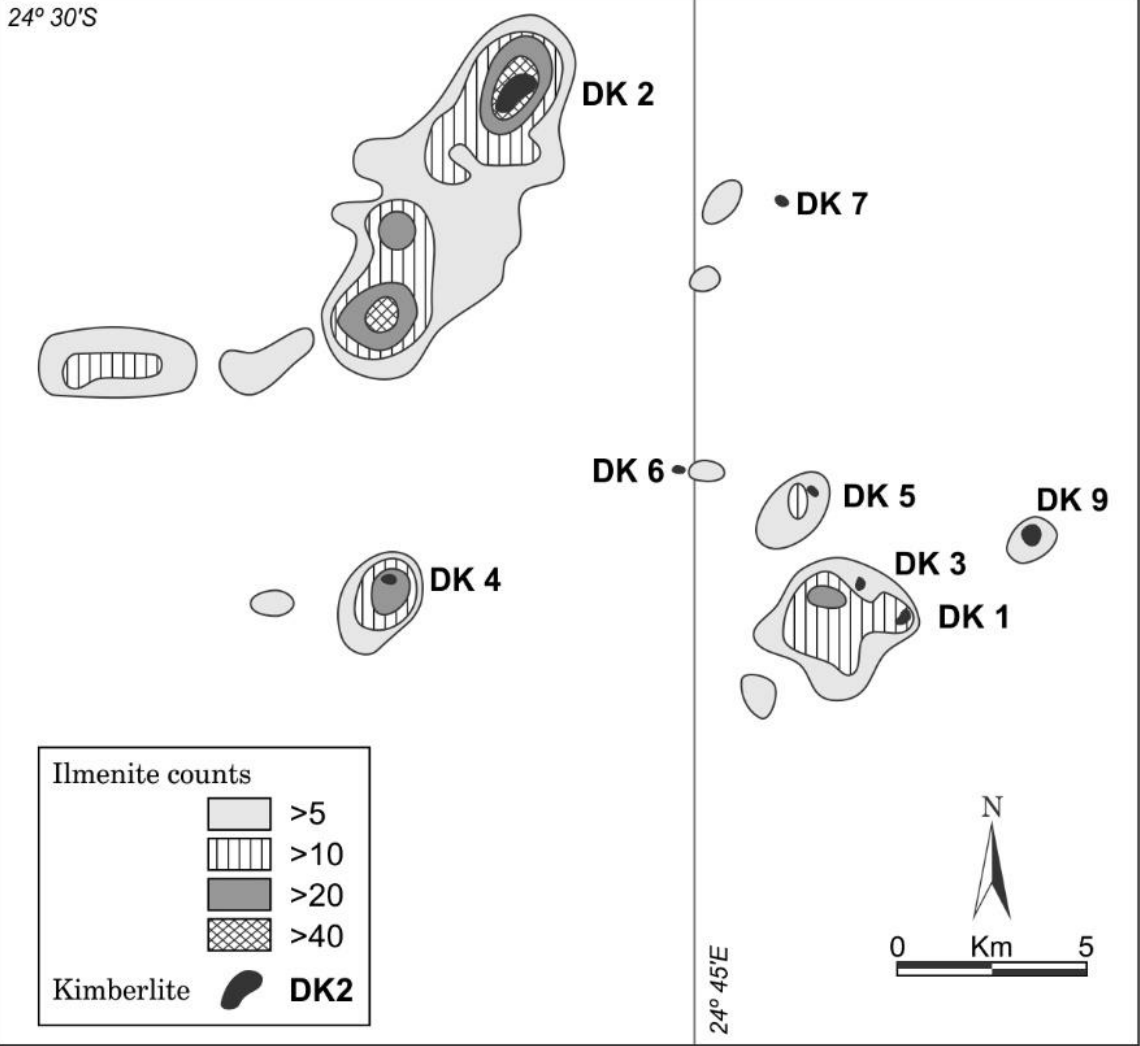
Orapa (AK-1) Open pit, 1.5km long axis







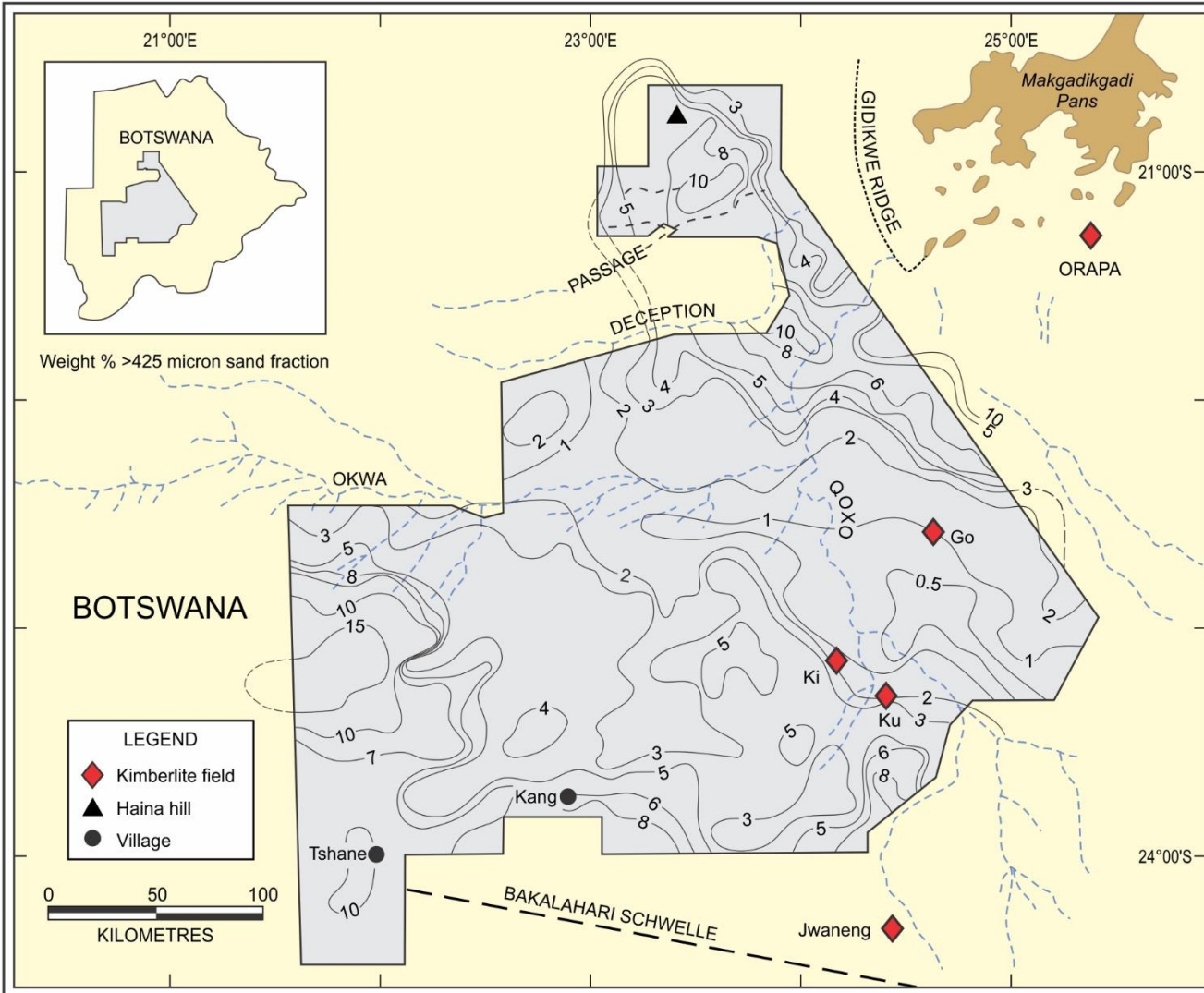




Jwaneng
kimberlites







Falconbridge helicopter recce, 1980; 13km x 13 km sample grid



Figure 2. Botswana Diamond Exploration Meeting, 1978 (Tsabong). Front: Dave Fielding, Mike Waldman, Richard Fynn, Debbie Caskey*, Andy Moore, John Blaine, Ash Clarke (hat), John Gurney# (hat) Back: John Harris, Hugo Dummett*, John Lee, Roger Billington, Chris Jennings (hat), Nick de Bever (All Falconbridge staff, except: *Superior Oil, #Consultant).*



Drillsite PPE, 1978





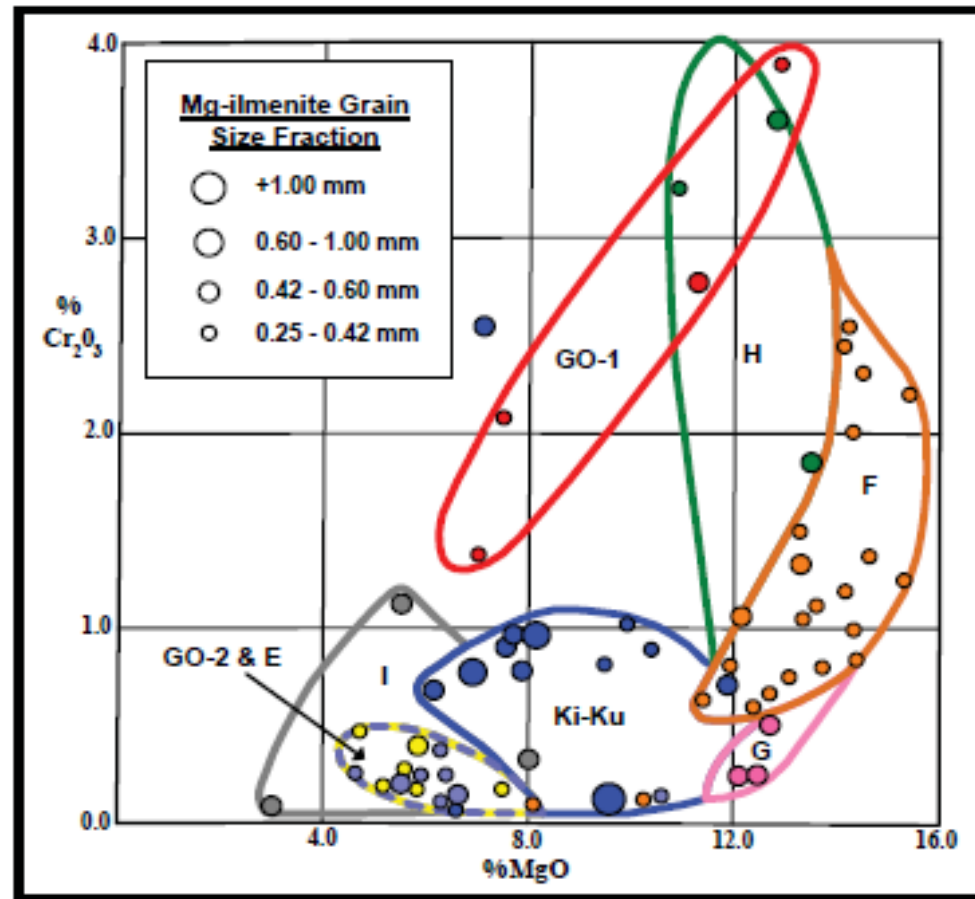
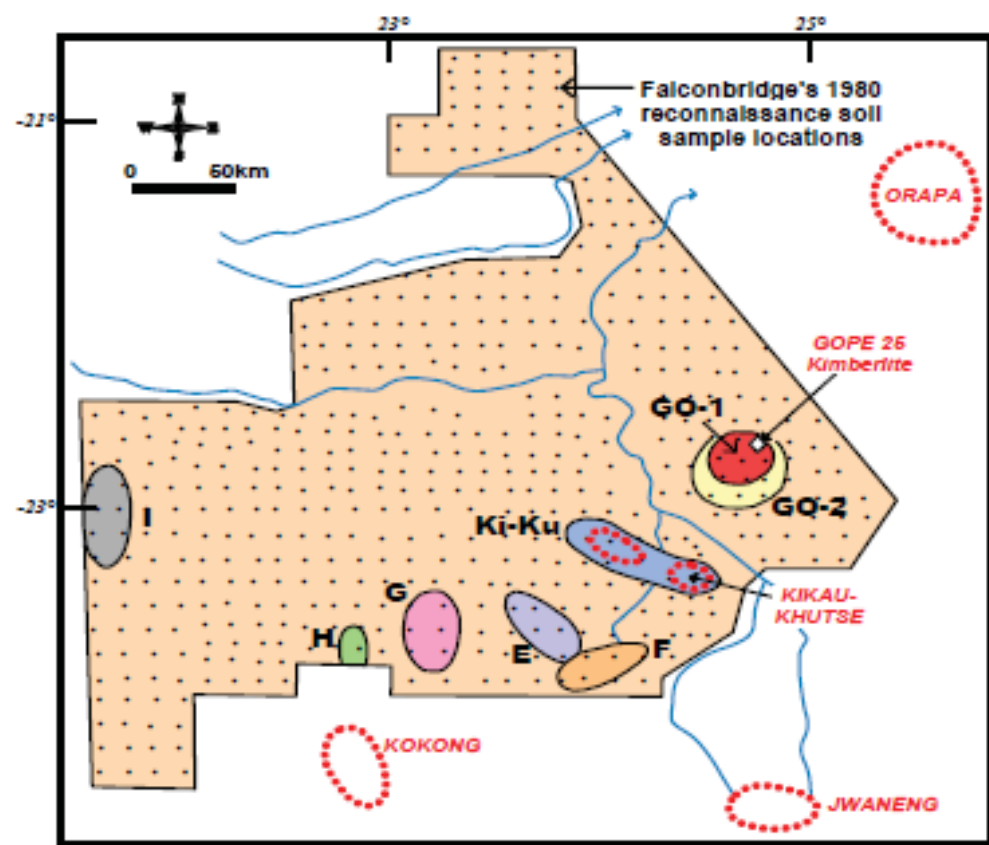
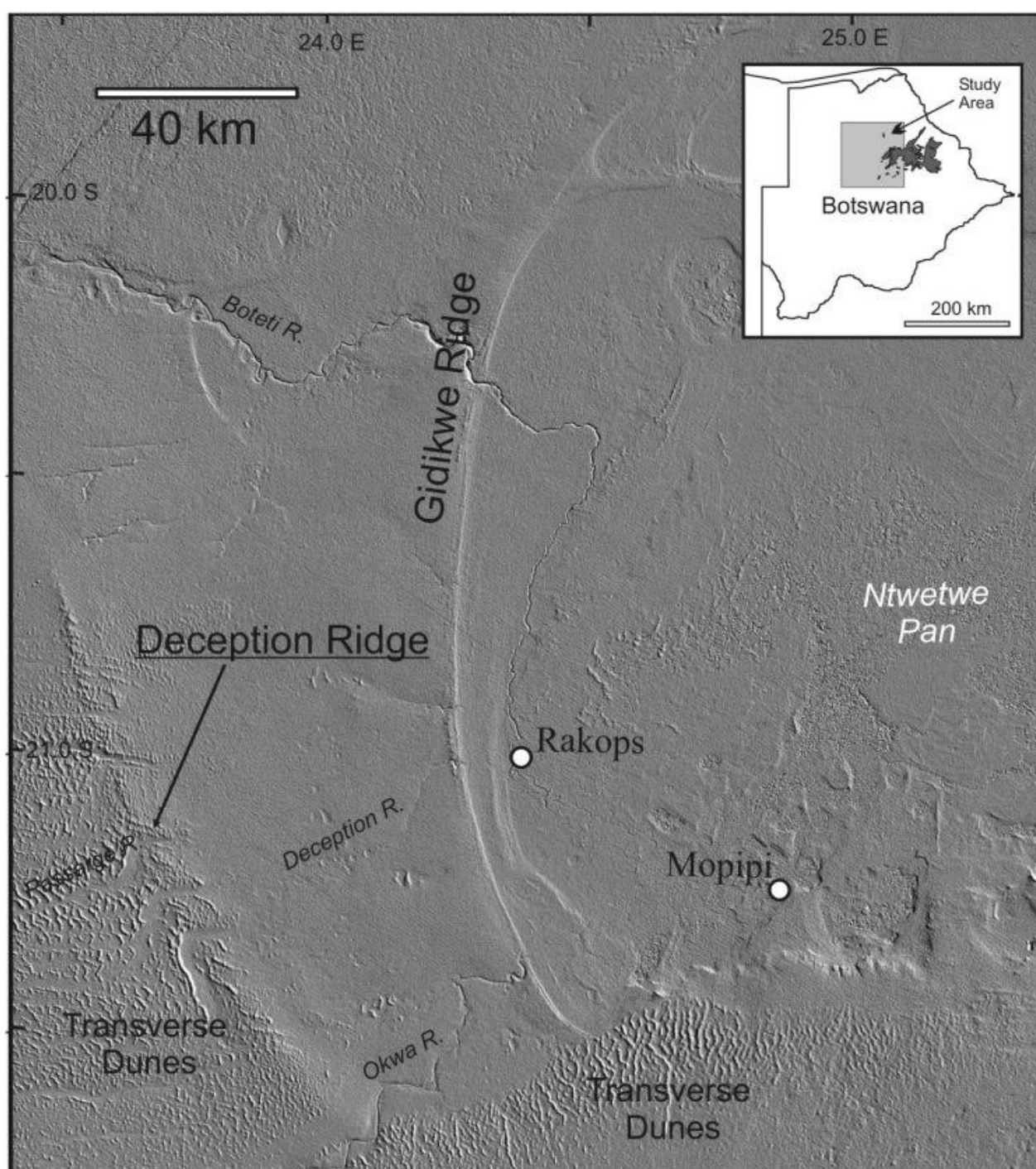
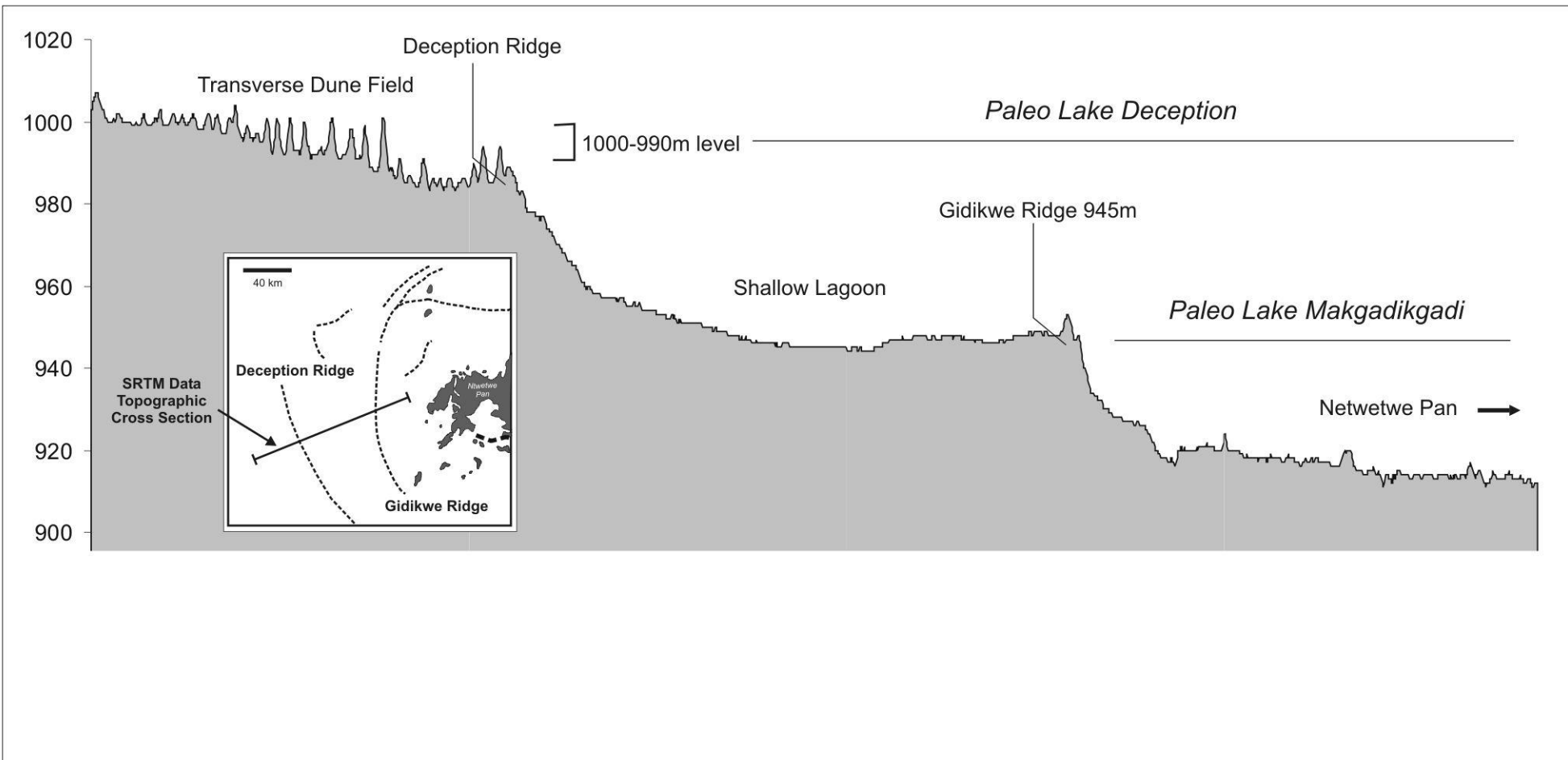
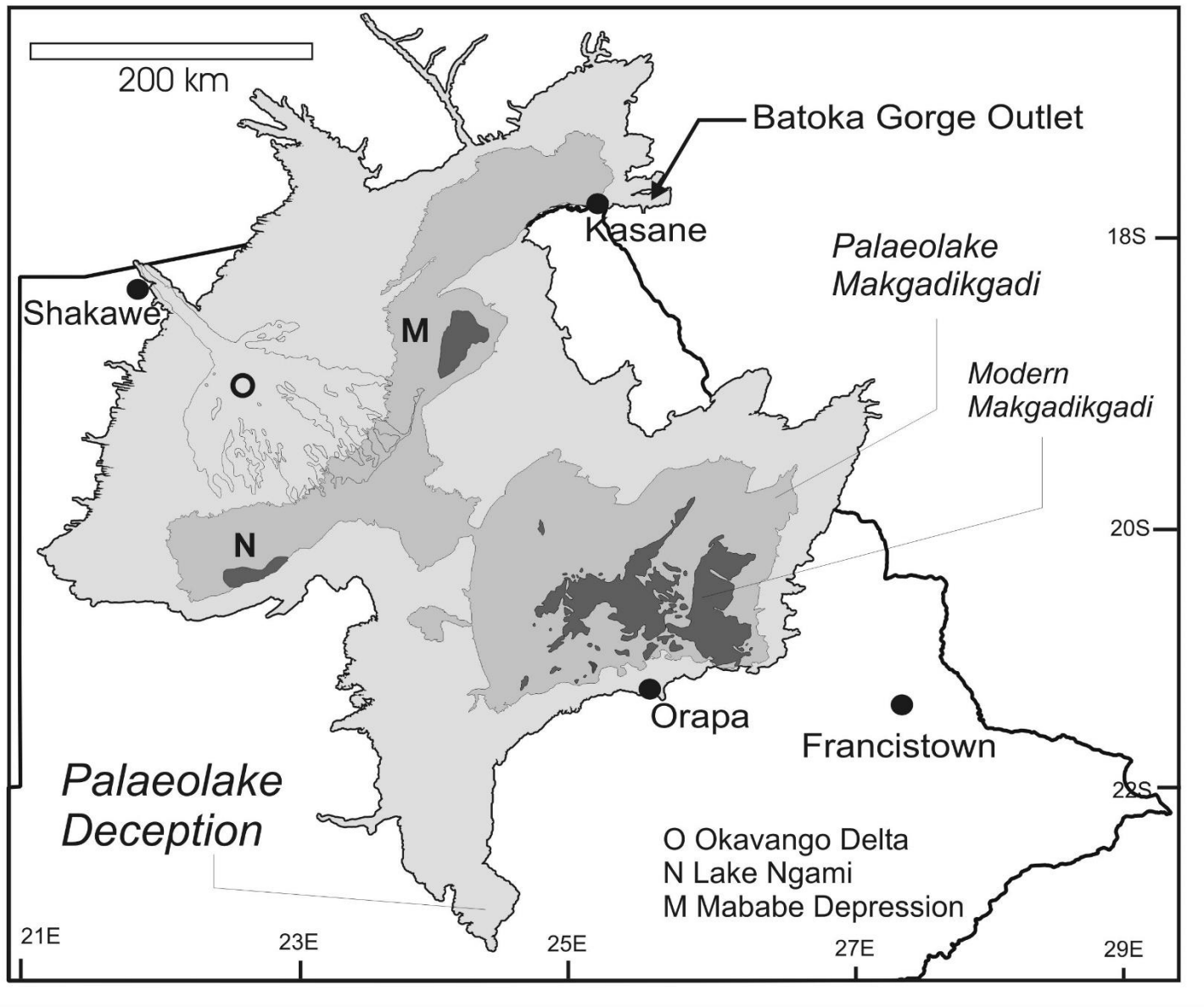


Figure 3. Mg-ilmenite anomalies GO-1, GO-2, Ki-Ku, E, F.





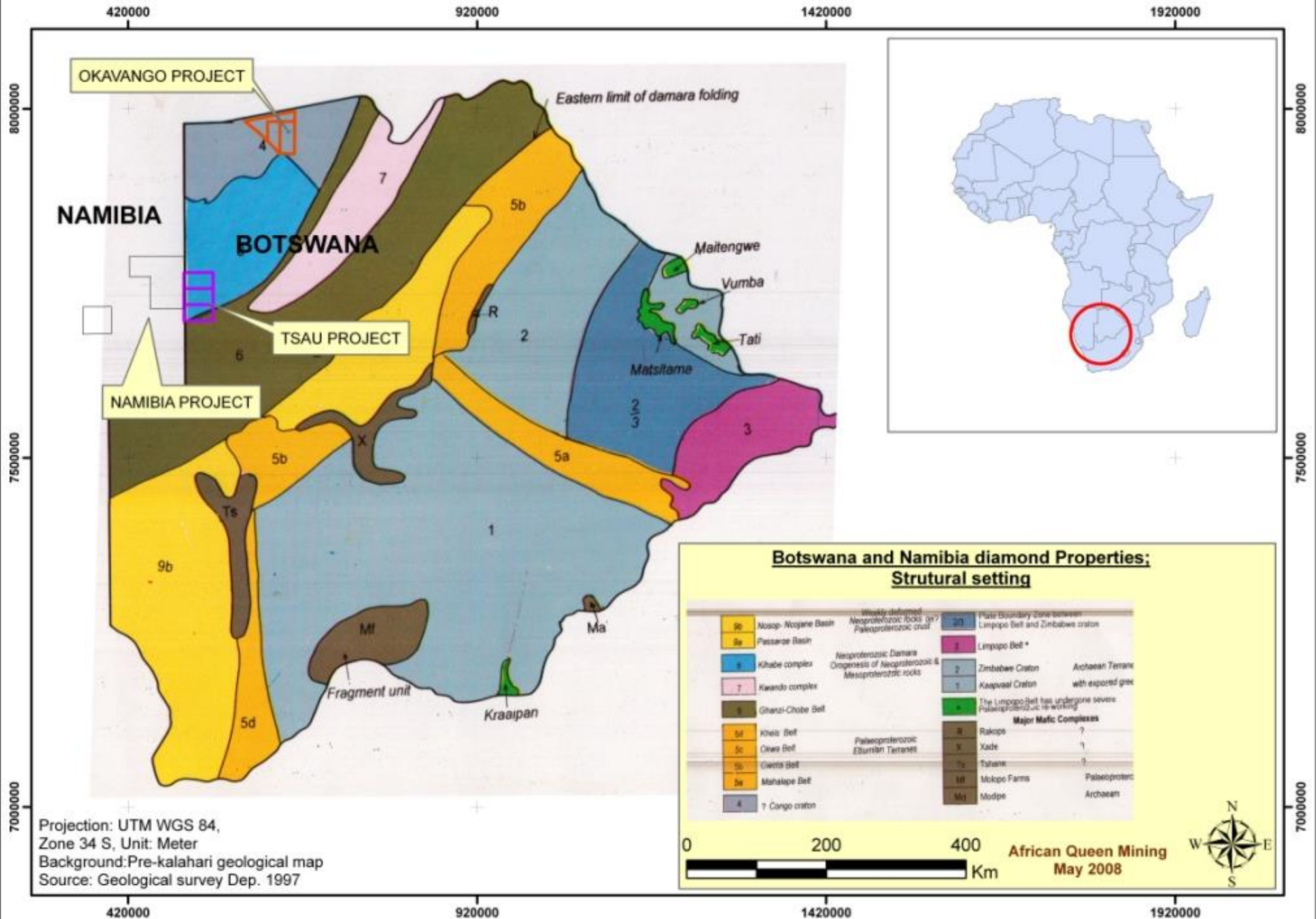


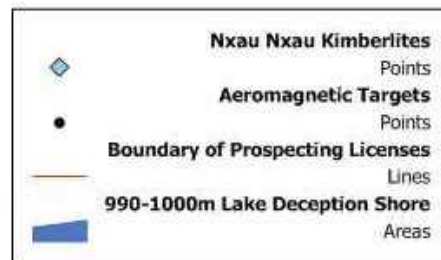




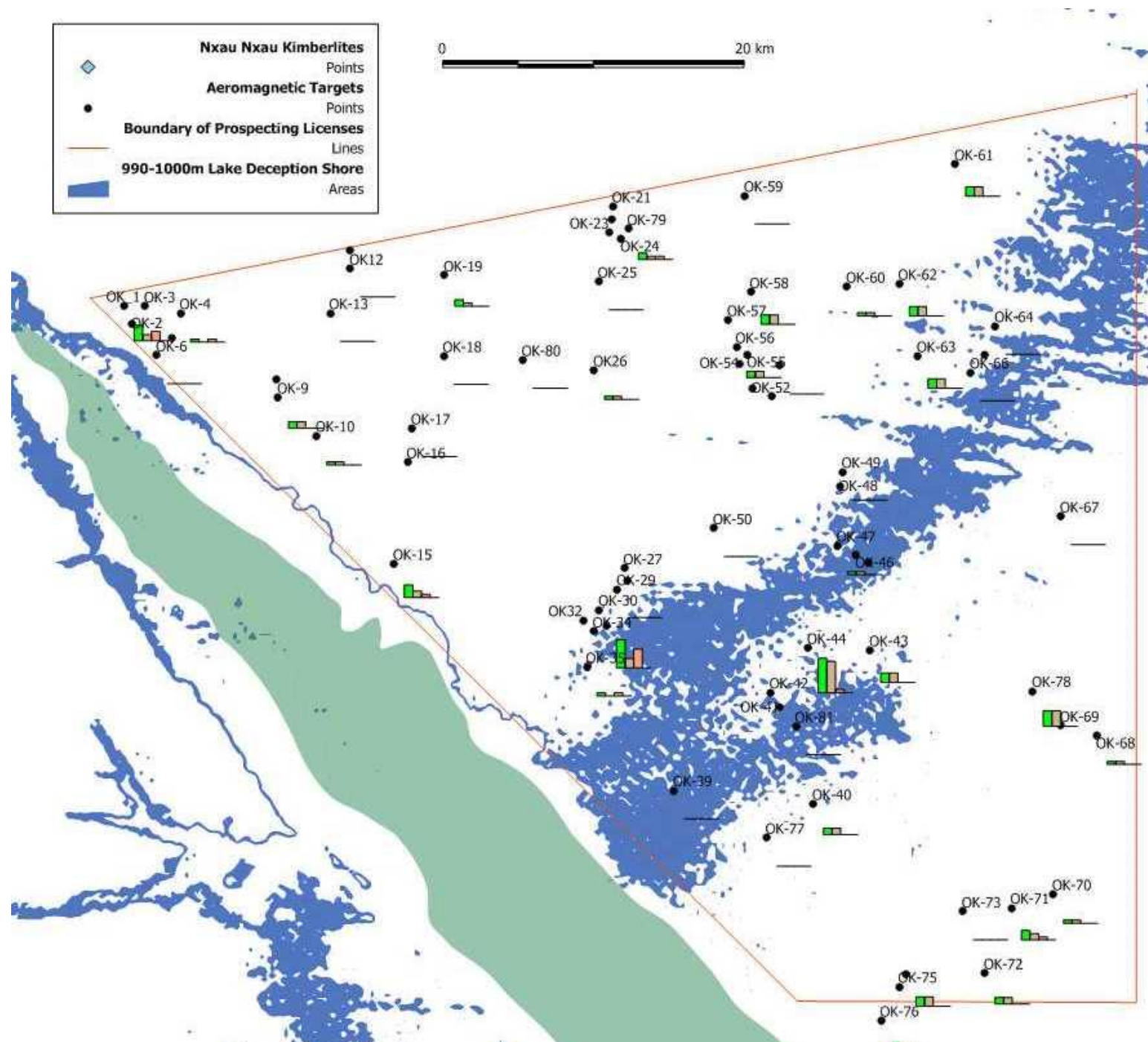








0 20 km



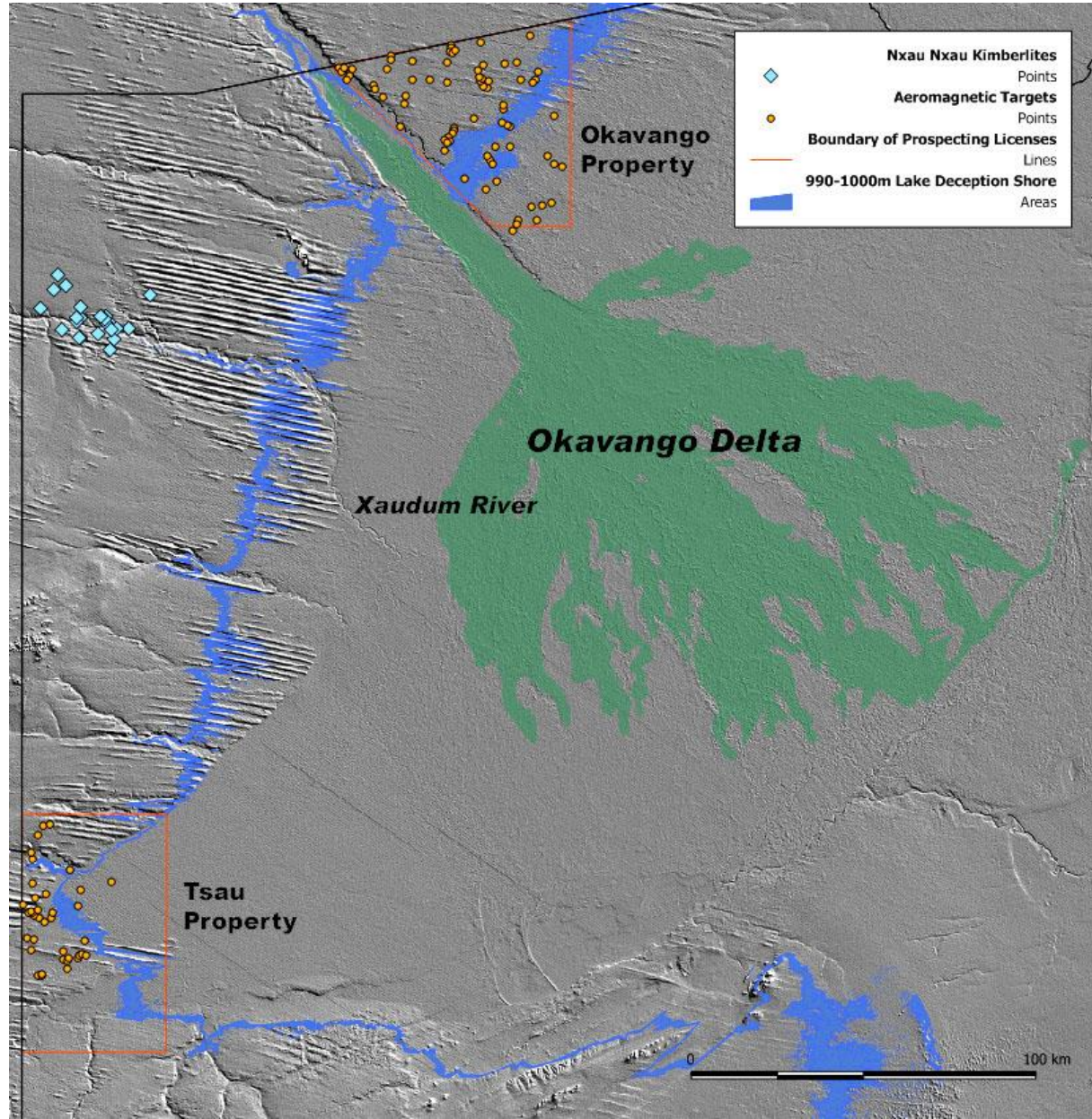
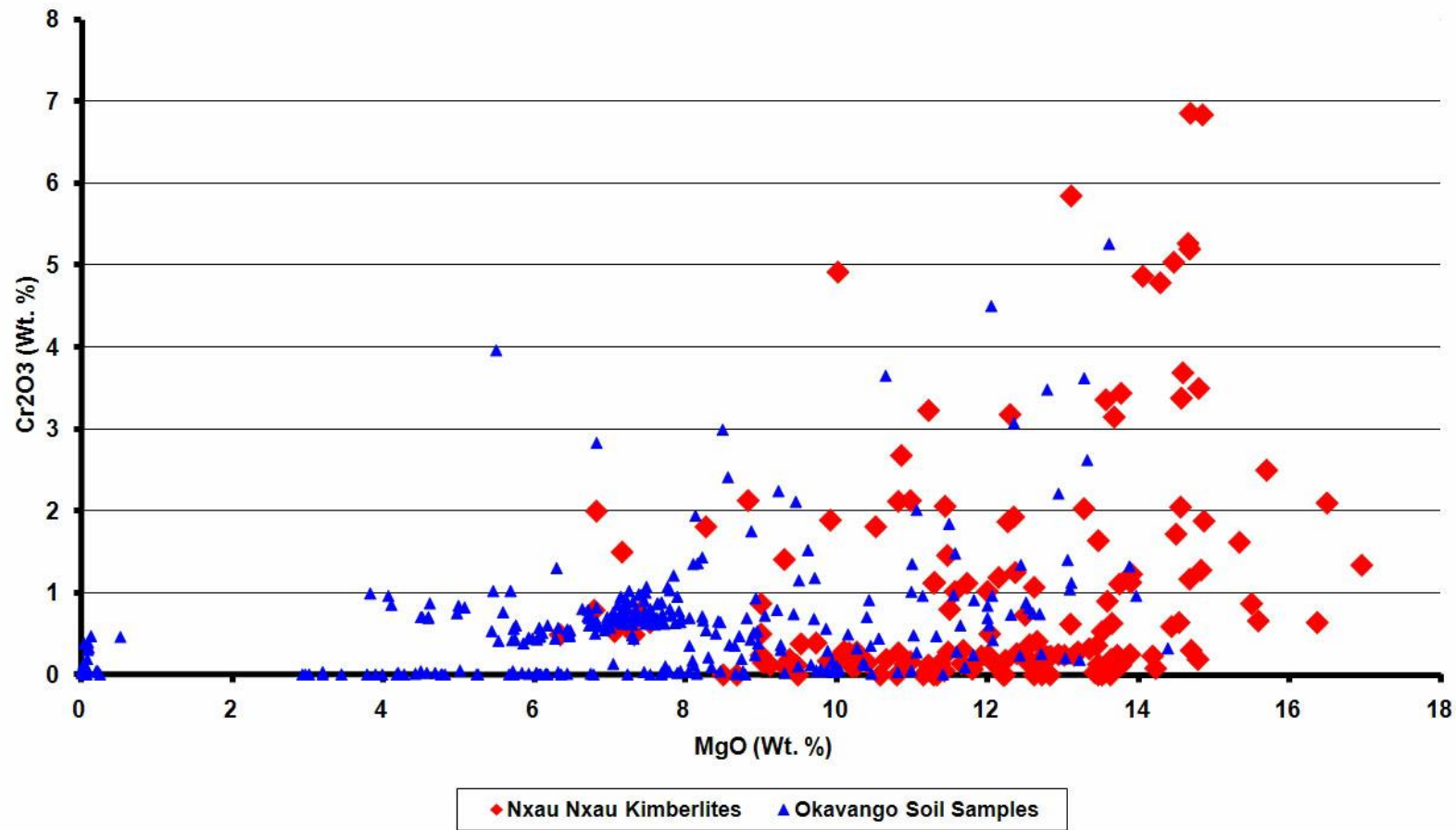
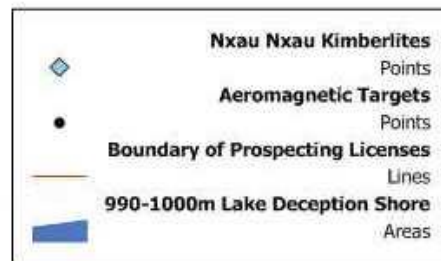
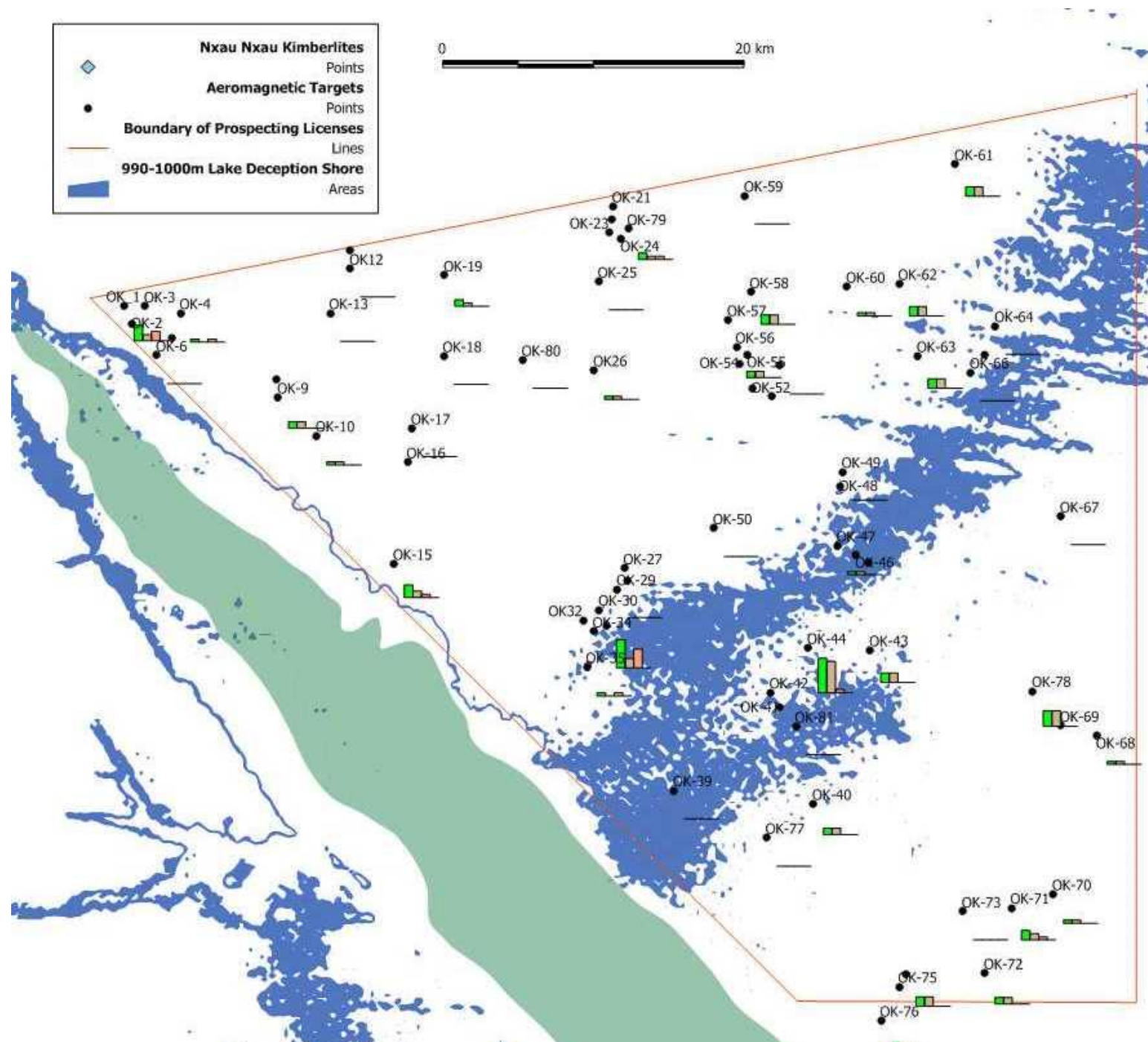


Fig. 7 Ilmenites from Nxau Nxau Kimberlites and Okavango Project soils

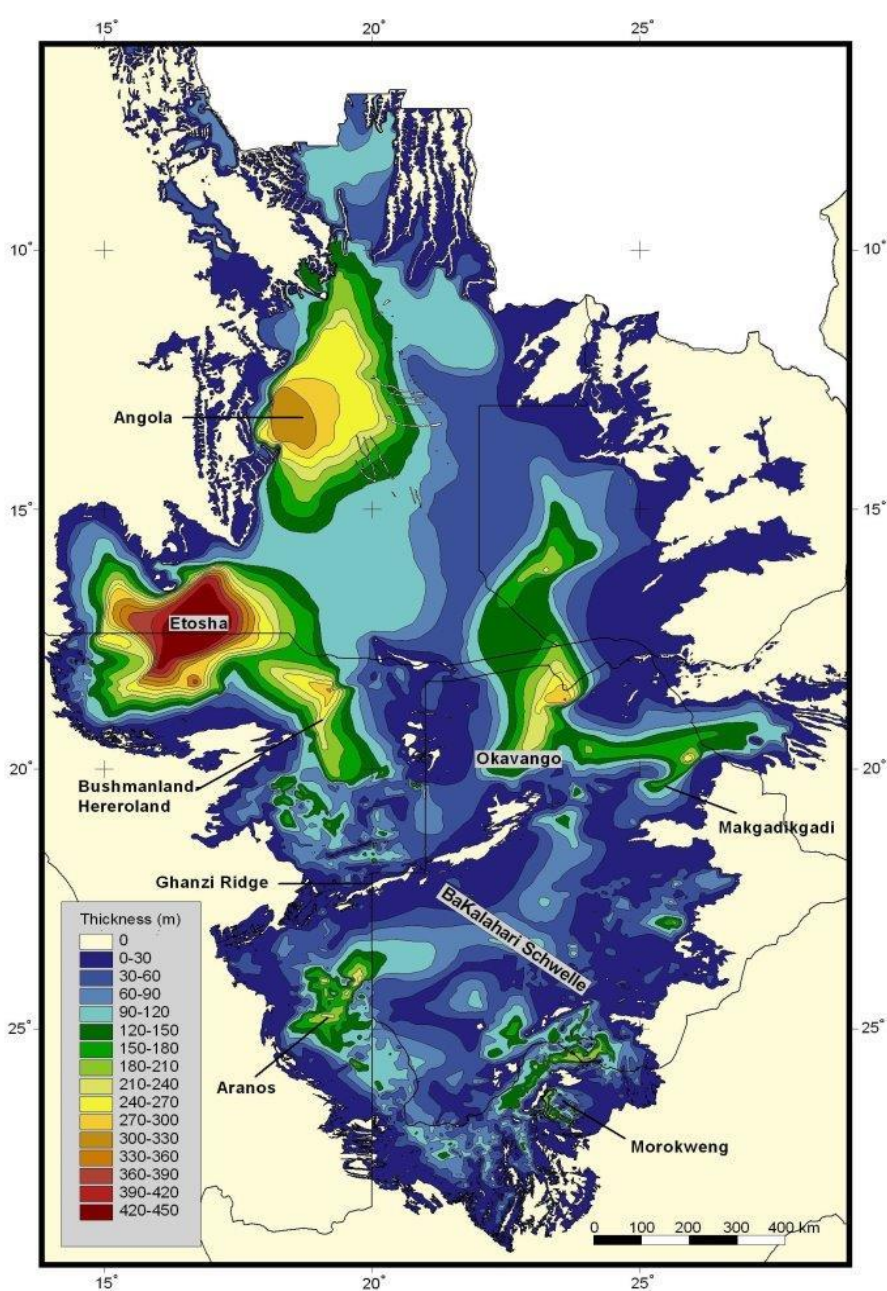


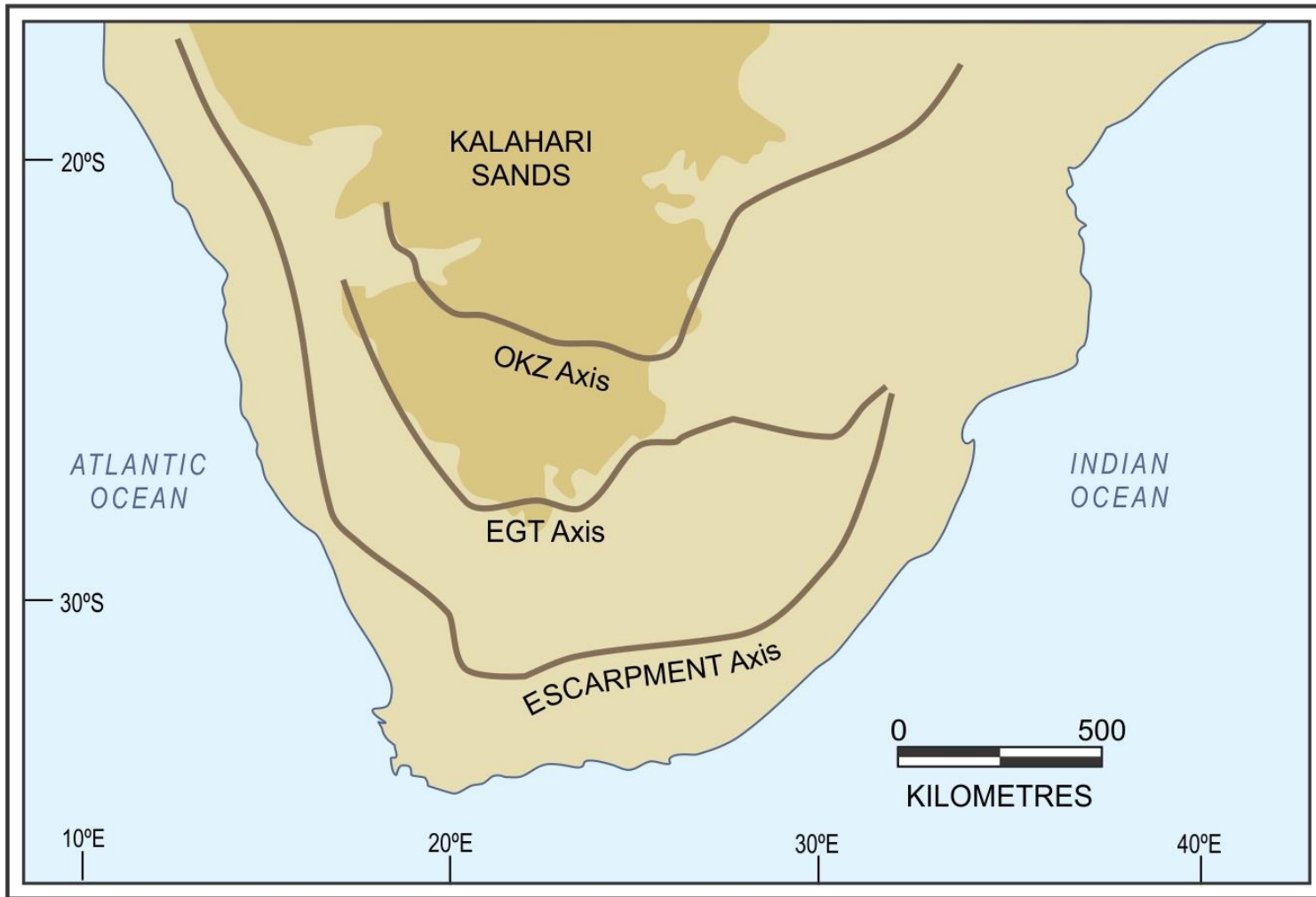


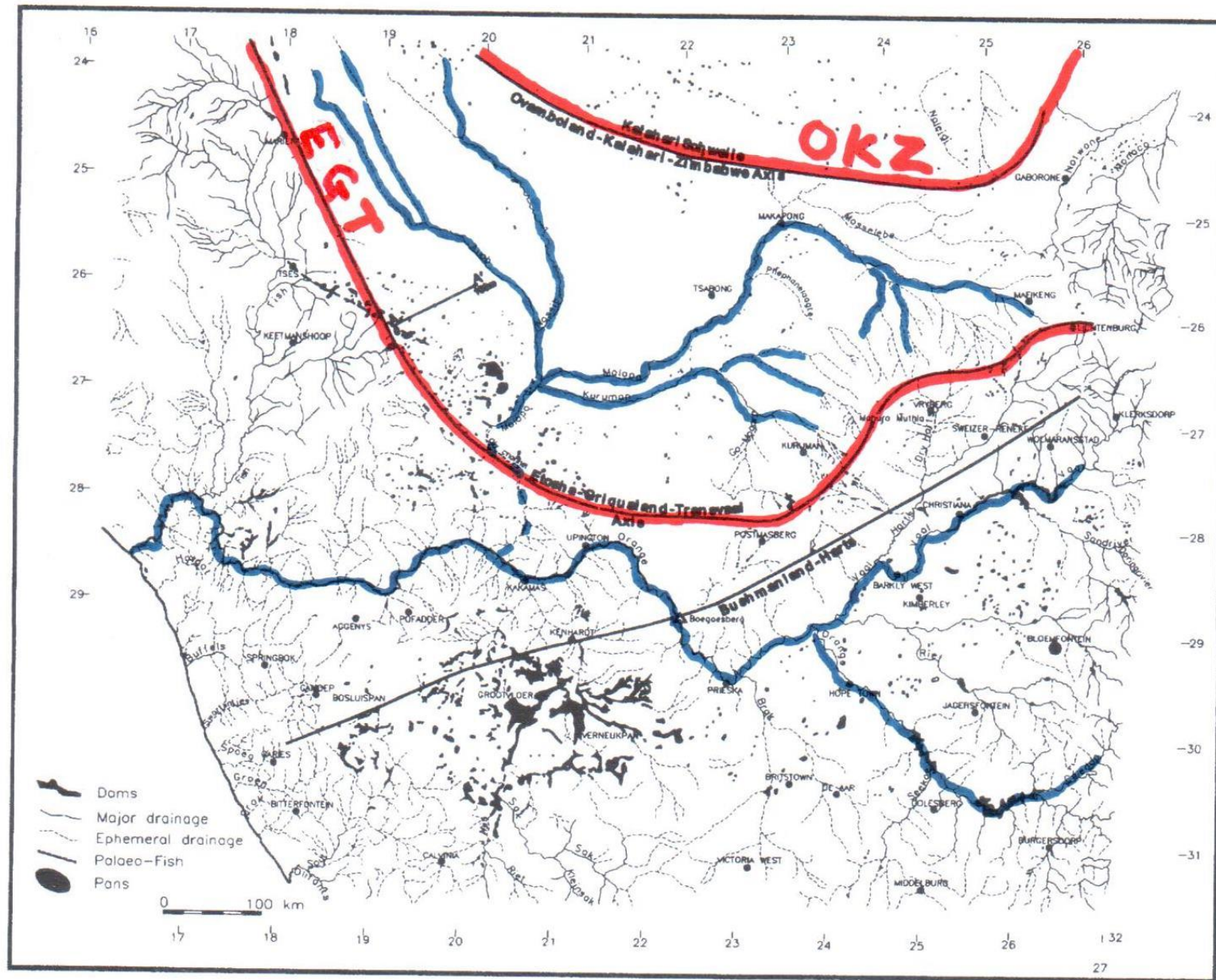
0 20 km



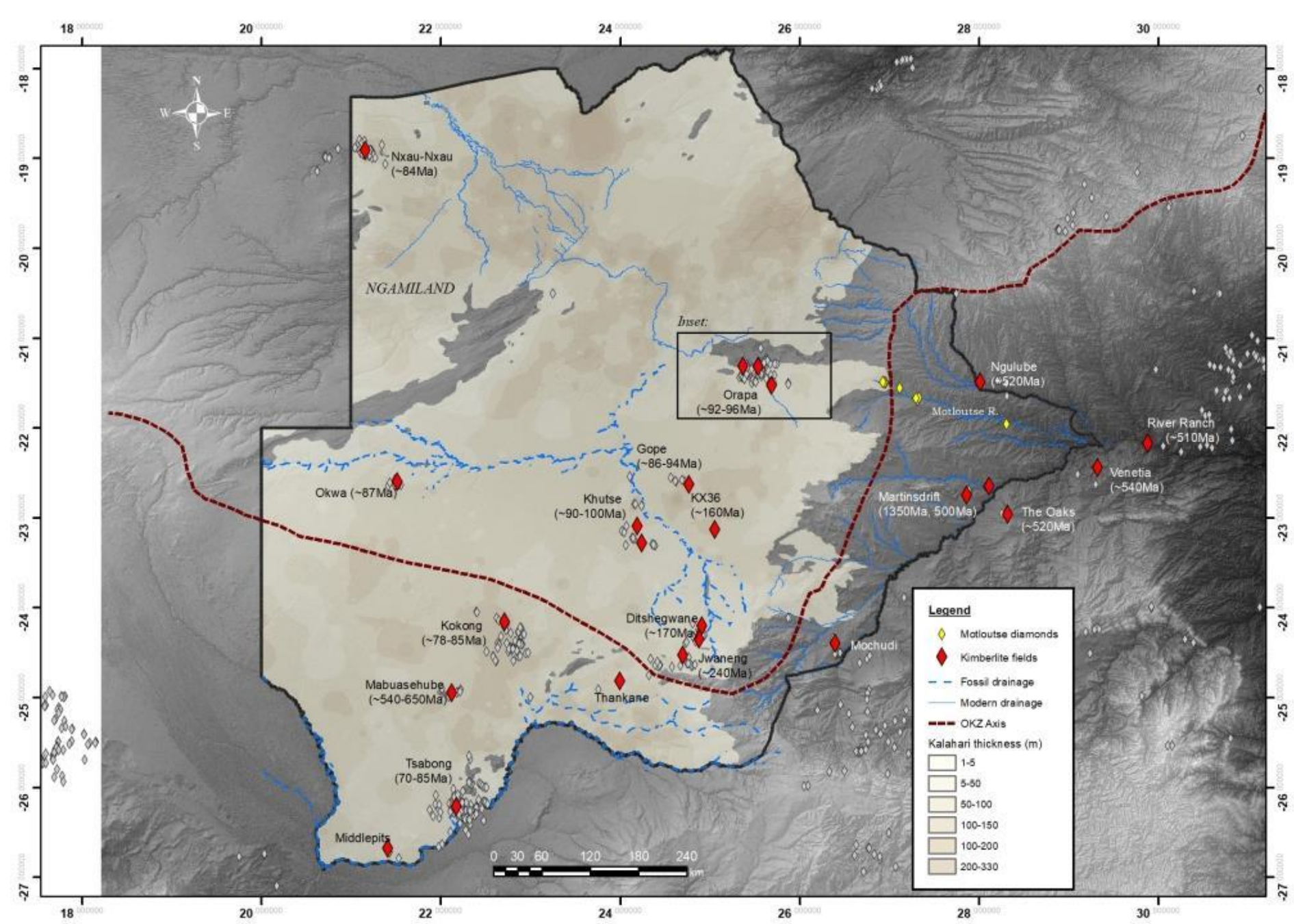
Kalahari Isopachs,
Ian Haddon,
PhD thesis (2006)













Calcrete-cemented conglomerate
capping 78 Ma kimberlite

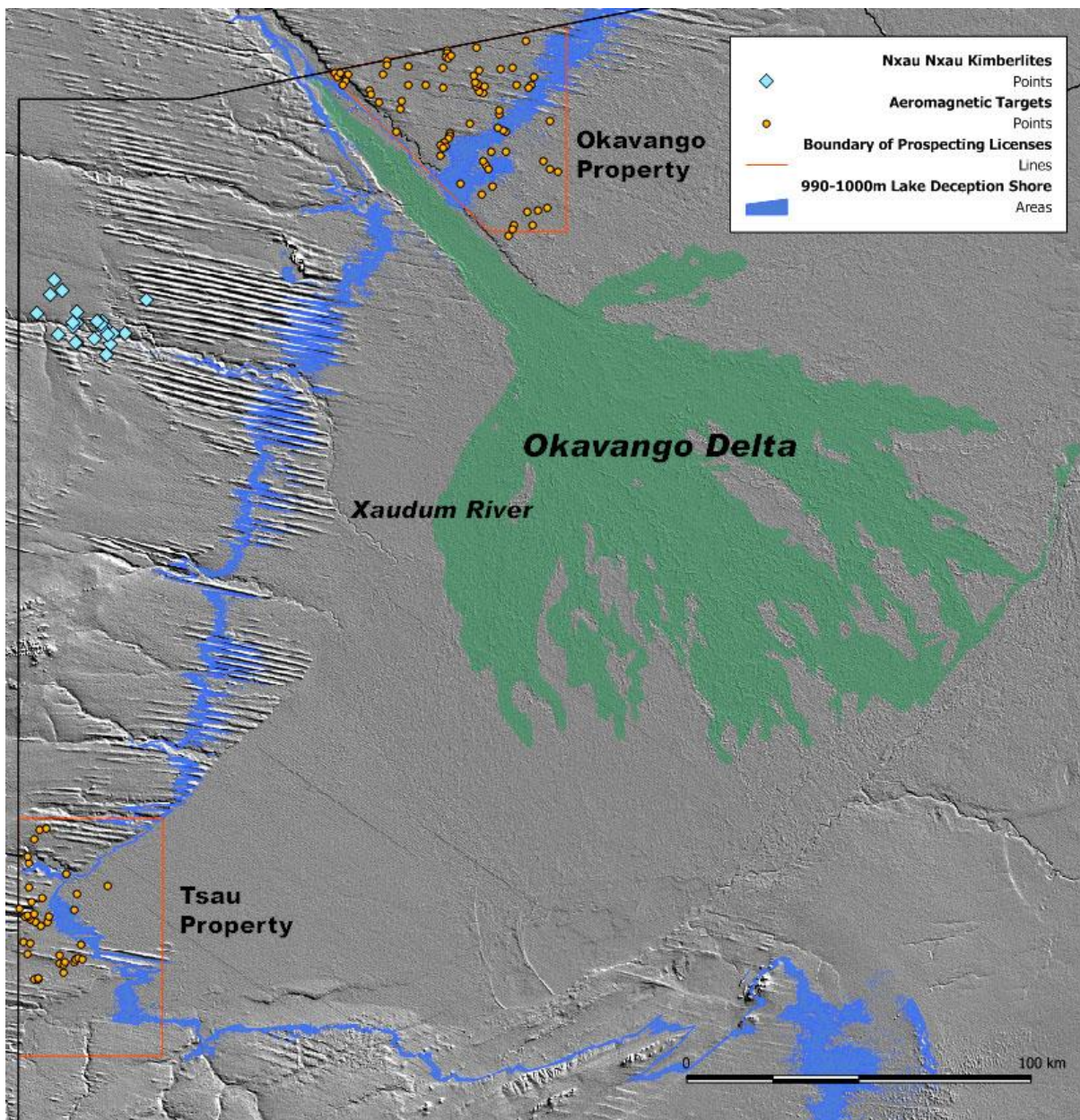


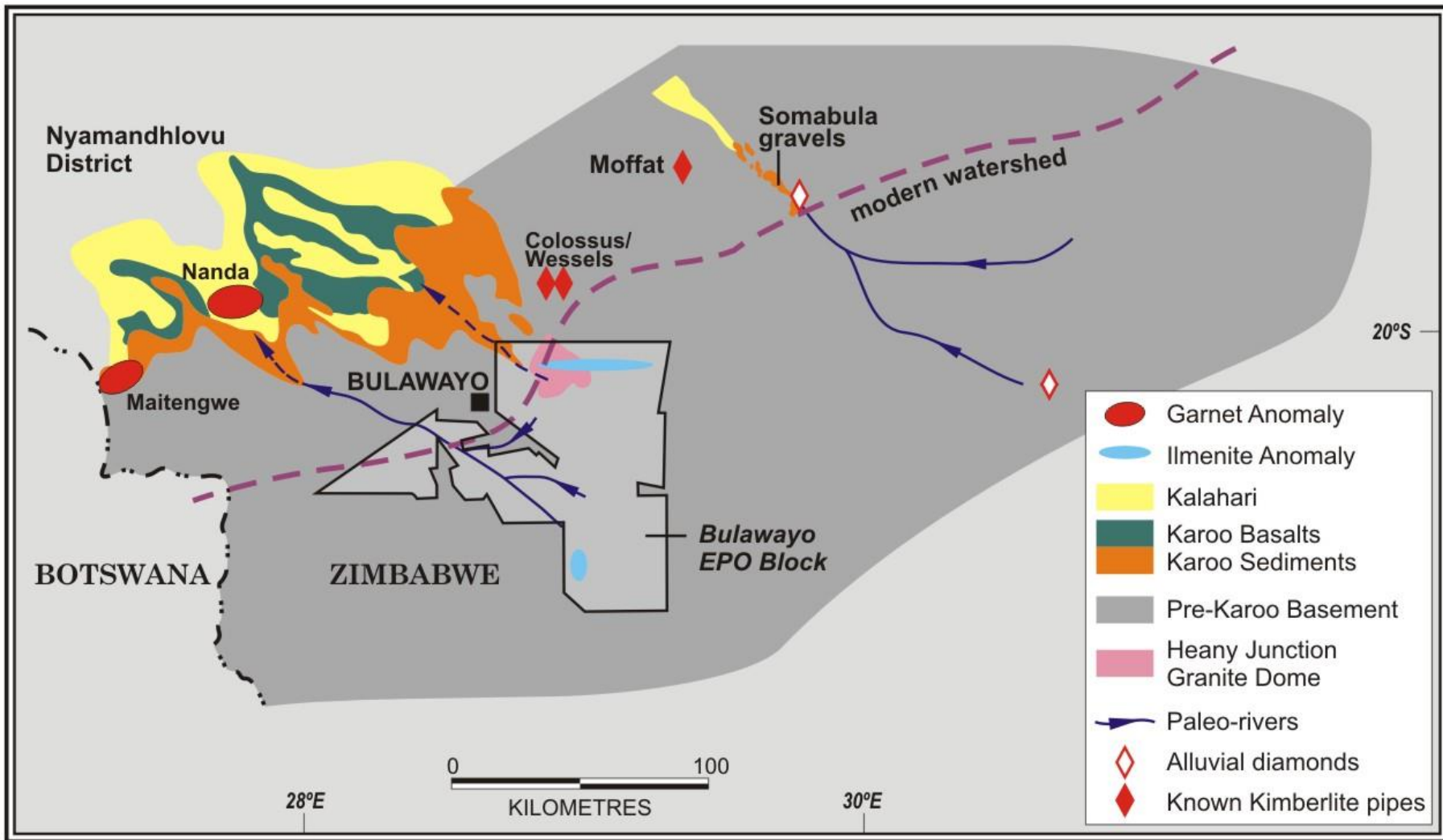
Calcrete-cemented
conglomerate in 78 Ma
kimberlite crater sediments



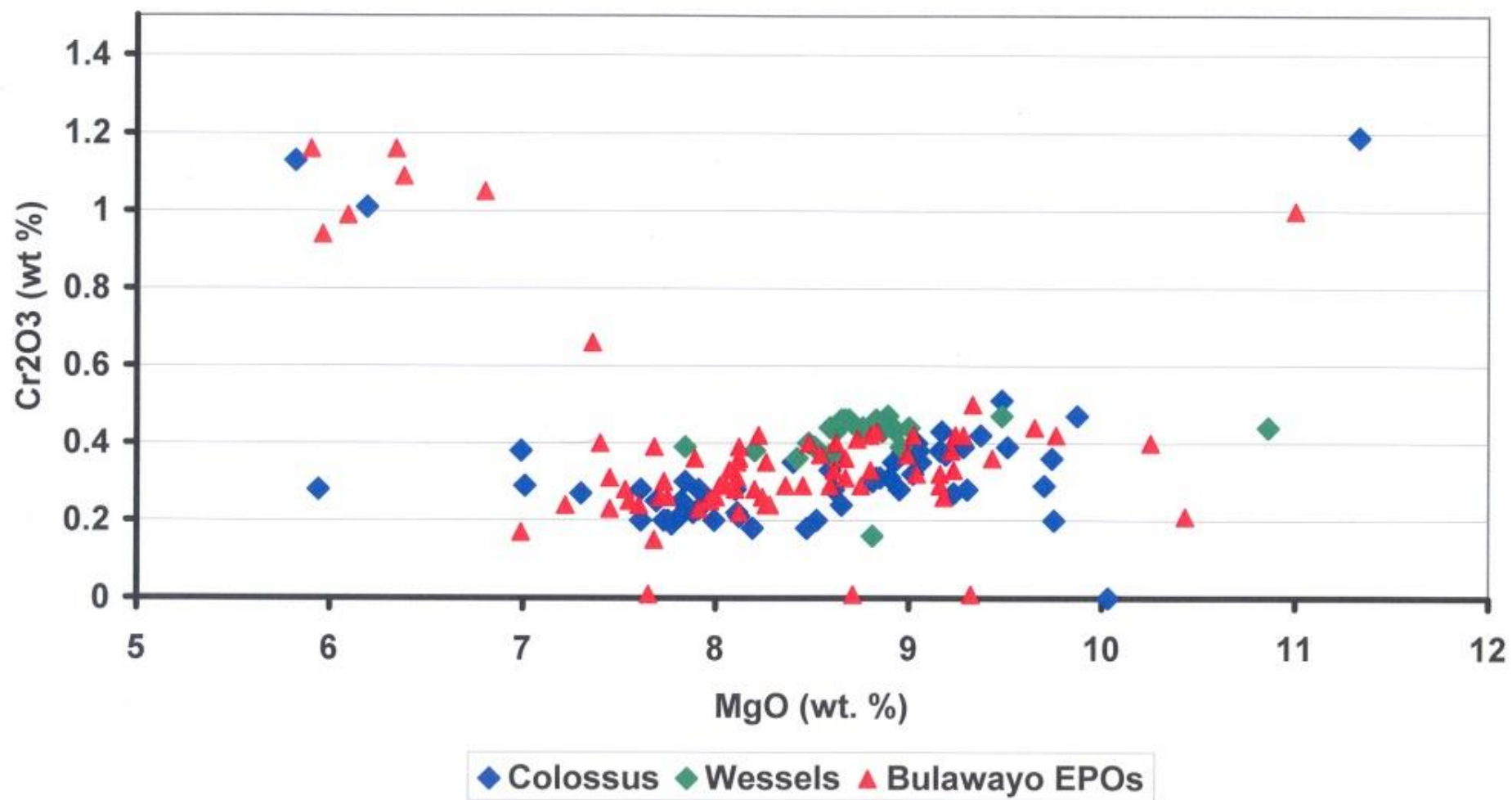
African surface silcrete partly replaced by calcrete – Eiseb valley, NE Namibia

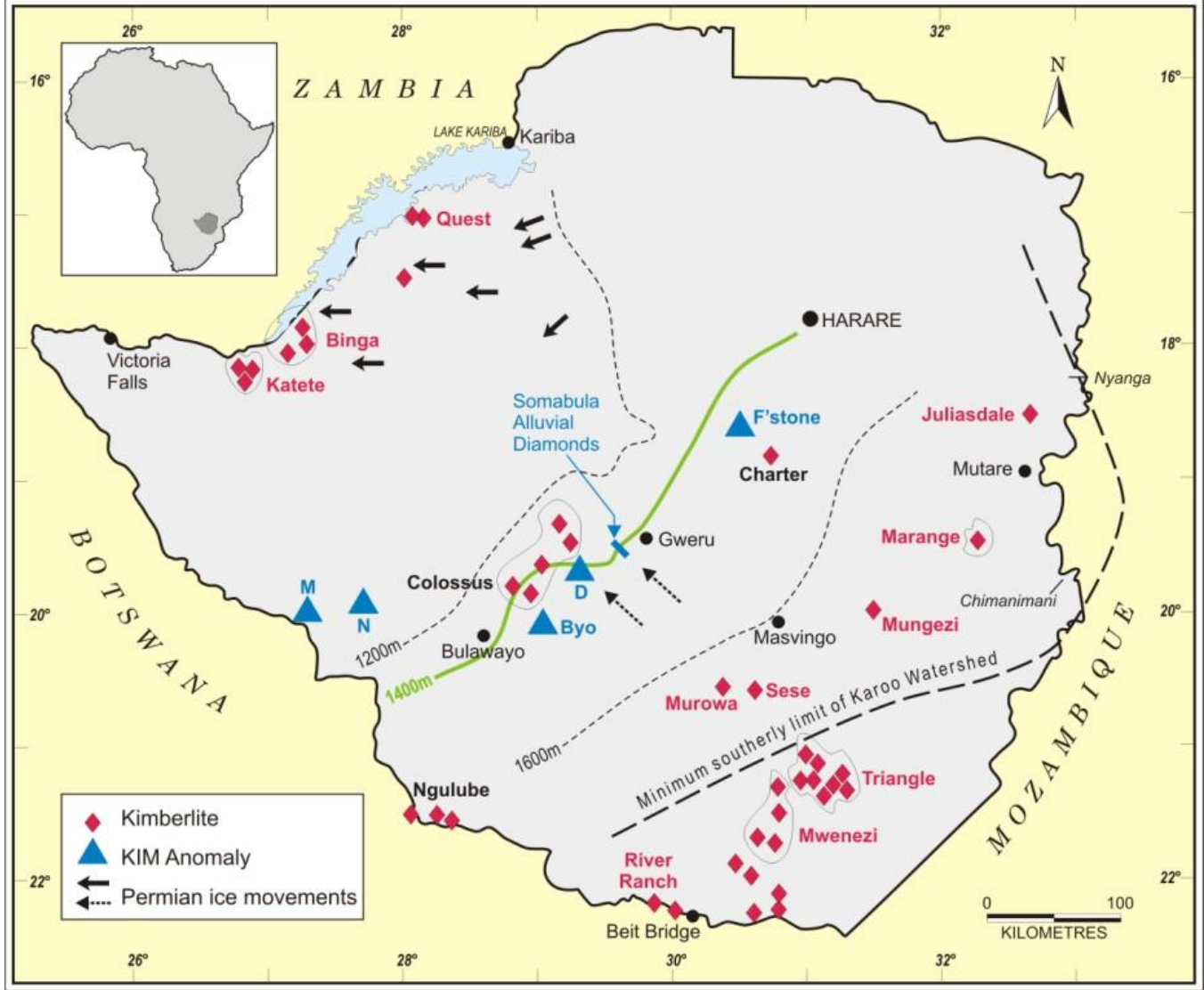






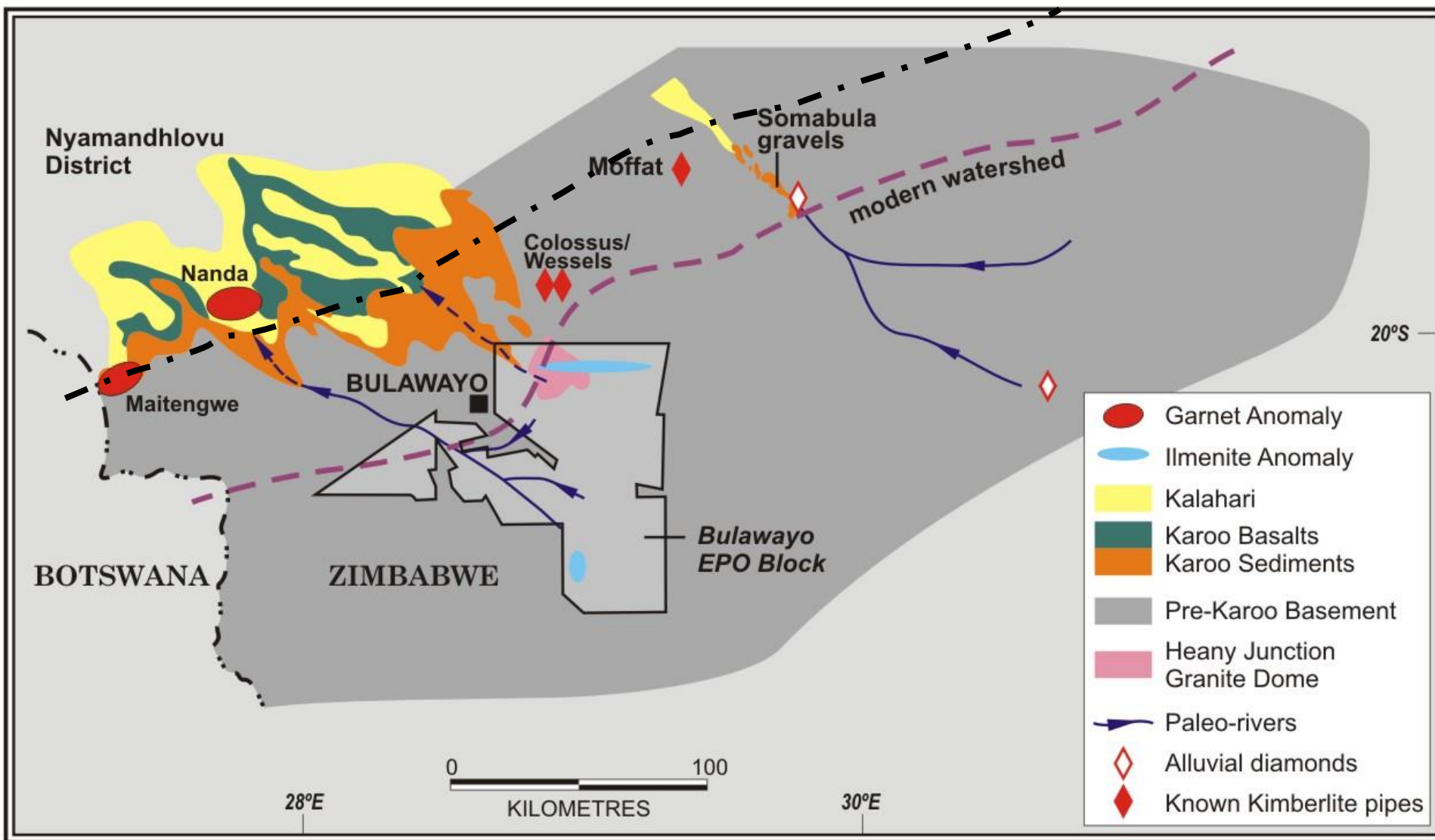
ILMENITES: Colossus & Wessels vs BYO EPOs



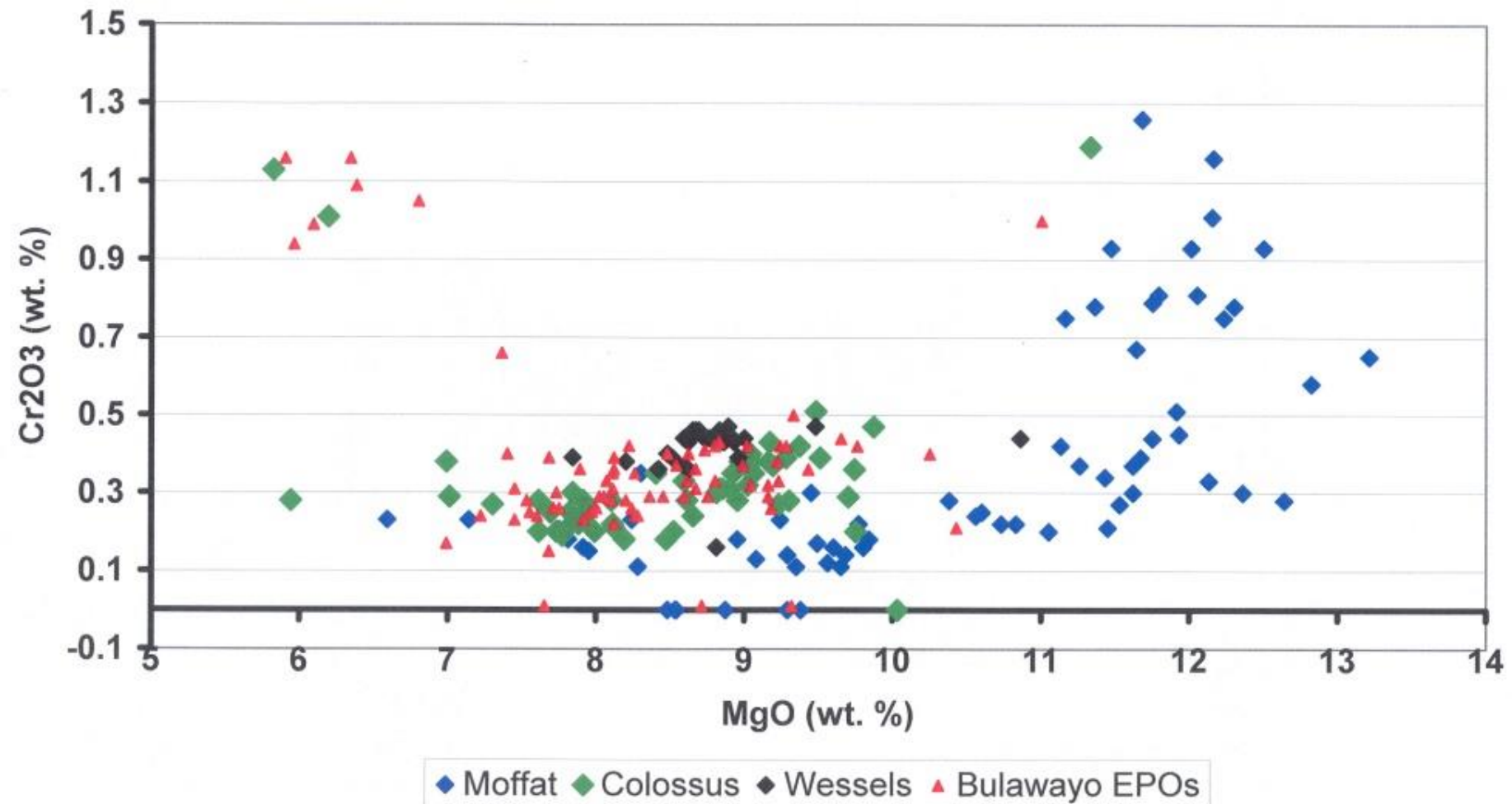


N

S



ILMENITES: Colossus kimberlites vs Bulawayo EPOs

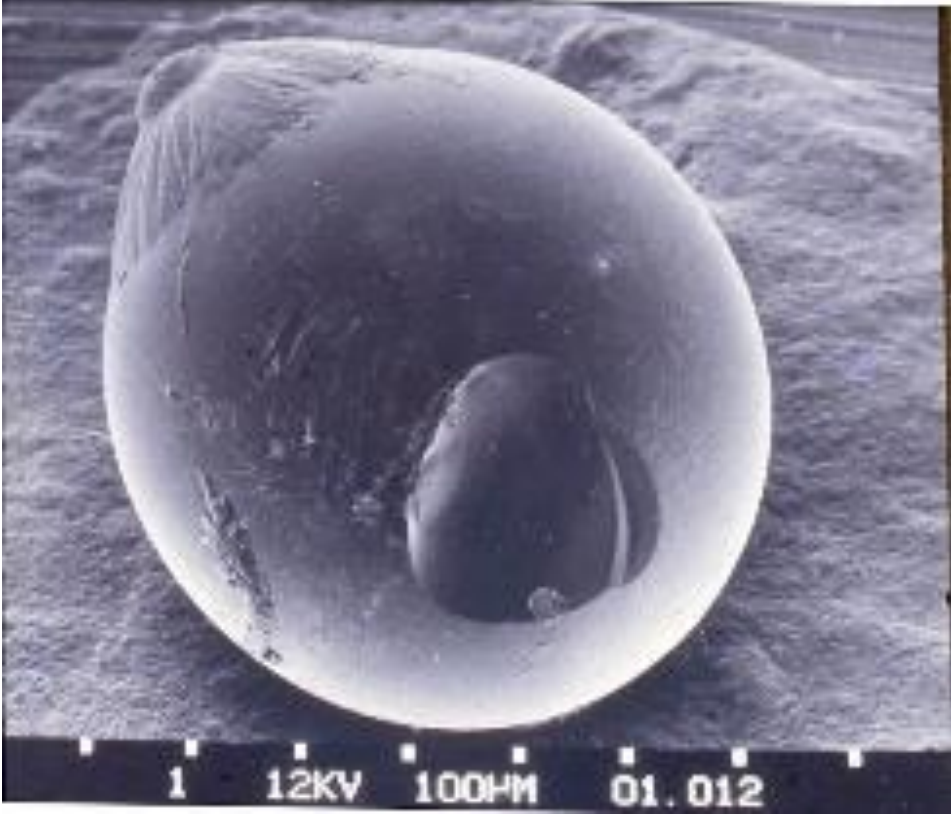




Wot is this??

Clue 1: It comes from the Kalahari

Clue 2: Sharad Master found it very exciting



Kalahari tektite ??



Tektite from Pretoria Salt Pan impact structure

