

K. WEST VALLEYS

Field Note K4e. The Ou Werf Valley - Geology - Fossils

Several clusters of clacrete lumps are located in a dune field on the floor of the Ou Werf Valley, at the foot of the hills to the east (Figure 1).



Figure 1. Satellite image of the Ou Werf Valley, showing the area (yellow ellipsoid) where clusters of lumpy clacrete are located.

The calcrete lump clusters are found on dunes and between them (Figures 2 and 3).



Figure 2. Cluster of calcrete lumps on top of dunes.



Figure 3. Cluster of calcrete lumps between dunes.

Some of the calcrete lumps contain fossils and rounded pebbles (Figures 4 to 7).



Figure 4. Calcrete lump with fossils and pebbles.



Figure 5. Calcrete lump with fossils and pebbles.



Figure 6. Calcrete lump with fossils and pebbles.



Figure 7. Calcrete lump with fossils and pebbles.

So far in this study, this is the only place in the Study Area where fossils are observed within calcrete. The presence of well-rounded pebbles, some of which are of quartz, in this aeolian environment is strange. Also strange is the fact that no loose shells or pebbles can be found around the calcrete lumps. The author discusses these features in Chapter W.