

## K. WEST VALLYES

### Field Note K6f. The Ou Werf Valley - Geology - Stone heaps

Fields of stone heaps have been located within the dunes of the Ou Werf Valley. Some of the heaps are in a cluster and others are along a nearly straight line, trending N-S (Figure 1). The heaps vary in size and height and comprise mostly of angular clasts of all sizes. Such heaps have not been observed anywhere else in the Study Area.

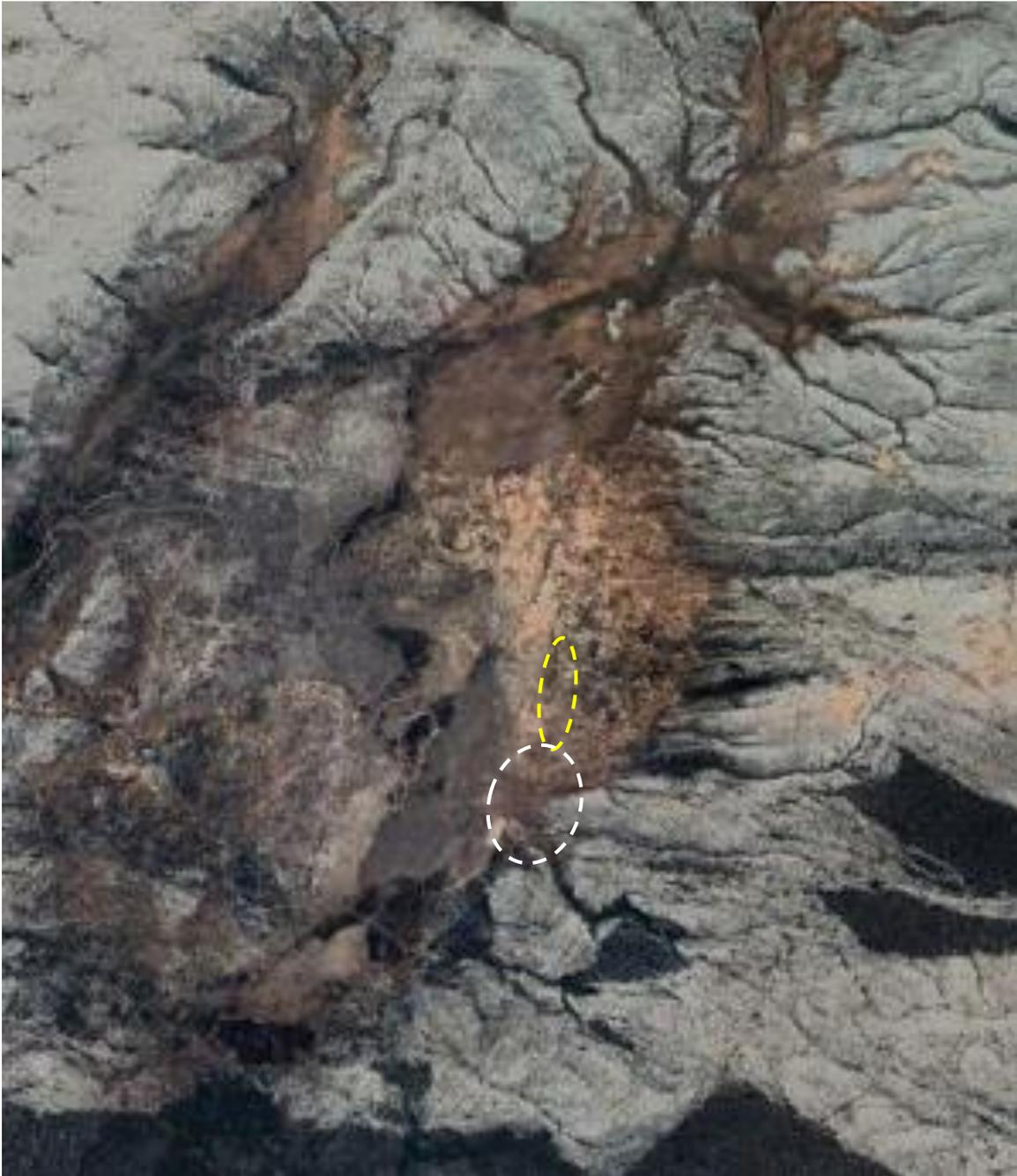


Figure 1. Satellite image of the Ou Werf Valley, showing the area where the stone heaps are located as a cluster (white ellipsoid) and along a nearly straight line (yellow ellipsoid).

The heap cluster is situated at the point where the outlets of three deep ravines, which come from the east and southeast, meet (Figures 2 to 7). The stone heaps could be the result of flash floods in the ravines. Some of the heaps are partially covered by sand.



**Figure 2. Satellite image of part of the Ou Werf Valley, showing the stone heap cluster (white ellipsoid) where three deep ravines converge .**



**Figure 3. Topographic map showing the relief of the area east of the stone heap cluster (white ellipsoid).**



**Figure 4. The cluster of stone heaps on the floor of the Ou Werf Valley. View to the west.**



**Figure 5. The cluster of stone heaps on the floor of the Ou Werf Valley. View to the southwest.**



**Figure 6. Some of the stone heaps in the cluster on the floor of the Ou Werf Valley.**



**Figure 7. A stone heap in the heap cluster on the floor of the Ou Werf Valley. Note that the stones are strewn at random, and that most of them are angular.**

The heaps along the nearly straight line are separated from the ravine outlets by sand dunes (Figure 8). Most stones in the heaps are sub-rounded and appear not to have been formed by natural processes (Figures 9 to 11).



**Figure 8. Satellite image of part of the Ou Werf Valley showing the area (yellow ellipse) where stone heap are situated along a nearly straight line.**



**Figure 9. One of several stone heaps along the nearly-straight line in the Ou Werf Valley. Most of the clasts are sub-rounded.**



**Figure 10.** One of several stone heaps along the nearly-straight line in the Ou Werf Valley.



**Figure 11.** The largest stone heap in the Ou Werf Valley. Note the different stone sizes and that the largest stone is on the top of the heap. Is this heap natural?

The stone heaps are discussed in Chapter W.