


D. DURICRUSTS

Field Note D7a. Calcretised landscape morphology – a field guide



Calcretised landscape.

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| <p><i>Secrets of De Hoop and Environs</i></p> | <p>Field notes on the GEOMORPHOLOGY, HYDROLOGY and ARCHAEOLOGY Between CAPE AGULHAS and CAPE INFANTA</p> |  <p>Geomorphological Research</p> |
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D. DURICRUSTS

Field Note D7a. Calcretised landscape morphology – a field guide

The author thanks Dr F Netterberg for his comments on the original draft.

Calcrete is abundant in the Study Area, particularly on the limestone hills (Hard Dunes) of the Bredasdorp Group and on the Bredasdorp Plain.

The purpose of this field guide is to summarise the morphological features of the various calcretes in the Study Area, which were described in many Field Notes in this chapter, and to help distinguish between the various types and habits (appearances). As more observations in the study Area are made, this field guide is expanded from time to time.

The summary is presented here in eight plates, as follows:

1. Calcrete identification by colour
2. Calcrete on the Enon Formation
3. Calcrete on the consolidated Wankoe Formation
4. Calcrete on the non-consolidated Wankoe Formation
5. Calcrete on the Waenhuiskrans Formation
6. Calcrete on the Bredasdorp Plain
7. Calcrete-silcrete intergrade in periodical lakes
8. Minor calcrete habits

1. *Calcrete identification by colour*


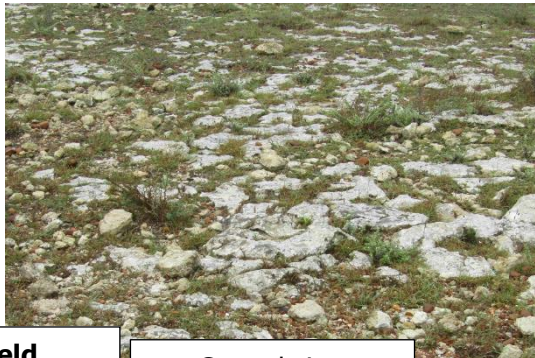

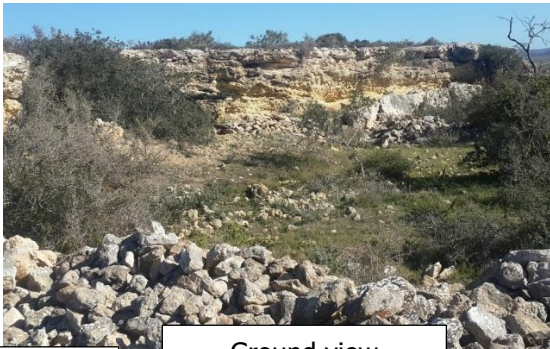




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|---|------------------------------|--|
|  | Bokkeveld Formations |  |
| Satellite image | | Ground view |
|  | Enon Formation |  |
| Satellite image | | Ground view |
|  | Bredasdorp Formations |  |
| Satellite image | | Ground view |
|  | Sand dunes |  |
| Satellite image | | Ground view |

Plate 1. Identification of calcrete by the grey colour of the lichens.

2. Calcrete on the Enon Formation

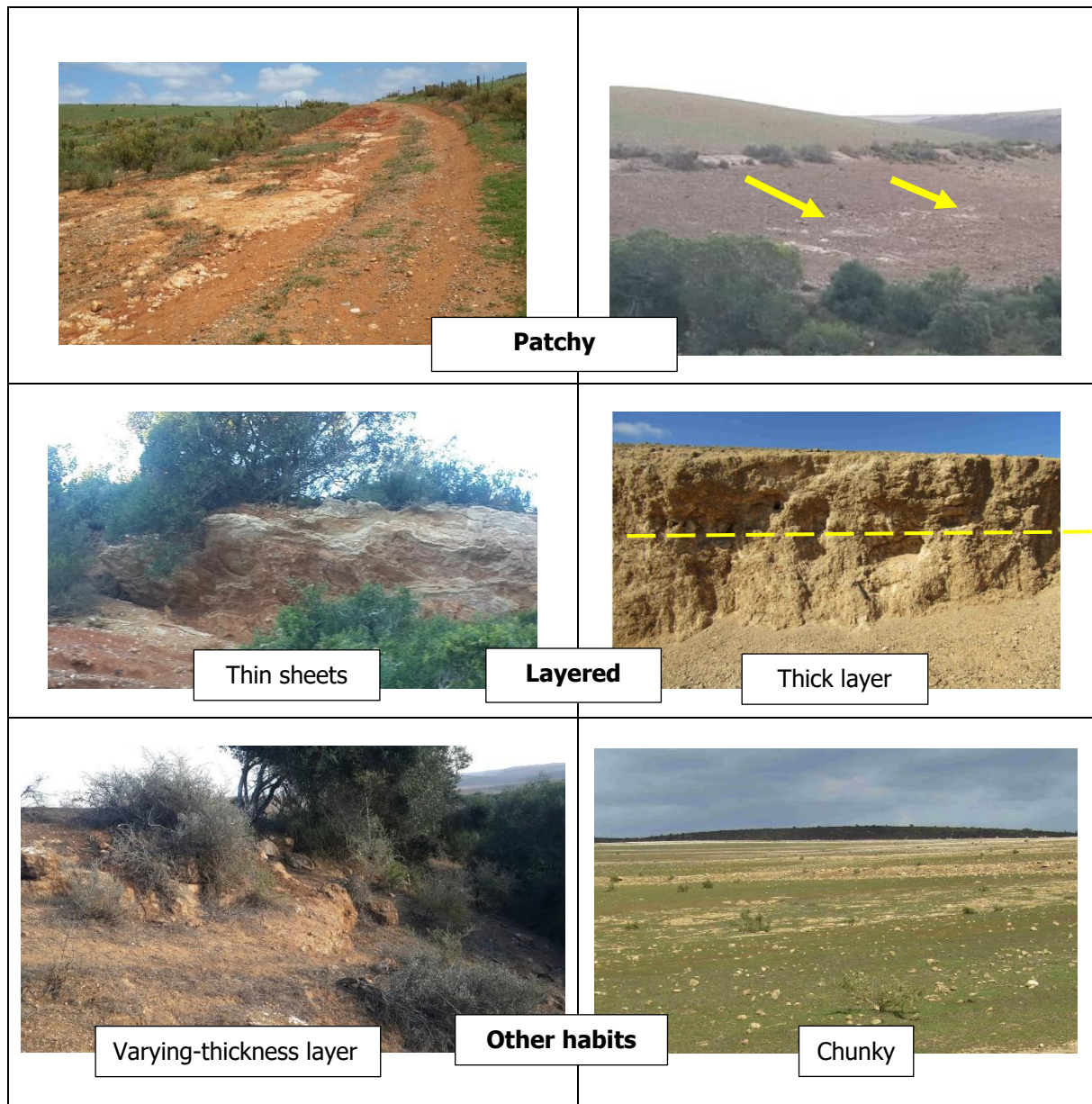


Plate 2. Calcrete habits on the Enon Formation.

3. Calcrete on the consolidated parts of the Wankoe Formation

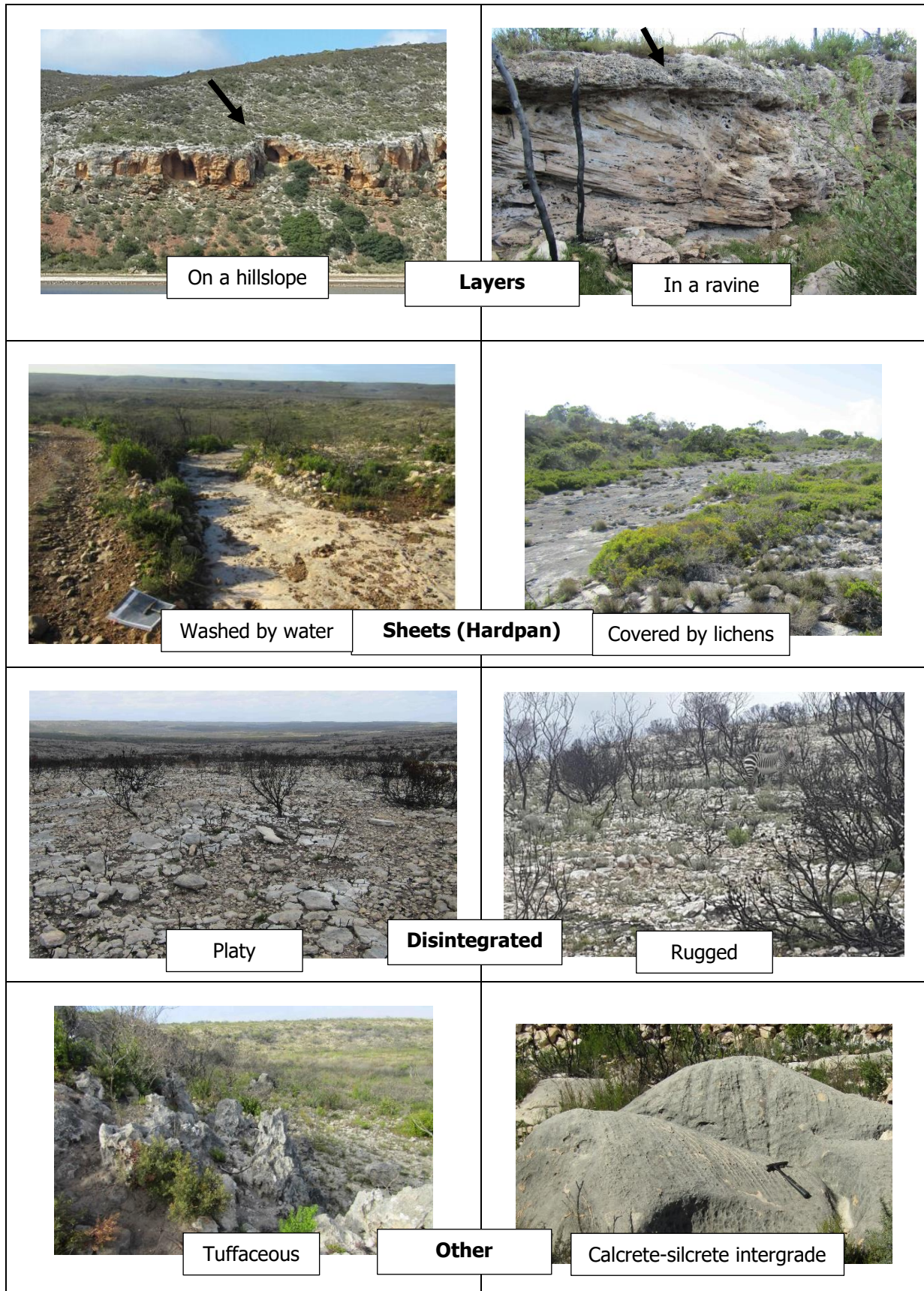


Plate 3. Calcrete habits on the consolidated parts of the Wankoe Formation.

4. Calcrete on the non-consolidated parts of the Wankoe Formation

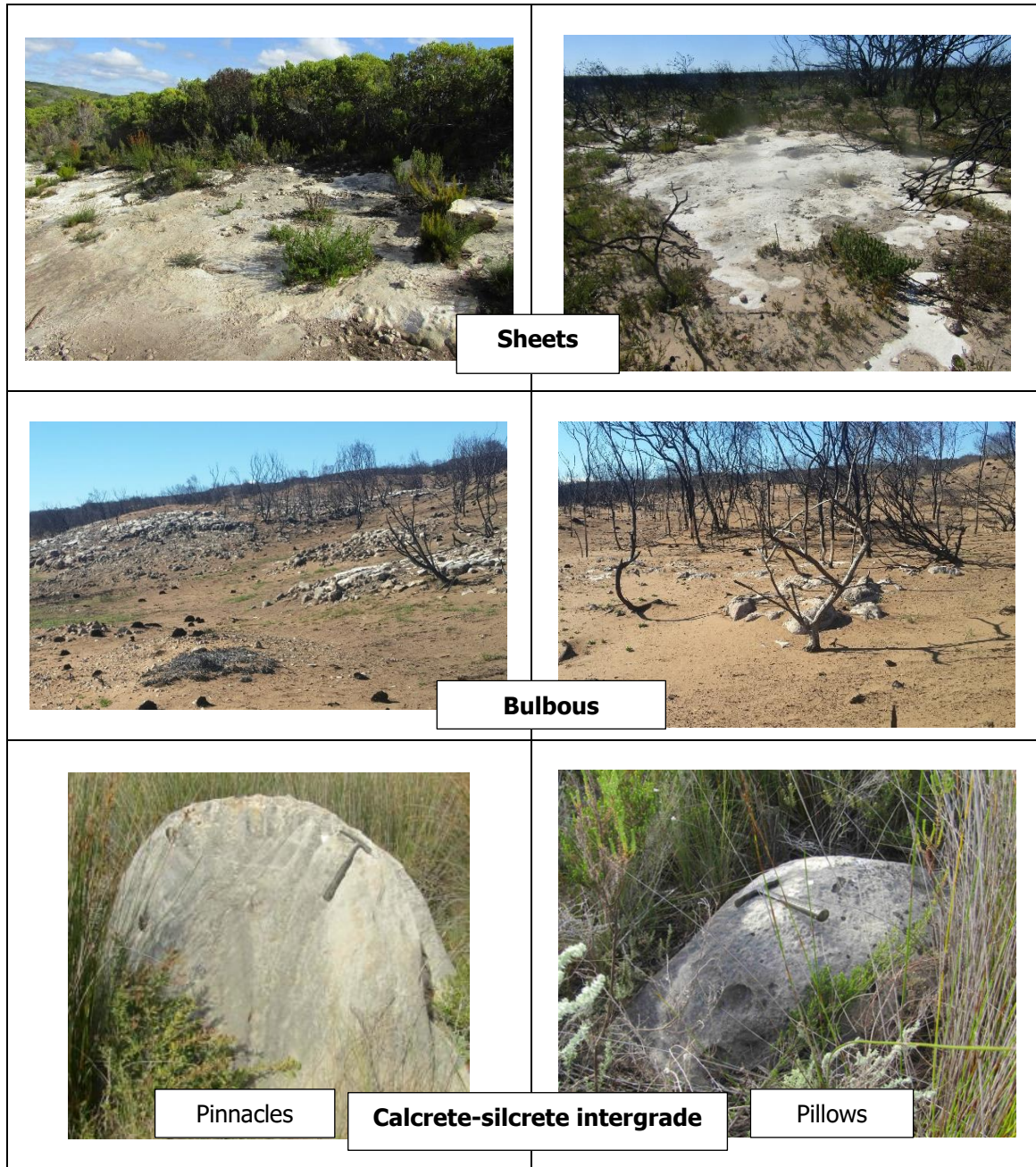


Plate 4. Calcrete/silcrete habits on the non-consolidated parts of the Wankoe Formation.

5. Calcrete on the Waenhuiskrans Formation

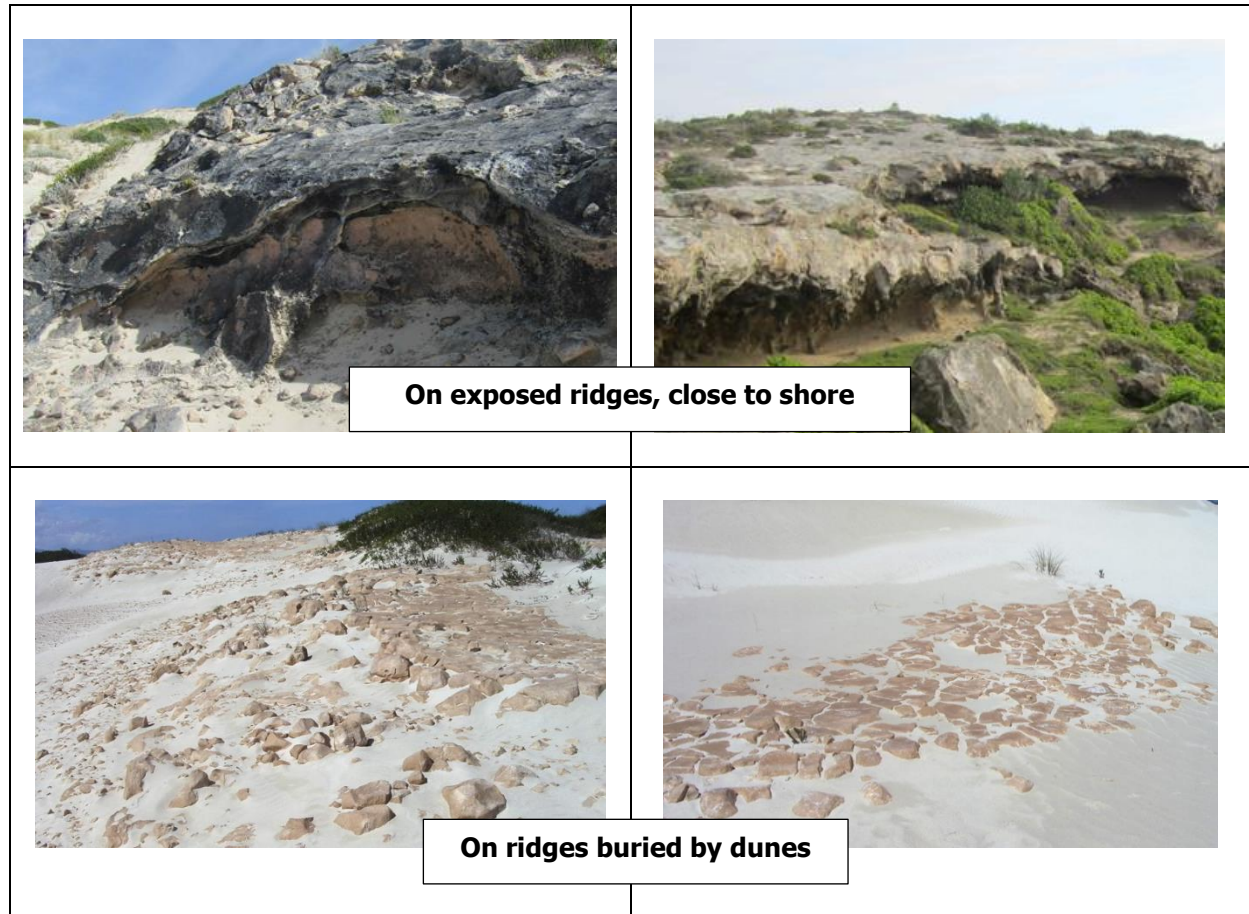


Plate 5. Calcrete habits on the Waenhuiskrans Formation.

6. Calcrete on the Bredasdorp Plain

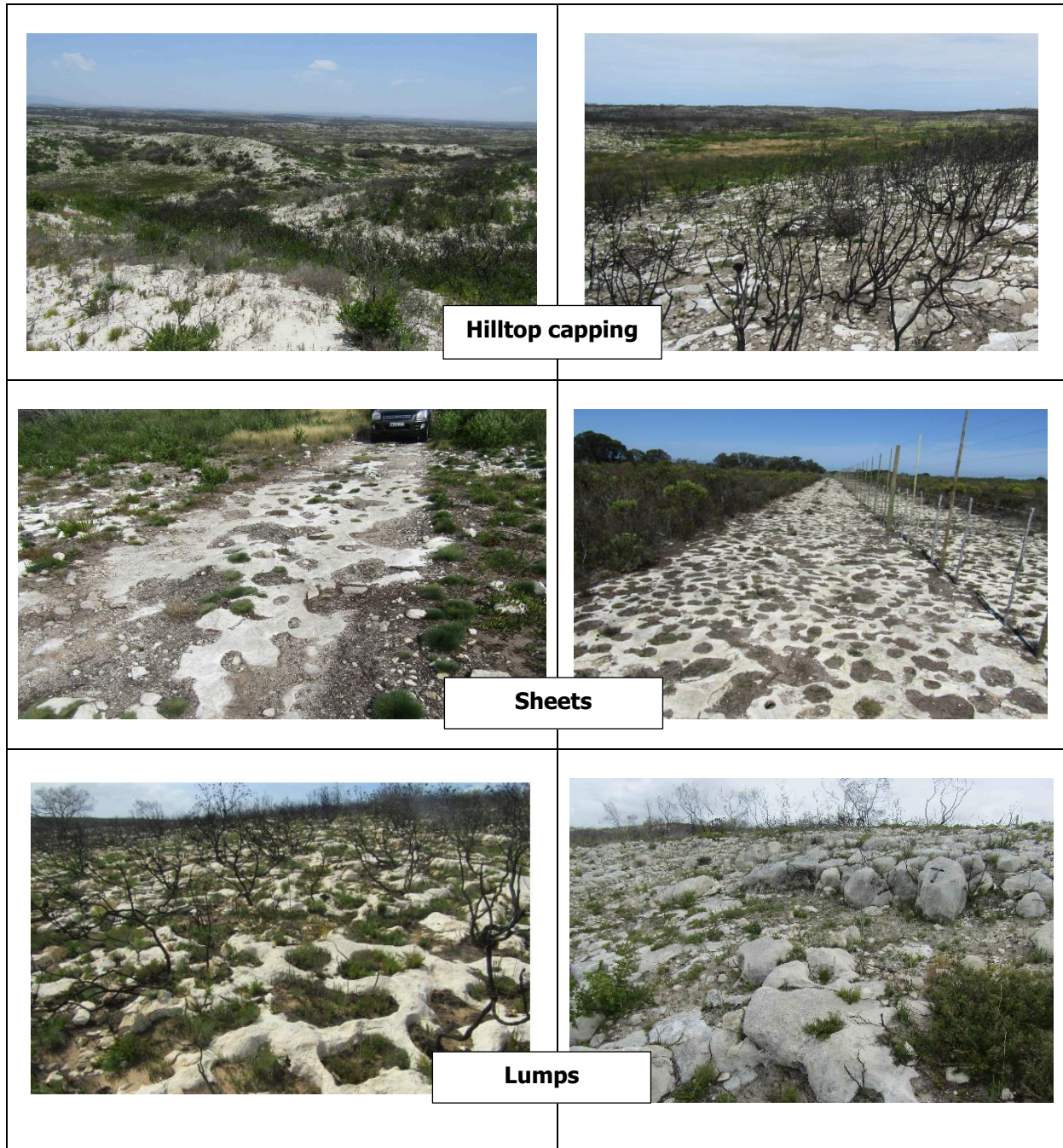


Plate 6. Calcrete habits on the Bredasdorp Plain.

7. Calcrete-silcrete intergrade in periodical lakes

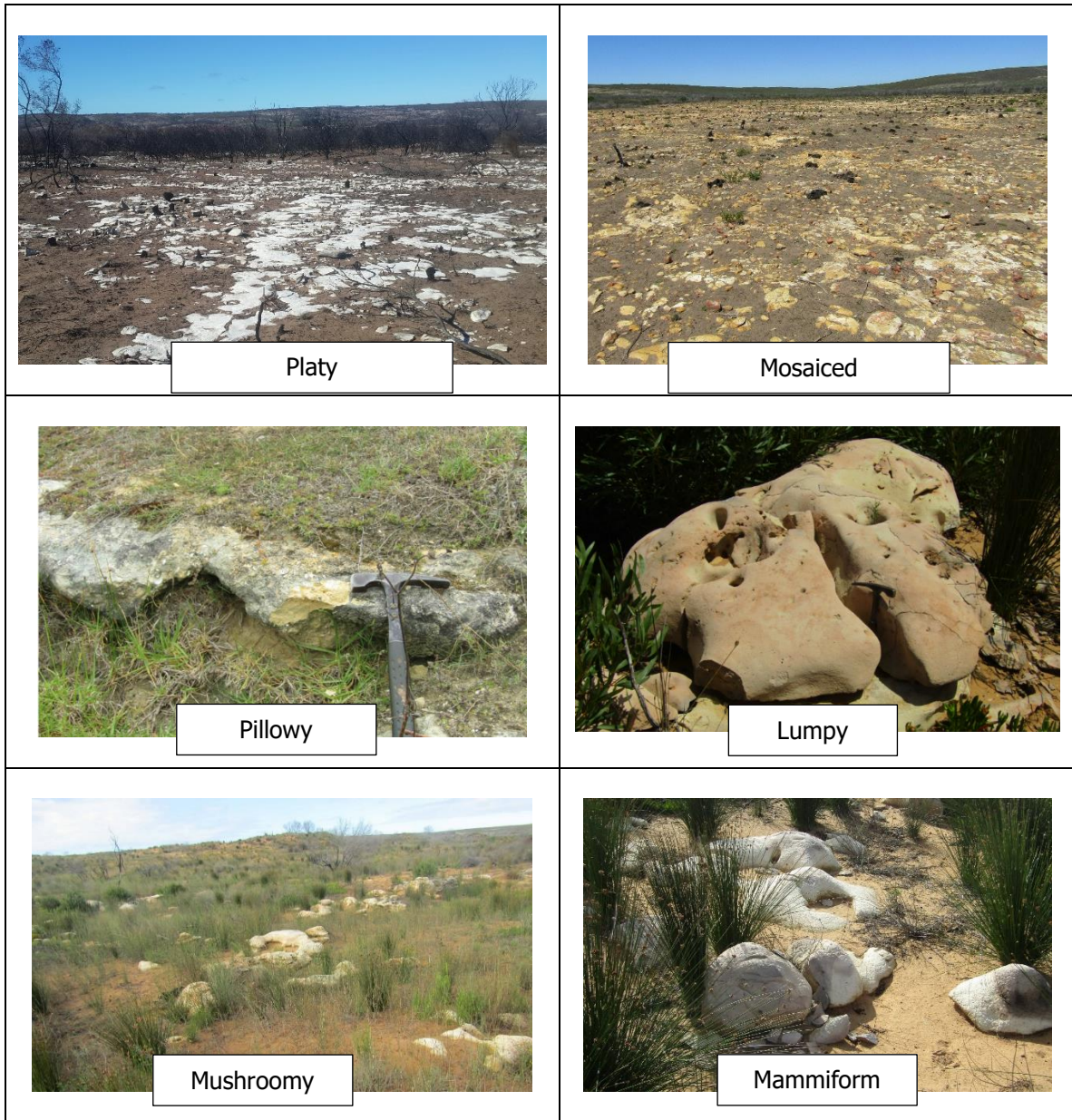


Plate 7. Calcrete-silcrete intergrade habits in periodical lakes.

8. Minor calcrete features

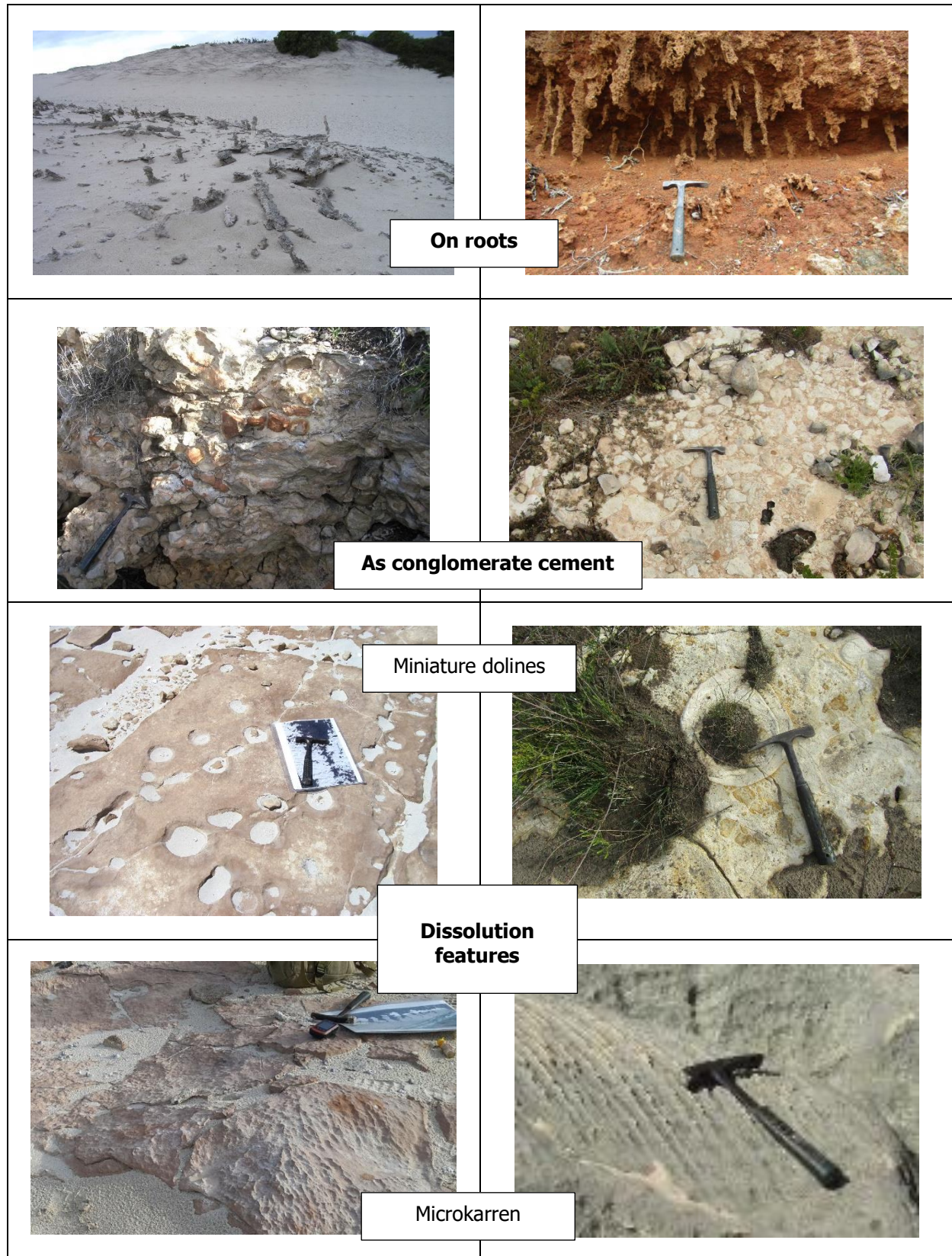


Plate 8. Calcrete minor morphological features.