


D. DURICRUSTS

Field Note D7b. Silcretised and ferricretised landscape – a field guide



Hilltop silcrete.

<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

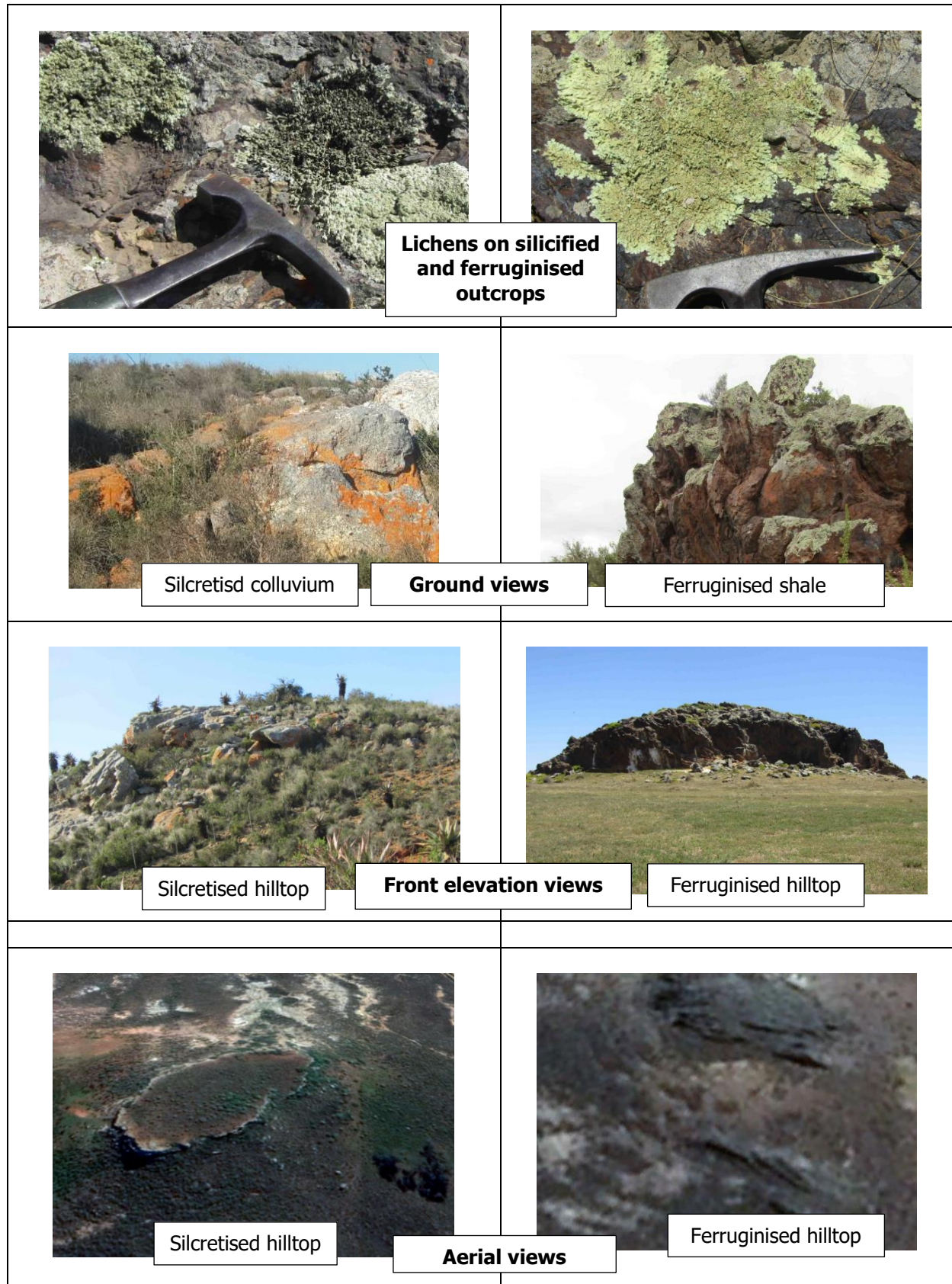
Field Note D7b. Silcretised and ferricretised landscape – a field guide

The purpose of this Field Note is to summarise the geomorphological features of the various silcretes and ferricretes in the Study Area, which were described in this chapter, by way of photograph plates.

These plates are as follows:

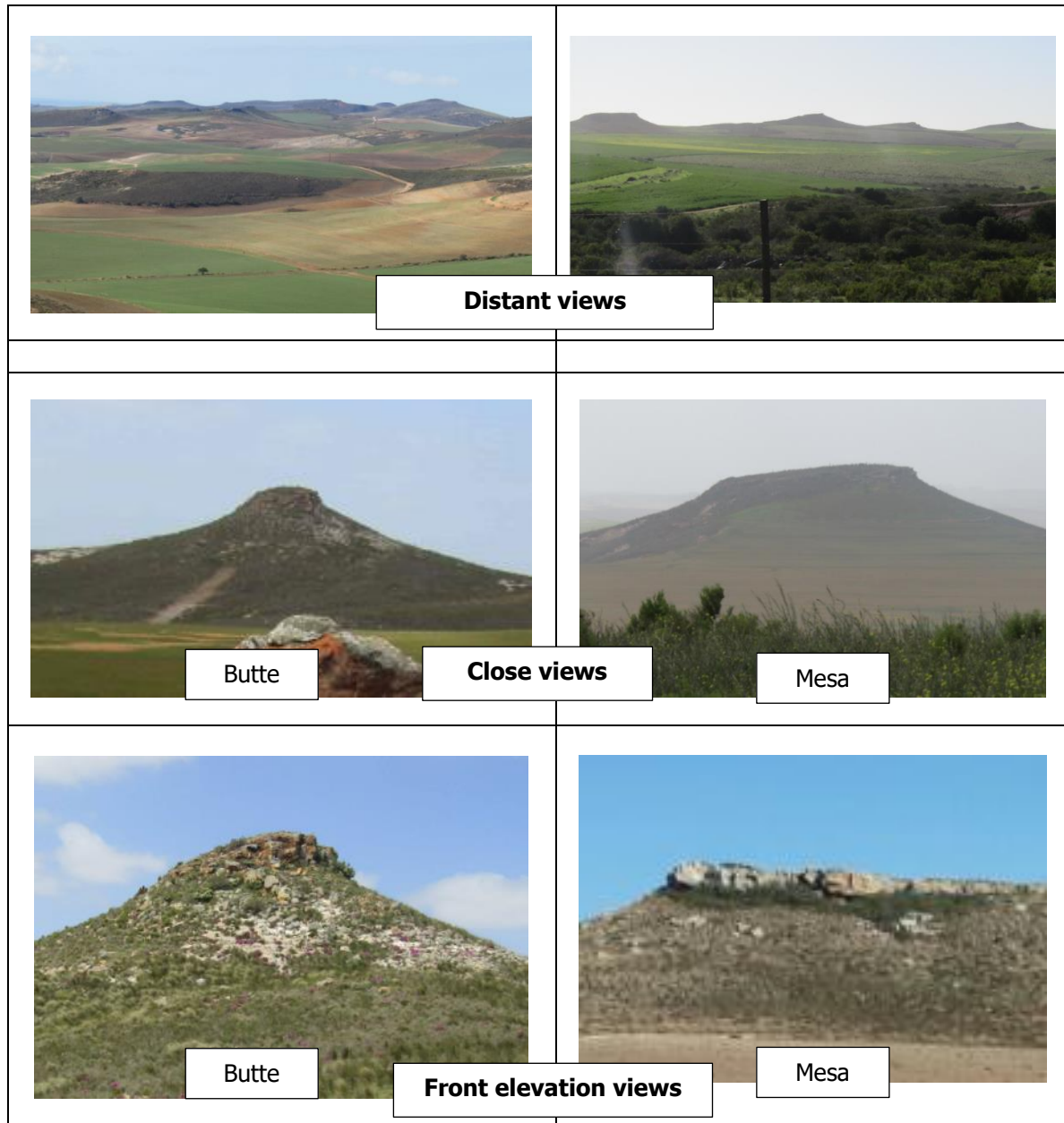
1. Silcretes and ferricretes identification by colour
2. Silcrete-capped hills identification by shape
3. Hilltop silcretes
4. Hillslope silcretes
5. Pedogenic silcrete habits (appearances)
6. Pedogenic silcrete textures
7. Non-pedogenic silcrete habits (appearances) - groundwater
8. Non-pedogenic silcrete habits (appearances) – drainage lines, ravines and rivers
9. Non-pedogenic silcrete habits (appearances) – lakes and pans
10. Pedogenic and non-pedogenic ferricrete habits
11. Identification of ferricrete hotspots
12. Ferruginised shales, sandstones and silcretes – appearances
13. Heavily ferruginised shales – appearances
14. Quartz and manganese veins and other minerals in ferruginised shales

1. Silcretes and ferricretes Identification by colour



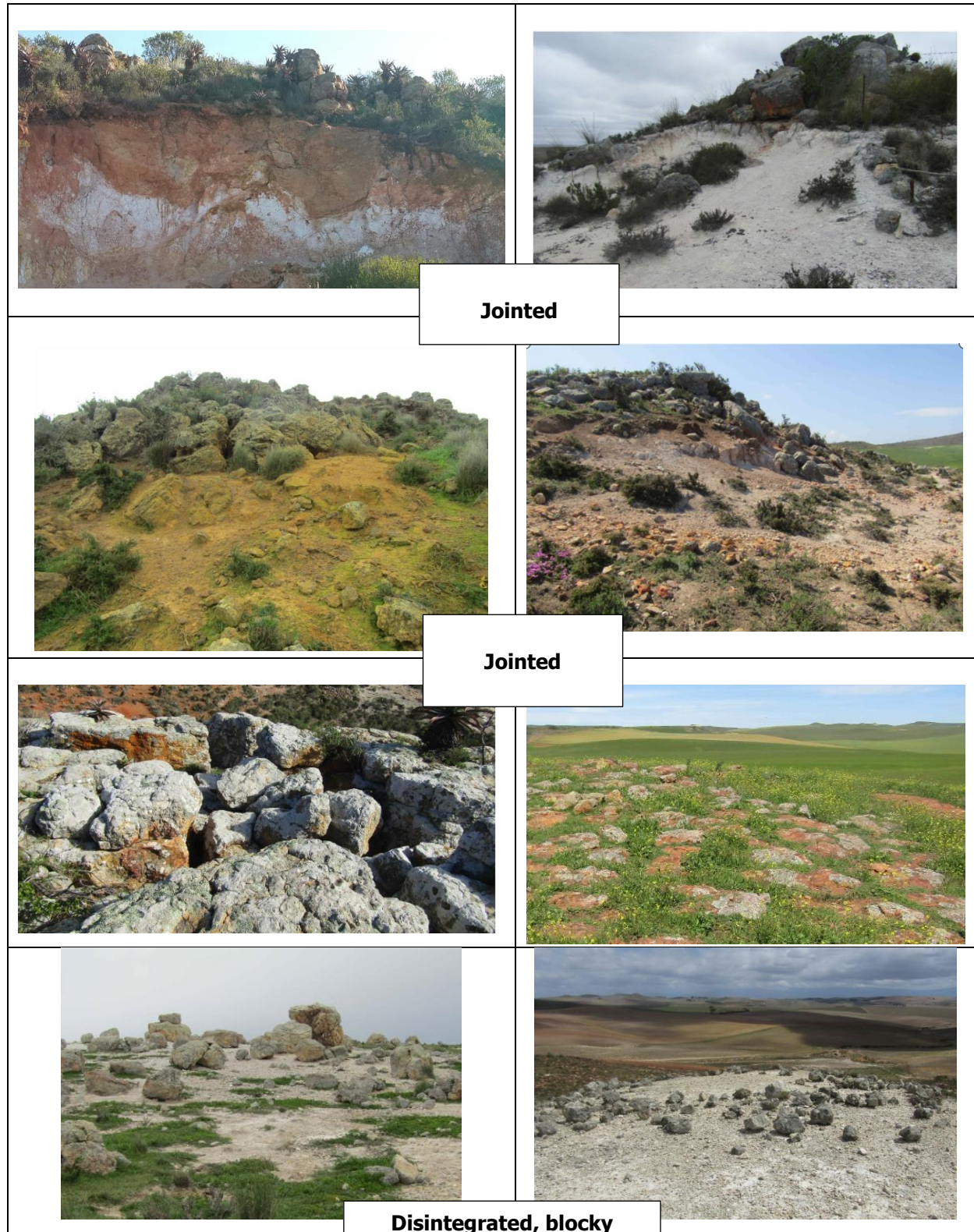
Identification of silcretes and ferruginised shales by the grey colour of the lichens.

2. Silcrete-capped hills identification by shape



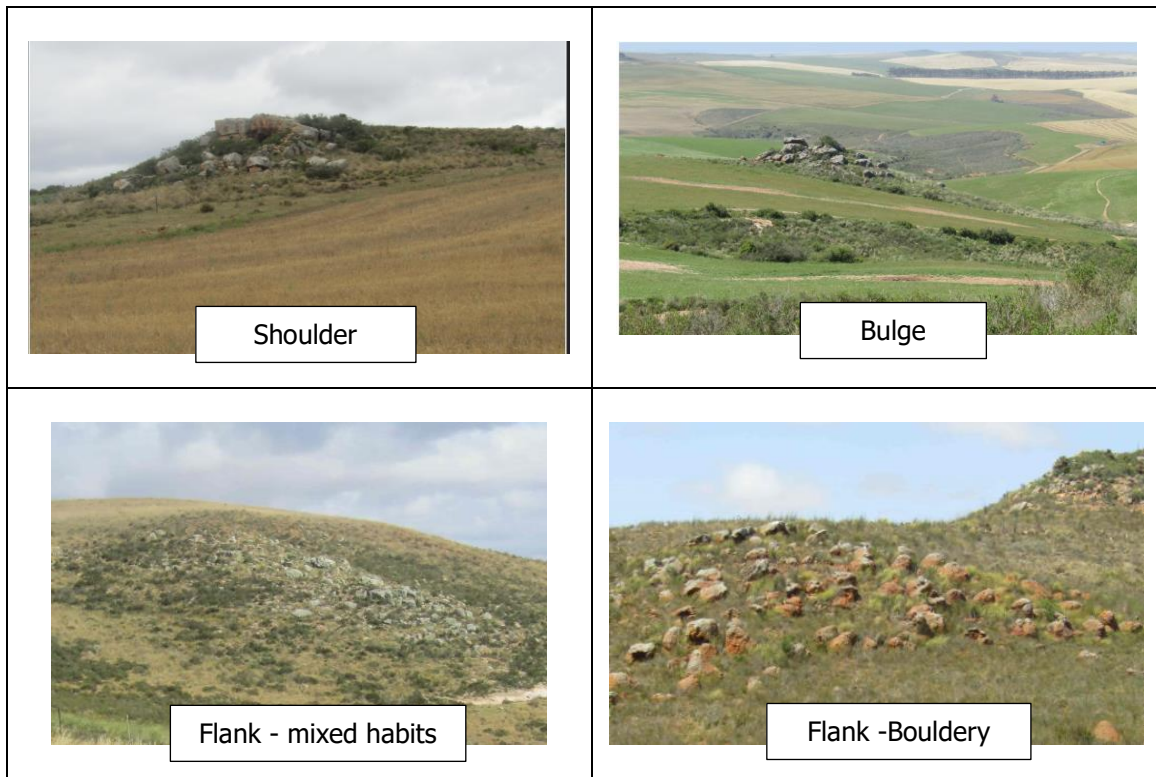
Identification of hilltop silcretes morphological features.

3. Hilltop silcretes



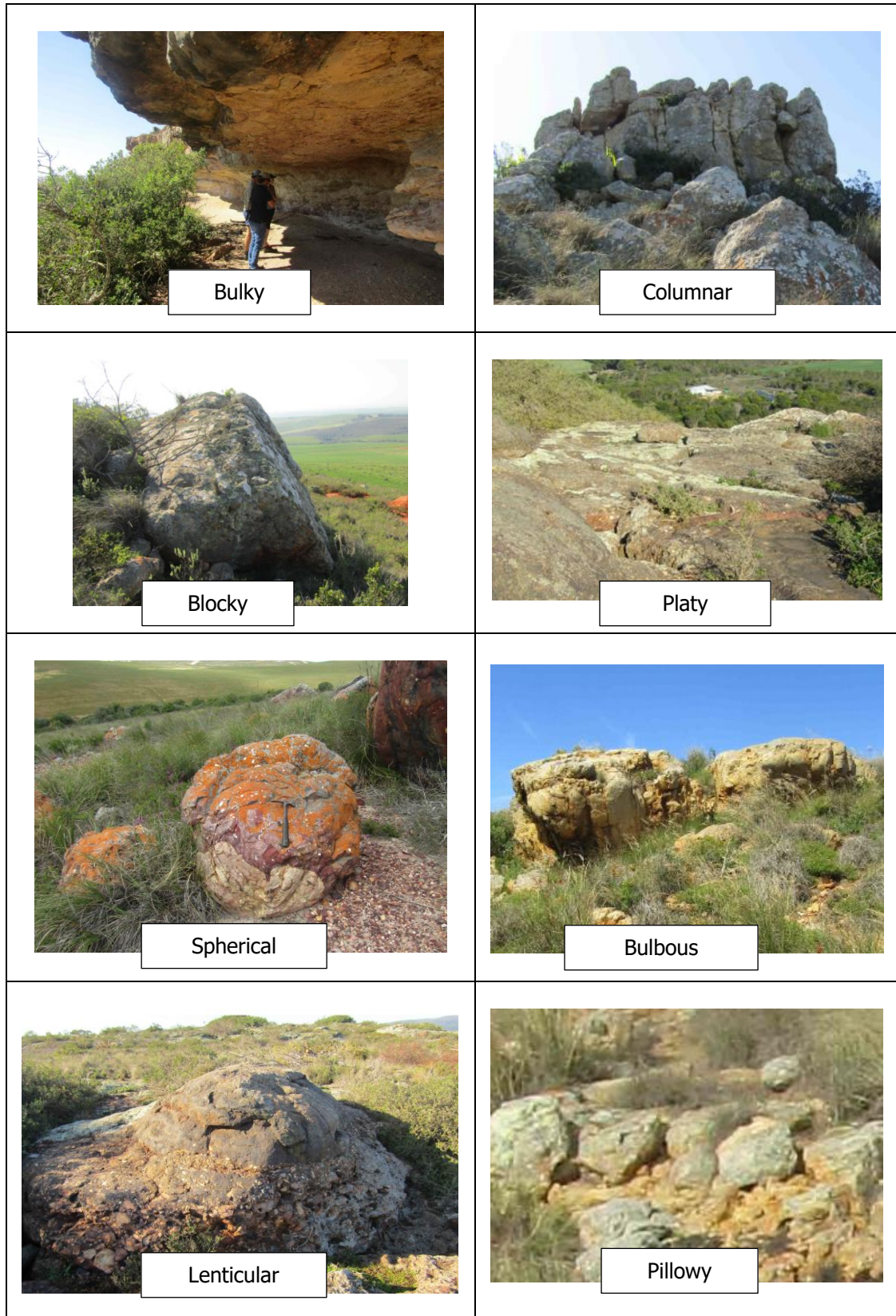
Hilltop silcrete morphology.

4. Hillslope silcretes



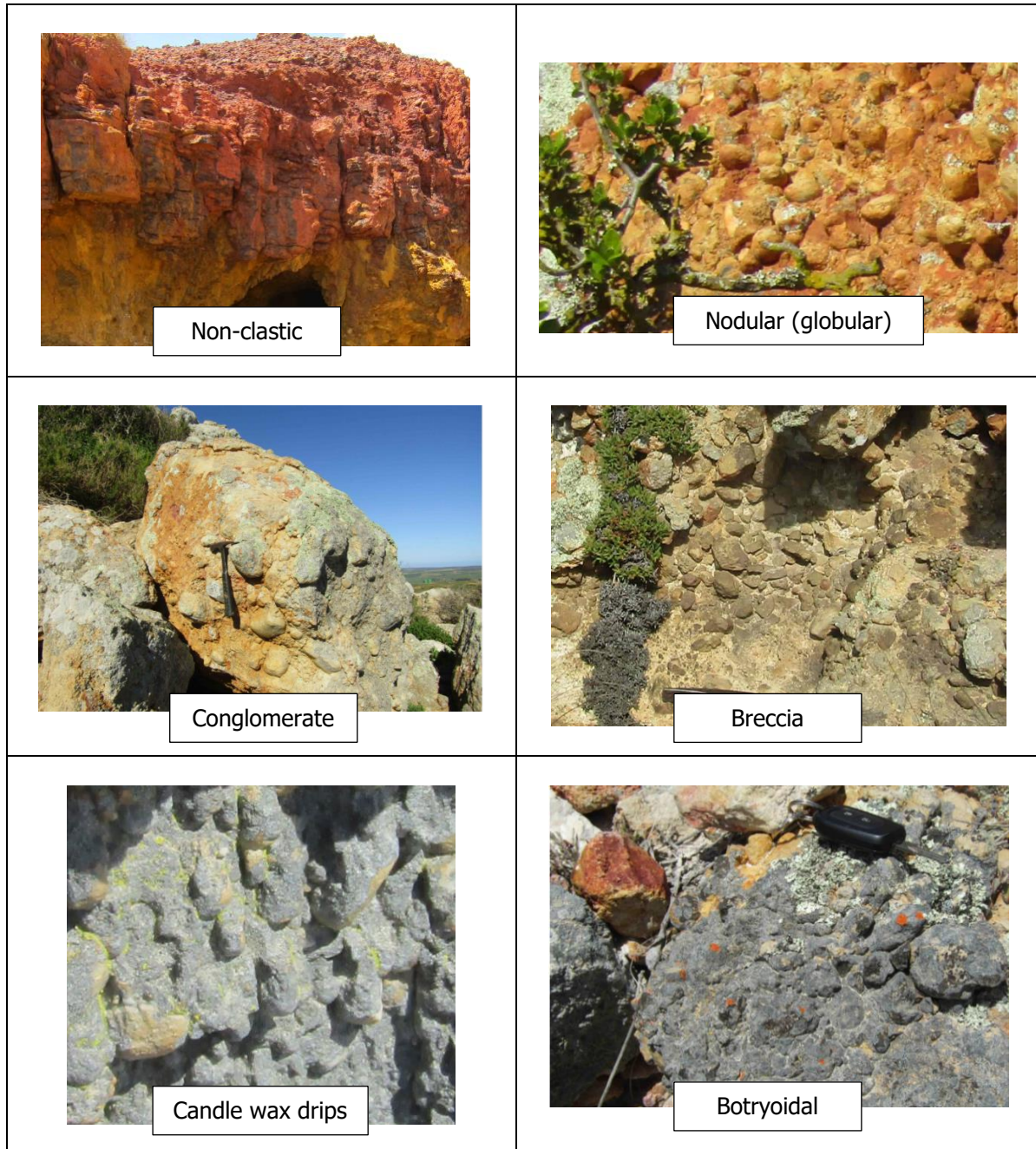
Appearances of hillslope silcretes.

5. Pedogenic silcrete habits (appearances)



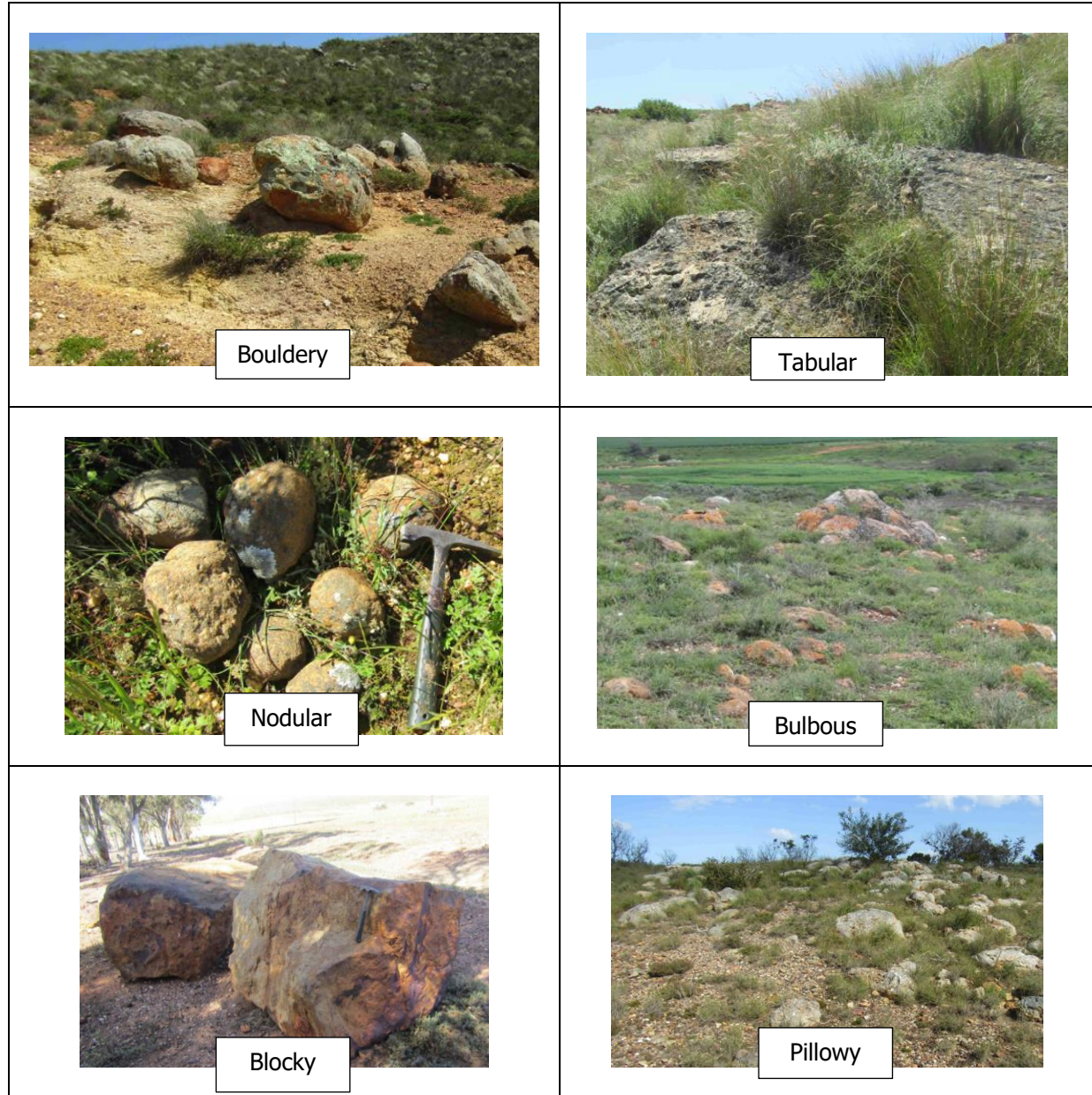
Common habits of pedogenic silcretes.

6. *Pedogenic silcrete textures*



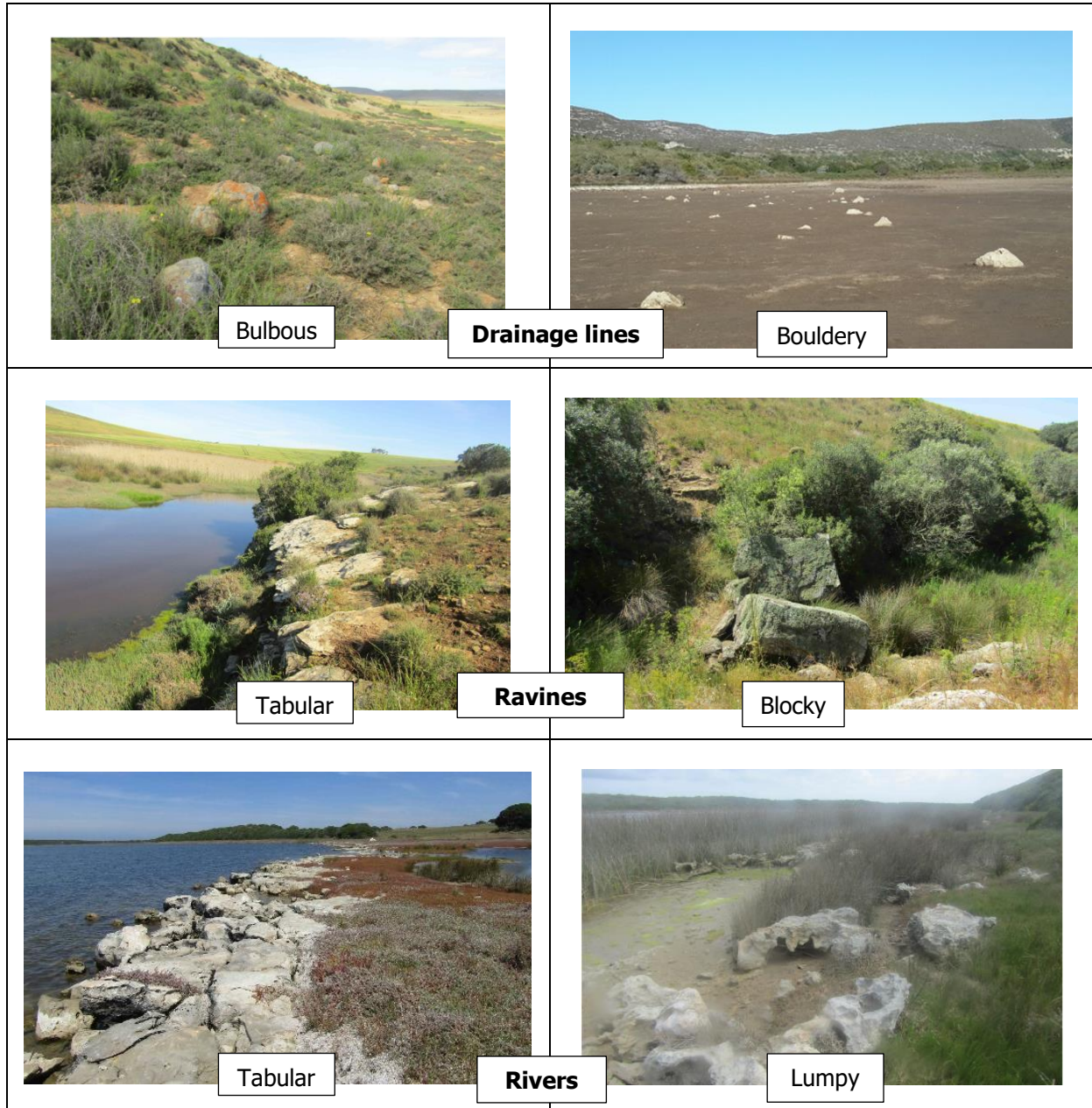
Common textures of pedogenic silcretes.

7. Non-pedogenic silcrete habits (appearances) - groundwater



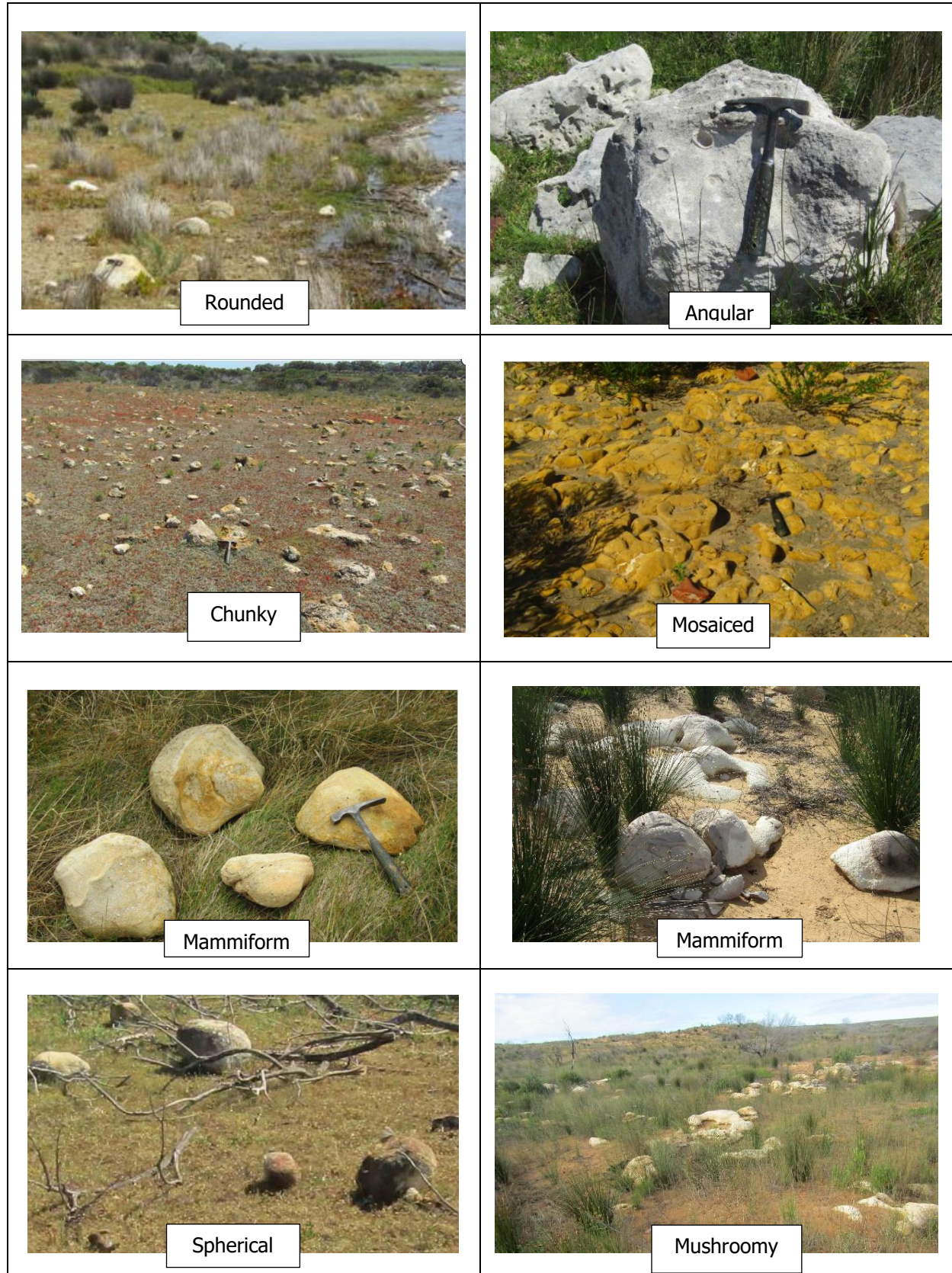
Non-pedogenic silcrete common habits - groundwater.

8. Non-pedogenic silcrete habits (appearances) – drainage lines, ravines and rivers



Non-pedogenic silcrete common habits – drainage line, ravines and rivers.

9. Non-pedogenic silcrete habits – lakes and pans

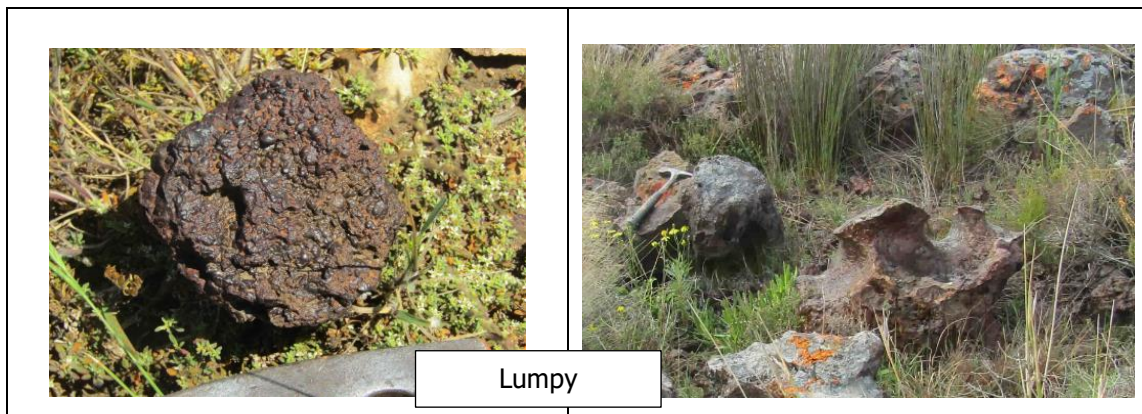


Non-pedogenic silcrete common habits – lakes and pans.

10. Pedogenic and non-pedogenic ferricrete habits

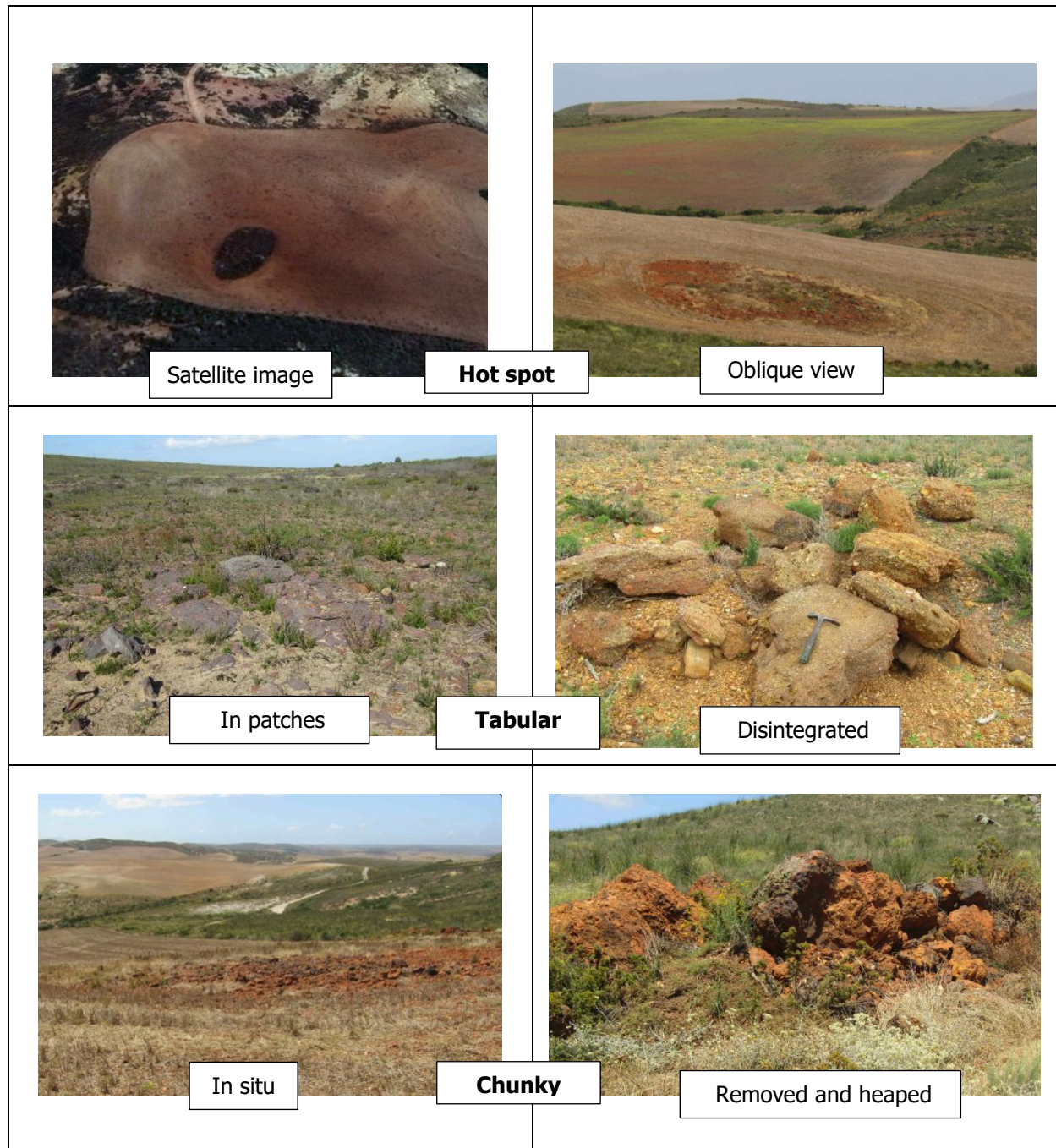


Pedogenic ferricrete common habits.



Non-pedogenic ferricrete common habits.

11. Identification of ferricrete hotspots



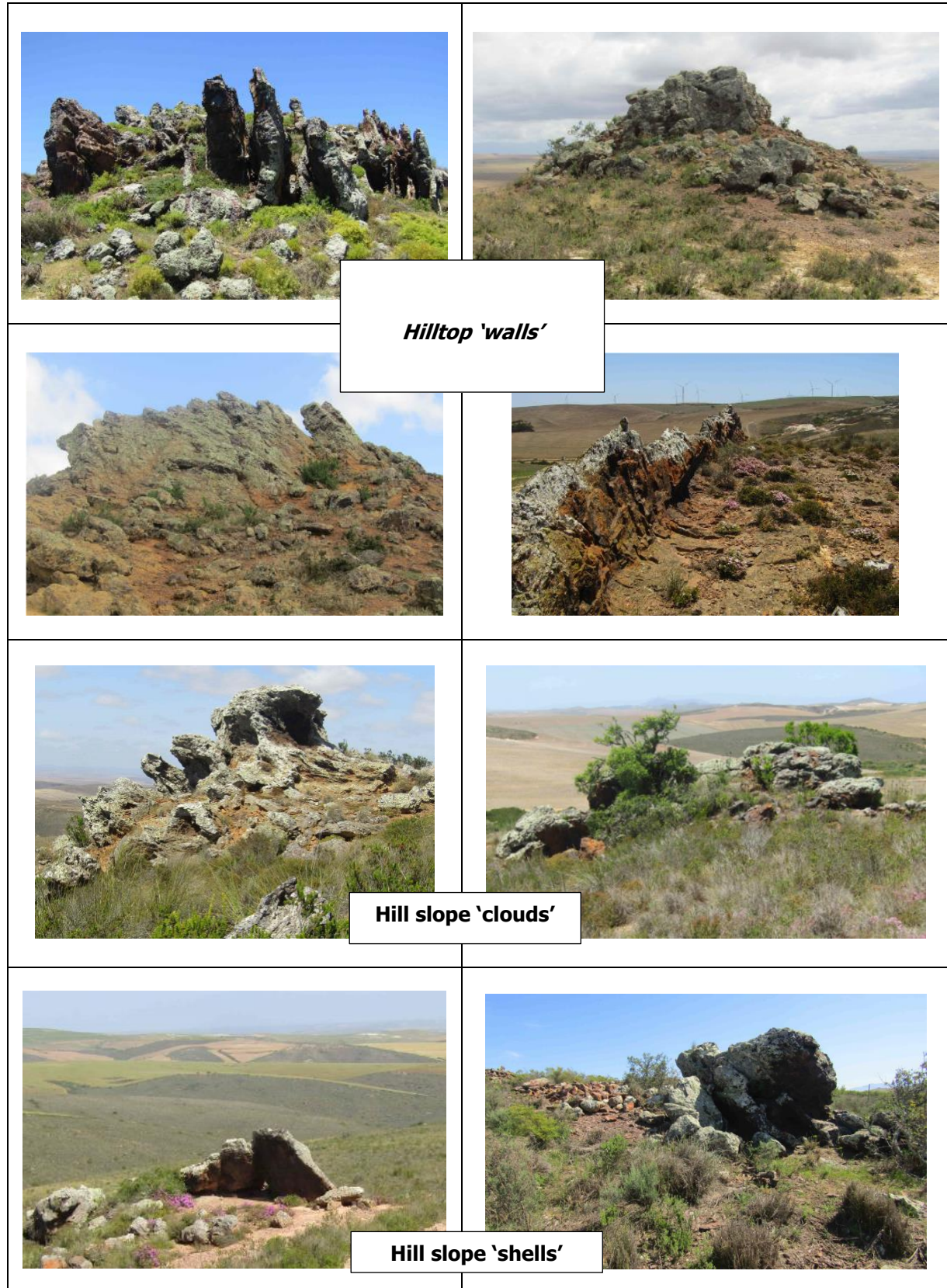
Identification of ferricrete hotspots.

12. Ferruginised shales, sandstones and silcretes – appearances



Feruginised shales, sandstones and silcretes.

13. Heavily ferruginated shales – appearances



Appearances of ferruginised hilltop and hillslope shales ('walls', 'clouds' and 'shells').

14. Quartz and manganese veins and other minerals in ferruginised shales



Quartz veins



Manganese veins



Other minerals



Quartz and manganese veins and other minerals in ferruginised shales.