

## Guide

This website will eventually contain over 300 field notes on a variety of features and natural processes in different locations within the Study Area. For ease of navigation in the site, the field notes have been installed in twenty-seven chapters. In every chapter the field notes were grouped in sections according to certain subjects (The site is been continuously populated, and field notes are added from time to time).

The first six chapters (A to F) are introductory. The order of the next twelve chapters (G to R) is, generally, from the west (Cape Agulhas) to the east (Cape Infanta). The next chapter (S) is about the area (Rûens) north of the Hard Dunes. The next three chapters (T to V) are about the coastal area and the adjacent sea. The next chapter (W) contains discussions on various subjects, followed by two chapters of appendices, which contain notes (some of which are archival) about the fauna and flora (X) and about other subjects (Y) of the Study Area. The last chapter (Z) contains bibliography lists and information sources.

When readers click the 'Table of Contents' button, only the names of the chapters are shown. The following is a breakdown of the chapters into sections and into individual field notes, which will help readers to find the subject they want to read about (only highlighted field notes can be accessed):

### A. INTRODUCTION

1. Geography
2. Geology
3. Morphology
4. Hydrology
5. Archaeology

### B. NATURE RESERVES

1. Overview
2. Public nature reserves
  - a. De Mond Nature Reserve
  - b. Soetendals Vlei Nature Reserve
  - c. Waenhuiskrans Nature Reserve
  - d. Heuninberg Nature Reserve
  - e. De Hoop Nature Reserve and Marine Protected Area
3. Private nature reserves
  - a. Andrewsfield Nature Reserve
  - b. Heunings River Nature Reserve
  - c. Ancient Milkwood Tree (National monument)
  - d. Vogel Rivier Nature Reserve
  - e. Haarwegskloof Renosterveld Reserve
  - f. Hasekraal Nature Reserve
  - g. San Sebastian Nature Reserve
4. Denel Overberg Test Range
5. Bredasdorp Shipwreck Museum

### C. GEOLOGY

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2. Table Mountain Group
  - a. Overview
  - b. Agulhas Outcrops
  - c. Bredasdorp Outcrops
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    2. Zandfontein Quarries
    3. Muurkraal Farm
  - d. Arniston Outcrops
    1. Meulvlei Ridge
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- e. Potberg Outcrops
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  3. Bokkeveld Group (see Chapter S)
  4. Quartz veins (see Chapter S)
  5. Clays (see Chapter S)
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    - a. Soutpansvlakte Basin
    - b. Salt River and De Hoop Vlei Gorges
    - c. Deposits
    - d. Subsurface geology
    - e. Clasts
  7. Gravel terraces
    - a. North of the Hard Dunes
    - b. Along the Breede River
    - c. Other gravel terraces
  8. Grahamstown Formation
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    - b. Hilltop silcretes
    - c. Hilltop silcretes spatial distribution
  9. Bredasdorp Group
    - a. Overview
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    - c. Wankoe Formation
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      1. Overview
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- D. DURICRUSTS
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  2. Calcretes - Overview
    - a. Calcrete on the Bokkeveld Formations
    - b. Calcrete on the Enon Formation
    - c. Calcrete on the Bredasdorp Group Formations
    - d. Calcrete on the Bredasdorp Plain
    - e. Calcrete in the Ou Werf Valley
    - f. Calcrete around roots
    - g. Calcrete as conglomerate cement
    - h. Calcrete dissolution features
    - i. Calcrete spatial distribution
  3. Silcretes and ferricretes – Overview
  4. Silcretes
    - a. Pedogenic silcretes – A. Hilltops
    - b. Pedogenic silcretes – B. Hill slopes
    - c. Hilltop silcretes spatial distribution
    - d. Use of silcretes in prehistoric time
    - e. Non pedogenic silcretes – A. Ground water
    - f. Non pedogenic silcretes – B. Drainage-lines and rivers
    - g. Non pedogenic silcretes – C. Lakes and pan
  5. Ferricretes
    - a. Pedogenic and non-pedogenic ferricretes



- b. Ferruginised silcretes
  - c. Ferruginised shales and sandstones
  - d. Heavily ferruginised shales - hilltops
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  - f. Fault zone ferruginised shales
  - g. Manganese in ferruginised shales
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6. Adjacent areas
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    - b. Napier silcretes and ferricretes
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  7. Pedocretes landscape field guides
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#### H. BREDASDORP PLAIN

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- K. WEST VALLEYS
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  - 7. Hooge Krans Valley
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- M. SALT RIVER GORGE
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  - 7. Archaeology
  
- N. DE HOOP VLEI GORGE
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  7. Karst landforms
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    - b. Guano Cave
  8. De Hoop Vlei
    - a. Hydrology – Water level -19<sup>th</sup> century
    - b. Hydrology - Water level – 1900 to 1960
    - c. Hydrology – Water level – 1960 - 2020
    - d. Fountains
    - e. Disappearing vlei
  9. Archaeology
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    - b. Ruins
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- O. EAST HARD DUNES
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- P. EAST VALLEYS
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- Q. POTBERG
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    - a. Buffelsfontein Valley
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- R. CAPE INFANTA
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- S. SHALE HILLS
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      2. Shale and sandstone formations
      3. Western sandstone lenses
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    3. The silcretes of Sonderkoskop
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    - c. 'Separating' Valley
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  2. Struis Bay to Arniston
    - a. Overview
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  6. Dune stabilisation
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- U. SHORES
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  2. Geology
  3. Agulhas to Struis Bay
  4. Struis Bay to Struis Point
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  6. Arniston
  7. Arniston Caves
  8. Arniston to De Hoop Nature Reserve
  9. De Hoop Nature Reserve sandy shores
  10. De Hoop Nature Reserve rocky shores
  11. Shore and beach features and processes
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    - a. Fish traps
      1. Overview
      2. Suiderstrand
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  8. Skipskop
  9. Breede River
- b. Stone Age caves

V. OFFSHORE

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2. Bathymetry
3. Sea-level changes
4. Currents, tides and upwelling
5. Archaeology - Shipwrecks

W. DISCUSSIONS

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Palaeo Agulhas Plain  
Offshore river channels  
Enon Formation  
Bredasdorp Group Formations

- a. De Hoop Vlei
- b. Wankoe
- c. Klein Brak
- d. Waenhuiskrans
- e. Strandveld

Kars River Gorge  
Salt River Gorge  
De Hoop Vlei Gorge  
Drainage of the De Hoop Vlei  
West Valleys  
Fossils in the Ou Werf Valley  
Karst landforms  
Dry valleys and red sand valleys  
Erosional African Surfaces  
Morpho-tectonic lineaments  
Hard Dune crest morphology

X. APPENDICES – FAUNA and FLORA

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1. Salt River Marsh vegetation
  2. Tree - rock associations
  3. Ancient milkwood trees
  4. Bushfires
- a. West of De Hoop Vlei
  - b. East of De Hoop Vlei

b. By others

1. Ramsar Convention (archival)
  2. De Hoop Nature Reserve (a) (archival)
  3. De Hoop Nature Reserve (b) (archival)
  4. Fynbos habitat of De Hoop Vlei (archival)
  5. Limestone fynbos (archival)
  6. Renosterveld vegetation
- a. Introduction
7. De Hoop bats (archival)
  8. Cape Horseshoe Bat (archival)
  9. Potberg vultures (archival, a)
  10. Potberg vultures (archival, b)



Y. APPENDICES – OTHER SUBJECTS

a. By the author

1. Salt River Marsh - Floods and droughts
2. Skipskop fishing community

b. By others

1. De Hoop Vlei – Floods and droughts
2. The People of De Hoop Nature Reserve
3. Catastrophic earthquakes 70,000 years ago

Z. BIBLIOGRAPHY (partial lists)

1. Geography
2. Morphology
3. Geology
4. Hydrology
5. Archaeology
6. Fauna and flora