

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

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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 Revier 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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 - a. Overview
 - b. Agulhas Outcrops
 - c. Bredasdorp Outcrops
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 2. Zandfontein Quarries
 3. Muurkraal Farm
 - d. Arniston Outcrops
 1. Meulvlei Ridge

2. Srtuis Point
 - e. Potberg Outcrops
 1. Potberg Mountain
 2. Cape Infanta
 3. Potberg Estates
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 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 (see Chapter S)
 9. Bredasdorp Group
 - a. Overview
 - b. De Hoop Formation
 - c. Wankoe Formation
 - d. Klein Brak Formation
 - e. Waenhuiskrans Formation
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 2.
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 - b. On the Enon Formation
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 - d. Around the Heuningnes River Estuary
 - e. On the Bredasdorp Plain
 - f. On the West Hard Dunes
 - g. In the Ou Werf Valley
 - h. Around the Salt River Marsh
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- E. KARST LANDFORMS
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- F. TECTONICS
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 - 2. Morpho-tectonic evidence
- G. CAPE AGULHAS AND STRUIS BAY
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 - 2. Morphology
 - 3. Geology
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- H. BREDASDORP PLAIN
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 - a. Rivers and lakes
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 - c. Flood control
- I. HEUNINGNES AND KARS RIVERS
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 - 3. Heuningnes River Estuary
 - 4. Kars River
 - 5. Kars River Gorge
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- K. WEST VALLEYS
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- d. Geology – Calcrete
- e. Geology – Fossils
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L. SALT AND POTBERG RIVERS

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- 2. Geology and tectonics
- 3. Morphology
 - a. Salt River
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- 2. Roads and causeways
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N. DE HOOP VLEI GORGE

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- 7. Karst landforms
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- 8. De Hoop Vlei
 - a. Hydrology – Water level -19th century
 - b. Hydrology - Water level – 1900 to 1960
 - c. Hydrology – Water level – 1960 - 2020
 - d. Fountains
 - e. Disappearing vlei
- 9. Archaeology
 - a. Dams
 - b. Ruins
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- O. EAST HARD DUNES
 - 1. Geography
 - 2. Morphology
 - 3. Geology
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- P. EAST VALLEYS
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- Q. POTBERG
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- R. CAPE INFANTA
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- S. SHALE HILLS
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 - 5. Ferruginised silcretes
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 - 8. Silcrete and ferricrete subsurface blocks
 - 9. Silcrete spatial distribution
 - 10. Ferricrete spatial distribution
 - 11. Use of silcretes in the Stone Age
 - e. Clay
 - 3. Morphology
 - a. African Surfaces
 - b. Post African Surfaces erosion
 - c. 'Separating' Valley
 - d. Drainage patterns
 - 4. Tectonics
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- b. Compression
- c. Faults

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- a. Sonderkoskop
- b. Grootkop and Hill 288
- c. Hill 254
- d. Verfheuwel

T. DUNE FIELDS

- 1. Overview
- 2. Struis Bay to Arniston
- 3. Overberg Test Range
- 4. De Hoop Nature Reserve
- 5. Dune geometry
- 6. Dune stabilisation
- 7. Buried ridges

U. SHORES

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- 2. Geology
- 3. Agulhas to Arniston
- 4. Heuningnes River Estuary
- 5. Otter Bay and Struis Point
- 6. Arniston caves
- 7. Arniston
- 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
- 12. Archaeology
 - a. Fish traps
 - 1. Overview
 - 2. Suiderstrand
 - 3. Rasperpunt
 - 4. Cape Agulhas
 - 5. Struis Bay
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 - 7. Ryspunt
 - 8. Skipskop
 - 9. Breede River
 - b. Stone Age caves

V. OFFSHORE

- 1. Geology
- 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

a. By the author

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