



An inventory of plant communities recorded in the western, southern and eastern Cape Province, South Africa up to the end of 1980

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A report of the Committee for Terrestrial Ecosystems
National Programme for Environmental Sciences

SOUTH AFRICAN NATIONAL SCIENTIFIC PROGRAMMES REPORT NO

57

SEPTEMBER 1982

Issued by
Cooperative Scientific Programmes
Council for Scientific and Industrial Research
P O Box 395
PRETORIA
0001

from whom copies of reports in this series are available on request

Printed in 1982 in the Republic of South Africa
by the Graphic Arts Division of the CSIR

ISBN 0 7988 2518 9

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PREFACE

The southern and south-western Cape is occupied by an exceptionally rich flora occurring as sclerophyllous shrublands and heathlands known locally as fynbos. The various fynbos ecosystems, their plants and animals, are of considerable scientific and aesthetic interest, while the mountain catchment areas of the Fynbos Biome are of particular economic importance both as sources of water and as recreational areas.

Much research has been conducted in the biome in the past and in order to coordinate current activities, to stimulate new research and to synthesize available scientific information within the region, the Fynbos Biome Project was initiated in 1977.

The project is one of several national scientific programmes within the National Programme for Environmental Sciences administered by the CSIR. The National Programme is a cooperative undertaking of scientists and scientific institutions in South Africa concerned with research related to environmental problems. It includes research designed to meet local needs as well as projects being undertaken in South Africa as contributions to the international programme of SCOPE (Scientific Committee on Problems of the Environment), the body set up in 1970 by ICSU (International Council of Scientific Unions) to act as a focus of international non-governmental scientific effort in the environmental field.

The first phase (1977 to 1980) of the Fynbos Biome Project has been centred on baseline studies, including the review and synthesis of current knowledge, and on broad surveys of climate, soils, vegetation, fauna and land use patterns. This document forms part of the review and synthesis operation and is representative of activities being carried out by study groups within the Fynbos Biome Project. It follows and augments the recently produced bibliography of fynbos ecology references, in that it includes a great deal of unpublished material omitted in the fynbos bibliography.

ACKNOWLEDGEMENT

Financial support for A McDonald during the early stages of compilation of this document was provided by CSP, CSIR.

ABSTRACT

A comprehensive list of plant communities described by various authors within the Fynbos Biome geographic area is given. The list is divided into two sections. Section I consists of plant communities described over a wide geographical area. Section II consists of plant communities described over a restricted geographical area. These areas are identified on an index map.

SAMEVATTING

'n Omvattende lys van plantgemeenskappe wat binne die Fynbosbiom se geografiese gebied deur verskeie outeurs beskryf is, word aangegee. Die lys is in twee dele verdeel. Afdeling I dui plantgemeenskappe wat oor 'n wye geografiese area beskryf is, aan. Afdeling II gee die plantgemeenskappe aan wat beskryf is vir 'n beperkte geografiese area. Hierdie areas is op 'n indekskaart geïdentifiseer.

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Introduction

This document consists of a reasonably comprehensive list of published and unpublished references to plant communities described in the western, southern and eastern Cape up to the end of 1980. Plant communities have been cited as they appeared in the original texts. This means that there is no uniformity in the use of upper and lower case. The document has been subdivided into two sections. The first section contains references to wide geographical areas which are excluded from the map (Figure 1). The location of references in the second section have all been indicated on the map.

Unpublished reports have been included in this inventory because information stored away in files is often either unknown or inaccessible to the general scientific community. Copies of unpublished reports can be obtained from the secretariat of the Fynbos Biome Project, which is stationed at the University of Cape Town. Alternatively, copies may be examined at the Jonkershoek Forest Research Station and at the Botanical Research Unit at Stellenbosch.

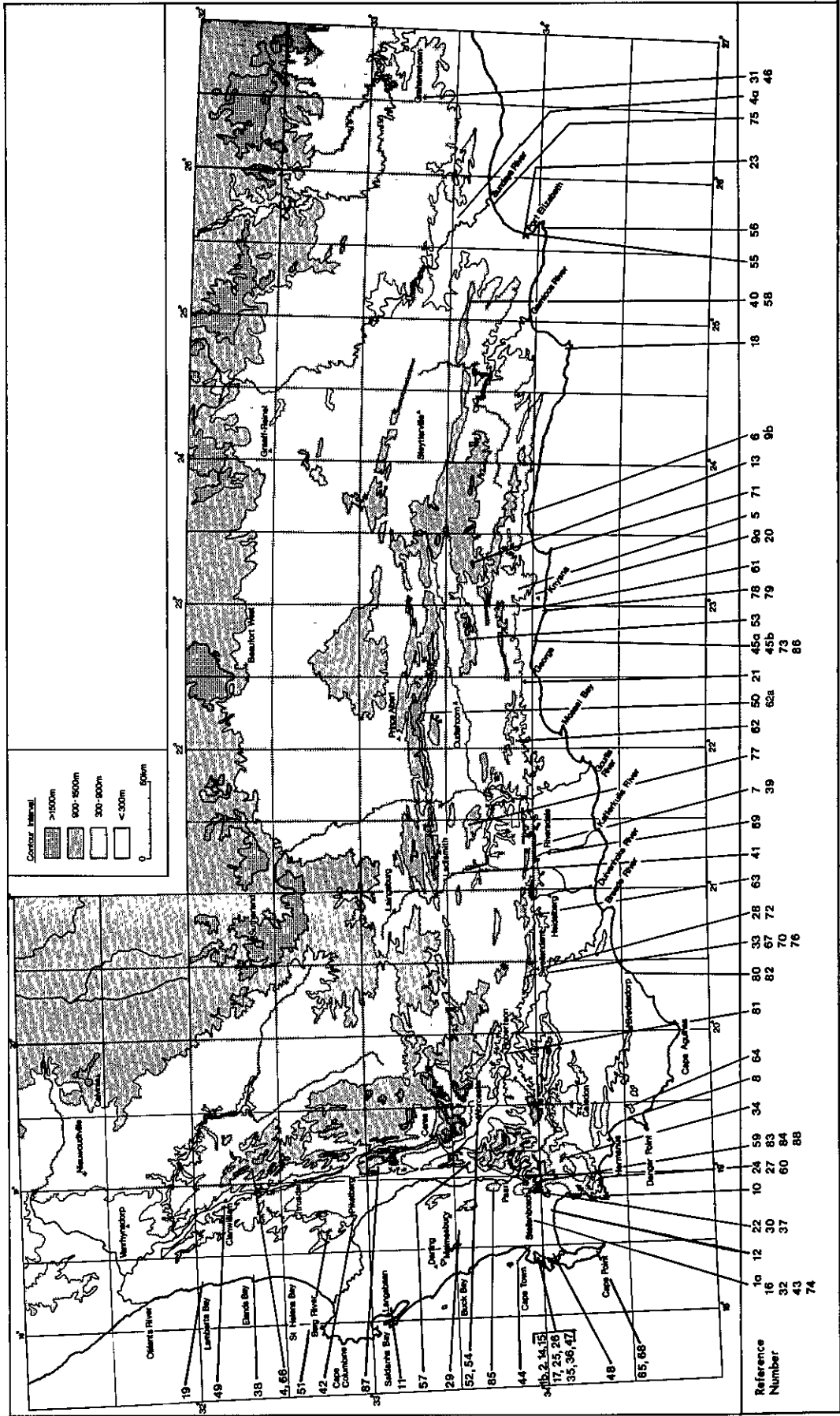
Authors are encouraged to submit both published and unpublished reports to the senior author of this publication, or to the Fynbos Biome Project secretariat for inclusion in succeeding volumes which should appear at approximately five yearly intervals.

ERRATA

1. Two references to community descriptions have been omitted from the map (Figure 1). They are:

3a - Robben Island; north of Cape Town
3b - to be included in the column with nos 22, 30 and 37
2. Plant community description no 70 should be deleted from the column with nos 33, 67 and 76.

FIGURE 1
 PLANT COMMUNITY STUDY AREAS IN THE WESTERN, SOUTHERN AND EASTERN CAPE



SECTION I

Plant communities described over a wide geographical area which are NOT identified on the map (Figure 1).

1. Adamson R S 1929. Vegetation of the south-western region. In: The botanical features of the south-west Cape Province. Speciality Press, Cape Town and Wynberg. pp 15-32.

1. BUSH

- 1.1 Communities of Lower Levels
- 2.2 Communities of Higher Altitudes

3. FORESTS

4. MARSHES AND VLEIS

- 1a. Adamson R S 1938. The vegetation of South Africa. British Empire Vegetation Committee, London. 235 pp.

1. Sclerophyll Bush
2. Wet Sclerophyll Bush
3. Mountain Bush
4. Dry Sclerophyll Bush
5. Rhenosterveld

2. Comins D M 1962. The vegetation of the districts of East London and King William's Town, Cape Province. Memoirs of the Botanical Survey of South Africa 33, 1-32. Map, photographs.

1. THE PRISERES AND THE SUBSERE

- 1.1 The Xerosere
- 1.2 The Lithosere
- 1.3 The Psammosere
- 1.4 The Halosere
- 1.5 The Hydrosere

- (a) The Stage of Submerged and Floating Aquatics
- (b) The Sedge Meadow Stage
- (c) The Phragmites-Cyperus Stage
- (d) The Stage of Woody Herbs and Shrubs

- 1.6 The Subsere

2. GRASSLAND

3. WOODLAND

- 3.1 Acacia Woodland
- 3.2 Scrub
- 3.3 Gully Bush and Riverine Bush
- 3.4 Coast Dune Bush
- 3.5 Forest

- (a) Dry Forest
- (b) Cut-over Forest
- (c) Moist Forest

4. Protea veld

3. Cowling R M and McKenzie B 1979. The conservation status of the Keiskamma River Mouth Region. The Eastern Cape Naturalist 66, 28-30. Map, photographs.

1. ESTUARINE VEGETATION

- 1.1 Spartinetum
1.2 Arthrocnemetum

2. TERRESTRIAL VEGETATION

2.1 Dune Forest

- (a) Acacia cyclops thicket
(b) Derived Stenotaphrum grassland

2.2 Alluvium forest

- (a) Degraded alluvium forest

2.3 Euphorbia thicket

2.4 Thornveld

- (a) Derived thornveld grassland

2.5 Vlei vegetation

4. Dyer R A 1937. The vegetation of the divisions of Albany and Bathurst. Memoirs of the Botanical Survey of South Africa 17, 1-138. Photographs.

1. LAGOON VEGETATION
2. VLEI, MARSH AND STREAM VEGETATION
3. STRAND VEGETATION
4. LITHOSERE
5. PSAMMOPHILOUS MACCHIA AND LITTORAL SCRUB
6. FYNBOS
7. SCRUB, INLAND SCRUB, BUSH AND LOW SCRUB
8. KARROID SCRUB
9. KARROO VELD
10. GRASSVELD

5. Jacot-Guillarmod A 1974. Vegetation of the Grahamstown area. In: J B McI Daniel (ed). Grahamstown and its environs. Institute of Social and Economic Research. Rhodes University, Grahamstown, 16-19. Map.

1. Temperate forest
2. Coastal and riverine tall sub-succulent woodland
3. Fish River tall sub-succulent woodland
4. Fish River low succulent scrub
5. Bush clump savannah
6. Dry savannah

7. Sweetveld grassland
 8. Sourveld grassveld
 9. Heath/grassland
6. Jordaan P G 1946. Plantegroei van die distrikte Bredasdorp en Caledon. Tydskrif vir Wetenskap en Kuns, Nuwe Reeks 6 (3), 47-58.
1. Die Bergstreek
 2. Die Groenland
 3. Die Strandveld
 4. Die Rûens
 5. Die Oewerstreek
7. Joubert J G V 1968. Die ekologie van die weiveld van die Robertson-Karoo. PhD (Agric) Thesis, University of Stellenbosch, Stellenbosch. Map.
1. Euphorbia mauretanica -gemeenskap
 2. Pteronia paniculata-gemeenskap
 3. Pteronia incana-gemeenskap
 4. Salsola glabrescens - Acacia karoo-gemeenskap
 5. Elytropappus rhinocerotis-gemeenskap
 6. Euclea undulata-gemeenskap
 7. Crassula rupestris-gemeenskap
 8. Elytropappus - Willdenowia-gemeenskap
8. Joubert J G V 1969. The nutritive value of natural pastures in the district of Calitzdorp, George, Knysna, Mossel Bay, Oudtshoorn and Uniondale in the Winter Rainfall Area of the Republic of South Africa. Technical Communication No. 82. Department of Agricultural Technical Services, 1-11.
1. Succulent Mountain Scrub
 2. Mountain Rhenosterbosveld
 3. Coastal Rhenosterbosveld
 4. Knysna Forest
 5. Valley Bushveld (Gouritz River Scrub)
 6. Coastal Dunes
 7. Succulent Karoo
 8. Coastal Macchia
 9. False Macchia
 10. Karoid Broken Veld
9. Joubert J G V 1970. Die Robertson-Karoo as Weistreek. Proceedings of the Grassland Society of southern Africa 5, 62-68.
1. Euphorbia mauritanica-gemeenskap
 2. Pteronia paniculata-gemeenskap
 3. Pteronia incana-gemeenskap
 4. Salsola glabrescens - Acacia karoo-gemeenskap
 5. Elytropappus rhinocerotis-gemeenskap
 6. Euclea undulata-gemeenskap

7. Crassula rupestris-gemeenskap
 8. Elytropappus - Willdenowia-gemeenskap
10. Joubert J G V and Stindt H W 1979. The nutritive value and general evaluation of natural pastures in the districts of Montagu, Robertson and Worcester in the Winter Rainfall Area of the Republic of South Africa. Technical Communication No. 155, Department of Agricultural Technical Services, 1-10.
1. Euphorbia mauritanica community
 2. Pteronia paniculata community
 3. Pteronia incana community
 4. Salsola glabrescens - Acacia karroo community
 5. Elytropappus rhinocerotis community
 6. Euclea undulata community
 7. Crassula rupestris community
 8. Elytropappus - Willdenowia community
12. Joubert J G V and Stindt H W 1979. The nutritive value of natural pastures in the district of Swellendam in the Winter Rainfall Area of the Republic of South Africa. Technical Communications No. 156, Department of Agricultural Technical Services, 1-10.
1. Coastal Rhenosterbosveld
 2. Mountain Rhenosterbosveld
 3. Coastal Macchia
 4. False Macchia
 5. Coastal Dunes
 6. Karroid Broken Veld
13. Kruger F J 1977. A preliminary account of aerial plant biomass in fynbos communities of the mediterranean-type climate zone of the Cape Province. Bothalia 12, 301-307. Photographs, tables.
1. Mesophyllous evergreen broad sclerophyll scrub
 2. Mesophyllous open evergreen broad-sclerophyll scrub; Cannomois virgata - Hypodiscus albo-aristatus Community
 3. Evergreen broad-sclerophyll swamp scrub; Elegia thysifera - Osmitopsis asteriscoides Community
 4. Mesophyllous open evergreen broad-sclerophyll scrub; Montinia caryophyllacea - Helichrysum tomentosulum Community
 5. Microphyllous evergreen dwarf scrub (heath); Willdenowia sulcata - Protea cynaroides Community
 6. Open microphyllous evergreen scrub (heath); Willdenowia sulcata - Klattia partita Community
 7. Mesophyllous evergreen broad-sclerophyll scrub and heath; Tetraria bromoides - Erica plukeneti and Willdenowia sulcata - Protea cynaroides Communities
 8. Mesophyllous evergreen broad-sclerophyll scrub; Tetraria bromoides - Erica plukeneti Community
 9. Microphyllous evergreen dwarf scrub (heath); Tetraria thermalis - Hypodiscus aristatus Communities

14. Kruger F J 1979. Plant ecology. In: Day J, Siegfried W R, Louw G N and Jarman M L (eds). Fynbos ecology: a preliminary synthesis. South African National Scientific Progress Report No 48, Cooperative Scientific Programmes, CSIR. 88-126. Photographs.
1. MOUNTAIN FYNBOS
 2. ARID FYNBOS
 3. COASTAL FYNBOS
 - 3.1 Coastal Fynbos on limestones
 - 3.2 Fynbos of coastal sands
 4. COASTAL RENOSTERVELD
 5. STRANDVELD
15. Kruger F J 1979. South African heathlands. In: Specht R L (ed). Heathlands and related shrublands of the world. A. Descriptive studies. Elsevier, Amsterdam, 19-80. Photographs, table.
1. Mountain fynbos
 - 1.1 Drier slopes and foothills
 - (a) Broad-sclerophyllous scrub or open-scrub
 - (b) Tall broad-sclerophyllous shrubland or open-shrubland with heathland
 - (c) Low ericoid open-heath or open graminoid-heath
 - 1.2 Cool moist mountain slopes
 - (a) Mixed sclerophyllous scrub
 - (b) Broad-sclerophyllous scrub
 - 1.3 Upper mountain slopes and crests
 - (a) Tall narrow-sclerophyllous heathland
 - (b) Low narrow-sclerophyllous heathland and graminoid-heathland
 - (c) Herbland
 - 1.4 Plateaux and depressions
 - 1.5 Phreatic sites
 - (a) Broad-sclerophyllous closed-scrub
 - (b) Narrow-sclerophyllous and mixed closed-scrub and open-scrub
 - (c) Restiad herblands
 - 1.6 Eastern mountains and hills
 2. Arid fynbos
 3. Coastal fynbos

- 3.1 Coastal fynbos on limestones
- 3.2 Fynbos of coastal sands

16. Marloth R 1908. Das Kapland, insonderheit das Reich der Kapflora, das Waldgebiet und die Karroo. Gustav Fisher Verlag, Jena, 1-435.

(Literal translation)

- A. The Kingdom of the Cape Flora
 - 1. Lowlands and coastal regions
 - 1.1 Strand formations
 - (a) Salt and strand flats
 - (b) Beach dunes
 - (c) Inland dunes (dune fields)
 - 1.2 Estuaries, rivers, vleis, pans, marshes
 - (a) Brak water pools
 - (b) Limnaea formation
 - (c) Reed beds
 - (d) Zantedeschia marsh
 - (e) Palmiet formation
 - (f) Robben Island - impoverished mainland flora
 - 1.3 Sandy flats - dwarf shrub and restionaceous heath
 - 2. The hills and foothills
 - 2.1 Rhenosterbos
 - 2.2 Macchia of Table Mountain
 - (a) The main components
 - (b) Slopes
 - (c) Shrubs of the banks of the rivers
 - 2.3 The heaths of the hills
 - 2.4 Macchia of other areas
 - (a) Paarl Mountain
 - (b) Tulbagh
 - (c) Olifants River Valley
 - 2.5 Coastal Macchia
 - 2.6 Eastern Macchia
 - 3. The Mountain Region
 - 3.1 Influence of the south-eastern clouds
 - 3.2 The rocky heaths of Table Mountain

- (a) The rocky precipices and rocky sheets
 - (b) Karroid mountain heaths
- 3.3 The mountain heaths
 - 3.4 The marshes and river banks of Table Mountain
 - 3.5 Southern part of Cape Peninsula
 - 3.6 Hottentots Holland Mountains
 - 3.7 Tulbagh Mountains
 - 3.8 Cedarberg Mountains
 - 3.9 Bokkeveld and Gifberg
 - 3.10 Cold Bokkeveld
- 4. The high mountain ridges and peaks
 - 5. Isolated areas of the Cape Flora
 - 5.1 Swartberge
 - 5.2 Witteberge
- 6. Area of hard-leaved scrub
- B. Forests of the South Coast
 - 1. The Knysna Forests
 - 2. The forest patches of Swellendam
 - 3. The ravine forests of Table Mountain
 - 4. The original extent of the forest stands
 - 5. The forest stands of the Eastern Cape Colony
 - 6. The Knysna Forests of A F W Schimper
- C. The Central Area
 - 1. The Great Karroo
 - 1.1 The Gouph
 - 1.2 The Moordenaars and Bastardkaroo
 - 1.3 The Eastern Karoo
 - (a) The plains
 - (b) The hills
 - (c) The outliers of the south-western flora
 - (d) The upper mountainous regions
 - 2. The Little Karoo
 - 2.1 The central region
 - (a) The formation of the tall Crassulaceae
 - (b) The ghwarrie formation
 - (c) The karoo of the plains
 - (d) The waterways
 - 2.2 The eastern region
 - 2.3 The Touws River area
 - 2.4 The Robertson Karoo

3. The Western Karoo
 - 3.1 The Bokkeveld Karoo
 - 3.2 The Roggeveld and Tanqua Karoo
 4. The Karoo of A F W Schimper

Subprovince:
The Karroid Highlands

 - 4.1 The Nieweveld
 - 4.2 The Roggeveld

Subprovince
Little Namaqualand
17. Martin A R H and Noel A R A 1960. The flora of Albany and Bathurst. Rhodes University, Grahamstown, 1-125.
1. TEMPERATE EVERGREEN FOREST FORMATION
 - 1.1 Temperate Rainforest Sub-Formation
 - (a) Temperate rainforest transition scrub
 - 1.2 Warm Temperate Forest Sub-Formation
 - (a) Warm temperate forest scrub
 - (b) Coastal woodland
 - (c) Coastal river-fringing scrub
 2. SUCCULENT WOODLAND FORMATION
 - 2.1 Sub-succulent Woodland, Sub-Formation
 - (a) Moist (or coastal) facies
 - (b) Sub-succulent woodland, dry (or inland facies)
 - 2.2 Low succulent Scrub Sub-Formation
 3. DWARF SHRUB STEPPE FORMATION
 4. SAVANNAH FORMATION
 - 4.1 Temperate Savannah Sub-Formation
 - (a) Acacia grassland type
 - (b) Bush clump savannah type
 - (c) Dry temperate savannah type
 - (d) Inland river-fringing vegetation
 5. TEMPERATE GRASSLAND FORMATION
 - 5.1 Hygrophytic tussock grassland
 - 5.2 Tall tussock grassland
 - 5.3 Low tussock grassland
 - 5.4 Dry tall tussock grassland
 - 5.5 Dry low tussock grassland

6. NANOPHANEROPHYTE SHRUB HEATH FORMATION
 - 6.1 Erica demissa-mixed heath alliance
 - (a) Tall heath
 - (b) Grass heath (moist facies)
 - (c) Grass-heath (dry facies)
 - 6.2 Witteberg, north-slope facies
 - 6.3 Coastal or maritime heath
 7. SERAL STAGES
 - 7.1 Coastal saltmarsh
 - 7.2 Marsh and stream vegetation
 - 7.3 Lithophytic chomophytic and chasmophytic communities
18. McKenzie B 1978. A quantitative and qualitative study of the indigenous forests of the south-western Cape. Unpublished MSc Thesis, Department of Botany, University of Cape Town 1-151. Photographs.
1. Cunonia capensis - Platylophus trifoliatus sub-association
 - 1.1 Sparmannia africanum - Cunonia capensis - Platylophus trifoliatus variation
 - 1.2 Cunonia capensis - Todea barbara variation
 - 1.3 Rapanea melanophloeos - Platylophus trifoliatus variation
 2. Carissa bispinosa - Canthium ventosum - Canthium mundianum - Pterocelastrus tricuspidatus sub-association
 - 2.1 Gonioma kamassi - Nuxia floribunda variation
 - 2.2 Buddleia saligna - Scolopia mundii variation
 - 2.3 Rothmannia capensis - Olinia ventosa - Canthium ventosum - Canthium mundianum variation
 - 2.4 Cassine peragua - Linociera foveolata - Grewia occidentalis variation
 - 2.5 Cassinopsis ilciflora - Olea capensis subsp. capensis - Carissa bispinosa variation
 3. Maytenus acuminata - Olea capensis subsp. macrocarpa sub-association
19. Muir J 1929. The vegetation of the Riversdale area. Memoirs of the Botanical Survey of South Africa 13, 1-82.
1. VEGETATION OF THE STRANDVELD
 - 1.1 At the Sea-coast
 - 1.2 The inland region of the Strandveld
 - 1.3 The river valleys in the Strandveld

2. VEGETATION OF THE RENOSTERVELD

- 2.1 The Renosterveld Area proper
- 2.2 Aloe Scrub
- 2.3 Vegetation of some Special Areas
- 2.4 Ericaceae, Proteaceae, and Restionaceae in the Renosterveld
- 2.5 The River Valleys
- 2.6 Plant Migration in the Gouritz River System

3. VEGETATION OF THE LANGEBERGEN

- 3.1 The Succession on Bare Rock Surfaces and Cliffs
- 3.2 Sclerophyllous Vegetation of the Langebergen
- 3.3 The Langebergen Forest and Stream Vegetation
- 3.4 The Aasvogelberg and Ridges

4. VEGETATION OF THE KLEIN KAROO

- 4.1 Plains
- 4.2 Hills
- 4.3 River banks and watercourses

5. FRESH WATER AQUATIC AND MARSH VEGETATION

20. Phillips J F V 1931. Forest-succession and ecology in the Knysna region. Memoirs of the Botanical Survey of South Africa 14, 1-327. Map, photographs.

1. HYDROSERE

- 1.1 The Stage of Submerged and Partially Submerged Hydrophytes
- 1.2 The Stage of Floating Aquatics
- 1.3 (a) The Typha capensis Consocieties
(b) Phragmites communis Consocieties
(c) Phragmites - Typha Associates
(d) Phragmites - Typha-Cyperaceae Stage
- 1.4 The Stage of Semi-Aquatics
- 1.5 The Stage of Tall Cyperaceae
- 1.6 The Prionium palmita or "Palmiet" Stage
- 1.7 Hygrophilous Macchia
- 1.8 Salix capensis - Empleurum serrulatum Associates
- 1.9 Strelitzia augusta Consocieties

2. HALOSERE

- 2.1 Zostera marina var. angustifolia Consocieties
- 2.2 Salicornia natalensis
- 2.3 Chenolea diffusa

3. PSAMMOSERE

3.1 Pioneers on periodically-tide-washed beach

3.2 Vegetation of the Upper Beach and Sand Dunes

3.3 Very mixed communities consisting of most of the species already described as occurring on the upper beach and dunes

3.4 Psammophilous Macchia

4. LITHOSERE

4.1 Cyanophyceae

4.2 Lichens

4.3 Bryophyta

4.4 (a) Drosera, Utricularia and Various Ferns(b) Xerophytic Grasses, Crassulaceae, Mesembryanthemum spp.

4.5 Lithophilous Macchia

5. SCRUB AND BUSH

5.1 SCRUB

(a) Littoral Scrub

(b) Inland Scrub

5.2 BUSH

6. HIGH FORESTS

6.1 The Principal Priseral Communities

6.1.1 Consocieties

(a) Virgilia capensis consocieties(b) Osteospermum moniliferum consocieties(c) Spermannia africana consocieties(d) Halleria lucida consocieties(e) Brachylaena neriifolia consocieties(f) Sideroxylon inerme consocieties(g) Ekebergia capensis consocieties(h) Myrsine melanophloeos consocieties(i) Olinia cymosa consocieties(j) Pterocelastrus variabilis consocieties(k) Podocarpus elongata L'Herit. consocieties(l) Platylophus trifoliatus consocieties(m) Cunonia capensis consocieties(n) Tarchonanthus camphoratus consocieties

6.1.2 Associates

(a) Virgilia - Myrsine melanophloeos associates(b) Virgilia - and - other species associates(c) Brachylaena neriifolia --- other species associates(d) Halleria - other species associates

- (e) Elaeodendron Kraussianum — other species associates
- (f) Celastraceae other species associates
- (g) Pterocelastrus - Lachnostylis associates
- (h) Olinia - Myrsine melanophloeos associates
- (i) Olinia — Pterocelastrus other species associates
- (j) Platylophus — Cunonia associates
- (k) Podocarpus elongata L'Herit. — other species associates
- (l) Cussonia umbellifera — other species associates
- (m) Mixed associates

6.2 PRINCIPAL CLIMAX COMMUNITIES

6.2.1 Consociations

- (a) Podocarpus elongata L'Herit, consociation
- (b) Olea laurifolia consociation

6.2.2 Associations

- (a) Podocarpus elongata L'Herit - other species association
- (b) Podocarpus thunbergii Hook. - Olea laurifolia - other species association
- (c) Faurea McNaughtonii - other species association

6.3 MINOR COMMUNITIES

6.3.1 Lower Layer Societies

- (a) Trichocladus crinitus layer societies
- (b) Hemitelia capensis layer societies
- (c) Blechnum capense layer societies
- (d) Todea barbara and Marattia fraxinea layer societies
- (e) Piper capense layer societies
- (f) Plectranthus fruticosus layer societies
- (g) Mixed layer societies
- (h) Layers of open portions of the Forest

6.3.2 Ground Vegetation

21. Schonland S 1919. Phanerogamic flora of the divisions of Uitenhage and Port Elizabeth. Memoirs of the Botanical Survey of South Africa, 1, 1-118.

- 1. Shore Vegetation
- 2. Halophilous Meadows
- 3. Vegetation of Van Stadens Mountains
- 4. Vegetation of the Coastal Plateau
- 5. Karroid Succulent Vegetation
- 6. Karroid Thorn Scrub
- 7. Acacia Formation

8. Pure Grassland Formation
 9. Forest Patches
22. Stephens E L 1929. Fresh water aquatic vegetation of the south-western districts. In: The botanical features of the south-west Cape Province. Speciality Press, Cape Town and Wynberg. pp 81-95.
1. SEASONAL VLEIS AND POOLS
 - 1.1 Open Vleis and Pools
 - 1.2 Lagoons
 - 1.3 Marshes
 2. PERMANENT VLEIS
 3. STREAMS
 4. RESERVOIRS
- 22a. Stindt H W and Joubert J G V 1979. The nutritive value of natural pastures in the districts of Ladismith, Riversdale and Heidelberg in the winter rainfall area of the Republic of South Africa. Technical Communication No 154. Department of Agricultural Technical Services, 1-12.
1. The Karroid Broken Veld
 - 1.1 Scrubs and trees
 - 1.2 Grasses, shrubs and other plant types
 2. The Succulent Mountain Scrub
 3. The Coastal Rhenosterbosveld
 4. Coastal Macchia
 5. False Macchia
23. Story R 1952. Botanical survey of the Keiskammahoek district. Memoirs of the Botanical Survey of South Africa 27, 1-184.
1. WOODLANDS
 - 1.1 ACACIA SCRUB
 - 1.2 FORT COX SCRUB
 - 1.3 NQHUMEYA SCRUB
 - 1.4 ZANYOKWE BUSH
 - 1.5 DRY FOREST
 - 1.6 MOIST FOREST
 - 1.7 MACCHIA
 - (a) CLIFFORTIA LINEARIFOLIA COMMUNITY
 - (b) CLIFFORTIA , PAUCISTAMINEA AND ERICA BROWNLEEAE COMMUNITIES

2. GRASSLANDS
 - 2.1 SWEETVELD
 - 2.2 TRANSITION ZONE
 - 2.3 SOURVELD

24. Taylor H C 1963. A bird's-eye view of Cape mountain vegetation. Journal of the Botanical Society of South Africa 59, 17-19.
 1. Waboomveld
 2. Bergpalmietveld
 3. Woody type

25. Taylor H C 1978. Capensis. Biogeography and ecology of southern Africa. M J A Werger (ed). Junk, The Hague, 171-229. Photographs.
 1. Fynbos
 - 1.1 Mountain Fynbos
 - (a) The proteoid zone
 - (b) The ericoid-restioid zone
 - (c) Hygrophilous fynbos
 - 1.2 Arid Fynbos
 - 1.3 Coastal Fynbos
 2. Strandveld
 - 2.1 Pioneer littoral dune vegetation
 - 2.2 Successional littoral dune communities
 - 2.3 Coast shrub
 - 2.4 Marsh and pan communities
 3. Coastal Renosterveld

26. Taylor H C 1980. Plant communities along the False Bay coast. Paper presented at a symposium on the future management of False Bay held at Cape Town on 11 June 1980.
 1. THE SOUTHERN PENINSULA
 - 1.1 Communities on acid T.M.S.sands, related to Mountain Fynbos
 - (a) Coleonema Fynbos
 - (b) Upland Mixed Fynbos
 - (c) Waboomveld
 - (d) Protea lepidocarpodendron, tall, dense proteoid fynbos
 - (e) Berzelia Fynbos

- 1.2 Communities on basic marine sands: true Coastal Fynbos or Bush
 - (a) Communities of the coastal shelf and dunes
 - (b) Sideroxylon Thicket
 2. THE CAPE FLATS
 - 2.1 Climax Strandveld
 - 2.2 Coastal Fynbos
 3. THE EAST COAST OF THE BAY
 - 3.1 Mountain Fynbos
 - 3.2 Moist tall heathland
27. Taylor H C and Boucher C 1973. Natural vegetation boundaries of the south-western Cape Province (test site B) from ERTS-1 (LANDSAT 1) imagery. CSIR (NPRL) Special Report Fisika 50 (SR No. 9616), 47-57. Map.
1. Coastal Lowland Areas
 - 1.1 Coastal Macchia - Veld Type 47
 - (a) Coastal Macchia on stabilized recent sand
 - (b) Coastal Macchia on less stabilized recent sand
 - (c) The Lowland cultural phase of Coastal Macchia
 - 1.2 Coastal Renosterbosveld - Veld Type 46
 - (a) Coastal Renosterbos on shales
 - (b) Coastal Renosterbosveld on granite hills
 - 1.3 West Coast Strandveld - Veld Type 34
 - 1.4 Lowland riverine vegetation
 - 1.5 Coastal Marshes
 2. Mountainous areas
 - 2.1 Fynbos
 - (a) Fynbos (Veld Type 69) on Table Mountain Sandstone
 - (b) Fynbos on Granite
 - 2.2 Mountain Renosterbosveld
 - 2.3 Forests
 - 2.4 Mountain riverine vegetation
 3. Karoo
 4. Tree plantations

28. Trollope W S W 1970. A consideration of macchia (fynbos) encroachment in South Africa and an investigation into methods of macchia eradication in the Amatole mountains. Unpublished MSc (Agricultural) thesis, University of Natal, 1-354. Photographs.

1. The Lowland Macchia Community
2. The highland macchia community

Refer also to:

Trollope W S W and P de V Booyesen 1971. The eradication of Macchia (fynbos) vegetation on the Amatole mountains of the Eastern Cape. Proceedings of the Grasslands Society of Southern Africa, 6, 28-38. Photographs.

29. Von Breitenbach F 1974. Southern Cape forests and trees. The Government Printer, Pretoria. Photographs.

1. Climax types

- 1.1 Hot and dry zone

- (a) The very very dry scrub
- (b) The very dry scrub-forest
- (c) The dry high-forest

- 1.2 Temperate-humid zone

- (a) The medium-moist high-forest
- (b) The moist high-forest

- 1.3 Cold and wet zone

- (a) The wet high-forest
- (b) The very wet scrub-forest
- (c) The very very wet scrub

2. Secondary scrub types

- 2.1 Hot and dry zone

- (a) The dry scrub

- 2.2 Temperate-humid zone

- (a) The moist scrub

- 2.3 Cold and wet zone

- (a) The wet scrub

See also: Von Breitenbach F 1972. Indigenous forests of the southern Cape. Journal of the Botanical Society of South Africa 58, 18-47. Photographs.

SECTION II

Plant communities described over a restricted geographical area which ARE identified on the map (Figure 1).

- 1a. Acocks J P H 1933. Vegetation of a portion of the Cape Flats and list of plants so far found there. MSc Thesis, University of Cape Town. Map.

Also refer to:

Acocks J P H 1935. Vegetation and flora of the South West Cape: The effects of veld-burning. Partial PhD Thesis, Department of Botany, University of Cape Town. Map, photographs.

Region 1 and 5. The sandy region bounded by the Kuils river and the swamp W. of the Kanonberg, the Main Line and, roughly, the Bottelary Rd.

2 The upper slopes of the Kanonberg and its Southern spur overlooking the Bottelary Rd.

3 and 4 The sandy Southern and Northern slopes of the Kanonberg

6 The brak low-lying region of gravelly clay between the Strand Road and the Strand line

7 The region of big sand-dunes to the West of Sarepta

8 The low-lying part between the Strand Line and the dunes

9 The clay flats North of the Bottelary Road

- 1b. Adamson R S 1925. The native vegetation of Kirstenbosch. Journal of the Botanical Society of South Africa 11, 19-23.

1. Silver Tree Woods
2. Bush communities
3. Undershrub and reed communities

2. Adamson R S 1927. The plant communities of Table Mountain. I. Preliminary account. Journal of Ecology 15, 278-309.

1. SCLEROPHYLL VEGETATION

1.1 Lower Slopes

1.1.1 Protea Bush

- (a) Community of eastern slopes
- (b) Community of western slopes

1.1.2 Leucadendron argenteum Groves

1.1.3 Seral Communities

1.2 Plateau

- 1.2.1 Communities on Sandy Soils
- 1.2.2 Communities on Horizontal Sandstones
- 1.2.3 Cliffs and Rock Ledges
- 1.2.4 Flushes and Sheltered Rocks

2. FORESTS

- 3a. Adamson R S 1934. The vegetation and flora of Robben Island. Transactions of the Royal Society of South Africa 22, 279-296. Photographs.

Much uniformity of flora and general character of communities; however, divisions have been made in accordance with physical features:

1. Sand with Limestone
2. Flats over Malmesbury Rocks
3. Rocks and Quarries
4. Coast
5. Coastal Sand
6. Rubble Bank
7. Cultivated Area
8. Plantations

- 3b. Andrag R H 1970. Plantopname van Helderberg-Natuurreservaat. Honours Project, Forestry Faculty, University of Stellenbosch. Map.

- 1,2 and 9. Waboomveld
- 3, 4 and 5. Protea macrocephala-veld
6. Kloofbos
7. Suurknolveld
8. Lae riet-grasveld
10. Droë slangbosveld
- 11 and 13. Rivierplantegroei
12. Cliffortia phillipsii-veld

4. Andrag R H 1977. Studies in die Sederberge oor (i) die status van die Clanwilliam seder (Widdringtonia cedarbergensis Marsh), (ii) buiteligontspanning. MSc Thesis, University of Stellenbosch, Stellenbosch.

1. Hoë struikrestioveld
2. Lae struikrestioveld
3. Waboomveld
4. Skalieplantegroei
5. Rivierstruikplantegroei
6. Droë kloofbos
7. Nat kloofbos

- 4a. Archibald E E A 1955. An ecological survey of the Addo Elephant National Park. Journal of South African Botany 20 (4), 137-154, map.

1. Karoo-bushveld
2. Mixed Shrub and Grassland
3. Bontveld
4. Coastal Bush
5. Spekboomveld

5. Bond W 1978. A management plan of the Ysternek Nature Reserve. Unpublished report, Department of Forestry, Saasveld Forestry Research Station, 1-23. Map.

1. Simocheilus - Restio Mixed Shrub-Restioveld
2. Leucadendron spissifolium - Simocheilus - Hypodiscus Mixed Shrub Restio-Grassveld
3. Protea neriifolia - Hypodiscus Mixed Proteoid-Shrub-Restio-Grassveld
4. Leucadendron eucalyptifolium - Berzelia - Protea neriifolia Mixed Protea-Shrub-Restioveld
5. Leucadendron uliginosum, Elegia parviflora, Mixed Protea-Shrub-Restioveld
6. Leucadendron eucalyptifolium. Protea-Shrub-Restioveld
7. Berzelia, Leucadendron eucalyptifolium, Gleichenia Tree-Shrub-Restioveld
8. Berzelia, Leucadendron eucalyptifolium Tree-Shrub-Restioveld with scattered Protea mundii
9. Berzelia, Gleichenia Shrub-Fern-Restioveld
10. Berzelia, Penaea Shrub-Restioveld
11. Virgilia, Cunonia, Berzelia Mixed Tree Shrubveld

6. Bond W 1978. A management plan of De Vasselot Nature Reserve. Unpublished report, Department of Forestry, Saasveld Forestry Research Station, 1-33. Map.

1. Medium Closed Virgilia oroboides Thicket
2. Medium-Tall Leucadendron eucalyptifolium small closed Shrubland
3. Tall Protea mundii - Leucadendron eucalyptifolium Closed Shrubland
4. Tall Leucadendron eucalyptifolium - Other Species Closed Shrubland
5. Medium to Tall Hypodiscus synchroolepis/Restio land and Short Closed Erica Penaea Shrubland with moderate Restio cover
6. Medium Tall Leucadendron salignum, Erica spp., Metalsia Closed Shrubland
7. Medium-Tall Protea neriifolia Closed Shrubland with moderate Grass/Restios
8. Mosaic of Tall Priestleya - Leucadendron Closed Shrubland and Short Simocheilus-Hypodiscus-Tetraria Open Shrubland with moderate restio and sparse to moderate grass cover
9. Tall Passerina - Erica Closed Shrubland
10. Tall Passerina falcifolia Closed Shrubland with moderate, sometimes sparse, grass cover
11. Short to Medium Simocheilus - Tetraria - Hypodiscus Open Shrubland with moderate grass and restio cover
12. Medium Phyllica, Tetraria Open Shrubland with moderate graminoid cover
13. Old Cleared Acacia mearnsii plantation
14. Reclaimed Quarry

7. Bosch J M 1972. Natuurbewaringsplan vir Garcia Natuurresewaat. Honours project, Department of Nature Conservation, University of Stellenbosch, Stellenbosch, 1-64.
1. SUNBIRDKLOOF
 - 1.1 Inheemse bos
 - 1.2 Protea gemeenskap
 - 1.3 Geofiet- en blomplantgemeenskap
 - 1.4 Sleeping Beauty - kop
 2. ROBERTSKLOOF
 3. STINKHOUTBOSKLOOF
 4. THE FLATS
 5. KAROODEEL
8. Boucher C 1974. A brief outline of the vegetation found in the vicinity of the South African museum excavations at Die Kelders near Gansbaai, Cape. Unpublished report compiled by the Botanical Research Institute for the South African Museum, 1-2.
1. Dune vegetation
 2. Limestone vegetation
9. Boucher C 1977. Special reports. A. The vegetation on a hill near Karwelkop, Concordia State Forest. B. Nature's Valley dune vegetation. Unpublished Botanical Research Institute report written for the Department of Soil Science, University of Stellenbosch, 1-5.
- A. Karwelkop
 - 1 Moist drainage line Fynbos
 - 2 Dry aspect Fynbos
 - 3 Intermediate aspect Fynbos
 - B. Nature's Valley
 - 1 Dense short scrub
 - 2 Dune Fynbos
 - 3 Knysna Forest
10. Boucher C 1978. Cape Hangklip Area 2. The vegetation, Bothalia 12 (3), 455-497. Table, map, photographs.
1. Coastal plain vegetation
 - 1.1 Littoral dune communities
 - (a) Ehrharta - Ficinia Strand Pioneers
 - (b) Colpoon - Rhus Dune Scrub
 - (c) Sideroxylon inerme Dune Scrub

- 1.2 Limestone communities
 - 1.3 Acid sand flats communities
 - 1.4 Coleonema album Short Coastal Fynbos
 - 1.5 Erica -- Osmitopsis Seepage Fynbos
 - 1.6 Marsh communities
 - (a) Chondropetalum --- Juncus Vlei --- fringing
Tussock Community
 - (b) Phragmites, Scirpus or Typha Reed Beds
 - 1.7 Alien communities
2. Mountain vegetation
- 2.1 Forest vegetation
 - (a) Cussonia -- Olea Scree Forest
 - (b) Cunonia -- Alsophila Kloof Forest
 - (c) Podocarpus -- Rapanea Shale Forest
 - 2.2 Fynbos communities on yellow plinthic soils
 - (a) Protea -- Tetraria Dry Short Fynbos
 - (b) Berzelia -- Leucadendron Moist Tall Fynbos
 - (c) Hypolaena -- Erica Tillite Community
 - 2.3 Coastal mountain fynbos
 - (a) Mixed ericoid and restioid fynbos of the xeric slopes
 - (b) Mixed ericoid and restioid fynbos of the mesic seaward slopes
 - 2.4 Inland mountain fynbos
 - 2.4.1 Northerly aspect communities
 - (a) Mixed short ericoid and restioid fynbos of the xeric flat areas
 - (b) Mixed ericoid and restioid fynbos of the lower drier slopes
 - (c) Mixed short ericoid and restioid fynbos of the xeric upper rocky slopes
 - (d) Mixed ericoid and restioid fynbos of the upper mesic slopes
 - 2.4.2 Southerly aspect vegetation
 - a) Mixed lower slope fynbos
 - b) Chondropetalum --- Berzelia Upper Hygric Fynbos
 - 2.4.3 Chondropetalum -- Restio Tussock Marsh
 - 2.5 Alien communities

3. Riparian vegetation
 - 3.1 Prionium — Wachendorfia Swamp Community
 - 3.2 Berzelia — Metrosideros Tall Fynbos of Rocky Streams
 - 3.3 Brabejum — Rhus Riverine Scrub
 - 3.4 Alien vegetation

11. Boucher C and Jarman M L 1977. The vegetation of the Langebaan area, South Africa. Transactions of the Royal Society of South Africa 42 (3), 241-272. Table, photographs, map.
 1. Coastal-shelf communities
 - 1.1 Atriplex — Zygophyllum Coastal-shelf Dwarf Shrubland
 - 1.2 Pelargonium — Muraltia Coastal-shelf Dwarf Shrubland
 2. Communities on granite soils
 - 2.1 Galenia — Senecio Hillside Closed Dwarf Shrubland
 - 2.2 Ehrharta — Maurocena Hillside Dense Shrubland
 3. Communities on limestone soils
 - 3.1 Nenax — Maytenus — Zygophyllum Limestone Evergreen Shrubland
 - 3.2 Pteronia uncinata Limestone Evergreen Dwarf Shrubland
 4. Communities on consolidated and unconsolidated dune sands
 - 4.1 Maytenus — Kedrostis Consolidated-dune Dense Evergreen Shrubland
 - 4.2 Willdenowia striata Consolidated-dune Evergreen Restioid Shrubland
 - 4.3 Thamnochortus spicigerus Dune Dense Tall Restioid Herbland
 - 4.4 Hermannia pinnata Littoral-dune Dwarf Succulent Shrubland
 - 4.5 Didelta — Psoralea Littoral-dune Open Grassland
 - 4.6 Metalsia — Myrica Dune Dense Evergreen Ericoid Shrubland
 5. Marsh communities
 - 5.1 Juncus kraussii Dense Sedgelands
 - (a) Nidorella — Senecio Mixed Form
 - (b) Cliffortia strobilifera-dominated Form
 - (c) Typha capensis-dominated Form
 - (d) Phragmites australis-dominated Form
 - 5.2 Chenolea — Salicornia Dwarf Succulent Shrubland
 - (a) Limonium — Disphyma Form
 - (b) Spartina — Triglochin Form

12. Britton P 1972. A report on the proposed nature reserve at Swartklip. BSc (Hons) project, University of Stellenbosch, Stellenbosch, 1-54.

1. SCRUB

- 1.1 Olea exasperata scrub
 1.2 Pterocelastrus - Euclea scrub
 1.3 Rhus glauca - Chrysanthemoides monilifera scrub
 1.4 Helichrysum crispum transitional scrub

2. OPEN PATCHES

- 2.1 Thamnochortus spicigerus patches
 2.2 Herniaria arenicola - Ifloga seriphioides open patches

3. FYNBOS AND VARIANTS

- 3.1 Cullumia squarrosa fynbos
 3.2 Coastal Fynbos
 (a) Metalasia - Myrica coastal fynbos
 (b) Metalasia coastal fynbos
 (c) Helichrysum strandveld
 (d) Restio - Passerina - Ehrharta coastal fynbos
 3.3 Aspalathus - Erica limestone fynbos

4. VLEI

13. Campbell B M (ed) 1975. A preliminary report on the Sapree River catchment in the Kouga Mountains, southern Cape. Botany Department, University of Cape Town, Rondebosch, 7-11.

1. AQUATIC COMMUNITIES
 2. RIVERINE COMMUNITIES

- 2.1 Salix mucronata RIVERINE SHRUBLAND
 2.2 Leucadendron RIVERINE SHRUBLAND
 2.3 DRY RIVERINE SHRUBLAND

3. DRY SHRUBLAND

- 3.1 MID-HIGH (1-2,5 m) OPEN SHRUBLAND
 3.2 MID-HIGH CLOSED SHRUBLAND (SCRUB)
 (a) Portulacaria - Dodonea (Scrub)
 (b) Scree Scrub
 (c) Valley Scrub
 3.3 LOW CLOSED Elytropappus SHRUBLAND

4. MOUNTAIN FYNBOS
 - 4.1 LOW FYNBOS
 - 4.2 LOW FYNBOS WITH MID-HIGH PROTIOID SHRUBLAND
 - 4.3 CLOSED PROTIOID SHRUBLAND
 5. SCRUB FOREST
 - 5.1 MOIST SCRUB-FOREST
 - 5.2 DRY SCRUB-FOREST
14. Campbell B M and Moll E J 1976. The forest communities of Table Mountain, South Africa. In: The ecological status of Table Mountain. University of Cape Town, Rondebosch, 1-58. Photographs, map.
1. Kiggelaria africana - Rapanea melanophloeos forest alliance
 - 1.1 Virgilia oroboides association
 - 1.2 Rhus tomentosa association
 - 1.3 Maytenus oleoides association
 - 1.4 Scutia myrtina - Scolopia mundii association
 - (a) Maytenus heterophylla - Kiggelaria africana facies
 - (b) Olea africana - Podocarpus facies
 - (c) Halleria lucida - Rapanea melanophloeos facies
 - (d) Linociera foveolata - Cassine capensis facies
 - (e) Scolopia mundii - Cassine capensis facies
 - (f) Olea capensis - Curtisia dentata facies
 - (g) Hartogia capensis - Rapanea melanophloeos facies
 - (h) Hartogia capensis - Cunonia capensis facies
 - (i) Cunonia capensis - Olinia cymosa facies
 - (j) Cunonia capensis - Apodytes dimidiata facies
 - (k) Cunonia(-)capensis - Ilex mitis - Rapanea melanophloeos facies
 - 1.5 Cunonia capensis - Ilex mitis association
 - 1.6 Maurocena frangularia - Olea africana association
 - (a) Olea africana - Canthium mundianum facies
 - (b) Maurocena frangularia facies
 2. Heeria argentea scrub-forest association
 3. Metrosideros angustifolia scrub-forest association
15. Campbell B M and Moll E J 1977. The forest communities of Table Mountain, South Africa. Vegetatio 34 (2), 105-115. Map, photographs, table.
1. Kiggelaria africana - Rapanea melanophloeos association
 - 1.1 Virgilia oroboides sub-association
 - 1.2 Rhus tomentosa sub-association
 - 1.3 Maytenus oleoides sub-association

1.4 Scutia myrtina - Scolopia mundii sub-association

- (a) Maytenus heterophylla - Kiggelaria africana variant
- (b) Olea africana - Podocarpus latifolius variant
- (c) Halleria lucida - Rapanea melanophloeos variant
- (d) Linociera faveolata - Cassine capensis variant
- (e) Scolopia mundii - Cassine capensis variant
- (f) Olea capensis - Curtisia dentata variant
- (g) Hartogia capensis - Rapanea melanophloeos variant
- (h) Hartogia capensis - Cunonia capensis variant
- (i) Cunonia capensis - Olinia cymosa variant
- (j) Cunonia capensis - Apodytes dimidiata variant
- (k) Cunonia capensis - Ilex mitis - Rapanea melanophloeos variant

1.5 Cunonia capensis - Ilex mitis sub-association1.6 Maurocena frangularia - Olea africana sub-association

- 2. Heeria argentea association
- 3. Metrosideros angustifolia association

Also listed in: Moll E J and Campbell B M (eds). The ecological status of Table Mountain. University of Cape Town, Rondebosch.

- 16. Campbell B M, Gubb A and Moll E J 1980. The vegetation of the Edith Stephens Cape Flats Flora Reserve. Journal of South African Botany 46 (4), 435-444. Table, map.

- 1. Lolium community
- 2. Ehrharta calycina - Pelargonium capitatum community
- 3. Felicia tenella community
- 4. Triglochin bulbosum community
- 5. Aponogeton - Sporobolus community
- 6. Potamogeton - Aponogeton vlei community

- 17. Cowling R 1978. The ecological status of the understorey communities of pine forests on Table Mountain. In: Moll E J and Campbell B M (eds) The ecological status of Table Mountain. University of Cape Town, Rondebosch, 1-29. Photographs, table.

- 1. Ficinia sp. - Pelargonium cuc(u)llatum Community
- 2. Restio multiflorus - Erica coccinea Community
- 3. Bobartia indica - Erica plukeneti Community
 - 3.1 Myrica sp. - Gibbaria illicifolia sub-community
 - 3.2 Aristea sp. - Erica plukeneti sub-community
 - 3.3 Hypodiscus aristatus - Tetraria thermalis sub-community
- 4. Osmatopsis asteriscoides - Berzelia lanuginosa Community
- 5. Pinus pinaster Community

See also: Cowling RM, Moll EJ and Campbell BM 1976. The ecological status of the understorey communities of pine forests on Table Mountain. South African Forestry Journal 99, 13-24.

18. Cowling R M 1980. The coastal dune ecosystems of the Humansdorp District - a plea for their conservation. The Eastern Cape Naturalist 70, 25-28. Map, photograph.
1. Broad leaf sclerophyll shrubland to woodland
 2. Dune fynbos
 3. Dune grassland
 4. Climax shrubland and shrub forest
19. Downing B H and van der Merwe P N D. Veld grazing studies at the Nortier experimental farm: including a vegetation map of the farm. Winter Rainfall Region Project Report W-NT 1, 2.
1. Zygophyllum - Tetragonia Unit
 2. Chrysanthemoides Unit
 3. Pteronia Unit
 4. Willdeno(v)ia Unit
 5. Stabilized Dunes Unit
 6. Eragrostis Unit
 7. "Fort se Duin" Unit
 8. Euclea Unit
 9. Coast Dunes Unit
20. Drews B K 1980. Report on conservationworthy areas of fynbos in the Knysna - Wilderness - Plettenberg Bay Guide Plan Area. Unpublished report. Botanical Research Institute, Pretoria, 1-30. Photographs.
1. Dense low shrubland
 2. Open low shrubland
 3. Open high shrubland
 4. Scrub forest
 5. Dense low shrubland with alien invasion
 6. Alien shrubland
 7. Mixture of dense high and low shrubland and usually scattered trees
 8. Dense low shrubland with scattered trees
21. Drews B K 1980. Conservationworthy areas of fynbos in the George Guide Plan Area. Unpublished report. Botanical Research Institute, Pretoria, 1-4.
1. Dense low shrubland
 2. Open high shrubland
 3. Dense low shrubland with alien invasion
 4. Alien shrubland
 5. Mixture of dense high and low shrubland and usually scattered trees
 6. Dense low shrubland with scattered trees

22. Duthie A V 1929. Vegetation and flora of the Stellenbosch flats. Annals of the University of Stellenbosch 7 (4), 1-59.
1. Protea Bush (Protea Macchia)
 2. Grey Bush
 3. Arthrosolen consociation of "Heuweltjies"
 4. Fringing Forest of River Banks
 5. Seasonal Swamps
23. Edwards K Z 1971. Vegetation of the Swartkops estuary. In: The Swartkops estuary. An ecological survey. Swartkops Trust, Port Elizabeth, 11-13.
1. THE SALT MARSH COMMUNITY
 2. THE FLATLAND
 3. THE BUSH
24. Fourie J 1972. Ecology of De Wets Bay. Veld and Flora 2 (1), 20.
1. Beach Area
 2. Rocky surroundings
 3. Mountain slope
 4. Marsh area
25. Glyphis J 1976. A phytosociological survey of the Back Table, Table Mountain. In: Moll E J and Campbell B M (eds) Table Mountain, a conservation and management report. Department of Botany, University of Cape Town, Rondebosch, 1-25. Photographs, table.
1. Cunonia capensis Forest Community
 2. Erica hispidula Fynbos Community
 - 2.1 Wet Hypolaena crinatus - Elegia thyrsoflora sub-association
 - 2.2 Hypodiscus aristatus - Tetraria thermalis sub-association
 - 2.3 Cliffortia ruscifolia - Lampranthus falciformis sub-association
 - 2.4 Woody proteoid sub-association
26. Glyphis J, Moll E J and Campbell B M 1978. Phytosociological studies on Table Mountain, South Africa: 1. The Back Table. Journal of South African Botany 44 (3), 281-289. Table, photographs.
1. Ilex - Blechnum Forest Community
 2. Penaea - Erica Fynbos Community
 3. Erica mollis Fynbos Community

27. Grobler P J 1964. Die plantegroei en flora van 'n area op Oudebos in die Kogelbergreservaat, Caledon. MSc Thesis, University of Stellenbosch, Stellenbosch, 1-64. Map, photographs.
1. Leucadendron salignum-stande
 - 1.1 Leucadendron guthriae-stande
 - 1.2 Phaenocoma proliferata-stande
 - 1.3 Protea mellifera-stand
 - 1.4 Berzelia - Leucadendron - Danthonia-stande
 2. Prionium - Brachylaena-stande
 3. Osmitopsis - Cliffortia-stande
 4. Acacia mollissima-stand
28. Grobler P J and Marais J 1967. Die plantegroei van die Nasionale Bontebokpark, Swellendam. Koedoe 10, 132-148. Map, photographs.
1. Leucadendron - Lanaria-gemeenskap
 2. Cliffortia ruscifolia-gemeenskap
 3. Protea repens-gemeenskap
 4. Leucadendron - Pelargonium-gemeenskap
 5. Erica diaphana-gemeenskap
 6. Leucadendron-gemeenskap van die vlakte
 7. Renosterbos-gemeenskap van die vlakte
 8. Renosterbos-gemeenskap van die hange
 9. Kort Renosterbos - Themeda-gemeenskap
 10. Olea - Chilianthus-gemeenskap
 11. Aloe ferox-gemeenskap
 12. Acacia karroo-gemeenskap
 13. Podocarpus-gemeenskap
29. Hall A V 1978. Rare and endangered plant species survey: Threatened habitat report for the Riverlands fynbos habitat. Unpublished report. Bolus Herbarium, 1-8. Map, photographs.
1. Community on sandy rises
 2. Community in brackish depressions
 3. Communities in seasonally water-logged areas
 4. Communities on seasonally moist soils
 5. Invasive Australian Acacia communities
 6. Ploughed land
 7. Post-fire successional communities
30. Hattingh C, Steenkamp J C and West A 1980. Natuurbewaring en ontspanningsplan vir die munisipaliteit van Stellenbosch. Unpublished BSc (Forestry) project, Faculty of Forestry, University of Stellenbosch, 1-79. Maps, photographs.
- 1 Paradyskloof
 - 1.1 Nathellings
 - 1.2 Droëhellings

- 1.3 Oewer- en kloofgemeenskappe
 - 1.4 Steilberghellings
- 2 Bothmaskop
- 2.1 Green South-facing slopes
 - 2.2 Dry North-facing slopes
 - 2.3 Scree Forest
 - 2.4 Riverine belt
 - 2.5 Talus slope
31. Jessop J P and Jacot-Guillarmod A 1969. The vegetation of the Thomas Baines Nature Reserve. Journal of South African Botany 35, 367-392. Map, photographs.
- 1. MACCHIA-GRASSVELD
 - 2. SAVANNAH
 - 3. FOREST AND THICKET
 - 4. RIVERINE VEGETATION
32. Johnson C T and Weitz F M N D. A preliminary account of the ecology of the inland communities of the Cape Flats. Unpublished manuscript, University of Western Cape, Bellville, 1-19.
- 1. Rhus - Olea Community
 - 2. Compositae Community
 - 3. Gramineae - Restio Community
 - 4. Thamnochortus Community
33. Kruger F J 1970. Preliminary report on the Marloth Nature Reserve (Swellendam Forest Reserve) and its management. Unpublished report, Department of Forestry, 1-16.
- 1. Forest
 - 2. Fynbos
34. Kruger F J 1974. The physiography and plant communities of Jakkalsrivier catchment. MSc Thesis, University of Stellenbosch, Stellenbosch, 1-162. Map, photographs, table.
- 1. PHREATIC COMMUNITIES
 - 1.1 Berzelia lanug(in)osa - Leucadendron salicifolium community
 - 1.2 Brunia alopecuroides - Restio bifidus community
 - 2. COMMUNITIES OF THE UPPER COOL, STEEP SLOPES
 - 2.1 Willdenowia sulcata - Thamnochortus pulcher community
 - 2.2 Willdenowia sulcata - Erica brevifolia community
 - 2.3 Willdenowia sulcata - Klattia partita community

3. COMMUNITIES ON SHALE SOILS
 - 3.1 Tetraria bromoides - Erica plukenetii community
4. COMMUNITIES OF HOT DRY SITES
 - 4.1 Staberoha cernua - Restio tenuissimus community
 - 4.2 Staberoha cernua - Phylica lasiocarpa community
 - 4.3 Erica corifolia - Restio egregius community
 - 4.4 Leontonyx spathulatus - Roella incurva community
 - 4.5 Rochea coccinea - Prismatocarpus schlechteri community

35. Laidler D and Glyphis J 1976. A phytosociological survey of the upper plateau of Table Mountain. In: Moll E J and Campbell B M (eds) Table Mountain, a conservation and management report. Department of Botany, University of Cape Town, Rondebosch, 1-11. Table.
 1. Maytenus oleoides - Athanasia parviflora Community
 2. Erica hispidula - Penaea mucronata Community
 - 2.1 Euryops abrotanifolius - Leucadendron strobilinum sub-community
 - 2.2 Helichrysum pinifolium - Chondropetalum deustum sub-community

36. Laidler D, Moll E J, Campbell B M and Glyphis J 1978. Phytosociological studies on Table Mountain, South Africa. 2. The Front Table. Journal of South African Botany 44(3), 291-295. Map.
 1. Maytenus - Athanasia Community
 2. Restio Community
 - 2.1 Watsonia - Penaea Sub-community
 - 2.2 Restio - Hypolaena Sub-community

37. Lamprecht E 1979. 'n Floristiese opname van 'n deel van die Jan Marais-Natuurreservaat. BSc (Hons) Project, University of Stellenbosch, Stellenbosch. Map, photographs.
 1. Grysbos
 2. Gemengde gemeenskap, grysbos oorheersend
 3. Grasmengenskap
 4. Protea-klimaks en sub-klimaks
 5. Gemengde gemeenskap Protea oorheersend
 6. Pinus pinaster
 7. Bewerkte of skoongemaakte areas
 8. Vlei

38. Lane S B 1980. Interpretation of digital LANDSAT-1 imagery from Verlorenvlei, south-western Cape. MSc Thesis (Environmental Studies), University of Cape Town, Rondebosch, 1-154.
1. Strandveld
 2. Fynbos types
 - 2.1 Fynbos I
 - 2.2 Fynbos II
 - 2.3 Fynbos III
 3. Cliff types
 4. Karroid types
 5. Marsh vegetation
39. Le Brasseur J 1973. Conservation plan for Garcia Nature Reserve. BSc (Hons) Project. University of Stellenbosch, Stellenbosch, 1-18.
1. The Vegetation of the flats
 2. Mountainous vegetation, Southern Aspects
 3. Mountainous vegetation, Northern Aspects
 - 2.1 Indigenous forest patches
 - 2.2 Scrub forest along the streams
 - 2.3 The Flats
40. Le Roux G H 1977. Bewaringsplan vir Groot-Winterhoek Bosreservaat. Unpublished BSc (Forestry) project, Forestry Faculty, University of Stellenbosch, 1-90. Photographs.
1. Waboom - laurifolia veld
 2. Struik-restioveld
 3. Rietveld
 4. "Alpine" veld
 5. Rivierbos
 6. Freatiese veld
 7. Dasbos
 8. Versteurde veld
 9. Gemengde koppieveld
41. Levyns M R 1950. The relations of the Cape and Karoo floras near Ladismith, Cape. Transactions of the Royal Society of South Africa 32, 235-246.
1. Cape sclerophyll
 2. Rhenosterveld
 3. Succulent bush

42. Linder H P 1976. A preliminary study of the vegetation of Piketberg Mountain, Cape Province. BSc (Hons) Project, University of Cape Town, Rondebosch, 1-166. Table.

1. Forest Vegetation

- 1.1 Scree Forest Form
 1.2 Cliff Forest Form
 1.3 Podocarpus Scree Forest Form

2. Riverine Vegetation

3. Protea laurifolia Scrub

- 3.1 Protea laurifolia - Stoebe plumosa Form
 3.2 Protea laurifolia - Restio sieberi Form

4. Leucadendron salignum - Erica parilis Scrub

- 4.1 Protea tenuifolia - Serruria aitonii Form
 4.2 Staberoha distachya Form
 4.3 Suurvlakte Form

5. Relhania squarrosa Dry Fynbos

6. Rhenoster Veld

43. Linder H P 1977. Kuilsrivier inundation system. Unpublished. South African Ornithological Society Conservation Committee Report, 1-7. Map.

1. The stream systems
 2. The ponds
 3. Inundation systems

44. Linder H P 1978. Preliminary report on the vegetation of the Paarden Eiland vlei. BSc (Hons) Project, University of Cape Town, Rondebosch, 1-14. Map, table.

1. DRY LAND VEGETATION

- 1.1 Indigenous vegetation
 1.2 Paspalum vaginatum beds
 1.3 Buffalo-grass beds
 1.4 Lolium - Tetragonia Annual Grassland
 1.5 Acacia - Galenia Shrub

2. VLEI VEGETATION

- 2.1 Arthrocnemum - Salicornia Mudflats Association
 2.2 Scirpus maritimus sedgelands

- (a) Arthrocnemum pillansii Form
 (b) S. maritimus - A. natalense Form
 (c) S. maritimus - Sporobolus virginicus Form
 (d) S. maritimus - Chenopodium album Form

2.3 Paspalum vaginatum beds

- 45a. Martin A R H 1960. The ecology of Groenvlei, a South African fen. Part 1. The primary communities. Journal of Ecology 48, 55-71.

PRIMARY VEGETATION

1. Vegetation of the lake and lake margin
 - 1.1 The submerged state of the hydrosere
 - (a) Benthic algal communities
 - (b) Free-floating algal communities
 - (c) Chara sp. consocias
 - (d) Potamogeton pectinatus - P. pusillus associates
 - (e) Najas marina
 - 1.2 The partially submerged stage
 - (a) Scirpus littoralis consocias
 - (b) Typha capensis consocias
 - (c) Phragmites communis consocias
 - (d) Cladium mariscus consocias
 - 1.3 The sedge fen
 - 1.4 The fen carr
2. Marginal vegetation on sandy substrates
 - 2.1 The Stenotaphrum - Falkia zone
 - 2.2 The molehill zone
 - 2.3 The sandy intrusions on the fen
 - 2.4 Sporobolus virginicus community
 - 2.5 The marginal thicket on sand
3. Vegetation of the dunes
 - 3.1 The dune heath
 - 3.2 The dune woodland

- 45b. Martin A R H 1960. The ecology of Groenvlei, a South African fen. Part 2. The secondary communities. Journal of Ecology 48, 307-329. Photographs.

Communities produced under utilization

1. The hummock fen
2. Fen meadow
3. Triglochin - Arthrocnemum association (saltmarsh)

46. Martin A R H 1965. Plant ecology of the Grahamstown Nature Reserve. Primary communities and plant succession. Journal of South African Botany 31, 1-54. Photographs, map.

1. COMMUNITY TYPES OF STEEP ROCKY SLOPES, CLIFFS AND RIDGES
 - 1.1 FLORA OF THE FACE OF DASSIE KRANTZ
 - 1.2 FLORA OF OLDENBURGIA COMMUNITY
2. COMMUNITY-TYPES OF WET ROCK OUTCROPS
 - 2.1 FLORA OF DRIPPING ROCKS
3. COMMUNITY-TYPE OF BOULDER TALUS
 - 3.1 FLORA OF THE TALUS BELOW DASSIE KRANTZ
4. COMMUNITY TYPES OF THE HILL SLOPES
 - 4.1 Nanophanerophytic heath formation: Erica demissa — mixed heath alliance
 - (a) Erica demissa heath
 - (b) Erica demissa — Phyllica axillaris — other spp. heath
 - (c) Metalasia muricata heath
 - (d) Tetraria capillacea — mixed dwarf shrub heath
 - (e) Festuca — Bobartia community
 - (f) Cliffortia linearifolia communities
 - (g) Festuca costata grassland
 - (h) The flora of the gravel pit
 - 4.2 Grassland-temperate grassland formation
 - (a) Tall tussock grassland subformation
 - (b) Low tussock grassland subformation
 - 4.3 Scrub and forest
5. HYGROPHILOUS COMMUNITIES
6. COMMUNITY TYPES OF AQUATIC AND SEMI-AQUATIC CONDITIONS
 - 6.1 OPEN WATER AND MUD
 - 6.2 STREAM BANKS AND WET SOILS

47. McKenzie B, Moll E J and Campbell B M 1977. A phytosociological study of Orange Kloof, Table Mountain, South Africa. Vegetatio 34 (1), 41-53. Map, photograph, table.

1. Fynbos
 - 1.1 Restio gaudichaudianus - Lob(e)stemon glaucophyllous community
 - 1.2 Leptocarpus membranaceus - Hypodiscus aristatus community
 - 1.3 Cliffortia pedunculata - Widdringtonia nodiflora community

- 1.4 Cannamois virgata - Selago spuria community
 - 1.5 Cliffortia odorata - Restio quadratus community
 - 1.6 Hypodiscus albo - aristatus community
 - 1.7 Pelargonium cucullatum - Ehrharta ramosa community
2. Scrub
- 2.1 Cassine capensis - Maytenus oleoides community
 - 2.2 Aspalathus astroites Scrub community
 - 2.3 Briza maxima - Pelargonium cucullatum community
3. Forest communities
- 3.1 Scutia myrtina community
 - 3.2 Maytenus heterophylla - Kiggelaria africana community
 - 3.3 Olea africana - Podocarpus latifolius community
 - 3.4 Maytenus oleoides community
 - 3.5 Cunonia capensis - Apodytes dimidiata community
 - 3.6 Cunonia capensis - Ilex mitis - Rapanea melanophloeos community
 - 3.7 Cunonia capensis - Ilex mitis community
 - 3.8 Maurocena frangularia - Olea africana community

Refer also to: Moll E J and Campbell B M (eds) 1976. The ecological status of Table Mountain. Department of Botany, University of Cape Town, and: McKenzie B, Moll EJ and Campbell BM 1976. A suggested management plan for the indigenous vegetation of Orange Kloof, Table Mountain, based on a phytosociological survey. South African Forestry Journal 99, 7-12.

48. Middlemiss E 1960. The flora of Rondevlei. Appendix to Nature Reserve and Sanctuary, 9th Annual Report of the Director of Nature Reserves of the Divisional Council of the Cape of Good Hope, 80-136.
1. ALGAL FLORA
 2. FLOATING VEGETATION
 3. EMERGENT VEGETATION
 4. MARGINAL VEGETATION
 5. OUTER MARGINAL VEGETATION
 6. DUNE VEGETATION
49. Milton S J 1978. Plant communities of Andriesgrond Clanwilliam District. Unpublished Report, Habitat Working Group, University of Cape Town, Rondebosch, 1-11. Table.
1. Berkeya fruticosa, Zygophyllum spp., Tetragonia cf. rosea and Didelta spinosa community
 2. Asparagus suaveolens, Didelta spinosa, Eriocephalus racemosus and Rhus dissecta community
 - 2.1 Euphorbia mauritanica community
 - 2.2 Montinia - Cotyledon community

3. Rhus undulata - Asparagus retrofractus community
 - 3.1 Diospyros ramulosa community
 4. Diosma acmaephylla community
 5. Aspalathus acuminata - Nylandtia spinosa community
 - 5.1 Passerina glomerata and Euphorbia burmannii community
 6. Fynbos
 7. Eragrostis spinosa - Carpobrotus community
 8. Riverine vegetation
 9. Swards
50. Moffett R O and Deacon H J 1977. The flora and vegetation in the surrounds of Boomplaas Cave, Gango Valley. South African Archaeological Bulletin 32, 127-145.
1. Dense restioid-proteoid Shrubland
 2. Dense Passerina - Elytropappus Shrubland
 3. Dense Asteroid Shrubland
 4. Dense Elytropappus Shrubland
 5. Limestone Vegetation
 6. Mixed bush
 7. Closed woodland
51. Moss H and Metelerkamp W 1980. Survey of the vegetation of Kapteinskloofberg, with special emphasis on floristic composition and structure. BSc Project, University of Cape Town, Rondebosch, 1-27. Table, photographs, map.
1. Euryops speciosissimus community
 2. Anthospermum aethiopicum community
 3. Serruria community
 4. Montinia caryophyllacea community
 5. Chondropetalum macrocarpum community
 6. Protea laurifolia community
 7. Protea nitida community
 8. Forest community (typified by Heeria argentea)
 9. High altitude restioid community (typified by Restio cuspidatus)
 10. Restio gaudichaudianus community
52. Norton J 1977. Vegetation survey of the Worcester Botanic Gardens. BSc (Hons) Project, University of Cape Town, Rondebosch, 1-38. Map, table, figure.
1. Pteronia paniculata - shrubland
 2. Euphorbia mauretanica - Cotyledon paniculata - sparse succulent shrub
 3. Aloe microstigma - Crassula rupestris - sparse succulent scrub
 4. Euclea undulata - dwarf forest patches
 5. Senecio junceus - dense scrub

6. Elytropappus rhinocerotis - dense shrubland
 7. Passerina obtusifolia - Restio gaudichaudianus - sparse shrub
- 52a. (= 37 on map, Fig. 1) Odendal M J 1978. 'n Floristiese opname van 'n deel van die Jan Marais - Natuurreservaat. BSc (Hons) Project, University of Stellenbosch, Stellenbosch, 1-84. Map, photographs.
1. Grysbosgemeenskap
 2. Grysbosgemeenskap met aangeplante proteas
 3. Proteagemeenskap
53. Odendaal P B 1979. Beleidsmemorandum: Kammanassie Bergopvanggebied. Unpublished report. Department of Forestry, Saasveld Forestry Research Station, 10-24. Map.
1. Vallei - kreupelveld
 2. Waboomveld
 3. Skaliebandveld suid van die waterskeiding
 4. Gemeenskappe van die laer suidelike hange
 5. Gemeenskappe van die hoër suidelike hange
 6. Kruinplantegroei op hoë hoogtes
 7. Bergplatopplantegroei
 8. Gemeenskappe van die noordelike hange
- Refer also to: Odendaal P B, Horne I P and Barnard W H 1979. Beleidsmemorandum: Kammanassie Bergopvanggebied. Unpublished report. Department of Forestry, 27-52.
54. Olivier M C 1966. Die plantegroei en flora van die Worcester Veldreservaat. DSc Thesis, University of Stellenbosch, Stellenbosch, 1-90. Map, photographs.
1. Pteronia paniculata-gemeenskapstipe
 2. Euphorbia mauretanica-gemeenskapstipe
 3. Ruschia caroli-gemeenskapstipe
 4. Passerina obtusifolia-gemeenskapstipe
 5. Pteronia fasciculata-gemeenskapstipe
 6. Lebeckia cytisoides-gemeenskapstipe
 7. Euclea undulata-gemeenskapstipe
55. Olivier M C 1977. A systematic checklist of the spermatophyta of the Baakens River Valley, Port Elizabeth. Journal of South African Botany 43(2), 145-159.
1. Forest and bush
 2. Fynbos

56. Olivier M C 1979. Notes on the vegetation of the Sardinia Bay Area. The Eastern Cape Naturalist 67, 13-14.
1. Rocky shore (community)
 2. Unconsolidated dunes
 3. Embryo dunes
 4. Scrub zone
 5. Coastal fynbos intermingled with scrub
57. Parkman N 1978. A structural-functional classification of the fynbos vegetation of the Bain's Kloof area. BSc (Hons) Project, University of Cape Town, Rondebosch, 1-17.
1. Non-proteoid, broad-leaved woody communities
 - 1.1 Rocky outcrop community
 - 1.2 Boulder ridge community
 - 1.3 Riverine scrub community
 2. Proteoid communities
 3. Ericoid communities
 - 3.1 Short (0,5-1 m) ericoid communities
 4. Ericoid-restioid communities
 5. Restioid communities
 - 5.1 Tall (0,5-1,5 m) restioid communities
58. Priday A J 1977. A management plan for the Groot-Winterhoek Reserve. Unpublished BSc (Forestry) project. Faculty of Forestry, University of Stellenbosch, 1-40. Photographs.
1. Alpine veld
 2. Disturbed veld
 3. Waboom veld
 4. Restio veld
 5. Shrub/Restio veld
 6. Riverine veld
59. Rycroft H B 1953. A quantitative ecological study of the vegetation of Biesievlei, Jonkershoek. PhD Thesis, University of Cape Town, Rondebosch, 1-298.
1. Anthospermum aethiopicum - Leucadendron adscendens Community
 - 1.1 Gentle lower slopes
 - 1.2 Steep upper slopes
 2. Stream Bank Community
 3. Protea pulchella - Erica imbricata Community
 4. Cannamois virgata clumps
 5. Leucadendron adscendens - Restio filiformis Community

6. Rhus angustifolia - other species Community
 7. Cliffortia cuneata - Leucadendron adscendens Community
 8. Corymbium - Gramineae - Bobartia Community
 9. Protea lepidocarpodendron Community
 10. Widdringtonia cupressoides Community
 11. Leucadendron daphnoides Community
 12. Cliffortia cuneata - other species Community
 13. Anthospermum aethiopicum - Cliffortia cuneata Community
60. Rycroft H B 1953. Report on the vegetation of the Kogelberg Forest Reserve. Department of Forestry Report, 1-23.
1. High Altitude Flora
 2. Flora of the Lower Mountain Slopes
 3. Forest
 4. Flora of the Stream Banks
61. Seydack A H W 1977. Omgewingsbestuursplan Staatsbos Goudveld. Unpublished BSc (Forestry) Project. Faculty of Forestry, University of Stellenbosch, 1-171. Photographs.
1. Inheemse Bos
 - 1.1 Baie droë struikbos
 - 1.2 Droë hoogwoud
 - 1.3 Middelvogtige hoogwoud
 - 1.4 Vogtige hoogwoud
 - 1.5 Nat hoogwoud
 - 1.6 Baie nat struikbos
 2. Kunsmatig gevestigde plantegroei
 3. Fynbos
 - 3.1 Hoë Leucadendron eucalyptifolium/Berzelia intermedia-gemeenskap
 - 3.2 Tetraria involucrata-gemeenskap
 - 3.3 Berzelia intermedia-gemeenskap
 - 3.4 Leucadendron uliginosum-gemeenskap
 - 3.5 Ericoiede-gemeenskap
 - 3.6 Rietgemeenskap
62. Seydack A H W and Home I P 1980. Management Plan: Moordkuil River: Mountain Catchment Area. Unpublished report. Department of Forestry, Saasveld Forestry Research Station, 27-54. Map.
1. Tall mid-dense Leucadendron eucalyptifolium shrubland
 2. Tall dense Protea longiflora shrubland
 3. Medium sparse to mid-dense Protea neriifolia shrubland with heath
 4. Tall sparse to mid-dense Leucadendron uliginosum shrubland with a closed to open heath understory
 5. Tall open Erica viridescens heath

6. Low closed Erica spp. heath
 7. Low open Erica spp. heath
 8. Tall open Erica viridescens - Metalsia pulcherrima heath
 9. Low woodland with heath
 10. Riverine community
 11. Forest communities
- 62a. Seydack A H W and Home I P 1980. Bestuursplan: Swartberg-oos. Unpublished report. Department of Forestry, Saasveld Forestry Research Station, 1-41. Map.
1. Fynbostipes
 - 1.1 Natter Protea-gemeenskappe (suidelike hange)
 - 1.2 Natter Protea-gemeenskappe (noordelike hange)
 - 1.3 Droër Protea-gemeenskappe (suidelike hange)
 - 1.4 Droër Protea-gemeenskappe (noordelike hange)
 - 1.5 Bergkruinplantgemeenskappe
 - 1.6 Bergplatoplantgemeenskappe
 - 1.7 Waboomveld
 - 1.8 Dorre fynbos
 2. Karooveldtipes
 - 2.1 Rantestruikveld
 - 2.2 Vetplantagtige Karooveld
 - 2.3 Vetplantagtige bergveld
 - 2.4 Meiringspoort rantestruikveld
 - 2.5 Renosterbosveld
63. Taylor H C 1955. Forest types and floral composition of Grootvadersbos. Journal of South African Forestry Association 26, 33-46. Photographs.
1. The Dry Type
 - 1.1 The Dry Type Association
 - 1.2 The Scrub Association
 2. The Medium-Moist Type
 3. The Moist Type
64. Taylor H C 1961. Ecological account of a remnant coastal forest near Stanford, Cape Province. Journal of South African Botany 23(3), 153-165.
1. THE SUCCESSIONAL COMMUNITIES
 - 1.1 The Tall Sclerophyll: Protea - Leucadendron - Thamnochortus Associates
 - 1.2 The Thamnochortus Reedveld
 - 1.3 The Leucadendron Consocieties
 - 1.4 The Mixed Scrub Associates

2. THE FOREST COMMUNITIES

- 2.1 Calvaria - Euclea Short Forest
- 2.2 Celtis - Olinia - Apodytes Tall Forest

65. Taylor H C 1969. A vegetation survey of the Cape of Good Hope Nature Reserve. MSc Thesis, University of Cape Town, Rondebosch, 1-150. Map, table, photographs.

A. FYNBOS FORMATION

1. COAST FYNBOS ALLIANCE

- 1.1 Erioccephalus Coast-shelf Fynbos Association on well-drained marine sands of the coastal shelf
- 1.2 Dune Mixed Fynbos Association on well-drained aeolian dunes of marine origin
 - (a) Pioneer Dune Mixed Fynbos Sub-Association colonizing open dunes
 - (b) Littoral Dune Mixed Fynbos Sub-Association on stabilized coastal dunes
 - (c) Dwarf Dune Mixed Fynbos Sub-Association on calcrete
 - (d) Thamnochortus erectus Dune Fynbos Sub-Association on inland dunes
 - (e) Ifloga - Petalacte Dune Fynbos Sub-Association on inland sand patches
- 1.3 Helichrysum - Scirpus Marsh Association on poorly-drained coastal flats of marine origin
- 1.4 Coleonema Fynbos Association on well-drained Table Mountain Sandstone coastal cliffs

2. THAMNOCHORTUS DICHOTOMUS INLAND FYNBOS ALLIANCE (on Table Mountain Sandstone)

- 2.1 Upland Mixed Fynbos Association on well-drained rocky hills and mountains
 - (a) Aspalathus - Phylica Scrub Sub-Association on protected rock outcrops
 - (b) Metalasia - Passerina Fynbos Sub-Association on deep, dry sand
 - (c) Elegia - Salaxis Fynbos Sub-Association on coarse, shallow sand over bedrock
- 2.2 Protea lepidocarpodendron Tall Fynbos Association on well-drained ferricrete slopes
- 2.3 Protea arborea Pseudo-Savannah Association on a steep, well-drained, rocky, northerly slope
- 2.4 Restionaceous Plateau Fynbos Association on the drained level plateaus
- 2.5 Restionaceous Tussock Marsh Association on seasonally inundated flats of the plateaus

- 2.6 Berzelia - Osmitopsis Seepage Scrub Association on permanently moist seepage steps demarcating the terraced flats of the plateaus

B. BROAD-LEAVED SCRUB FORMATION

- 3.1 Sideroxylon Scrub Association on dunes of marine origin
 3.2 Maurocena - Linociera Tall Scrub Association on Table Mountain Sandstone slopes and screens

66. Taylor H C 1970. I B P Check sheet for Cedarberg Nature Reserve (Algeria). Unpublished report. Botanical Research Institute.

1. Protea arborea Shrub Savanna
 2. Leucadendron Broad Sclerophyll Scrub

67. Taylor H C 1970. I B P Check sheet for the Marloth Nature Reserve. Unpublished Report. Botanical Research Institute.

1. Cliffortia serpyllifolia Microphyllous Scrub
 2. Tetraria Short Tussock
 3. Leucadendron eucalyptifolium Broad Sclerophyll Shrub Savanna
 4. Protea - Leucadendron Broad Sclerophyll
 5. Elegia asperiflora Short "Grass"
 6. Mesophyllous Evergreen Broad Sclerophyll Forest

68. Taylor H C 1970. I B P Check sheet for the Cape of Good Hope Nature Reserve. Unpublished report Botanical Research Institute.

1. Eriocephalus Coast-shelf Fynbos
 2. Dune Mixed Fynbos
- 2.1 Littoral Dune Mixed Fynbos
 2.2 Dwarf Dune Mixed Fynbos
- (a) Dwarf Dune Mixed Fynbos
 (b) Dwarf Dune Mixed Fynbos - dune slacks dominated by Metalasia muricata
 (c) Dwarf Fune Mixed Fynbos - dune slacks dominated by Leucadendron sabulosum
- 2.3 (a) Thamnochortus erectus Dune Fynbos
 (b) Thamnochortus erectus Dune Fynbos where dwarf shrubs dominate
- 2.4 Ifloga - Petalacte Dune Fynbos
3. Helichrysum - Scirpus Marsh
- 3.1 Helichrysum - Scirpus Marsh where dominated by cyperoid-juncoid plants
 3.2 Helichrysum - Scirpus Marsh where dominated by herbs and soft shrubs

4. Coleonema Fynbos
 5. Upland Mixed Fynbos
 - 5.1 (a) Aspalathus - Phylica Scrub (where Phylica dominates)
 - (b) Aspalathus - Phylica scrub where Aspalathus dominates
 - 5.2 Metalasia - Passerina Fynbos
 - 5.3 Elegia - Salaxis Fynbos
 6. Protea lepidocarpodendron Tall Fynbos
 7. Protea arborea Pseudo-Savanna
 8. Restionaceous Plateau Fynbos
 - 8.1 Leucadendron decorum scattered
 - 8.2 Leucadendron decorum open
 9. Restionaceous Tussock Marsh
 10. Berzelia - Osmitopsis Seepage Scrub
 - 10.1 Berzelia - Osmitopsis Seepage Step
 - 10.2 Psoralea Pseudo-Savanna
 11. Sideroxylon Scrub
 12. Maurocena - Linociera Tall Scrub
69. Taylor H C 1970. I B P Checksheet for the Riversdale Nature Reserve. Unpublished report, Botanical Research Institute.
1. Elytropappus Evergreen Microphyll Shrub Steppe Savannah
 2. Mixed Evergreen Broad Sclerophyll Steppe Scrub
71. Taylor H C 1970. I B P Checksheet for the Robberg Nature Reserve. Unpublished report, Botanical Research Institute.
1. Erica - Phylica Microphyllous Evergreen Steppe Fynbos
 2. Phylica - Passerina Microphyllous Evergreen Steppe Coast Fynbos
 3. Metalasia - Restio Gray Evergreen Microphyllous Shrub, Pseudo-Savannah
 4. Eriocephalus Open Microphyllous Evergreen Scrub
 5. Mesophyllous Evergreen Broad Sclerophyll Mixed Coastal Scrub
72. Taylor H C 1972. I B P Checksheet for the Bontebok National Park. Unpublished report, Botanical Research Institute.
1. Leucadendron - Lanaria
 - 1.1 Cliffortia ruscifolia locally dominant
 - 1.2 Leucadendron almost absent

2. Cliffortia ruscifolia
 - 2.1 Northern portion
 - 2.2 Central portion
 - 2.3 Southwestern portion
3. Protea repens
 - 3.1 P. repens dominant
 - 3.2 Cliffortia ruscifolia dominant
 - 3.3 P. repens scattered
4. Leucadendron - Pelargonium
 - 4.1 Leucadendron - Pelargonium typicum
 - 4.2 Dwarf Leucadendron, scattered Cliffortia
 - 4.3 No Leucadendron
5. Erica diaphana
 - 5.1 Erica diaphana typicum
 - 5.2 Degraded variation
6. Leucadendron of the flats
 - 6.1 Taller phase
 - 6.2 Lower phase, ground cover closed
 - 6.3 Lower phase, ground cover open
 - 6.4 Predominantly grassy with scattered shrubs
7. Renosterbos of the flats
 - 7.1 Typicum
 - 7.2 Grassy variety of the southern flats
 - 7.3 Dry, open variety
8. Renosterbos of the slopes
9. Short Renosterbos - Themeda
10.
 - 10.1 Olea - Chilianthus
 - 10.2 Acacia - Melianthus
 - 10.3 Podocarpus - grass
11. Aloe ferox, dry north slope
12. Acacia karoo
 - 12.1 Tree phase
 - 12.2 Scrub phase
 - 12.3 Savanna phase
13. Podocarpus, riverbank
14. Themeda triandra, floodplain

15. Graminoid flats
- 15.1 Pentascistis dominant
 - 15.2 Restio dominant
73. Taylor H C 1972. I B P Checksheet for the Ebb and Flow Nature Reserve. Unpublished report, Botanical Research Institute.
1. Gorge Scrub Forest
 2. Tall Fynbos (Metalsia)
74. Taylor H C 1972. Notes on the vegetation of the Cape Flats. Bothalia 10, 637-646. Photographs.
1. Inland communities
 - 1.1 Euclea - Rhus Inland Dune Scrub
 - 1.2 Metalsia Inland Dune Fynbos
 - 1.3 Grass-Rush community
 - 1.4 Inland Dwarf Fynbos
 - 1.5 Thamnochortus - Passerina Fynbos of Reddish sands
 2. COASTAL COMMUNITIES
 - 2.1 Pterocelastrus Coast Dune Scrub
 - 2.2 Metalsia Coast Dune Fynbos
 - 2.3 Vegetation of depressions near the coast
 - 2.4 Coast Dwarf Fynbos
75. Taylor H C 1976. Report on the plant ecology of the St Croix coast. Unpublished report. Botanical Research Institute, 1-3.
1. THE PIONEER VEGETATION OF THE COASTAL STRIP
 - 1.1 Scaevola pioneer vegetation of the littoral dunes
 - 1.2 Ficinia Steppe of the calcrete gravel
 2. FOREST INITIALS
 - 2.1 Olea Bush
 - 2.2 Pterocelastrus Bushclumps
 - 2.3 DUNE WOODLAND
 3. SUNDAYS RIVER SCRUB
 4. CALCRETE FYNBOS
 5. THEMEDA GRASSLAND

76. Taylor H C 1979. Impressions of Langeberg Mountain Fynbos on the Swellendam State Forest. Internal Report to the Department of Forestry by the Botanical Research Institute, 1-7.

("It is possible to recognize only the broad structural groupings of vegetation")

1. LANDSCAPE TYPE no 1. South slopes on the coast side of the range
 - 1.1 Basal slopes,
 - 1.2 "Die Plaat,"
 - 1.3 Slope from "Die Plaat" to the top of the ridge.....
 2. LANDSCAPE TYPE no 2. Rocky summit ridges.....
 - 2.1 Rocky summit ridges
 3. LANDSCAPE TYPE no 3. Interior valleys.....
 - 3.1 Deep valleys,.....
 - 3.2 The Zuurplaats shallow high-altitude valley.....
 - 3.3 Shallow lower-altitude valleys,.....
 4. LANDSCAPE TYPE no 4. North slopes.....
 - 4.1 Boulder-strewn upper slopes.....
 - 4.2 Local platforms or corridors.
 - 4.3 Lower slopes.....
77. Taylor H C and van der Meulen F 1980. A phytosociological reconnaissance of the Rooiberg. Unpublished report, Botanical Research Institute, 1-7.
1. COMMUNITIES WITH PREDOMINANTLY NORTHERLY ASPECTS
 2. COMMUNITIES WITH PREDOMINANTLY SOUTHERLY ASPECTS
78. Van der Merwe C V 1970. A short description of the Goukamma Nature Reserve. Department of Nature Conservation Investigational Report No 16, 1-16. Map.

1. Littoral Bush
2. Littoral Shrub
3. Initial stages of Hydrosere
4. Initial stages of Psammasere
5. Plantation of Exotics

79. Van der Merwe C V 1976. Die plantekologiese aspekte en bestuursprobleme van die Goukamma-Natuurreservaat. MSc Thesis, University of Pretoria, Pretoria, 1-27. Photographs, map.

1. Sideroxylon inerme-bosgemeenskap
 - 1.1 Cussonia thyrsoflora-bosgemeenskap
 - 1.2 Fagara davyi(i)-bosgemeenskap
 - (a) Hypoestes verticillaris-variasie
 - (b) Sutera griquensis - Solanum sodomaeum-variasie
2. Helichrysum teretifolium - Metalasia muricata-struikbos-gemeenskap
3. Tetraria cuspidata - Restio eleocharis-fynbosgemeenskap
 - 3.1 Clutia rubicaulis - Erica fourcadei-fynbosgemeenskap
 - (a) Pelargonium betulinum - Erica glumaeiflora-fynbosgemeenskap
 - (b) Indigofera frondosa - Passerina vulgaris-fynbosgemeenskap
 - 3.2 Muraltia squarrosa-kortstruikgemeenskap
 - (a) Eroeda imbricata-kortstruikgemeenskap
 - (b) Scirpus membranaceus - Cliffortia falcata-kortstruikgemeenskap
4. Cyperus compactus - Metalasia muricata-struikgemeenskap
5. Herwinningsgemeenskappe
 - 5.1 Ammophila arenaria-herwinningsgemeenskap
 - 5.2 Acacia cyclops - A. saligna-herwinningsgemeenskap
 - 5.3 Myrica cordifolia - Passerina rigida-herwinningsgemeenskap
 - 5.4 Plantegroei van die windgeute
 - 5.5 Ou lande
6. Strandplantegroei
 - 6.1 Arctotheca nivea-gemeenskap
 - 6.2 Gazania rigens-gemeenskap
 - 6.3 Chironia maritima - Zygophyllum sessilifolium-kortstruikgemeenskap
 - 6.4 Helichrysum felinum - Euclea racemosa-kortstruikbosgemeenskap
7. Plantegroei van die Goukamarivieroewers en- monding
 - 7.1 Stenotaphrum secundatum - Juncus spp.-moerasgemeenskap

8. Plantegroei van die Groenvleimeer
- 8.1 Ondergedompelde of onderwaterplantegroei
- 8.2 Moerasgemeenskappe
- (a) Scirpus littoralis-biesiegemeenskap
 - (b) Typha capensis-rietmoerasgemeenskap
 - (c) Cladium mariscus-rietmoerasgemeenskap
 - (d) Riet-en struikmoerasgemeenskap
- 8.3 Higrofiele oewergemeenskappe
- (a) Stenotaphrum secundatum - Falkia repens-higrofielegemeenskap
 - (b) Conicosa capitata - Helichrysum ericaefolium-gemeenskap
80. Van der Merwe C V 1976. 'n Algemene beskrywing van die De Hoop-Natuurreservaat. Unpublished report, Cape Department of Nature and Environmental Conservation, 1-28. Map, table.
1. Sideroxylon inerme-bos- en struikbosgemeenskap
 2. Rhus glauca - Cassine peragua-struikbosgemeenskap
 3. Euclea crispa-struikbosgemeenskap
 4. Protea obtusifolia - Leuca(n)dendron adscendens-fynbosgemeenskap
 5. Ficinia brevifolia - Chondropetalum rectum-fynbosgemeenskap
 6. Berk(he)ya coriacea - Erica spectabil(1)is-fynbosgemeenskap
 7. Thamnochortus dichotomus - Asparagus capensis-riet en struikveld
 8. Cynodon dactylon - Pentaschistis curvifolia-grasveldgemeenskap
 9. Elytropappus rhinocerotis-kort-struikgemeenskap
 10. Agathosma dielsiana-strandveldgemeenskap
 11. Plantegroei van die los waaisandduine
 12. Acacia cyclops-gemeenskap
 13. Plantegroei van die De Hooppanne
 14. De Hoopvleiplantegroei
81. Van der Merwe C V 1977. 'n Plantegroei beskrywing van die Vrolijkheid-Natuurbeewaringstasie. Unpublished report, Department of Nature and Environmental Conservation, 1-26. Map, table.
1. Euphorbia mauretana - Pentzia incana-heuwelgemeenskap
 2. Pteronia paniculata - Elytropappus rhinocerotis-struikgemeenskap
- 2.1 Cotyledon grandiflorum - Drosanthemum 3056-kortstruikgemeenskap
 - 2.2 Selago spinea-struikgemeenskap
 - 2.3 Boophane sp - Crassula spp -noordhellinggemeenskap
 - 2.4 Danthonia spp - Othonna gymnodiscus-struikgemeenskap
 - 2.5 Heterolepis pendularis - Danthonia spp -gemeenskap

3. Galium aparine - Acacia karroo-riviergemeenskap
82. Van der Merwe C V 1977. 'n Plantegroeiopname van die De Hoop Natuurreservaat. Unpublished report, Cape Department of Nature and Environmental Conservation, 1-29. Table, map.
1. Sideroxylon inerme bos-en-struikbos gemeenskap
 - 1.1 Rhus glanca - Cassine peragua - struikbossubgemeenskap
 - 1.2 Euclea crispa - struikbossubgemeenskap
 2. Protea obtusifolia - Leucadendron adscendens-fynbosgemeenskap
 - 2.1 Ficinia brevifolia - Chondropetalum rectum - (vlakke)-fynbossubgemeenskap
 - 2.2 Berkeya coriacea - Erica spectabilis - (klipduine)-fynbossubgemeenskap
 3. Thamnochortus dichotomus - Asparagus capensis-riet-en struikveld
 4. Cynodon dactylon - Pentaschistis curvifolia-grasveldgemeenskap
 5. Elytropappus rhinocerotis-kortstruikgemeenskap
 6. Agathosma dielsiana-strandveldgemeenskap
 7. Plantegroei van die los waaissandduine
 8. Acacia cyclops-gemeenskap
 9. De Hoop-panne
 10. De Hoopvlei-plantegroei
 - 10.1 Onderwaterplantegroei
 - 10.2 Plantegroei wat gedeeltelik onder water groei
 - 10.3 Oewerplantegroei
 - 10.4 Plantegroei van die klowe wat uitmond in die vlei
 - 10.5 Plantegroei van die varswater fonteinestrome
 - 10.6 Plantegroei van die opgedroogde veli
 - (a) A(n)throcneum africanum - gemeenskap
 - (b) A(n)throcneum africanum - A. natalense - gemeenskap
 - (c) A(n)throcneum africanum - Senecio lanceus - gemeenskap
83. Van der Merwe P 1966. Die flora van Swartboskloof, Stellenbosch en die herstel van die soorte na 'n brand. Annale van die Universiteit van Stellenbosch, 41, Serie A(14), 691-736. Photographs, map.
1. Fynbosgemeenskappe
 - 1.1 Sandsteengraniet-gemeenskappe
 - 1.2 Sandsteengemeenskappe
 - 1.3 Granietgemeenskappe
 - 1.4 Humusgemeenskappe
 - 1.5 Moerasgemeenskappe

2. Woudgemeenskappe
 - 2.1 Oewergemeenskappe
 - 2.2 Dasbosse of woude op talus

84. Van der Zee D W and Kruger F J 1975. Results of the multiple catchment experiments at the Jonkershoek Research Station, South Africa. 2. Influence of protection of fynbos on stream discharge in Langrivier. Forestry in South Africa, 16, 13-18.
 1. Mesophyllous open evergreen broad sclerophyllous scrub
 2. Open microphyllous evergreen scrub
 3. Open evergreen microphyllous dwarf scrub
 4. Evergreen broad sclerophyll shrub savanna
 5. Evergreen sclerophyll tall grass and short grass

85. Van Wilgen B 1974. A management plan for Paarl Mountain Nature Reserve. Honours project, Department of Nature Conservation, University of Stellenbosch, Stellenbosch, 1-54. Map.
 1. Mesophyllous open evergreen broad sclerophyll scrub
 2. Seasonal orthophyll meadows
 3. Mesophyllous evergreen broad sclerophyll scrub
 4. Mesophyllous open evergreen broad sclerophyll shrub
 5. Mesophyllous evergreen broad sclerophyll scrub
 6. Open evergreen orthophyll dwarf scrub
 7. Evergreen sclerophyll shrub steppe savanna
 8. Mesophyllous open evergreen broad sclerophyll scrub
 9. Evergreen sclerophyll scrub with trees
 10. Mesophyllous evergreen broad sclerophyll scrub
 11. Mesophyllous open evergreen broad sclerophyll scrub
 12. Mesophyllous open evergreen broad sclerophyll scrub
 13. Gray microphyllous evergreen scrub
 14. Mesophyllous evergreen broad sclerophyll scrub
 15. Mesophyllous open evergreen broad sclerophyll scrub
 16. Mesophyllous open evergreen broad sclerophyll scrub
 17. Open microphyllous evergreen scrub
 18. Seasonal orthophyll meadows
 19. Evergreen orthophyll short grass
 20. Same as no 7
 21. Mesophyllous open evergreen broad sclerophyll scrub
 22. Evergreen broad sclerophyll shrub savanna
 23. Gray microphyllous evergreen scrub
 24. Evergreen sclerophyll scrub
 25. Mesophyllous evergreen broad sclerophyll scrub
 26. Open microphyllous evergreen scrub
 27. Same as no 16
 28. Mesophyllous open evergreen broad sclerophyll scrub
 29. Mesophyllous open evergreen broad sclerophyll scrub
 30. Mesophyllous open evergreen broad sclerophyll scrub
 31. Gnarled evergreen mossy forest

86. Weisser P J 1979. Report on the vegetation of the Wilderness Lakes and the macrophyte encroachment problem. Cyclostyled report, Botanical Research Institute, 1-72. Map, photograph.

1. SUBMERGED VEGETATION

- 1.1 Characeae Community
 1.2 Enteromorpha sp.
 1.3 Najas marina/Ceratophyllum demersum/Potamogeton pectinatus Community
 1.4 Potamogeton pectinatus and/or Ruppia spiralis Community
 1.5 Ruppia spiralis/Characeae Community

2. EMERGENT AQUATIC AND SEMI-AQUATIC VEGETATION

- 2.1 Cladium mariscus var. jamaicense Community
 2.2 Cotula coronopifolia Community
 2.3 Paspalum vaginatum Community
 2.4 Phragmites australis Community
 2.5 Scirpus littoralis Community
 2.6 Scirpus maritimus Community
 2.7 Scirpus sp. (P. J. Weisser 6976) Community
 2.8 Sedge marsh
 2.9 Typha latifolia subsp. capensis Community

3. TERRESTRIAL VEGETATION

- 3.1 Grassland (cultivated land and/or old lands)
 3.2 Juncus kraussii Community
 3.3 Scirpus nodosus Community
 3.4 Low scrub
 3.5 Natural or alien scrub or tree
 3.6 Afforestation

87. Van Zyl J L de V 1977. Bewaringsplan vir Vier-en-Twintigriviere Wateropvanggebied. Unpublished BSc (Forestry) project, Forestry Faculty, University of Stellenbosch, 1-57. Photographs, maps.

1. Alpineveld
 2. Rietveld
 3. Struikrietveld
 4. Waboom (Protea arborea/P. laurifolia veld)
 5. Rivieroewerplantegroei
 6. Versteurde veld

88. Werger M J A, Kruger F J and Taylor H C 1972. A phytosociological study of the Cape fynbos and other vegetation at Jonkershoek, Stellenbosch. *Bothalia* 10, 599-614. Table, photographs.

1. Fynbos

- 1.1 Protea arborea - Rhus angustifolia Community
- 1.2 Brunia nodiflora - Psoralea rotundifolia Community
- 1.3 Thamnochortus gracilis - Hypodiscus aristatus Community
- 1.4 Restio perplexus Community
- 1.5 Berzelia lanuginosa - Osmitopsis asteriscoides Community

2. Riverine Scrub and Forest

- 2.1 Brabeium stellatifolium Community
- 2.2 Rapanea melanophloeos Community
- 2.3 Heeria argentea Community

See also: Werger M J A, Kruger F J and Taylor H C 1972. Pflanzensoziologische studie der fynbosvegetation am Kap der Guten Hoffnung. *Vegetatio* 24, 1-3, 71-89. Photographs.

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35. *South African Antarctic Research Programme, 1978-1982. SASCAR. December 1978. 39 pp. Out of print but partially replaced by No 50.
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46. South African legislation with respect to the control of pollution of the sea. André Rabie. January 1981. 73 pp.
47. Terrestrial ecology in South Africa and South West Africa - project abstracts for 1979. May 1981. 107 pp.
48. A bibliography of seabirds in the waters of southern Africa, the Prince Edward and Tristan Groups. J Cooper and R K Brooke. December 1981. 297 pp.
49. National Geoscience Programme. The Evolution of Earth Resource Systems. SACUGS. June 1981. 42 pp.
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53. A bibliography of fynbos ecology. M L Jarman, R M Cowling, R Haynes, F J Kruger, S M Price and G Moll. August 1981. 73 pp.
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