



# Threatened plants of Southern Africa

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AV Hall, M de Winter, B de Winter and S A/M van Oosterhout

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PREFACE

The increasing threat to the survival of southern Africa's wild plants and animals is a problem of enormous magnitude. Steps are being taken within the National Programme for Environmental Sciences, one of several cooperative scientific programmes in South Africa administered by the CSIR, to collect data on threatened species, to promote research on them and to assist in finding the best ways to conserve them. This report is a first attempt to assess the threatened plant problem in southern Africa. It is a product of both an intensive survey in the Cape Province, and a preliminary compilation of data for the rest of southern Africa. It has been made both to assist conservation authorities in the region and to provide lists for the International Union for the Conservation of Nature and Natural Resources (IUCN). The lists are compatible with those being published for other parts of the world for the IUCN Threatened Plants Committee.

The report deals with Angiosperms, Gymnosperms and Pteridophytes, but not Bryophytes, Algae and Fungi, the taxonomy and distributions of which are still too poorly known. It deals with the area covered by the Flora of Southern Africa, which includes all of continental southern Africa south of (but excluding) Angola, Zimbabwe and Mozambique.

The plants listed include those known to be recently extinct in the wild (a few of these may still exist in some form in cultivation); endangered, vulnerable and critically rare taxa (these categories are jointly termed threatened); as well as many with either an indeterminate threatened status or probably threatened.

Three lists are provided. The first is an alphabetical list of threatened taxa within families; the second is a list for each political area (country or province) with its own conservation authority; and the third is a list for each degree-'square', taken as one degree of latitude by one degree of longitude. For each list, a distinction is made between the taxa endemic and non-endemic to the area in question (southern Africa in the first list, each country or province in the second and each degree-square in the third). The lists are cross-referenced by an index.

Future lists will doubtless show many changes. Some species were not included because they were too poorly known. Of those listed, several have shown changes of status, usually for the worse, during the preparation of this report.

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PROPOSALS FOR NEXT EDITION

Proposals are invited for additions, deletions and changes to the lists for inclusion in the next edition of this report. Proposals, with supporting data, should be sent to:

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#### ABSTRACT

Lists are provided of 1 915 vascular plant taxa regarded to be either extinct or variously threatened in southern Africa, the region south of (but excluding) Angola, Zimbabwe and Mozambique. These include 39 recently extinct taxa, 105 endangered, 166 vulnerable and declining, 537 critically rare, 261 indeterminate but in one of the above categories, and 807 uncertain whether safe or not. Statistics and lists are given of the plants grouped by families, for countries and provinces, and for degree square areas. Methods and schedules used in the study of threatened plants and habitats are described. The findings are discussed in relation to the conservation strategies needed, in particular in the Cape Floristic Kingdom area which appears to be a major crisis zone for the loss of genetic diversity.

#### SAMEVATTING

Lyste word voorsien van 1 915 vaatplant-taksa wat beskou word as of uitgesterf of op een of ander manier bedreig in Suider-Afrika, die gebied suid van, maar wat Angola, Zimbabwe en Mosambiek uitsluit. Dit bevat 39 taksa wat onlangs uitgesterf het, 105 in gevaar, 166 kwesbaar en dalend, 537 krities skaars, 261 onbepaald maar in een van die vorige kategorieë, en 807 onseker of hulle veilig is of nie. Statistieke en lyste word gegee van die plante volgens families, volgens lande en provinsies en volgens graadkwadraatgebiede. Metode en opgawe-skemas vir die studie van bedreigde plante en habitatte word beskryf. Die bevindinge word aan die hand van bewaringstrategieë bespreek wat veral in die gebied van die Kaapse Floristiese Koninkryk benodig word.





## TABLE OF CONTENTS

	Page
Preface .....	(iii)
Acknowledgements .....	(iv)
Abstract .....	(vii)
Samevatting .....	(vii)
INTRODUCTION .....	1
METHODS .....	3
DEFINITIONS .....	9
ALPHABETICAL LIST OF THREATENED TAXA IN SOUTHERN AFRICA .....	10
LISTS OF THREATENED TAXA BY COUNTRY/PROVINCE .....	78
South West Africa / Namibia .....	78
Botswana .....	79
Transvaal .....	79
Bophuthatswana .....	82
Swaziland .....	82
Orange Free State .....	83
Natal .....	83
Lesotho .....	85
Transkei .....	86
Cape Province .....	87
LISTS OF THREATENED TAXA IN DEGREE AREAS WITHIN EACH COUNTRY/PROVINCE .....	103
South West Africa / Namibia .....	103
Botswana .....	108
Transvaal .....	109
Bophuthatswana .....	116
Swaziland .....	116
Orange Free State .....	117
Natal .....	118
Lesotho .....	123
Transkei .....	123
Cape Province .....	125

DISCUSSION OF FINDINGS .....	157
CONSERVATION PERSPECTIVES .....	167
Why conserve? .....	167
Conservation strategies .....	170
CONCLUSIONS .....	174
REFERENCES .....	176
INDEX .....	180
TITLES IN THIS SERIES .....	242

## INTRODUCTION

The lists of threatened plants in this report were drawn up as part of a world-wide study promoted by the IUCN Threatened Plants Committee. The study arose from a concern about the apparently rising rates of extinction among the world's plants, apparently mostly caused by human disturbance and as signs of humanity's neglectful treatment of nature. The finality of the process is shown by the title of a recent book, Extinction is forever (Prance and Elias 1977). Once destroyed, the enormous complexity of a species cannot be re-created. Its potential for enriching the lives of other plants and animals, and humanity, becomes lost for all time.

The habitats needed by many wild species are shrinking drastically. By the early 1970's, 40 percent of the tropical moist forests had been lost and their area was shrinking by about eleven million hectares a year (Sommer 1976). This annual area of loss is equivalent to the whole of Liberia, or about four times that of Lesotho. By the year 2 000, most of the world's tropical humid forests will have been destroyed or disrupted by massive rates of exploitation (Myers 1976). Habitat destruction on this scale endangers many plants. Raven (1976) has estimated that about 50 000 species, or 30 percent of the world's tropical flowering plants, will reach endangered or extinct status by the end of the century. In temperate latitudes, habitat changes have already created pressures on a vast scale. These have mainly come about through replacement land-uses such as urban growth, farming and commercial forestry.

The socio-economic forces driving both the exploitation of nature and habitat destruction are deeply fixed. There are the rising demands of increasing human populations; the large commercial operations using natural plant life, often based in wealthier countries and acting multi-nationally; and the ever greater need to combat poverty and starvation in poorer countries where wild plants are exploited for their products and financial gain. Deflecting these forces away from nature amounts to an almost insoluble challenge (Eckholm 1978) and one may expect the loss of species to continue for a long time. Wealthier countries are able through research and conservation action to provide habitats in which threatened taxa might survive not only the next fifty years but the changes that might be expected in the next thousand years or more. Poor countries, however, are much less fortunate in this respect.

Pressures on wild plants and animals are widespread throughout Africa. The prime cause of this is a high rate of human population growth. Africa's 1976 population of 400 million persons is likely to double in only 27 years, by the year 2003. Until recently, South Africa had one of the highest growth rates for its population in the world, a monthly increase of about 60 000 persons (Talbot 1978). There are now encouraging signs of a fall in birth-rates, following a trend seen in many other countries but apparently not elsewhere in Africa (Population Reference Bureau 1976). Although most of the population increase in South Africa is in the towns and cities, increased populations rely on major construction projects and on greater production of food and other

essentials from the countryside, so that human land uses have to be made more intensive and to extend further into wild areas.

Without a large increase in effort in plant conservation in southern Africa, many more species will come to be at risk and within a short time, vanish. The territory being considered here is about 267 million hectares in area, which supports some 17 500 species of vascular plants. Of concern on a world scale is the worsening status of the Cape Floristic Kingdom, a distinct flora that lies in a narrow strip on the southern and south-western coast of the subcontinent. Here, some 6 000 species are concentrated in relict patches totalling 1,8 million hectares and about 70 percent of these species are found nowhere else (Good 1964, Hall 1978, Goldblatt 1978). Rich in endemics and forming one of the world's six major assemblages of plant life, many of its species are now threatened. Owners of wild land, officials and scientists have a heavy responsibility in looking after this vegetation, which is probably the most concentrated genetic resource in the world.

Surveys of threatened and rare plants for this report began in 1974 in the Cape Province and were later extended to the Transvaal and the Orange Free State. In order to extend the lists to other parts of southern Africa, surveys of herbarium records were undertaken and the advice of a number of specialists was sought. Some plants have long been known to be rare or threatened. For others, the information is scanty and urgently in need of amplification. This is reflected in the large number of taxa classified in the I (indeterminate) and U (uncertain whether safe or not) categories. Justification for including these is confirmed by field work in the Cape Province which is showing that well over half of the former U-category cases are turning out to be threatened.

## METHODS

### PROCEDURES FOLLOWED IN DRAWING UP THE LISTS

Herbarium records, literature and the advice of numbers of specialists form the chief basis of the list of threatened and rare species in this report. The list is probably far from complete in some areas, but it represents the best available data. The large numbers of plants in the I (indeterminate) and U (uncertain whether safe or not) categories reflect an approach that may have erred to the cautious side rather than risking over-statement. For example, the lists for the eastern Cape may only weakly reflect the rising pressures there on rare plants, due to an out-of-date image caused by a lack of recent herbarium collecting (A F M Jacot Guillarmod pers comm). A frequent problem was the immature state of the taxonomy. Where this was encountered, a positive effort was made to exclude taxa that were doubtfully distinct. In especially difficult cases, such as the Mesembryanthemaceae, it may be found that numbers of species will have to be added to future lists for this reason. Subspecies and varieties have been listed where it was felt that their populations showed both differing status levels and significantly distinct elements of genetic diversity. Records in the X, E, V and R categories (extinct, endangered, vulnerable and rare) are generally backed by recent field knowledge. Intensive studies of threatened plants and their habitats are helping to give an understanding of the strategies needed for their conservation. This work has been started on a small scale and needs to be more widely taken up elsewhere.

### FIELD SURVEYS

For the many species concentrated in the south and south-western Cape, it was found necessary to provide an efficient information-handling system. This was carried out as follows. For each of the 1 500 species in the Cape survey, a file was made. This held, besides notes and maps, an A4-sized data card that could be slipped into a transparent folder and taken into the field. The card carried an illustration of the plant, a description, notes for distinguishing similar species, and statements on ecology, localities and dates of former collections. The local area of each site was given in terms of 0,25 x 0,25 degree units of latitude and longitude, after Edwards and Leistner (1971). The records of plants at the sites, totalling about 4 000 for the Cape, could then be indexed and used on a systematic basis. A small computer program was written for this, based on the BOLIR system for specimen-label data (Hall 1972, Hall in press). The program acted on a data-base in which a separate summary was given of each of the 4 000 records. Each summary was compressed into the fields of an 80-column card and gave no more than a single line on output. This conformed to the strategy of keeping the manuscript files as the basic store of information, the computer being given no more than was necessary for its role in indexing and sorting. The system gives a continually up-to-date source of guides for expeditions. Along any chosen route, it could list the species likely to be in flower in each 0,25 x 0,25

degree unit of latitude and longitude, at a particular time of the year. For each species, the computer printed a brief statement of the locality-names, the year last seen, and the ranges of months of both maximum and occasional flowering.

Studies at the sites of threatened and rare plants are aided by a standard checklist of items to be examined. The checklist used for the Cape Province survey is shown in Table 1. It owes its origin to a more detailed document developed at a Conference at the New York Botanical Garden in 1977 (Henifin et al in press).

#### HABITATS

The checklist in Table 1 was modified for use with threatened and rare habitats. The plants restricted to such habitats and unable to survive without them will themselves be rare or threatened. Reports on such plants become more significant if they are given in the context of a comparative habitat study. As an example, north of Cape Town there is a cluster of areas of a relict coastal fynbos habitat, totalling 4 500 hectares. The habitat is under immediate threats that could rapidly bring it to virtual extinction. It formerly covered about 600 000 hectares on the coastal plain and had been severely reduced by conversion to farmland and by replacement by invasive, thicket-forming exotics. The relict was found to carry a total of 28 species that were either rare or nearing extinction. The checklist used for threatened habitats is given in Table 2.

Table 1. Standard checklist of items investigated for each report on a threatened or rare plant species, after Henifin et al (in press).

---

SCIENTIFIC NAME, STATUS, ACTION PRIORITY	Exposure, slope and aspect ranges
NOMENCLATURE	Edaphic factors including soil moisture
Family: scientific name, synonyms, common names	Habitat dynamics
Species: scientific name, synonyms, common names	Other habitat features of special interest
LEGAL STATUS FOR PROTECTION	POPULATION BIOLOGY
National	Number of known populations
Provincial	Numbers of individuals in each population
Other	Types of reproduction
DESCRIPTION	Age-class structure
Field characters	Flowering and fruiting periods
Brief diagnostic description	Dispersal mechanisms
Look-alikes, if any, with distinctive features	Pollinators
TAXONOMIC PROBLEMS, IF ANY	Other biological factors
GEOGRAPHICAL DISTRIBUTION	Vigour, trends and status of known populations
Historical	RECOMMENDED ESSENTIAL HABITATS
Present known distribution	Geographical boundaries essential to the survival of the taxon, including buffer zones and areas for required associates (such as pollinators and dispersers of seed) and areas through which associated animals migrate
Other possible natural sites	
HABITAT DESCRIPTION	THREATS TO SURVIVAL
Community structure	Existing threats, with an indication of the destructive strength of each
List of associated plants	Potential threats that may develop in the future
Altitude ranges	

LAND OWNERSHIP AND STATUS

Owners and lessees of land bearing essential habitats

Legal status of this land

MANAGEMENT TO PROMOTE SURVIVAL OF THE TAXON

Action already taken

Suggestions for optimal action

Suggestions for alternative actions

CULTIVATION, SEED-STORAGE

Likelihood of present or potential maintenance of the taxon in cultivation

Locations, sizes, conditions and purposes of populations at present in cultivation

Arrangements, if any, made for seed storage and known or potential conservation value

SIGNIFICANCE OF TAXON

Evolutionary and ecological significance

Aesthetic, horticultural, agricultural, silvicultural, medicinal, economic, recreational and scientific significance

SPECIALISTS

Names and addresses of those knowledgeable about the taxon

REFERENCES

List of published and unpublished references

APPENDICES

Copies of distribution maps, illustrations, original descriptions, floristic or monographic distributions, and if possible, popular literature

List of herbarium specimens giving label data and herbarium location

Map showing known distribution of populations and the boundaries of essential habitats and recommended buffer zones

AUTHOR OF REPORT AND DATE

Name and address of author, and date

OTHER SOURCES USED

Sources of information if other than any individual or reference cited above

ACTION REQUIRED BY FUTURE SURVEY TEAMS

Suggested interval for successive visits

Persons being informed of the need for conservation action, as expressed in this report

Other action

RECOMMENDED STATUS

World status in terms of IUCN definitions

Country or region status in terms of IUCN definitions

URGENCY FOR CONSERVATION

Statement of whether priority is maximum, high, medium or low, or whether monitoring alone is required



Table 2. Checklist of items investigated for each report on a threatened or rare habitat, developed from Henifin et al (in press).

HABITAT NAME, STATUS, ACTION PRIORITY	SIGNIFICANCE OF THE HABITAT
LOCATION OF HABITAT	Evolutionary and ecological significance
Description by place-names	Significance of contained threatened or rare plants and animals
Description by longitudes and latitudes	Scientific, educational, aesthetic, recreational, economic or other significance
IDENTIFICATION OF HABITAT	PRESSURES ON THE HABITAT
Distinctive features of habitat	For each community within the habitat:
Distinctive features of look-alikes	Name of community
PHYSICAL FEATURES	Historical distribution
Topography	Presently known distribution and trends
Geology, soils and drainage	Other possible sites
Climate	Pressures, with strengths and rates of impact
Other physical features	Likely future pressures
BIOTIC FEATURES	Effect of pressures on the inter-community systems
For each community within the habitat:	RECOMMENDED STATUS OF THE HABITAT
Name of community	Either endangered, vulnerable and declining, rare, indeterminate, uncertain whether safe or not, in the same sense as used by the IUCN for threatened or rare species (refer to page 9)
Chief dominants and structures	
Special physical features	
Successional features	
Invasive alien species	
Threatened or rare species	BOUNDARIES RECOMMENDED FOR CONSERVATION OF THE HABITAT
Inter-dependance between communities	Primary area and its buffer-zones

Supplementary areas and their  
buffer-zones

SPECIALISTS KNOWLEDGEABLE ABOUT  
THE HABITAT

Possible alternative areas and  
their buffer-zones

Names, addresses and special  
interests

OWNERSHIP, STATUS AND USES OF LAND  
WITHIN PROPOSED HABITAT BOUNDARIES

REFERENCES ABOUT THE HABITAT

History

Lists of published and unpublished  
references

Legal status

OTHER SOURCES USED

Present owners and lessees

Sources of information if other  
than any individual or reference  
cited above

Current land-use

Possible future land-uses

Recommended changes for ownership,  
legal status and land-use

AUTHOR OF REPORT AND DATE

Author's name, address and date of  
report

RESEARCH AND MANAGEMENT  
RECOMMENDATIONS

APPENDICES

Research priorities with dates  
for completion

Copies of source documents, maps  
and diagrams giving background on

Management priorities with dates  
for completion

Physical features

General biotic features

URGENCY FOR CONSERVATION ACTION

Threatened and rare species

Either maximum, high, medium or  
low, with an indication of the  
date by which conservation action  
should be fully under way

Detailed map of recommended habitat  
areas for conservation, showing  
primary area, supplementary areas  
and buffer-zones, with possible  
alternatives; the map also to show  
landmarks and ownership

REGIONAL LISTS

The lists of threatened and rare plants in administrative regions and  
1 x 1-degree areas were prepared using the computer data-bank noted  
above. A small suite of programs was written that allows the listing  
of species alphabetically by category for each region.

The programs also determine whether the listed species is endemic to the  
region or not. Although some adjustments are needed where the  
boundaries of administrative regions cross degree squares, the system  
has provided a valuable aid. The index to all the entries in the  
lists, and to other items, was also given by the computer programs.

## DEFINITIONS OF CONSERVATION STATUS CATEGORIES AND OTHER TERMS USED

### CONSERVATION STATUS CATEGORIES

The various states of threat and rarity are defined for this report to follow the standards of the International Union for the Conservation of Nature and Natural Resources. Two of the code-letters have been changed for easier use (X=Ex, U=K). The term threatened is used in a general way to include all of the categories Extinct, Endangered, Vulnerable and Rare.

- X: EXTINCT No longer known to exist in the wild, after repeated searches of all former and other possible localities. This category is also used for species that have vanished in the wild but survive in at least some form in cultivation.
- E: ENDANGERED In immediate danger of extinction if the causal factors continue operating. Included are taxa whose populations are so critically reduced, that a breeding collapse due to a lack of genetic diversity becomes possible, whether or not they are threatened by human activity.
- V: VULNERABLE AND DECLINING Used for a plant that was recently more widespread, but is on the decline, and is likely to become endangered if the causal factors for its decline continue operating.
- R: RARE Used for a plant with a relatively small world population that is not declining and is under no known immediate threat. Because of its rarity, the plant should be checked regularly for a decline due to some unexpected pressure.
- I: INDETERMINATE A temporary category for plants that are known to be either endangered, vulnerable or rare, but due to lack of study, cannot yet be placed convincingly in one category in preference to another.
- U: UNCERTAIN WHETHER SAFE OR NOT A temporary category for plants that are so little known that there is an even chance that they could prove to be safe.
- nt: NEITHER RARE NOR THREATENED Used for the world status of plants believed to be neither rare nor threatened where they occur naturally elsewhere. The plants are listed in this report because their populations in southern Africa are significant in some respect, and are threatened or rare within the territory.
- e/ne: ENDEMIC, NON-ENDEMIC Used in a separate column to show whether a plant is, or is not, confined to within the area in question in that list. In the first list, endemism refers to southern Africa, in the second list to the country/province in question and in the third list to the degree square in question.

## ALPHABETICAL LIST OF THREATENED TAXA IN SOUTHERN AFRICA

Taxa are listed alphabetically by families. The conservation status categories for southern Africa and the world are defined as on page 9: X = extinct, E = endangered, V = vulnerable, R = rare, I = indeterminate, U = uncertain, nt = not threatened. The letters e and ne in the central code-column of this table represent endemic and non-endemic to southern Africa, respectively. Southern Africa is taken as the area south of and excluding Angola, Zimbabwe and Mozambique.

	Southern Africa	Endemic/ Non-endemic	World
<b>ACANTHACEAE</b>			
<i>Anisotes sessiliflorus</i> C.B. Cl.	R	ne	nt
<i>Barleria albopilosa</i> Hainz	U	ne	U
<i>Barleria ameliae</i> A. Meeuse	U	ne	U
<i>Barleria argillicola</i> Oberm.	R	e	R
<i>Barleria media</i> C.B. Cl.	R	e	R
<i>Barleria megalosiphon</i> Mildbr.	R	ne	R
<i>Barleria oxyphylla</i> Lindau	U	e	U
<i>Blepharis inermis</i> C.B. Cl.	U	e	U
<i>Duvernoia aconitiflora</i> A. Meeuse	U	ne	U
<i>Macrorungia longistrobus</i> C.B. Cl.	U	ne	R
<i>Ruspolia hypocrateriformis</i> (Vahl) M.-Redh. var <i>australis</i> M.-Redh.	U	e	U
<i>Sclerochiton triacanthus</i> A. Meeuse	U	e	U
<b>ADIANTACEAE</b>			
<i>Cheilanthes depauperata</i> Baker	U	e	U
<i>Pellaea namaquensis</i> Baker	U	e	U
<i>Pellaea rufa</i> A.F. Tryon	U	e	U
<b>AMARYLLIDACEAE</b>			
<i>Apodolirion lanceolatum</i> Benth.	R	e	R
<i>Brunsvigia litoralis</i> R.A. Dyer	E	e	E
<i>Brunsvigia undulata</i> Leighton	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Carpolyza spiralis</i> (L'Hérit.) Salisb.	U	e	U
<i>Clivia caulescens</i> R.A. Dyer	R	e	R
<i>Clivia gardenii</i> Hook.	I	e	I
<i>Clivia miniata</i> Regel	I	e	I
<i>Clivia nobilis</i> Lindl.	R	e	R
<i>Crinum acaule</i> Bak.	R	e	R
<i>Crinum baumii</i> Harms	R	ne	R
<i>Crinum campanulatum</i> Herb.	R	e	R
<i>Crinum carolo-schmidtii</i> Dinter	I	ne	U
<i>Crinum crassicaule</i> Bak.	R	ne	U
<i>Crinum euchrophyllum</i> Verdoorn	R	ne	U
<i>Crinum kirkii</i> Bak.	R	ne	nt
<i>Crinum lineare</i> L.f.	R	e	R
<i>Crinum nerinoides</i> Bak.	U	e	U
<i>Crinum rautanenianum</i> Schinz	R	ne	R
<i>Cyrtanthus attenuatus</i> R.A. Dyer	U	e	U
<i>Cyrtanthus bicolor</i> R.A. Dyer	R	e	R
<i>Cyrtanthus clavatus</i> (L'Herit.) R.A. Dyer	R	e	R
<i>Cyrtanthus epiphyticus</i> J.M. Wood	U	e	U
<i>Cyrtanthus erubescens</i> Killick	R	e	R
<i>Cyrtanthus eucallus</i> R.A. Dyer	R	e	R
<i>Cyrtanthus falcatus</i> R.A. Dyer	R	e	R
<i>Cyrtanthus flavus</i> Barnes	U	e	U
<i>Cyrtanthus guthrieae</i> L. Bol.	V	e	V
<i>Cyrtanthus helictus</i> Lehm.	R	e	R
<i>Cyrtanthus herrei</i> (Leighton) R.A. Dyer	R	e	R
<i>Cyrtanthus huttoni</i> Bak.	R	e	R
<i>Cyrtanthus junodii</i> Beauverd	U	e	U
<i>Cyrtanthus loddigesianus</i> (Herb.) R.A. Dyer	R	e	R
<i>Cyrtanthus nutans</i> R.A. Dyer	R	e	R
<i>Cyrtanthus rectiflorus</i> Bak.	U	e	U
<i>Cyrtanthus smithii</i> Watt ex. Harv.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Cyrtanthus spiralis</i> Burch.	V	e	V
<i>Cyrtanthus staadensis</i> Schonl.	V	e	V
<i>Cyrtanthus suaveolens</i> Schonl.	U	e	U
<i>Cyrtanthus thorncroftii</i> C.H. Wright	R	e	R
<i>Gethyllis herrei</i> L. Bol.	U	e	U
<i>Gethyllis multifolia</i> L. Bol.	V	e	V
<i>Gethyllis unilateralis</i> L. Bol.	U	e	U
<i>Haemanthus amarylloides</i> Jacq.	V	e	V
<i>Haemanthus avasmontanus</i> Dinter	U	e	U
<i>Haemanthus canaliculatus</i> Levyns	V	e	V
<i>Haemanthus nortieri</i> Isaac	U	e	U
<i>Hessea chaplinii</i> Barker	V	e	V
<i>Hessea karooica</i> Barker	R	e	R
<i>Hessea leipoldtii</i> L. Bol.	R	e	R
<i>Hessea matthewsii</i> Barker	V	e	V
<i>Hessea unguiculata</i> Barker	U	e	U
<i>Klingia namaquana</i> Schonl.	U	e	U
<i>Nerine bowdenii</i> Watson	U	e	U
<i>Nerine gibsonii</i> Douglas	R	e	R
<i>Nerine gracilis</i> R.A. Dyer	R	e	R
<i>Nerine huttoniae</i> Schonl.	U	e	U
<i>Nerine masonorum</i> L. Bol.	U	e	U
<i>Nerine pancratioides</i> Bak.	U	e	U
<i>Nerine platypetala</i> McNeil	U	e	U
<i>Nerine pudica</i> Hook.	R	e	R
<i>Spiloxene declinata</i> (Nel) Garside	I	e	I
<i>Spiloxene maximiliani</i> Schltr.	U	e	U
<i>Spiloxene umbraticola</i> Schltr.	U	e	U
<i>Strumaria picta</i> Barker	U	e	U
<i>Strumaria salteri</i> Barker	U	e	U
<i>Strumaria watermeyeri</i> L. Bol.	U	e	U

ANACARDIACEAE

<i>Ozoroa concolor</i> (Presl ex Sond.) De Wint.	U	e	U
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	Southern Africa	Endemic/ Non-endemic	World
<i>Ozoroa insignis</i> Del. ssp. <i>latifolia</i> (Engl.) R. Fernandes	U	e	U
<i>Rhus batophylla</i> Codd	U	e	U
<i>Rhus crispa</i> (Engl.) Harv. ex Schonl.	R	e	R
<i>Rhus krebsiana</i> Presl ex Engl.	U	e	U
<i>Rhus rogersii</i> Schonl.	R	e	R
ANNONACEAE			
<i>Friesodielsia obovata</i> (Benth.) Verdc.	U	ne	nt
<i>Uvaria lucida</i> Benth. ssp. <i>virens</i> (N.E. Br.) Verdc.	U	ne	nt
<i>Xylopia odoratissima</i> Welw. ex Oliv.	U	ne	nt
<i>Xylopia parviflora</i> (A. Rich.) Benth.	R	ne	nt
APOCYNACEAE			
<i>Adenium boehmianum</i> Schinz	U	ne	nt
<i>Adenium obesum</i> (Forsk.) Roem. et Schult.	I	ne	nt
<i>Adenium oleifolium</i> Stapf	I	e	I
<i>Adenium swazicum</i> Stapf	I	e	I
<i>Holarrhena pubescens</i> (Buch.-Ham.) Wall	R	ne	nt
<i>Pachypodium namaquanum</i> (Wyley ex Harv.) Welw.	V	e	V
<i>Pachypodium saundersii</i> N.E. Br.	I	e	I
<i>Strophanthus kombe</i> Oliv.	U	ne	nt
<i>Strophanthus luteolus</i> Codd	R	ne	R
APONOGETONACEAE			
<i>Aponogeton ranunculiflorus</i> Jacot-Guill. & Marais	V	e	V
ARACEAE			
<i>Zantedeschia albomaculata</i> (Hook.) Baill. ssp. <i>valida</i> Letty	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Zantedeschia jucunda</i> Letty	U	e	U
<i>Zantedeschia pentlandii</i> (Watson) Wittm.	R	e	R
ARECACEAE (PALMAE)			
<i>Borassus aethiopicum</i> Mart.	R	ne	nt
<i>Borassus caffra</i> Becc.	R	e	R
<i>Jubaeopsis caffra</i> Becc.	R	e	R
<i>Raphia australis</i> Oberm. & Strey	V	e	V
ASCLEPIADACEAE			
<i>Caralluma acutiloba</i> N.E. Br.	I	e	I
<i>Caralluma aperta</i> N.E. Br.	U	e	U
<i>Caralluma arenicola</i> N.E. Br.	X	e	X
<i>Caralluma bredae</i> R.A. Dyer var. <i>bredae</i>	R	e	R
<i>Caralluma bredae</i> R.A. Dyer var. <i>thomallae</i> R.A. Dyer	I	e	I
<i>Caralluma cincta</i> Luckhoff	V	e	V
<i>Caralluma gracilis</i> Luckhoff	U	e	U
<i>Caralluma intermedia</i> Schltr.	I	e	I
<i>Caralluma inversa</i> N.E. Br.	I	e	I
<i>Caralluma linearis</i> N.E. Br.	R	e	R
<i>Caralluma maughani</i> R.A. Dyer	R	e	R
<i>Caralluma pillansii</i> N.E. Br.	I	e	I
<i>Caralluma pruinosa</i> N.E. Br.	I	e	I
<i>Caralluma ubomboensis</i> Verdoorn	R	e	R
<i>Caralluma villetii</i> Luckhoff	R	e	R
<i>Duvalia maculata</i> N.E. Br.	I	e	I
<i>Duvalia parviflora</i> N.E. Br.	I	e	I
<i>Echidnopsis columnaris</i> R.A. Dyer	V	e	V
<i>Echidnopsis serpentina</i> White & Sloane	U	e	U
<i>Hoodia albispina</i> N.E. Br.	V	e	V
<i>Hoodia barklyi</i> R.A. Dyer	I	e	I



	Southern Africa	Endemic/ Non-endemic	World
<i>Hoodia dregei</i> N.E. Br.	I	e	I
<i>Hoodia lugardii</i> N.E. Br.	U	e	U
<i>Hoodia pillansii</i> N.E. Br.	I	e	I
<i>Huernia distincta</i> N.E. Br.	R	e	R
<i>Huernia humilis</i> Haw.	I	e	I
<i>Huernia insigniflora</i> C.A. Maass	I	e	I
<i>Huernia kennedyana</i> Lavranos	I	e	I
<i>Huernia longii</i> Pillans	I	e	I
<i>Huernia nouhuysii</i> Verdoorn	V	ne	U
<i>Huernia pillansii</i> N.E. Br.	I	e	I
<i>Huernia praestans</i> N.E. Br.	I	e	I
<i>Huernia simplex</i> N.E. Br.	U	e	U
<i>Huernia witzenbergensis</i> Luckhoff	E	e	E
<i>Mondia whitei</i> (Hook. f.) Skeels	U	ne	nt
<i>Orbea longidens</i> (N.E. Br.) Leach	V	e	V
<i>Orbea maculata</i> (N.E. Br.) Leach	V	e	V
<i>Orbea woodii</i> (N.E. Br.) Leach	U	e	U
<i>Orbeanthus conjunctus</i> (White & Sloane) Leach	R	e	R
<i>Orbeanthus hardyi</i> (R.A. Dyer) Leach	U	e	U
<i>Orbeanthus paradoxa</i> (Verdoorn) Leach	R	ne	R
<i>Orbeopsis gerstneri</i> (Letty) Leach spp. <i>elongata</i> (R.A. Dyer) Leach	R	e	R
<i>Orbeopsis gerstneri</i> (Letty) Leach spp. <i>gerstneri</i>	R	e	R
<i>Pectinaria stayneri</i> Bayer	U	e	U
<i>Stapelia barklyi</i> N.E. Br.	I	e	I
<i>Stapelia bijliae</i> Pillans	U	e	U
<i>Stapelia cincta</i> Marloth	R	e	R
<i>Stapelia clavicorona</i> Verdoorn	V	e	V
<i>Stapelia concinna</i> Masson var. <i>concinna</i>	E	e	E
<i>Stapelia concinna</i> Masson var. <i>paniculata</i> N.E. Br.	R	e	R
<i>Stapelia conformis</i> N.E. Br.	R	e	R
<i>Stapelia cylista</i> Luckhoff	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Stapelia divaricata</i> Mass.	V	e	V
<i>Stapelia dwequensis</i> Luckhoff	E	e	E
<i>Stapelia erectiflora</i> N.E. Br.	R	e	R
<i>Stapelia gariopensis</i> Pillans	U	e	U
<i>Stapelia glanduliflora</i> Mass.	V	e	V
<i>Stapelia immelmaniae</i> Pillans	V	e	V
<i>Stapelia macowanii</i> N.E. Br.	I	e	I
<i>Stapelia neliana</i> White & Sloane	I	e	I
<i>Stapelia nouhuysii</i> Phill.	V	e	V
<i>Stapelia plantii</i> Hook. f.	R	e	R
<i>Stapelia rubiginosa</i> Nel	R	e	R
<i>Stapelia thudichumii</i> Pillans	R	e	R
<i>Stapelia umbonata</i> Pillans	R	e	R
<i>Stapelia vetula</i> Mass. var. <i>simsii</i> N.E. Br.	U	e	U
<i>Stapelia villetae</i> Luckhoff	I	e	I
<i>Stapeliopsis neronis</i> Pillans	E	e	E
<i>Trichocaulon alstoni</i> N.E. Br.	I	e	I
<i>Trichocaulon annulatum</i> N.E. Br.	R	e	R
<i>Trichocaulon cinereum</i> Pillans	R	e	R
<i>Trichocaulon halenbergense</i> Dinter	U	e	U
<i>Trichocaulon keetmanshoopense</i> Dinter	I	e	I
<i>Trichocaulon kubusense</i> Nel	I	e	I
<i>Trichocaulon pictum</i> N.E. Br.	I	e	I
<i>Trichocaulon pillansii</i> N.E. Br.	E	e	E
<i>Trichocaulon rusticum</i> N.E. Br.	U	e	U
<i>Trichocaulon simile</i> N.E. Br.	U	e	U
<i>Trichocaulon truncatum</i> Pillans	R	e	R
<i>Tridentea baylissii</i> (Leach) Leach	I	e	I
<i>Tridentea choanantha</i> (Lavranos & Hall) Leach	I	e	I
<i>Tridentea longii</i> (Luckhoff) Leach	I	e	I
<i>Tridentea parvipuncta</i> (N.E. Br.) Leach	I	e	I
<i>Tridentea umdausensis</i> (Nel) Leach	I	e	I
<i>Tridentea virescens</i> (N.E. Br.) Leach	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
BEGONIACEAE			
<i>Begonia sonderana</i> E. Irmsch.	U	e	U
BORAGINACEAE			
<i>Cordia africana</i> Lam.	R	ne	nt
<i>Cordia grandicalyx</i> Oberm.	U	ne	nt
<i>Cordia pilossima</i> Bak.	U	ne	nt
<i>Lithospermum flexuosum</i> Lehm.	U	e	U
<i>Lobostemon bolusii</i> Levyns	V	e	V
<i>Lobostemon collinus</i> Schltr.	U	e	U
<i>Lobostemon gracilis</i> Levyns	U	e	U
<i>Lobostemon grandiflorus</i> (Andr.) Levyns	U	e	U
<i>Lobostemon horridus</i> Levyns	U	e	U
<i>Lobostemon hottentoticus</i> Levyns	U	e	U
<i>Lobostemon inconspicuus</i> Levyns	U	e	U
<i>Lobostemon lucidus</i> Buek	U	e	U
<i>Lobostemon muirii</i> Levyns	U	e	U
BRUNIACEAE			
<i>Audouinia capitata</i> Brongn.	V	e	V
<i>Berzelia dregeana</i> Colozza	R	e	R
<i>Berzelia ecklonii</i> Pillans	R	e	R
<i>Lonchostoma esterhuyseniae</i> Dahlg. & Strid	I	E	I
<i>Pseudobaeckia stokoei</i> Pillans	R	e	R
<i>Raspalia barnardii</i> Pillans	I	e	I
<i>Raspalia schlechteri</i> Dummer	R	e	R
<i>Staavia dodii</i> Bol.	E	e	E
<i>Staavia phyllicoides</i> Pillans	I	e	I
<i>Staavia trichotoma</i> (Thunb.) Pillans	X	e	X
<i>Staavia zeyheri</i> Sond.	E	e	E
<i>Thamnea depressa</i> Oliv.	X	e	X
<i>Thamnea gracilis</i> Oliv.	I	e	I
<i>Thamnea uniflora</i> Soland. ex Brongn.	X	e	X

	Southern Africa	Endemic/ Non-endemic	World
BUDDLEJACEAE			
<i>Nuxia glomerulata</i> (C.A. Sm.) Verdoorn	R	e	R
BURMANNIACEAE			
<i>Burmannia madagascariensis</i> Mart.	U	ne	nt
BURSERACEAE			
<i>Commiphora discolor</i> Mendes	U	ne	U
<i>Commiphora zanzibarica</i> (Baill.) Engl.	U	ne	nt
CABOMBACEAE			
<i>Brasenia schreberi</i> Gmel.	U	ne	nt
CAMPANULACEAE			
<i>Cyphia comptonii</i> Bond	U	e	U
<i>Cyphia dentariaefolia</i> Presl.	U	e	U
<i>Cyphia longiflora</i> Schltr.	U	e	U
<i>Cyphia longilobata</i> Phill.	U	e	U
<i>Cyphia oligotricha</i> Schltr.	U	e	U
<i>Cyphia ranunculifolia</i> E. Wimm.	U	e	U
<i>Cyphia salteri</i> E. Wimm.	U	e	U
<i>Cyphia stephensii</i> E. Wimm.	U	e	U
<i>Cyphia tortilis</i> N.E. Br.	U	e	U
<i>Laurentia giftbergensis</i> Phill.	V	e	V
<i>Laurentia longituba</i> E. Wimm.	U	e	U
<i>Laurentia mariae</i> E. Wimm.	U	e	U
<i>Lightfootia brachyphylla</i> Adamson	U	e	U
<i>Lightfootia effusa</i> Adamson	U	e	U
<i>Lightfootia microphylla</i> Adamson	U	e	U
<i>Lightfootia multicaulis</i> Adamson	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Lightfootia multiflora</i> Adamson	U	e	U
<i>Lightfootia pauciflora</i> Adamson	U	e	U
<i>Lightfootia planifolia</i> Adamson	U	e	U
<i>Lightfootia squarrosa</i> Adamson	U	e	U
<i>Lightfootia umbellata</i> Adamson	U	e	U
<i>Lobelia capillipes</i> Schltr.	U	e	U
<i>Lobelia dasyphylla</i> E. Wimm.	U	e	U
<i>Lobelia disperma</i> E. Wimm.	U	e	U
<i>Lobelia hypsibata</i> E. Wimm.	U	e	U
<i>Lobelia laurentioides</i> Schltr.	U	e	U
<i>Lobelia montaguensis</i> E. Wimm.	U	e	U
<i>Lobelia nugax</i> E. Wimm.	U	e	U
<i>Lobelia zwartkopensis</i> E. Wimm.	V	e	V
<i>Monopsis arenaria</i> E. Wimm.	U	e	U
<i>Monopsis flava</i> (Presl) E. Wimm.	U	e	U
<i>Monopsis stricta</i> (Presl) E. Wimm.	U	e	U
<i>Prismatocarpus cordifolius</i> Adamson	R	e	R
<i>Prismatocarpus decurrens</i> Adamson	U	e	U
<i>Prismatocarpus fastigiatus</i> Presl	U	e	U
<i>Prismatocarpus hispidus</i> Adamson	U	e	U
<i>Prismatocarpus implicatus</i> Adamson	U	e	U
<i>Prismatocarpus pauciflorus</i> Adamson	U	e	U
<i>Prismatocarpus pilosus</i> Adamson	U	e	U
<i>Prismatocarpus spinosus</i> Adamson	U	e	U
<i>Rhigiophyllum squarrosum</i> Hochst.	U	e	U
<i>Roella bryoides</i> Buek	U	e	U
<i>Roella cuspidata</i> Adamson var. <i>  hispida</i> Adamson	U	e	U
<i>Roella goodiana</i> Adamson	E	e	E
<i>Roella latiloba</i> DC.	U	e	U
<i>Roella lightfootioides</i> Schltr.	U	e	U
<i>Roella rhodantha</i> Adamson	R	e	R
<i>Wahlenbergia annuliformis</i> V. Brehm.	I	e	I
<i>Wahlenbergia asperifolia</i> V. Brehm.	U	e	U
<i>Wahlenbergia bolusiana</i> Schltr.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Wahlenbergia bowkeri</i> Sond.	U	e	U
<i>Wahlenbergia brachycarpa</i> Schltr.	I	e	I
<i>Wahlenbergia buseriana</i> Schltr.	R	e	R
<i>Wahlenbergia ciliolata</i> DC.	U	e	U
<i>Wahlenbergia clavatula</i> V. Brehm.	U	e	U
<i>Wahlenbergia compacta</i> V. Brehm.	U	e	U
<i>Wahlenbergia constricta</i> V. Brehm.	U	e	U
<i>Wahlenbergia debilis</i> Buek	I	e	I
<i>Wahlenbergia distincta</i> V. Brehm.	U	e	U
<i>Wahlenbergia divergens</i> DC.	U	e	U
<i>Wahlenbergia dunantii</i> DC.	U	e	U
<i>Wahlenbergia floribunda</i> Schltr.	U	e	U
<i>Wahlenbergia lasiocarpa</i> Schltr.	U	e	U
<i>Wahlenbergia longisepala</i> V. Brehm.	U	e	U
<i>Wahlenbergia massonii</i> D.C.	U	e	U
<i>Wahlenbergia minuta</i> V. Brehm.	U	e	U
<i>Wahlenbergia mollis</i> V. Brehm.	U	e	U
<i>Wahlenbergia namaquana</i> Sond.	U	e	U
<i>Wahlenbergia oligotricha</i> Schltr.	U	e	U
<i>Wahlenbergia polyclada</i> DC.	U	e	U
<i>Wahlenbergia ramifera</i> V. Brehm.	U	e	U
<i>Wahlenbergia rara</i> Schltr.	U	e	U
<i>Wahlenbergia roelliflora</i> Schltr. & V. Brehm.	U	e	U
<i>Wahlenbergia rotundifolia</i> V. Brehm.	U	e	U
<i>Wahlenbergia saxifragoides</i> V. Brehm.	X	e	X
<i>Wahlenbergia schistacea</i> V. Brehm.	U	e	U
<i>Wahlenbergia serpentina</i> V. Brehm.	U	e	U
<i>Wahlenbergia subpilosa</i> V. Brehm.	U	e	U
<i>Wahlenbergia subtilis</i> V. Brehm.	U	e	U
<i>Wahlenbergia swellendamensis</i> Buek	U	e	U
<i>Wahlenbergia tomentosula</i> V. Brehm.	U	e	U
<i>Wahlenbergia tumida</i> V. Brehm.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<b>CANELLACEAE</b>			
Warburgia salutaris (Bertol. f.) Chiov.	V	ne	R
<b>CAPPARACEAE</b>			
Boscia angustifolia A. Rich. var corymbosa (Gilg) De Wolf	U	ne	nt
Boscia foetida Schinz ssp. longi- pedicellata (Gilg) Toelken	R	e	R
Boscia foetida Schinz ssp. minima Toelken	R	e	R
Boscia microphylla Oliv.	R	e	R
Boscia tomentosa Toelken	U	ne	U
Capparis sepiaria L. var. subglabra (Oliv.) De Wolf	R	ne	nt
<b>CELASTRACEAE</b>			
Cassine crocea (Thunb.) Kuntze	I	e	I
Catha transvaalensis Codd	U	e	U
Hippocratea crenata (Klotzsch) K. Schum. & Loes	R	ne	nt
Hippocratea parvifolia Oliv.	U	ne	nt
Maytenus oxycarpa N.K.B. Robson	U	ne	U
Maytenus pubescens N.K.B. Robson	U	ne	nt
Pseudosalacia streyi Codd	R	e	R
<b>CLUSIACEAE (GUTTIFERAE)</b>			
Hypericum roeperanum Schimp. var. roeperanum	R	ne	nt
<b>COMBRETACEAE</b>			
Combretum collinum Fresen. ssp. taborense (Engl.) Okafor	U	ne	nt

	Southern Africa	Endemic/ Non-endemic	World
<i>Combretum padoides</i> Engl. & Diels	U	ne	nt
<i>Combretum wattii</i> Exell	U	ne	U
<i>Lumnitzera racemosa</i> Willd.	V	ne	nt
COMPOSITAE			
<i>Adenoglossa decurrens</i> (Hutch.) B. Nordenstam	U	e	U
<i>Alciope lanata</i> DC.	U	e	U
<i>Amphiglossa callunoides</i> DC.	U	e	U
<i>Amphiglossa corrudaefolia</i> DC.	U	e	U
<i>Anaxeton angustifolium</i> Lundg.	U	e	U
<i>Anaxeton brevipes</i> Lundg.	R	e	R
<i>Anaxeton ellipticum</i> Lundg.	R	e	R
<i>Anaxeton hirsutum</i> (Thunb.) Less.	R	e	R
<i>Anaxeton virgatum</i> DC.	U	e	U
<i>Arctotheca forbesianum</i> (Harv.) Lewin	I	e	I
<i>Arctotis aenea</i> Jacq.	U	e	U
<i>Arctotis crispata</i> Hutch.	U	e	U
<i>Arctotis diffusa</i> L.	U	e	U
<i>Arctotis dregei</i> Turcz.	U	e	U
<i>Arctotis fosteri</i> N.E. Br.	U	e	U
<i>Arctotis parvifolia</i> Schltr.	U	e	U
<i>Arctotis rosea</i> Jacq.	U	e	U
<i>Arctotis sulcocarpa</i> Lewin	U	e	U
<i>Athanasia crassifolia</i> Schltr.	U	e	U
<i>Athanasia harmeri</i> Phill.	U	e	U
<i>Athanasia mundtii</i> Harv.	U	e	U
<i>Athanasia palmatifida</i> DC.	U	e	U
<i>Athanasia quinquentata</i> Thunb.	U	e	U
<i>Athanasia rugulosa</i> E. Mey.	V	e	V
<i>Athanasia spathulata</i> Harv.	U	e	U
<i>Athanasia tomentella</i> Hutch.	U	e	U
<i>Berkheya angusta</i> Schltr.	U	e	U
<i>Berkheya dregei</i> Harv.	U	e	U



	Southern Africa	Endemic/ Non-endemic	World
<i>Berkheya francisci</i> Bol.	R	e	R
<i>Brachymeris erubescens</i> Hutch.	U	e	U
<i>Cenia duckittiae</i> L. Bol.	I	e	I
<i>Corymbium fourcadei</i> Hutch.	U	e	U
<i>Corymbium salteri</i> E. Markötter	I	e	I
<i>Corymbium theileri</i> E. Markötter	I	e	I
<i>Cotula loganii</i> Hutch.	U	e	U
<i>Cotula myriophylloides</i> Harv.	I	e	I
<i>Cotula paradoxa</i> Schltr.	U	e	U
<i>Cotula pedunculata</i> Schltr.	U	e	U
<i>Cullumia floccosa</i> E. Mey.	U	e	U
<i>Cullumia micracantha</i> DC.	U	e	U
<i>Cullumia pectinata</i> (Thunb.) Less.	R	e	R
<i>Cullumia selago</i> Roessl.	U	e	U
<i>Disparago rosea</i> Hutch.	U	e	U
<i>Elytropappus hispidus</i> (L.f.) Druce	R	e	R
<i>Eriocephalus tenuipes</i> C.A. Smith	U	e	U
<i>Eroeda muirii</i> (C.A. Smith) Levyns	U	e	U
<i>Euryops brevilobus</i> Compton	R	e	R
<i>Euryops ciliatus</i> B. Nordenstam	I	e	I
<i>Euryops decipiens</i> Schltr.	R	e	R
<i>Euryops dentatus</i> B. Nordenstam	R	e	R
<i>Euryops gracilipes</i> B. Nordenstam	U	e	U
<i>Euryops indecorus</i> B. Nordenstam	R	e	R
<i>Euryops integrifolius</i> B. Nordenstam	R	e	R
<i>Euryops lasiocladus</i> (DC.) B. Norden- stam	I	e	I
<i>Euryops latifolius</i> B. Nordenstam	R	e	R
<i>Euryops marlothii</i> B. Nordenstam	R	e	R
<i>Euryops mirus</i> B. Nordenstam	U	e	U
<i>Euryops muirii</i> C.A. Smith	E	e	E
<i>Euryops pectinatus</i> (L.) Cass. ssp. <i>lobulatus</i> B. Nordenstam	R	e	R
<i>Euryops pleiodontus</i> B. Nordenstam	I	e	I
<i>Euryops polytrichoides</i> (Harv.) B. Nordenstam	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Euryops rosulatus</i> B. Nordenstam	R	e	R
<i>Euryops subcarnosus</i> DC. ssp. minor B. Nordenstam	R	e	R
<i>Euryops ursinoides</i> B. Nordenstam	I	e	I
<i>Euryops virgatus</i> B. Nordenstam	R	e	R
<i>Euryops zeyheri</i> B. Nordenstam	U	e	U
<i>Felicia annectens</i> (Harv.) Grau	X	e	X
<i>Felicia deserti</i> Schltr.	U	e	U
<i>Felicia diffusa</i> (DC.) Grau ssp. khamiesbergensis Grau	R	e	R
<i>Felicia ebracteata</i> Grau	U	e	U
<i>Felicia elongata</i> (Thunb.) O. Hoffm.	R	e	R
<i>Felicia esterhuyseniae</i> Grau	R	e	R
<i>Felicia fruticosa</i> (L.) Nichols ssp. brevipedunculata (Hutch.) Grau	U	e	U
<i>Felicia nigrescens</i> Grau	U	e	U
<i>Felicia tsitsikamae</i> Grau	R	e	R
<i>Gazania caespitosa</i> Bol.	U	e	U
<i>Gerbera aurantiaca</i> Sch. Bip.	V	e	V
<i>Gerbera parva</i> N.E. Br.	R	e	R
<i>Gerbera wrightii</i> Harv.	R	e	R
<i>Helichrysum archeri</i> Compton	U	e	U
<i>Helichrysum cochleariforme</i> DC.	U	e	U
<i>Helichrysum concinnum</i> N.E. Br.	U	e	U
<i>Helichrysum ernestianum</i> DC.	U	e	U
<i>Helichrysum filagineum</i> DC.	U	e	U
<i>Helichrysum isolepis</i> Bol.	U	e	U
<i>Helichrysum leptorhizum</i> DC.	U	e	U
<i>Helichrysum manopappum</i> O. Hoffm.	U	e	U
<i>Helichrysum pulchellum</i> E. Mey.	U	e	U
<i>Helichrysum ramulosum</i> DC.	U	e	U
<i>Helichrysum recurvatum</i> (L.f.) Thunb.	V	e	V
<i>Helichrysum silicicolum</i> Compton	U	e	U
<i>Helichrysum simii</i> Bol.	U	e	U
<i>Heterolepis mitis</i> (DC.) Cass.	U	e	U
<i>Hippia hirsuta</i> DC.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Inula paniculata</i> (Klatt) Burtt Davy	U	ne	U
<i>Mairia decumbens</i> Schltr.	U	e	U
<i>Marasmodes dummeri</i> Bol.	I	e	I
<i>Marasmodes oligocephalus</i> DC.	U	e	U
<i>Marasmodes undulata</i> Compton	X	e	X
<i>Matricaria schlechteri</i> Bol.	U	e	U
<i>Metalasia bodkinii</i> L. Bol.	U	e	U
<i>Metalasia erectifolia</i> Pillans	U	e	U
<i>Metalasia schlechteri</i> L. Bol.	U	e	U
<i>Metalasia tricolor</i> Pillans	U	e	U
<i>Oldenburgia arbuscula</i> DC.	R	e	R
<i>Oldenburgia papionum</i> DC.	R	e	R
<i>Osteospermum aciphyllum</i> DC.	R	e	R
<i>Osteospermum armatum</i> Norl.	U	e	U
<i>Osteospermum elsieae</i> Norl.	R	e	R
<i>Osteospermum hafstroemii</i> Norl.	R	e	R
<i>Osteospermum hirsutum</i> Thunb.	X	e	X
<i>Osteospermum hispidum</i> Harv. var. <i>viride</i> Norl.	I	e	I
<i>Osteospermum pterigoideum</i> Klatt	U	e	U
<i>Osteospermum wallianum</i> Norl.	U	e	U
<i>Othonna abrotanifolia</i> Harv.	U	e	U
<i>Othonna cacalioides</i> L.f.	U	e	U
<i>Othonna cakilefolia</i> DC.	U	e	U
<i>Othonna hallii</i> B. Nordenstam	R	e	R
<i>Othonna lasiocarpa</i> DC.	U	e	U
<i>Othonna lepidocaulis</i> Schltr.	U	e	U
<i>Othonna linearifolia</i> DC.	U	e	U
<i>Othonna membranifolia</i> DC.	I	e	I
<i>Othonna minima</i> DC.	R	e	R
<i>Othonna miser</i> Harv.	U	e	U
<i>Othonna papaveroides</i> Hutch.	U	e	U
<i>Othonna patula</i> Schltr.	U	e	U
<i>Othonna pinnatilobata</i> Sch. Bip.	U	e	U
<i>Othonna pteronioides</i> Harv.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Othonna rechingeri</i> B. Nordenstam	U	e	U
<i>Othonna spinescens</i> DC.	U	e	U
<i>Othonna tephrosioides</i> Sond.	U	e	U
<i>Pentzia trifida</i> Schltr. MS.	U	e	U
<i>Phymaspermum schroeteri</i> Compton	R	e	R
<i>Psilothonna speciosa</i> (Pillans) Phill.	V	e	V
<i>Pteronia inflexa</i> Thunb.	U	e	U
<i>Pteronia pillansii</i> Hutch.	U	e	U
<i>Pteronia scabra</i> Harv.	U	e	U
<i>Pteronia tenuifolia</i> DC.	U	e	U
<i>Pterothrix cymbaefolia</i> Harv.	U	e	U
<i>Pterothrix flaccida</i> Schltr.	U	e	U
<i>Pterothrix perotrichoides</i> Harv.	U	e	U
<i>Relhania conferta</i> Hutch.	U	e	U
<i>Relhania decussata</i> (L.) L'Herit.	U	e	U
<i>Relhania garnotii</i> (Less.) Bremer	U	e	U
<i>Relhania multipunctata</i> DC.	U	e	U
<i>Relhania rotundifolia</i> Less.	E	e	E
<i>Relhania steyniae</i> L. Bol.	U	e	U
<i>Relhania tricephala</i> (DC.) Bremer	U	e	U
<i>Rosenia glandulosa</i> Thunb.	U	e	U
<i>Senecio addoensis</i> Compton	U	e	U
<i>Senecio albopunctatus</i> Bol.	U	e	U
<i>Senecio anthemifolius</i> Harv.	U	e	U
<i>Senecio coleophyllus</i> Turcz.	R	e	R
<i>Senecio diodon</i> DC.	U	e	U
<i>Senecio erysimoides</i> DC.	U	e	U
<i>Senecio expansus</i> Harv.	U	e	U
<i>Senecio foeniculoides</i> Harv.	I	e	I
<i>Senecio haworthii</i> DC.	U	e	U
<i>Senecio hirtellus</i> DC.	U	e	U
<i>Senecio microspermus</i> DC.	U	e	U
<i>Senecio muirii</i> L. Bol.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Senecio rehmanni</i> Bol.	U	e	U
<i>Senecio serrurioides</i> Turcz.	U	e	U
<i>Senecio succulentus</i> DC.	U	e	U
<i>Senecio thunbergii</i> Harv.	U	e	U
<i>Senecio trachylaenus</i> Harv.	U	e	U
<i>Senecio trachyphyllus</i> Schltr.	U	e	U
<i>Stilpnophytum inopinatum</i> Hutch.	U	e	U
<i>Stilpnophytum oocephalum</i> DC.	U	e	U
<i>Stoebe copholepis</i> Sch. Bip.	U	e	U
<i>Stoebe cyathuloides</i> Schltr.	U	e	U
<i>Stoebe ensori</i> Compton	U	e	U
<i>Stoebe gomphrenoides</i> Berg.	V	e	V
<i>Stoebe humilis</i> Levyns	R	e	R
<i>Stoebe muirii</i> Levyns	R	e	R
<i>Stoebe salteri</i> Levyns	V	e	V
<i>Stoebe schultzii</i> Levyns	U	e	U
<i>Thaminophyllum mundtii</i> Harv.	R	e	R
<i>Thaminophyllum multiflorum</i> Harv.	U	e	U
<i>Ursinia coronopifolia</i> (Less.) N.E. Br.	R	e	R
<i>Ursinia pygmaea</i> DC.	U	e	U
<i>Ursinia subflosculosa</i> (DC.) Prassler	R	e	R
<i>Venidium augustifolium</i> DC.	U	e	U
<i>Venidium bolusii</i> S. Moore	U	e	U
<i>Venidium fugax</i> Harv.	U	e	U
<i>Venidium macrospermum</i> DC.	U	e	U
<i>Vernonia africana</i> (Sond.) Druce	X	e	X
<i>Zoutpansbergia caerulea</i> Hutch.	R	e	R

CONNARACEAE

<i>Byrsocarpus orientalis</i> (Baill.) Bak.	U	ne	nt
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	Southern Africa	Endemic/ Non-endemic	World
CONVOLVULACEAE			
<i>Turbina shirensis</i> (Oliv.) A. Meeuse	R	ne	nt
<i>Turbina stenosphon</i> (Hall. f.) A. Meeuse	R	ne	nt
CRASSULACEAE			
<i>Adromischus humilis</i> Marloth	U	e	U
<i>Adromischus marianae</i> Marloth	U	e	U
<i>Adromischus phillipsiae</i> Marloth	U	e	U
<i>Cotyledon flanagani</i> Schonl.	R	e	R
<i>Cotyledon heterophylla</i> Schonl.	R	e	R
<i>Cotyledon ladysmithiensis</i> V. Poelln.	U	e	U
<i>Cotyledon rubrovenosa</i> Dinter	R	e	R
<i>Crassula alcicornis</i> Schonl.	X	e	X
<i>Crassula alpestris</i> Thunb. ssp. <i>massonii</i> (Britten & Bak.f.) Toelken	U	e	U
<i>Crassula arborescens</i> (Mill.) Willd. ssp. <i>undulatifolia</i> Toelken	R	e	R
<i>Crassula barbata</i> Thunb. ssp. <i>broomii</i> (Schonl.) Toelken	R	e	R
<i>Crassula brachystachya</i> Toelken	U	e	U
<i>Crassula decumbens</i> Thunb. var. <i>brachyphylla</i> (Adamson) Toelken	I	e	I
<i>Crassula elsieae</i> Toelken	U	e	U
<i>Crassula fusca</i> Herre	R	e	R
<i>Crassula multiceps</i> Harv.	R	e	R
<i>Crassula multiflora</i> Schonl. & Bak. f. ssp. <i>leucantha</i> (Schonl. & Bak. f.) Toelken	U	e	U
<i>Crassula namaquensis</i> Schonl. & Bak. f. ssp. <i>comptonii</i> (Hutch. & Pillans) Toelken	R	e	R
<i>Crassula namaquensis</i> Schonl. ssp. <i>lutea</i> Schonl.	U	e	U
<i>Crassula obovata</i> Haw. var. <i>dregeana</i> (Harv.) Toelken	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Crassula pellucida</i> L. ssp. <i>spongiosa</i> Toelken	R	e	R
<i>Crassula planifolia</i> Schonl.	V	e	V
<i>Crassula roggeveldii</i> Schonl.	R	e	R
<i>Crassula rupestris</i> Thunb. ssp. <i>marnierana</i> (Huber & Jacobsen) Toelken	U	e	U
<i>Crassula sericea</i> Schonl. var. <i>velutina</i> (Friedrich) Toelken	U	e	U
<i>Crassula socialis</i> Schonl.	R	e	R
<i>Crassula streyi</i> Toelken	U	e	U
<i>Crassula subulata</i> Hermann var. <i>hispida</i> (Schonl. & Bak. f.) Toelken	X	e	X
<i>Crassula susannae</i> Rauh & Friedrich	I	e	I
<i>Crassula tuberella</i> Toelken	R	e	R
<i>Crassula vestita</i> Thunb.	R	e	R
<i>Kalanchoe alticola</i> Compton	R	e	R
<i>Kalanchoe crundallii</i> Verdoorn	V	e	V
<i>Kalanchoe laciniata</i> (L.) DC.	R	ne	nt
<i>Kalanchoe longiflora</i> Schltr. ex Wood	U	e	U
<i>Tylecodon cacalioides</i> (L.f.) Toelken	V	e	V
<i>Tylecodon fragilis</i> (R.A. Dyer) Toelken	R	e	R
<i>Tylecodon pearsonii</i> (Schonl.) Toelken	R	e	R
<i>Tylecodon schaeferianus</i> (Dinter) Toelken	U	e	U
<i>Tylecodon singularis</i> (R.A. Dyer) Toelken	U	e	U
<i>Tylecodon striatus</i> (Hutch.) Toelken	R	e	R
<b>CRUCIFERAE</b>			
<i>Heliophila cedarbergensis</i> Marais	R	e	R
<i>Heliophila cinerea</i> Marais	R	e	R
<i>Heliophila collina</i> Schulz	R	e	R
<i>Heliophila cuneata</i> Marais	V	e	V
<i>Heliophila eximia</i> Marais	R	e	R
<i>Heliophila filicaulis</i> Marais	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Heliophila laciniata</i> Marais	R	e	R
<i>Heliophila leptophylla</i> Schltr.	U	e	U
<i>Heliophila patens</i> Oliv.	R	e	R
<i>Heliophila ramosissima</i> Schulz	U	e	U
<i>Heliophila rimicola</i> Marais	R	e	R
<i>Heliophila tabularis</i> W. Dod	R	e	R
<i>Heliophila tricuspidata</i> Schltr.	R	e	R
<b>CUCURBITACEAE</b>			
<i>Gerrardanthus tomentosus</i> Hook. f.	R	e	R
<i>Oreosyce africana</i> Hook. f.	U	ne	nt
<b>CUPRESSACEAE</b>			
<i>Widdringtonia cedarbergensis</i> Marsh	E	e	E
<b>CYPERACEAE</b>			
<i>Tetraria brachyphylla</i> Levyns	U	e	U
<b>DICHAPETALACEAE</b>			
<i>Tapura fischeri</i> Engl.	R	ne	nt
<b>EBENACEAE</b>			
<i>Diospyros rotundifolia</i> Hiern	V	ne	nt
<i>Euclea linearis</i> Zeyh. ex Hiern	R	e	R
<b>ERICACEAE</b>			
<i>Erica acockii</i> Compton	X	e	X
<i>Erica aghillana</i> Guth. and Bol.	V	e	V
<i>Erica alfredii</i> Guth. & Bol.	R	e	R



	Southern Africa	Endemic/ Non-endemic	World
<i>Erica aneimana</i> Dulfer	U	e	U
<i>Erica annectens</i> Guth. & Bol.	R	e	R
<i>Erica aspalathoides</i> Guth. & Bol.	U	e	U
<i>Erica atrovinosa</i> E.G.H. Oliv.	R	e	R
<i>Erica auriculata</i> Guth. & Bol.	U	e	U
<i>Erica bakeri</i> Salter	E	e	E
<i>Erica barrydalensis</i> L. Bol.	U	e	U
<i>Erica beatricis</i> Compton	R	e	R
<i>Erica berzeliodes</i> Guth. & Bol.	U	e	U
<i>Erica blesbergensis</i> H.A. Bak.	U	e	U
<i>Erica bolusiae</i> Salter	X	e	X
<i>Erica casta</i> Guth. & Bol.	V	e	V
<i>Erica cerviciflora</i> Salisb.	U	e	U
<i>Erica chrysocodon</i> Guth. & Bol.	E	e	E
<i>Erica comptonii</i> Salter	R	e	R
<i>Erica cremea</i> Dulfer	R	e	R
<i>Erica crucistigmatica</i> Dulfer	E	e	E
<i>Erica cryptanthera</i> Guth. & Bol.	U	e	U
<i>Erica cyrillaeiflora</i> Salisb.	V	e	V
<i>Erica dilatata</i> Wendl.	U	e	U
<i>Erica diotaeflora</i> Salisb.	U	e	U
<i>Erica dulcis</i> L. Bol.	R	e	R
<i>Erica dysantha</i> Benth.	I	e	I
<i>Erica eriophoros</i> Guth. & Bol.	U	e	U
<i>Erica ethelae</i> L. Bol.	U	e	U
<i>Erica fairii</i> Bol.	E	e	E
<i>Erica ferrea</i> Berg.	V	e	V
<i>Erica galgebergensis</i> H.A. Bak.	R	e	R
<i>Erica gallorum</i> L. Bol.	U	e	U
<i>Erica granulatifolia</i> H.A. Bak.	R	e	R
<i>Erica greyii</i> Guth. & Bol.	U	e	U
<i>Erica heleogena</i> Salter	E	e	E
<i>Erica heliophila</i> Guth. & Bol.	U	e	U
<i>Erica hendricksei</i> H.A. Bak.	R	e	R
<i>Erica heterophylla</i> Guth. & Bol.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Erica hibbertia</i> Andr.	I	e	I
<i>Erica hippurus</i> Compton	R	e	R
<i>Erica insolitanthera</i> H.A. Bak.	R	e	R
<i>Erica intricata</i> H.A. Bak.	R	e	R
<i>Erica jasminiflora</i> Salisb.	E	e	E
<i>Erica junonia</i> Bol.	E	e	E
<i>Erica keeromsbergensis</i> H.A. Bak.	R	e	R
<i>Erica keetii</i> L. Bol.	U	e	U
<i>Erica kraussiana</i> Klotzsch	U	e	U
<i>Erica lagenaeformis</i> Salisb.	I	e	I
<i>Erica latifolia</i> Andr.	U	e	U
<i>Erica lehmannii</i> Klotzsch ex Benth.	U	e	U
<i>Erica lerouxiae</i> Bol.	R	e	R
<i>Erica leucosiphon</i> L. Bol.	R	e	R
<i>Erica limosa</i> L. Bol.	E	e	E
<i>Erica macilenta</i> Guth. & Bol.	U	e	U
<i>Erica marifolia</i> Soland.	R	e	R
<i>Erica mundii</i> Guth. & Bol.	U	e	U
<i>Erica nematophylla</i> Guth. & Bol.	R	e	R
<i>Erica obconica</i> H.A. Bak.	U	e	U
<i>Erica octonaria</i> L. Bol.	R	e	R
<i>Erica oligantha</i> Guth. & Bol.	I	e	I
<i>Erica oophylla</i> Benth.	R	e	R
<i>Erica ostiaria</i> Compton	U	e	U
<i>Erica oxyandra</i> Guth. & Bol.	U	e	U
<i>Erica paludicola</i> L. Bol.	V	e	V
<i>Erica parvulisepala</i> H.A. Bak.	R	e	R
<i>Erica pauciovulata</i> H.A. Bak.	R	e	R
<i>Erica pearsoniana</i> L. Bol.	U	e	U
<i>Erica pilulifera</i> L.	E	e	E
<i>Erica porteri</i> Compton	V	e	V
<i>Erica praenitens</i> Tausch	U	e	U
<i>Erica purgatoriensis</i> H.A. Bak.	V	e	V
<i>Erica pyramidalis</i> Soland.	X	e	X
<i>Erica pyrantha</i> Bol.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Erica quadrisulcata</i> L. Bol.	I	e	I
<i>Erica riparia</i> H.A. Bak.	I	e	I
<i>Erica rufescens</i> Klotzsch	U	e	U
<i>Erica sociorum</i> L. Bol.	E	e	E
<i>Erica sonora</i> Compton	U	e	U
<i>Erica trichophora</i> Benth.	U	e	U
<i>Erica trichophylla</i> Benth.	U	e	U
<i>Erica turbiniflora</i> Salisb.	U	e	U
<i>Erica turgida</i> Salisb.	X	e	X
<i>Erica turrisburytonica</i> H.A. Bak.	U	e	U
<i>Erica urna-viridis</i> Bol.	V	e	V
<i>Erica uysii</i> H.A. Bak.	R	e	R
<i>Erica vallis-araneorum</i> E.G.H. Oliv.	R	e	R
<i>Erica verticillata</i> Berg.	X	e	X
<i>Erica vestiflua</i> Salisb.	R	e	R
<i>Erica xanthina</i> Guth. & Bol.	U	e	U
<i>Grisebachia incana</i> Klotzsch	U	e	U
<i>Grisebachia niveni</i> N.E. Br.	U	e	U
<i>Grisebachia rigida</i> N.E. Br.	U	e	U

EUPHORBIACEAE

<i>Alchornea hirtella</i> Benth. var <i>glabrata</i> (Prain) Pax et K. Hoffm.	R	ne	nt
<i>Alchornea laxiflora</i> (Benth.) Pax et K. Hoffm.	R	ne	nt
<i>Bridelia cathartica</i> Bertol f. ssp. <i>cathartica</i>	R	ne	nt
<i>Cavacoa aurea</i> (Cavaco) J. Léon.	V	ne	V
<i>Croton madadensis</i> S. Moore	U	e	U
<i>Drypetes mossambicensis</i> Hutch.	U	ne	U
<i>Euphorbia barnardii</i> White, Dyer & Sloan	E	e	E
<i>Euphorbia clivicola</i> R.A. Dyer	R	e	R
<i>Euphorbia eduardoi</i> Leach	U	ne	U
<i>Euphorbia fasciculata</i> Thunb.	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<i>Euphorbia grandialata</i> R.A. Dyer	R	e	R
<i>Euphorbia groenewaldii</i> R.A. Dyer	V	e	V
<i>Euphorbia hallii</i> R.A. Dyer	R	e	R
<i>Euphorbia keithii</i> R.A. Dyer	U	e	U
<i>Euphorbia knobelii</i> Letty	E	e	E
<i>Euphorbia marlothiana</i> N.E. Br.	R	e	R
<i>Euphorbia nesemannii</i> R.A. Dyer	V	e	V
<i>Euphorbia perangusta</i> R.A. Dyer	E	e	E
<i>Euphorbia restricta</i> R.A. Dyer	R	e	R
<i>Euphorbia rowlandii</i> R.A. Dyer	U	e	U
<i>Euphorbia sekukuniensis</i> R.A. Dyer	R	e	R
<i>Euphorbia tortirama</i> R.A. Dyer	V	e	V
<i>Euphorbia waterbergensis</i> R.A. Dyer	R	e	R
<i>Euphorbia zoutpansbergensis</i> R.A. Dyer	R	e	R
<i>Jatropha messinica</i> E.A. Bruce	U	ne	R
<i>Phyllanthus cedrelifolius</i> Verdoorn	U	e	U
<i>Phyllanthus kirkianus</i> Muell Arg.	R	ne	nt
<i>Suregada zanzibariensis</i> Baill.	R	ne	U

FLACOURTIACEAE

<i>Homalium abdessammadii</i> Aschers. & Schweinf.	U	ne	nt
<i>Pseudosclopia polyantha</i> Gilg	U	e	U
<i>Scolopia oreophila</i> (Sleum.) Killick	R	e	R
<i>Scolopia stolzii</i> Gilg ex Sleum.	R	e	R

GEISSOLOMACEAE

<i>Geissoloma marginatum</i> (L.) A. Juss.	R	e	R
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GESNERIACEAE

<i>Streptocarpus decipiens</i> Hilliard & Burtt	R	e	R
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	Southern Africa	Endemic/ Non-endemic	World
<i>Streptocarpus latens</i> Hilliard & Burt	U	e	U
<i>Streptocarpus modestus</i> Britten	U	e	U
<i>Streptocarpus pogonites</i> Hilliard & Burt	R	e	R
<i>Streptocarpus porphyrostachys</i> Hilliard	U	e	U
<i>Streptocarpus wendlandii</i> Spreng.	V	e	V
GRAMINEAE (POACEAE)			
<i>Arundinaria tessellata</i> (Nees) Munro	V	e	V
<i>Eragrostis arenicola</i> C.E. Hubb.	U	e	nt
<i>Helictotrichon barbatum</i> (Nees) Schweick.	U	e	U
<i>Helictotrichon namaquense</i> Schweick.	U	e	U
<i>Helictotrichon quinquesetum</i> (Steud.) Schweick.	U	e	U
<i>Melinis tenuissima</i> Stapf	U	e	nt
<i>Pentameris obtusifolia</i> (Hochst.) Schweick.	U	e	U
<i>Pentaschistis burchellii</i> Stapf	U	e	U
<i>Pentaschistis heterochaeta</i> Stapf	U	e	U
<i>Pentaschistis hirsuta</i> Stapf	U	e	U
<i>Pentaschistis zeyheri</i> Stapf	U	e	U
<i>Prionanthium ecklonii</i> Stapf	U	e	U
<i>Prionanthium pholiuroides</i> Stapf	E	e	E
<i>Prionanthium rigidum</i> Desv.	U	e	U
<i>Schizachrium brevifolium</i> (Sweet) Nees	U	e	nt
<i>Secale africanum</i> L.	I	e	I
GRAMMITIDACEAE			
<i>Grammitis poeppigana</i> (Mett.) Schelpe	R	e	R
GREYIACEAE			
<i>Greyia flanaganii</i> H. Bol.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
IRIDACEAE			
<i>Aristea lugens</i> (L.f.) Horton	I	e	I
<i>Aristea palustris</i> Schltr.	U	e	U
<i>Aristea recisa</i> Weim.	U	e	U
<i>Aristea simplex</i> Weim.	U	e	U
<i>Aristea singularis</i> Weim.	U	e	U
<i>Babiana auriculata</i> Lewis	R	e	R
<i>Babiana brachystachys</i> (Bak.) Lewis	U	e	U
<i>Babiana cedarbergensis</i> Lewis	R	e	R
<i>Babiana foliosa</i> Lewis	U	e	U
<i>Babiana horizontalis</i> Lewis	U	e	U
<i>Babiana hypogea</i> Burch. var <i>longituba</i> Lewis	U	e	U
<i>Babiana klaverensis</i> Lewis	U	e	U
<i>Babiana leipoldtii</i> Lewis	I	e	I
<i>Babiana lobata</i> Lewis	U	e	U
<i>Babiana obliqua</i> Phill.	U	e	U
<i>Babiana pauciflora</i> Lewis	E	e	E
<i>Babiana pilosa</i> Lewis	U	e	U
<i>Babiana salteri</i> Lewis	R	e	R
<i>Babiana stenomera</i> Schltr.	R	e	R
<i>Babiana striata</i> (Jacq.) Lewis var. <i>planifolia</i> Lewis	R	e	R
<i>Babiana torta</i> Lewis	U	e	U
<i>Bobartia gladiata</i> (L.f.) Ker ssp. <i>major</i> (Lewis) Strid	R	e	R
<i>Bobartia gracilis</i> Baker	U	e	U
<i>Bobartia longicyma</i> J.B. Gillett ssp. <i>longicyma</i>	U	e	U
<i>Bobartia longicyma</i> J.B. Gillett ssp. <i>microflora</i> Strid	U	e	U
<i>Bobartia orientalis</i> J.B. Gillett ssp. <i>occidentalis</i> Strid	R	e	R
<i>Bobartia paniculata</i> Lewis	R	e	R
<i>Bobartia parva</i> J.B. Gillett	E	e	E
<i>Chasmanthe bicolor</i> (Gasp.) N.E. Br.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Chasmanthe fucata</i> (Herb.) N.E. Br.	U	e	U
<i>Dierama pulcherrimum</i> (Hook. f.) Bak.	V	e	V
<i>Dietes bicolor</i> Sweet	R	e	R
<i>Dietes butcheriana</i> Gerstn.	R	e	R
<i>Dietes flavida</i> Oberm.	U	e	U
<i>Engysiphon brevitubus</i> Lewis	U	e	U
<i>Ferraria divaricata</i> Sweet ssp. <i>arenosa</i> De Vos	I	e	I
<i>Ferraria foliosa</i> Lewis	U	e	U
<i>Ferraria uncinata</i> (Sweet) Bak.	U	e	U
<i>Freesia armstrongi</i> Watson	R	e	R
<i>Freesia speciosa</i> L. Bol.	R	e	R
<i>Geissorhiza burchellii</i> Foster	U	e	U
<i>Geissorhiza furva</i> Ker ex Bak.	I	e	I
<i>Geissorhiza geminata</i> E. Mey. ex Bak.	U	e	U
<i>Geissorhiza ixioides</i> Schltr.	U	e	U
<i>Geissorhiza leipoldtii</i> Foster	U	e	U
<i>Geissorhiza lewisae</i> Foster	I	e	I
<i>Geissorhiza mathewsii</i> L. Bol.	V	e	V
<i>Geissorhiza mathewsii</i> var. <i>eurystigma</i> Bol.	V	e	V
<i>Geissorhiza ovalifolia</i> Foster	U	e	U
<i>Geissorhiza pappei</i> Bak.	U	e	U
<i>Geissorhiza rogersii</i> N.E. Br.	U	e	U
<i>Geissorhiza rubicunda</i> Foster	U	e	U
<i>Gladiolus acuminatus</i> Bol. f.	U	e	U
<i>Gladiolus alatus</i> L. var. <i>algoensis</i> Herb.	X	e	X
<i>Gladiolus appendiculatus</i> Lewis var <i>appendiculatus</i>	R	e	R
<i>Gladiolus appendiculatus</i> Lewis var <i>longifolius</i> Lewis	R	e	R
<i>Gladiolus aureus</i> Baker	E	e	E
<i>Gladiolus bilineatus</i> Lewis	U	e	U
<i>Gladiolus brachyphyllus</i> Bol. f.	R	ne	R
<i>Gladiolus buckerveldii</i> (L. Bol.) Goldbl.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Gladiolus calcaratus</i> Lewis	R	e	R
<i>Gladiolus cardinalis</i> Curtis	R	e	R
<i>Gladiolus carinatus</i> Ait. ssp. <i>parviflorus</i> Lewis	I	e	I
<i>Gladiolus caryophyllaceus</i> (Burm. f.) Poir.	V	e	V
<i>Gladiolus citrinus</i> Klatt	V	e	V
<i>Gladiolus comptonii</i> Lewis	V	e	V
<i>Gladiolus cruentus</i> S. Moore	R	e	R
<i>Gladiolus debilis</i> Ker var. <i>variegatus</i> Lewis	U	e	U
<i>Gladiolus emiliae</i> L. Bol.	E	e	E
<i>Gladiolus engysiphon</i> Lewis	U	e	U
<i>Gladiolus exiguus</i> Lewis	R	e	R
<i>Gladiolus floribundus</i> Jacq. ssp. <i>miniatus</i> (Eckl.) Oberm.	U	e	U
<i>Gladiolus gracilis</i> Jacq. var. <i>latifolius</i> Lewis	I	e	I
<i>Gladiolus gueinzii</i> Kunze	R	e	R
<i>Gladiolus guthriei</i> Bol. f.	V	e	V
<i>Gladiolus hollandii</i> L. Bol.	R	ne	R
<i>Gladiolus jonquillioidorus</i> Eckl. ex H. Bol. & Dod	U	e	U
<i>Gladiolus kamiesbergensis</i> Lewis	U	e	U
<i>Gladiolus lapeirousioides</i> Goldbl.	R	e	R
<i>Gladiolus leptosiphon</i> Bol. f.	U	e	U
<i>Gladiolus lewiseae</i> Oberm.	R	e	R
<i>Gladiolus macneilii</i> Oberm.	R	e	R
<i>Gladiolus maculatus</i> Sweet ssp. <i>hibernus</i> (Ingram) Oberm.	U	e	U
<i>Gladiolus marlothii</i> Lewis	U	e	U
<i>Gladiolus martleyi</i> L. Bol.	U	e	U
<i>Gladiolus microcarpus</i> Lewis	U	e	U
<i>Gladiolus mostertiae</i> L. Bol.	U	e	U
<i>Gladiolus nerineoides</i> Lewis	U	e	U
<i>Gladiolus oppositiflorus</i> Herb. ssp. <i>oppositiflorus</i>	R	e	R



	Southern Africa	Endemic/ Non-endemic	World
<i>Gladiolus oppositiflorus</i> Herb. ssp. <i>salmoneus</i> (Bak.) Oberm.	R	e	R
<i>Gladiolus oreocharis</i> Schltr.	R	e	R
<i>Gladiolus pillansii</i> Lewis var. <i>roseus</i> Lewis	U	e	U
<i>Gladiolus pole-evansii</i> Verdoorn	R	e	R
<i>Gladiolus pretoriensis</i> Kuntze	V	e	V
<i>Gladiolus punctulatus</i> Schrank var. <i>autumnalis</i> Lewis	R	e	R
<i>Gladiolus punctulatus</i> Schrank. var. <i>punctulatus</i>	R	e	R
<i>Gladiolus quadrangulus</i> (Delaroché) Barnard	E	e	E
<i>Gladiolus recurvus</i> L.	U	e	U
<i>Gladiolus robertsoniae</i> Bol. f.	R	e	R
<i>Gladiolus rufomarginatus</i> Lewis	R	e	R
<i>Gladiolus salteri</i> Lewis	R	e	R
<i>Gladiolus stefaniae</i> Oberm.	U	e	U
<i>Gladiolus stokoei</i> Lewis	R	e	R
<i>Gladiolus subcaeruleus</i> Lewis	U	e	U
<i>Gladiolus symonsii</i> Bol. f.	R	e	R
<i>Gladiolus tristis</i> L. var. <i>concolor</i> (Salisb.) Bak.	U	e	U
<i>Gladiolus varius</i> Bol. f. var. <i>micranthus</i> (Bak.) Oberm.	R	e	R
<i>Gladiolus varius</i> Bol. f. var. <i>varius</i>	R	e	R
<i>Gladiolus vernus</i> Oberm.	R	e	R
<i>Gladiolus vigilans</i> Barnard	I	e	I
<i>Gladiolus violaceo-lineatus</i> Lewis	R	e	R
<i>Gladiolus virescens</i> Thunb. var. <i>roseo-venosus</i> Lewis	I	e	I
<i>Gladiolus viridiflorus</i> Lewis	R	e	R
<i>Hesperantha oligantha</i> (Diels) Goldbl.	U	e	U
<i>Homeria lineata</i> Sweet	U	e	U
<i>Homeria meterlekampiae</i> L. Bol.	I	e	I
<i>Homeria spiralis</i> L. Bol.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
Homoglossum guthriei (L. Bol.) L. Bol.	R	e	R
Homoglossum merianellum (L.) Bak. var. aureum Lewis	I	e	I
Homoglossum merianellum (L.) Bak. var. merianellum	I	e	I
Homoglossum vandermerwei (L. Bol.) L. Bol.	U	e	U
Ixia bellendenii Foster	U	e	U
Ixia brevituba Lewis	V	e	V
Ixia cochlearis Lewis	U	e	U
Ixia conferta Foster var. conferta	U	e	U
Ixia conferta Foster var. ochroleuca (Ker) Lewis	U	e	U
Ixia curta Andr.	V	e	V
Ixia curvata Lewis	U	e	U
Ixia framesii L. Bol.	E	e	E
Ixia gloriosa Lewis	I	e	I
Ixia leipoldtii Lewis	U	e	U
Ixia maculata L. var. fusco-citrina Lewis	U	e	U
Ixia maculata L. var. intermedia Lewis	U	e	U
Ixia maculata L. var. maculata	V	e	V
Ixia patens Ait. var. linearifolia Lewis	I	e	I
Ixia patens Ait. var. patens	I	e	I
Ixia purpureorosea Lewis	R	e	R
Ixia rouxii Lewis	U	e	U
Ixia splendida Lewis	R	e	R
Ixia stolonifera Lewis	I	e	I
Ixia trifolia Lewis	U	e	U
Ixia versicolor Lewis	I	e	I
Ixia viridiflora Lam.	V	e	V
Klattia partita Bak.	R	e	R
Lapeirousia corymbosa (L.) Ker ssp. alta Goldbl.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Lapeirousia verecunda</i> Goldbl.	R	e	R
<i>Moraea aristata</i> (Delaroché) Asch & Groeb	E	e	E
<i>Moraea barnardii</i> L. Bol.	R	e	R
<i>Moraea cooperi</i> Bak.	R	e	R
<i>Moraea gigandra</i> L. Bol.	V	e	V
<i>Moraea incurva</i> Lewis	X	e	X
<i>Moraea insolens</i> Goldbl.	E	e	E
<i>Moraea loubseri</i> Goldbl.	X	e	X
<i>Moraea tulbaghensis</i> L. Bol.	E	e	E
<i>Nivenia concinna</i> N.E. Br.	I	e	I
<i>Nivenia dispar</i> N.E. Br.	U	e	U
<i>Nivenia fruticosa</i> (L.f.) Bak.	U	e	U
<i>Nivenia levynsiae</i> Weim.	R	e	R
<i>Nivenia stokoei</i> N.E. Br.	I	e	I
<i>Romulea albomarginata</i> De Vos	R	e	R
<i>Romulea amoena</i> Schltr. ex Beguinot	R	e	R
<i>Romulea aquatica</i> Lewis	V	e	V
<i>Romulea barkerae</i> De Vos	R	e	R
<i>Romulea biflora</i> (Beguinot) De Vos	R	e	R
<i>Romulea cedarbergensis</i> De Vos	U	e	U
<i>Romulea elliptica</i> De Vos	V	e	V
<i>Romulea eximia</i> De Vos	V	e	V
<i>Romulea hallii</i> De Vos	U	e	U
<i>Romulea hantamensis</i> (Diels) Goldbl.	R	e	R
<i>Romulea jugicola</i> De Vos	I	e	I
<i>Romulea kamisensis</i> De Vos	R	e	R
<i>Romulea komsbergensis</i> De Vos	U	e	U
<i>Romulea malaniae</i> De Vos	U	e	U
<i>Romulea membranacea</i> De Vos	U	e	U
<i>Romulea monadelpha</i> (Sweet) Bak.	I	e	I
<i>Romulea multifida</i> De Vos	R	e	R
<i>Romulea multisulcata</i> De Vos	I	e	I
<i>Romulea namaquensis</i> De Vos ssp. <i>bolusii</i> De Vos	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Romulea namaquensis</i> De Vos ssp. <i>namaquensis</i>	U	e	U
<i>Romulea oliveri</i> De Vos	R	e	R
<i>Romulea papyracea</i> W. Dod	X	e	X
<i>Romulea sanguinalis</i> De Vos	R	e	R
<i>Romulea saldanhensis</i> De Vos	V	e	V
<i>Romulea sinispinosensis</i> De Vos	U	e	U
<i>Romulea sladenii</i> De Vos	R	e	R
<i>Romulea sphaerocarpa</i> De Vos	I	e	I
<i>Romulea sulphurea</i> Beguinot	X	e	X
<i>Romulea syringodeoflora</i> De Vos	R	e	R
<i>Romulea tortilis</i> Bak. var. <i>dissecta</i> De Vos	R	e	R
<i>Romulea tortilis</i> Bak. var. <i>tortilis</i>	R	e	R
<i>Romulea toximontana</i> De Vos	R	e	R
<i>Romulea vinacea</i> De Vos	R	e	R
<i>Romulea viridibracteata</i> De Vos	U	e	U
<i>Sparaxis elegans</i> (Sweet) Goldbl.	I	e	I
<i>Sparaxis pillansii</i> L. Bol.	R	e	R
<i>Sparaxis tricolor</i> (Schneevogt) Ker	E	e	E
<i>Synnotia roxburghii</i> (Bak.) Lewis	I	e	I
<i>Syringodea derustensis</i> De Vos	R	e	R
<i>Syringodea flanagani</i> Bak.	U	e	U
<i>Syringodea pulchella</i> Hook. f.	U	e	U
<i>Syringodea saxatilis</i> De Vos	U	e	U
<i>Thereianthus racemosus</i> (Klatt) Lewis	R	e	R
<i>Tritonia kamisbergensis</i> Klatt	U	e	U
<i>Tritoniopsis elongata</i> (L. Bol.) Lewis	I	e	I
<i>Tritoniopsis flexuosa</i> (L.f.) Lewis	V	e	V
<i>Tritoniopsis latifolia</i> Lewis	R	e	R
<i>Watsonia ardernei</i> J.W. Mathews & L. Bol.	U	e	U
<i>Watsonia caledonica</i> Bak.	U	e	U
<i>Watsonia cooperi</i> L. Bol.	U	e	U
<i>Watsonia dubia</i> Eckl.	U	e	U
<i>Watsonia ecklonii</i> L. Bol.	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Watsonia emiliae</i> L. Bol.	U	e	U
<i>Watsonia fergusoniae</i> L. Bol.	I	e	I
<i>Watsonia gladioloides</i> Schltr.	U	e	U
<i>Watsonia hysterantha</i> J.W. Mathews & L. Bol.	I	e	I
<i>Watsonia latifolia</i> Oberm.	R	e	R
<i>Watsonia occulta</i> L. Bol.	R	e	R
<i>Watsonia pauciflora</i> L. Bol.	U	e	U
<i>Watsonia rogersii</i> L. Bol.	U	e	U
<i>Watsonia rosea-alba</i> (Jacq.) Ker	I	e	I
<i>Watsonia stanfordiae</i> L. Bol.	I	e	I
<i>Watsonia strictiflora</i> Ker	U	e	U
<i>Watsonia transvaalensis</i> Bak.	R	e	R
<i>Watsonia vittata</i> J.W. Mathews & L. Bol.	U	e	U
<i>Watsonia wilmsii</i> L. Bol.	R	e	R
<i>Watsonia wordsworthiana</i> J.W. Mathews & L. Bol.	U	e	U
<i>Witsenia maura</i> Thunb.	U	e	U

ISOETACEAE

<i>Isoetes stephansenii</i> A.V. Duthie	I	e	I
<i>Isoetes wormaldii</i> Sim	U	e	U

JUNCACEAE

<i>Juncus obliquus</i> Adamson	U	e	U
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LABIATAE

<i>Hyptis spicigera</i> Lam.	U	ne	nt
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LAURACEAE

<i>Beilschmiedia natalensis</i> J.H. Ross	U	e	U
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	Southern Africa	Endemic/ Non-endemic	World
<i>Cryptocarya wyliei</i> Stapf.	R	e	R
<i>Ocotea kenyensis</i> (Chiov.) Robyns et Wilczek	R	ne	R
LEGUMINOSAE			
<i>Acacia hebeclada</i> DC. ssp. <i>chobiensis</i> (O.B. Miller) A. Schreib.	R	ne	R
<i>Acacia hebeclada</i> DC. ssp. <i>tristis</i> (Welw. ex Oliv.) A. Schreib.	R	e	R
<i>Acacia montis-usti</i> Merxm. et A. Schreib.	R	e	R
<i>Acacia robyniana</i> Merxm. et A. Schreib.	R	e	U
<i>Acacia welwitschii</i> Oliv. ssp. <i>dela-</i> <i>goensis</i> (Harms) J.H. Ross & Brenan	R	ne	nt
<i>Albizia amara</i> (Roxb.) Boiv. ssp. <i>sericocephala</i> (Benth.) Brenan	U	ne	nt
<i>Albizia antunesiana</i> Harms	U	ne	nt
<i>Albizia suluensis</i> Gerstn.	R	e	R
<i>Amblygonocarpus andongensis</i> (Welw. ex Oliv.) Exell & Torre	U	ne	nt
<i>Aspalathus acanthiloba</i> Dahlg.	U	e	U
<i>Aspalathus acanthophylla</i> Peterson & Dahlg.	I	e	I
<i>Aspalathus aciloba</i> Dahlg.	U	e	U
<i>Aspalathus arenaria</i> Dahlg.	U	e	U
<i>Aspalathus barbiger</i> Dahlg.	I	e	I
<i>Aspalathus bidouwensis</i> Garab. ex Dahlg.	I	e	I
<i>Aspalathus borbonifolia</i> Dahlg.	R	e	R
<i>Aspalathus burchelliana</i> Benth.	U	e	U
<i>Aspalathus campestris</i> Dahlg.	U	e	U
<i>Aspalathus candidula</i> Dahlg.	U	e	U
<i>Aspalathus compacta</i> Dahlg.	U	e	U
<i>Aspalathus comptonii</i> Dahlg.	R	e	R
<i>Aspalathus concava</i> Bol.	U	e	U
<i>Aspalathus corniculata</i> Dahlg.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Aspalathus decora</i> Dahlg.	U	e	U
<i>Aspalathus desertorum</i> Bol.	R	e	R
<i>Aspalathus digitifolia</i> Dahlg.	U	e	U
<i>Aspalathus erythroides</i> Eckl. & Zeyh.	U	e	U
<i>Aspalathus esterhuyseniae</i> Dahlg.	R	e	R
<i>Aspalathus excelsa</i> Dahlg.	R	e	R
<i>Aspalathus fasciculata</i> Druce	R	e	R
<i>Aspalathus ferox</i> Harv.	U	e	U
<i>Aspalathus florulenta</i> Dahlg.	U	e	U
<i>Aspalathus fourcadei</i> L. Bol.	U	e	U
<i>Aspalathus glabrata</i> Dahlg.	I	e	I
<i>Aspalathus glossoides</i> Dahlg.	U	e	U
<i>Aspalathus grobleri</i> Dahlg.	U	e	U
<i>Aspalathus hypnoides</i> Dahlg.	U	e	U
<i>Aspalathus incana</i> Dahlg.	U	e	U
<i>Aspalathus karrooensis</i> Dahlg.	U	e	U
<i>Aspalathus lamarckiana</i> Dahlg.	U	e	U
<i>Aspalathus latifolia</i> Bol.	U	e	U
<i>Aspalathus lenticula</i> Bol.	U	e	U
<i>Aspalathus longifolia</i> Benth.	U	e	U
<i>Aspalathus macrantha</i> Harv.	U	e	U
<i>Aspalathus macrocarpa</i> Eckl. & Zeyh.	U	e	U
<i>Aspalathus obliqua</i> Dahlg.	U	e	U
<i>Aspalathus obtusifolia</i> Dahlg.	U	e	U
<i>Aspalathus odontoloba</i> Dahlg.	U	e	U
<i>Aspalathus orbiculata</i> Benth.	U	e	U
<i>Aspalathus pallescens</i> Eckl. & Zeyh.	U	e	U
<i>Aspalathus pilantha</i> Dahlg.	U	e	U
<i>Aspalathus prostrata</i> Eckl. & Zeyh.	U	e	U
<i>Aspalathus quadrata</i> L. Bol.	U	e	U
<i>Aspalathus ramosissima</i> Dahlg.	U	e	U
<i>Aspalathus rectistyla</i> Dahlg.	U	e	U
<i>Aspalathus rostrata</i> Benth.	U	e	U
<i>Aspalathus rycroftii</i> Dahlg.	V	e	V
<i>Aspalathus smithii</i> Dahlg.	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<i>Aspalathus stokoei</i> L. Bol.	R	e	R
<i>Aspalathus suaveolens</i> Eckl. & Zeyh.	R	e	R
<i>Aspalathus sulphurea</i> Dahlg.	U	e	U
<i>Aspalathus vacciniifolia</i> Dahlg.	U	e	U
<i>Aspalathus variegata</i> Eckl. & Zeyh.	X	e	X
<i>Aspalathus vulpina</i> Garab. ex Dahlg.	U	e	U
<i>Bauhinia bowkeri</i> Harv.	R	e	R
<i>Calpurnia robinioides</i> E. Mey.	R	e	R
<i>Calpurnia woodii</i> Schinz	R	e	R
<i>Cordyla africana</i> Lour.	R	ne	nt
<i>Craibia zimmermannii</i> (Harms) Harms ex Dunn	R	ne	nt
<i>Dialium schlechteri</i> Harms	R	ne	nt
<i>Elephantorrhiza praetermissa</i> J.H. Ross	U	e	U
<i>Elephantorrhiza</i> sp. nova	V	e	V
<i>Entada pursaetha</i> DC.	R	ne	nt
<i>Erythrina decora</i> Harms	R	e	R
<i>Guibourtia conjugata</i> (Bolle) J. Léon.	R	ne	nt
<i>Kotschyia thymodora</i> (Bak. f.) Wild var. <i>thymodora</i>	R	ne	nt
<i>Liparia splendens</i> Bos et De Wit	U	e	U
<i>Sophora inhambanensis</i> Klotzsch	R	ne	R
<i>Umtiza listerana</i> Sim	R	e	R
<i>Xeroderris stuhlmannii</i> (Taub.) Mendonça & E.P. Sousa	R	ne	nt
<i>Xylia torreana</i> Brenan	R	ne	nt

LILIACEAE

<i>Agapanthus coddii</i> Leighton	U	e	U
<i>Agapanthus dyeri</i> Leighton	U	e	U
<i>Agapanthus walshii</i> L. Bol.	R	e	R
<i>Aloe albida</i> (Stapf) Reynolds	V	e	V
<i>Aloe angelica</i> Pole Evans	R	e	R



	Southern Africa	Endemic/ Non-endemic	World
<i>Aloe buhrii</i> Lavranos	R	e	R
<i>Aloe distans</i> Haw.	R	e	R
<i>Aloe erinacea</i> Hardy	V	ne	U
<i>Aloe gerstneri</i> Reynolds	V	e	V
<i>Aloe graciliflora</i> Groenewald	R	e	R
<i>Aloe greenii</i> Bak.	R	e	R
<i>Aloe karasbergensis</i> Pillans	V	e	V
<i>Aloe keithii</i> Reynolds	U	e	U
<i>Aloe minima</i> Bak. var <i>blyderivierensis</i> (Groen.) Reynolds	R	e	R
<i>Aloe monotropa</i> Verdoorn	V	e	V
<i>Aloe peglerae</i> Schonl.	R	e	R
<i>Aloe petrophila</i> Pillans	R	e	R
<i>Aloe polyphylla</i> Schonl.	V	e	V
<i>Aloe prinslooii</i> Verdoorn & Hardy	U	e	U
<i>Aloe pruinosa</i> Reynolds	R	e	R
<i>Aloe reitzii</i> Reynolds	U	e	U
<i>Aloe reitzii</i> Reynolds var. <i>nova</i>	U	e	U
<i>Aloe reynoldsii</i> Letty	V	e	V
<i>Aloe simii</i> Pole Evans	R	ne	U
<i>Aloe soutpansbergensis</i> Verdoorn	R	e	R
<i>Aloe suffulta</i> Reynolds	R	e	R
<i>Aloe thompsoniae</i> Groenewald	U	e	U
<i>Aloe thorncroftii</i> Pole Evans	R	e	R
<i>Aloe vandermerwei</i> Reynolds	R	e	R
<i>Aloe vogtsii</i> Reynolds	R	e	R
<i>Aloe vossii</i> Reynolds	R	e	R
<i>Amphisiphon stylosa</i> Barker	E	e	E
<i>Androcymbium fenestratum</i> Schltr. & <i>Krause</i>	U	e	U
<i>Androcymbium scabromarginatum</i> Phill.	U	e	U
<i>Androsiphon capensis</i> Schltr.	R	e	R
<i>Bulbine brunsvigiaefolia</i> Bak.	U	e	U
<i>Bulbine flexicaulis</i> Bak.	U	e	U
<i>Bulbine minima</i> Bak.	U	e	U
<i>Bulbine urgieoides</i> Bak.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Chlorophytum lewisae</i> Oberm.	U	e	U
<i>Chlorophytum monophyllum</i> Oberm.	U	e	U
<i>Daubenya aurea</i> Lindl.	U	e	U
<i>Dracaena usambarensis</i> Engl.	R	ne	nt
<i>Eriospermum cervicorne</i> Marloth	U	e	U
<i>Eriospermum fasciculatum</i> A.V. Duthie	U	e	U
<i>Eriospermum patentiflorum</i> Schltr.	U	e	U
<i>Eriospermum stoloniferum</i> Marloth	U	e	U
<i>Eriospermum villosum</i> Bak.	U	e	U
<i>Eucomis humilis</i> Bak.	R	e	R
<i>Eucomis montana</i> Compton	R	e	R
<i>Eucomis</i> sp. nova ( <i>schijfii</i> Reyneke ined.)	U	e	U
<i>Eucomis vandermerwei</i> Verdoorn	R	e	R
<i>Galtonia viridiflora</i> Verdoorn	R	e	R
<i>Gasteria armstrongii</i> Schonl.	U	e	U
<i>Gasteria lilliputana</i> V. Poelln.	U	e	U
<i>Haworthia blackburniae</i> Barker	R	e	R
<i>Haworthia koelmaniorum</i> Oberm. & Hardy	R	e	R
<i>Haworthia marginata</i> (Lam.) Stearn	I	e	I
<i>Haworthia maughanii</i> von Poelln.	I	e	I
<i>Haworthia rubriflora</i> (L. Bol.) C.A.E. Parr	I	e	I
<i>Haworthia springbokvlakensis</i> C.L. Scott	I	e	I
<i>Haworthia truncata</i> Schonl.	I	e	I
<i>Kniphofia acraea</i> Codd	I	e	I
<i>Kniphofia citrina</i> Bak.	I	e	I
<i>Kniphofia coddiana</i> Cuf.	R	e	R
<i>Kniphofia coralligemma</i> E.A. Bruce	R	e	R
<i>Kniphofia crassifolia</i> Bak.	U	e	U
<i>Kniphofia drepanophylla</i> Bak.	V	e	V
<i>Kniphofia ensifolia</i> Bak. ssp. <i>autumnalis</i> Codd	R	e	R
<i>Kniphofia evansii</i> Bak.	R	e	R
<i>Kniphofia fibrosa</i> Bak.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Kniphofia flammula</i> Codd	V	e	V
<i>Kniphofia hirsuta</i> Codd	V	e	V
<i>Kniphofia latifolia</i> Codd	V	e	V
<i>Kniphofia litoralis</i> Codd	V	e	V
<i>Kniphofia pauciflora</i> Bak.	E	e	E
<i>Kniphofia praecox</i> Bak. ssp. <i>bruceae</i> Codd	R	e	R
<i>Kniphofia rigidifolia</i> E.A. Bruce	R	e	R
<i>Kniphofia rooperi</i> (S. Moore) Lem.	V	e	V
<i>Kniphofia rufa</i> Bak.	I	e	I
<i>Kniphofia thodei</i> Bak.	R	e	R
<i>Kniphofia triangularis</i> Kunth ssp. <i>obtusiloba</i> (Berger) Codd	R	e	R
<i>Kniphofia tysonii</i> Bak. ssp. <i>lebomboensis</i> Codd	I	e	I
<i>Kniphofia umbrina</i> Codd	V	e	V
<i>Lachenalia campanulata</i> Bak.	I	e	I
<i>Lachenalia convallarioides</i> Bak. var <i>convallarioides</i>	I	e	I
<i>Lachenalia convallarioides</i> var. <i>robusta</i> Bak.	I	e	I
<i>Lachenalia haarlemensis</i> Fourc.	I	e	I
<i>Lachenalia mathewsii</i> Barker	X	e	X
<i>Lachenalia muirii</i> Barker	U	e	U
<i>Lachenalia polyphylla</i> Bak.	V	e	V
<i>Lachenalia purpureo-caerulea</i> Jacq.	E	e	E
<i>Lachenalia rhodantha</i> Bak.	I	e	I
<i>Lachenalia viridiflora</i> Barker	V	e	V
<i>Massonia laeta</i> Mass.	U	e	U
<i>Massonia nervosa</i> Hornem.	I	e	I
<i>Neopatersonia namaquensis</i> Lewis	R	e	R
<i>Neopatersonia uitenhagensis</i> Schonl.	U	e	U
<i>Ornithogalum inclusum</i> Leighton	U	e	U
<i>Ornithogalum secundum</i> Jacq.	I	e	I
<i>Polyxena corymbosa</i> (L.) Jessop	U	e	U
<i>Scilla plumbea</i> Lindl.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Trachyandra adamsonii</i> Oberm.	U	e	U
<i>Trachyandra gracilentata</i> Oberm.	U	e	U
<i>Urginea duthiae</i> Adamson	X	e	X
<i>Urginea ecklonii</i> Bak.	X	e	X
<i>Urginea forsteri</i> Bak.	U	e	U
<i>Urginea minor</i> A.V. Duthie	I	e	I
<i>Urginea pedunculata</i> Adamson	U	e	U
<i>Urginea pygmaea</i> A.V. Duthie	I	e	I
<i>Urginea revoluta</i> A.V. Duthie	U	e	U
LINACEAE			
<i>Hugonia orientalis</i> Engl.	R	ne	nt
LYTHRACEAE			
<i>Rhynchocalyx lawsonioides</i> Oliv.	V	e	V
MALPIGHIACEAE			
<i>Triaspis glaucophylla</i> Engl.	R	e	R
MALVACEAE			
<i>Anisodonteia alexandri</i> (Bak. f.) Bates	X	e	X
<i>Anisodonteia dissecta</i> (Harv.) Bates	U	e	U
<i>Anisodonteia gracilis</i> Bates	U	e	U
<i>Anisodonteia pseudocapensis</i> Bates	U	e	U
<i>Anisodonteia racemosa</i> (Harv.) Bates	U	e	U
<i>Anisodonteia theronii</i> Bates	U	e	U
<i>Hibiscus waterbergensis</i> Exell	U	e	U
MARSILEACEAE			
<i>Marsilea schelpeana</i> Launert	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<b>MELIACEAE</b>			
<i>Entandrophragma spicatum</i> (C.DC.) Sprague	R	ne	U
<i>Pseudobersama mossambicensis</i> (Sim) Verdc.	R	ne	nt
<i>Turraea zambesica</i> Styles & White	U	ne	U
<b>MESEMBRYANTHEMACEAE</b>			
<i>Berrisfordia khamiesbergensis</i> L. Bol.	I	e	I
<i>Caryotophora skiatophytoides</i> Leistner	R	e	R
<i>Chasmatophyllum maninum</i> L. Bol.	U	e	U
<i>Didymaotus lapidiformis</i> (Marloth) N.E. Br.	V	e	V
<i>Dinteranthus vanzylii</i> L. Bol.	R	e	R
<i>Diplosoma leipoldtii</i> L. Bol.	I	e	I
<i>Diplosoma retroversum</i> (Kensit) Schwantes	E	e	E
<i>Dorotheanthus bidouwensis</i> L. Bol.	I	e	I
<i>Dorotheanthus booyensii</i> L. Bol.	I	e	I
<i>Dorotheanthus rourkei</i> L. Bol.	U	e	U
<i>Faucaria candida</i> L. Bol.	I	e	I
<i>Faucaria longidens</i> L. Bol.	U	e	U
<i>Frithia pulchra</i> N.E. Br.	R	e	R
<i>Galenia fruticosa</i> (L.f.) Sond. var. <i>prostrata</i> Adamson	U	e	U
<i>Gibbaeum angulipes</i> (L. Bol.) N.E.Br.	U	e	U
<i>Gibbaeum esterhuyseniae</i> L. Bol.	X	e	X
<i>Gibbaeum pachypodium</i> L. Bol.	U	e	U
<i>Glottiphyllum unionalense</i> L. Bol.	U	e	U
<i>Herreanthus meyeri</i> Schwant.	I	e	I
<i>Imitaria muirii</i> N.E. Br.	U	e	U
<i>Juttadinteria albata</i> L. Bol.	I	e	I
<i>Juttadinteria tetrasepala</i> L. Bol.	I	e	I
<i>Kensitia pillansii</i> (Kensit) N.E. Br.	U	e	U
<i>Lampranthus algoensis</i> L. Bol.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Lampranthus arbuthnotiae</i> L. Bol.	U	e	U
<i>Lampranthus fugitans</i> L. Bol.	R	e	R
<i>Lampranthus rustii</i> N.E.Br.	R	e	R
<i>Lithops comptonii</i> L. Bol.	E	e	E
<i>Lithops divergens</i> L. Bol.	V	e	V
<i>Lithops salicola</i> L. Bol.	V	e	V
<i>Maughaniella luckhoffii</i> (L. Bol.) L. Bol.	I	e	I
<i>Mossia intervallaris</i> (L. Bol.) N.E.Br.	R	e	R
<i>Muiria hortenseae</i> N.E. Br.	E	e	E
<i>Nelia pillansii</i> (N.E. Br.) Schwant.	I	e	I
<i>Nelia schlechteri</i> Schwant.	I	e	I
<i>Neohenricia sibbettii</i> L. Bol.	V	e	V
<i>Oophytum oriforme</i> N.E. Br.	I	e	I
<i>Ophthalmophyllum australe</i> L. Bol.	I	e	I
<i>Ophthalmophyllum haramoepense</i> L. Bol.	I	e	I
<i>Ophthalmophyllum littlewoodii</i> L. Bol.	U	e	U
<i>Ophthalmophyllum longitubum</i> L. Bol.	U	e	U
<i>Ophthalmophyllum noctiflorum</i> L. Bol.	U	e	U
<i>Ophthalmophyllum spathulatum</i> L. Bol.	U	e	U
<i>Ophthalmophyllum vanheerdei</i> L. Bol.	U	e	U
<i>Ophthalmophyllum verrucosum</i> Lavis	I	e	I
<i>Ophthalmophyllum villetii</i> L. Bol.	I	e	I
<i>Pherolobus maughani</i> N.E. Br.	I	e	I
<i>Pleiospilos hilmari</i> L. Bol.	E	e	E
<i>Pleiospilos kingiae</i> L. Bol.	U	e	U
<i>Pleiospilos leipoldtii</i> L. Bol.	I	e	I
<i>Pleiospilos prismaticus</i> Schw.	E	e	E
<i>Rabiea jamesii</i> (L. Bol.) L. Bol.	I	e	I
<i>Rhinephyllum inaequale</i> L. Bol.	I	e	I
<i>Ruschia leipoldtii</i> L. Bol.	E	e	E
<i>Saphesia flaccida</i> (Jacq.) N.E. Br.	E	e	E
<i>Sceletium expansum</i> (L.) L. Bol.	I	e	I
<i>Sceletium ovatum</i> L. Bol.	I	e	I
<i>Schwantesia acutipetala</i> L. Bol.	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Schwantesia australis</i> L. Bol.	I	e	I
<i>Schwantesia pillansii</i> L. Bol.	I	e	I
<i>Schwantesia speciosa</i> L. Bol.	I	e	I
<i>Schwantesia triebneri</i> L. Bol.	I	e	I
<i>Sphalanthus arenicolus</i> (L. Bol.) L. Bol.	U	e	U
<i>Stomatium geoffreyi</i> L. Bol.	E	e	E
<i>Stomatium ronaldii</i> L. Bol.	E	e	E
<i>Trichodiadema aurea</i> L. Bol.	I	e	I
<i>Trichodiadema burgeri</i> L. Bol.	R	e	R
<i>Trichodiadema densum</i> (Haw.) Schwant.	R	e	R
<i>Trichodiadema hallii</i> L. Bol.	R	e	R
<i>Trichodiadema obliquum</i> L. Bol.	I	e	I
<i>Trichodiadema peersii</i> L. Bol.	I	e	I
<i>Trichodiadema pygmaeum</i> L. Bol.	I	e	I
<i>Trichodiadema rogersiae</i> L. Bol.	I	e	I
<i>Trichodiadema rupicolum</i> L. Bol.	I	e	I

MORACEAE

<i>Bosqueia phoberos</i> Baill.	R	ne	nt
<i>Ficus fischeri</i> Warb.	R	ne	nt
<i>Ficus tremula</i> Warb.	U	ne	U
<i>Morus mesozygia</i> Stapf	R	ne	nt

MUSACEAE

<i>Ensete ventricosum</i> (Welw.) E.E. Cheesm.	I	ne	nt
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MYRSINACEAE

<i>Myrsine pillansii</i> Adamson	R	e	R
<i>Rapanea gilliana</i> (Sond.) Mez	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<b>MYRTACEAE</b>			
<i>Eugenia erythrophylla</i> Strey	U	e	U
<i>Heteropyxis canescens</i> Oliv.	R	e	R
<b>NYMPHAEACEAE</b>			
<i>Nymphaea lotus</i> L.	R	ne	nt
<b>OCHNACEAE</b>			
<i>Ochna glauca</i> Verdoorn	U	ne	U
<b>OLEACEAE</b>			
<i>Jasminum abyssinicum</i> Hochst. ex DC.	U	ne	nt
<i>Linociera battiscombei</i> Hutch.	R	e	R
<i>Schrebera trichoclada</i> Welw.	U	ne	nt
<b>OPHIOGLOSSACEAE</b>			
<i>Ophioglossum bergianum</i> Schlechtd.	U	e	U
<b>ORCHIDACEAE</b>			
<i>Acrolophia comosa</i> Schltr. & Bol.	U	e	U
<i>Acrolophia micrantha</i> Schltr. & Bol.	R	e	R
<i>Acrolophia ustulata</i> Schltr. & Bol.	X	e	X
<i>Amphigena leptostachya</i> Rolfe	R	e	R
<i>Amphigena tenuis</i> (Lindl.) Rolfe	R	e	R
<i>Angraecum chamaeanthus</i> Schltr.	R	e	R
<i>Anochilus flanagani</i> (Bol.) Rolfe	R	e	R
<i>Ansellia gigantea</i> Reichb. f. and vars.	I	ne	nt
<i>Bonatea densiflora</i> Sond.	U	e	U



	Southern Africa	Endemic/ Non-endemic	World
<i>Bonatea saundersiae</i> (Harv.) Dur. & Schinz	I	e	I
<i>Brachycorythis macowaniana</i> Reichb. f.	U	e	U
<i>Calanthe natalensis</i> (Reichb. f.) Reichb. f.	I	e	I
<i>Corycium bifidum</i> Sond.	I	e	I
<i>Corycium deflexum</i> (Bol.) Rolfe	U	e	U
<i>Corycium tricuspdatum</i> (Schltr.) Bol.	I	e	I
<i>Corycium venosum</i> (Lindl.) Rolfe	U	e	U
<i>Corycium vestitum</i> Sweet	X	e	X
<i>Corymborkis corymbosa</i> Thouars	E	e	E
<i>Cynorkis compacta</i> (Reichb. f.) Rolfe	I	e	I
<i>Disa basutorum</i> Kraenzl. non Schltr.	U	e	U
<i>Disa begleyi</i> L. Bol.	U	e	U
<i>Disa brachyceras</i> Lindl.	U	e	U
<i>Disa breyeri</i> Schltr.	U	e	U
<i>Disa caffra</i> Bol.	U	e	U
<i>Disa extinctoria</i> Reichb. f.	U	e	U
<i>Disa falcata</i> Schltr.	U	e	U
<i>Disa fanniniae</i> Harv. ex Rolfe	U	e	U
<i>Disa frigida</i> Schltr.	R	e	R
<i>Disa galpinii</i> Rolfe	R	e	R
<i>Disa kraussii</i> Rolfe	U	e	U
<i>Disa longifolia</i> Lindl.	R	e	R
<i>Disa micropetala</i> Schltr.	R	e	R
<i>Disa montana</i> Sond.	U	e	U
<i>Disa neglecta</i> Sond.	V	e	V
<i>Disa ovalifolia</i> Sond.	R	e	R
<i>Disa pillansii</i> L. Bol.	R	e	R
<i>Disa rhodantha</i> Schltr.	U	e	U
<i>Disa salteri</i> Lewis	R	e	R
<i>Disa sanguinea</i> Sond.	U	e	U
<i>Disa sankeyi</i> Rolfe	U	e	U
<i>Disa schlechteriana</i> Bol.	R	e	R
<i>Disa scullyi</i> Bol.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Disa stokoei</i> L. Bol.	E	e	E
<i>Disa tabularis</i> Sond.	R	e	R
<i>Disa tenuicornis</i> Bol.	R	e	R
<i>Disa thodei</i> Schltr.	U	e	U
<i>Disa tysonii</i> Bol.	R	e	R
<i>Disa woodii</i> Schltr.	U	e	U
<i>Disa zuluensis</i> Rolfe	U	e	U
<i>Disperis allisonii</i> Rolfe	U	e	U
<i>Disperis anomala</i> Schltr.	U	e	U
<i>Disperis bicolor</i> Rolfe	U	e	U
<i>Disperis bodkini</i> Bol.	R	e	R
<i>Disperis buchananii</i> Rolfe	U	e	U
<i>Disperis concinna</i> Schltr.	U	e	U
<i>Disperis ermelensis</i> Rolfe	U	e	U
<i>Disperis flava</i> Rolfe	U	e	U
<i>Disperis gracilis</i> Schltr.	U	e	U
<i>Disperis kermesina</i> Rolfe	U	e	U
<i>Disperis macrocorys</i> Rolfe	U	e	U
<i>Disperis natalensis</i> Rolfe	U	e	U
<i>Disperis stenoglossa</i> Schltr.	I	e	I
<i>Disperis woodii</i> Bol.	I	e	I
<i>Eulophia austrooccidentalis</i> Soelch	I	e	I
<i>Eulophia coddii</i> A.V. Hall	I	e	I
<i>Eulophia cooperi</i> Reichb. f.	R	e	R
<i>Eulophia holubii</i> Rolfe	I	e	I
<i>Eulophia leachii</i> Greatrex ex A.V. Hall	I	e	I
<i>Eulophia leucantha</i> (Kraenzl.) Soelch	I	e	I
<i>Eulophia litoralis</i> Schltr.	I	e	I
<i>Eulophia meleagris</i> Reichb. f.	I	e	I
<i>Eulophia platypetala</i> Lindl.	V	e	V
<i>Eulophia tabularis</i> (L.f.) Bol.	R	e	R
<i>Eulophia zeyheriana</i> Sond.	R	e	R
<i>Habenaria kraenzliniana</i> Schltr.	U	e	U
<i>Habenaria laevigata</i> Lindl. ssp. <i>bicolor</i> (Conrath & Kraenzl.) Schltr.	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Habenaria rehmannii</i> Bol.	I	e	I
<i>Herschelia atropurpurea</i> Rolfe	I	e	I
<i>Herschelia barbata</i> (L.f.) Bol.	E	e	E
<i>Herschelia charpentierana</i> (Reichb.f.) Kraenzl.	U	e	U
<i>Herschelia lugens</i> Bol.	E	e	E
<i>Herschelia multifida</i> Rolfe	U	e	U
<i>Herschelia tripartita</i> (Lindl.) Rolfe	R	e	R
<i>Holothrix confusa</i> Rolfe	I	e	I
<i>Holothrix grandiflora</i> Reichb. f.	U	e	U
<i>Holothrix lithophila</i> Schltr.	U	e	U
<i>Holothrix longicornu</i> Lewis	U	e	U
<i>Holothrix macowaniana</i> Reichb. f.	U	e	U
<i>Holothrix micrantha</i> Schltr.	U	e	U
<i>Holothrix pilosa</i> Reichb. f.	I	e	I
<i>Huttonea woodii</i> Schltr.	U	e	U
<i>Monadenia ecalcarata</i> Lewis	R	e	R
<i>Monadenia leydenbergensis</i> Kraenzl.	U	e	U
<i>Monadenia macrostachya</i> Lindl.	E	e	E
<i>Monadenia physodes</i> Sweet	I	e	I
<i>Monadenia pygmaea</i> Dur. & Schinz	U	e	U
<i>Monadenia sabulosa</i> (Bol.) Kraenzl.	R	e	R
<i>Mystacidium millarii</i> Bol.	R	e	R
<i>Neobolusia tysonii</i> Schltr.	R	e	R
<i>Nervilia kotschyi</i> (Reichb. f.) Schltr.	E	ne	nt
<i>Nervilia natalensis</i> Schelpe	I	e	I
<i>Oberonia disticha</i> (Lam.) Schltr.	U	ne	U
<i>Orthopenthea bodkini</i> (Bol.) Rolfe	R	e	R
<i>Orthopenthea minor</i> Rolfe	R	e	R
<i>Pachites appressa</i> Lindl.	I	e	I
<i>Pachites bodkini</i> Bol.	V	e	V
<i>Polystachya albescens</i> Rioll ssp. <i>imbricata</i> (Rolfe) Summerh.	U	ne	nt
<i>Satyrium foliosum</i> Sweet	V	e	V
<i>Satyrium guthriei</i> Bol.	X	e	X

	Southern Africa	Endemic/ Non-endemic	World
<i>Satyrium microrrhynchum</i> Schltr.	U	e	U
<i>Satyrium muticum</i> Lindl.	E	e	E
<i>Satyrium rhodanthum</i> Schltr.	U	e	U
<i>Schizochilus gerrardii</i> (Reichb. f.) Bol.	I	e	I
<i>Schizochilus pulchellus</i> Schltr.	I	e	I
<i>Schizochilus rudatisii</i> Schltr.	I	e	I
<i>Schizodium longipetalum</i> Lindl.	I	e	I
<i>Schizodium obliquum</i> Lindl.	U	e	U
<i>Stenoglottis longifolia</i> Hook. f.	I	e	I

OXALIDACEAE

<i>Oxalis anomala</i> Salter	U	e	U
<i>Oxalia attaquana</i> Salter	U	e	U
<i>Oxalis blastorrhiza</i> Salter	U	e	U
<i>Oxalis burtoniae</i> Salter	I	e	I
<i>Oxalis callimarginata</i> Weintraub	U	e	U
<i>Oxalis calvinensis</i> R. Knuth.	U	e	U
<i>Oxalis cathara</i> Salter	U	e	U
<i>Oxalis ciliaris</i> Jacq. var. <i>pageae</i> (L. Bol.) Salter	U	e	U
<i>Oxalis comptonii</i> Salter	U	e	U
<i>Oxalis creaseyi</i> Salter	U	e	U
<i>Oxalis crispula</i> Sond. var. <i>crispula</i>	U	e	U
<i>Oxalis crispula</i> Sond. var. <i>glandulosa</i> Salter	U	e	U
<i>Oxalis crocea</i> Salter	U	e	U
<i>Oxalis cuneata</i> Jacq.	U	e	U
<i>Oxalis deserticola</i> Salter	R	e	R
<i>Oxalis dichotoma</i> Salter	U	e	U
<i>Oxalis duriuscula</i> Schltr.	U	e	U
<i>Oxalis extensa</i> Salter	U	e	U
<i>Oxalis fourcadei</i> Salter	U	e	U
<i>Oxalis fragilis</i> Salter var. <i>fragilis</i>	I	e	I
<i>Oxalis fragilis</i> var. <i>pellucida</i> Salter	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Oxalis heidelbergensis</i> Salter	U	e	U
<i>Oxalis henrici</i> Bol.	U	e	U
<i>Oxalis involuta</i> Salter	R	e	R
<i>Oxalis ioeides</i> Salter & Exell	U	e	U
<i>Oxalis lasiorrhiza</i> Salter	U	e	U
<i>Oxalis levis</i> Salter	V	e	V
<i>Oxalis lichenoides</i> Salter	R	e	R
<i>Oxalis lindaviana</i> Schltr.	I	e	I
<i>Oxalis lineolata</i> Salter	I	e	I
<i>Oxalis luteola</i> Jacq. var. <i>minor</i> Salter	U	e	U
<i>Oxalis marlothii</i> Schltr. ex R. Knuth.	U	e	U
<i>Oxalis massoniana</i> Salter var. <i>massoniana</i>	U	e	U
<i>Oxalis massoniana</i> Salter var. <i>flavescens</i> Salter	U	e	U
<i>Oxalis melanograptia</i> Salter	R	e	R
<i>Oxalis melanosticta</i> Sond. var. <i>latifolia</i> Salter	U	e	U
<i>Oxalis microdonta</i> Salter	I	e	I
<i>Oxalis natans</i> L.f.	E	e	E
<i>Oxalis oligophylla</i> Salter	U	e	U
<i>Oxalis orbicularis</i> Salter	U	e	U
<i>Oxalis oreithala</i> Salter	U	e	U
<i>Oxalis oreophila</i> Salter	U	e	U
<i>Oxalis perineson</i> Salter & Exell	V	e	V
<i>Oxalis porphyriosiphon</i> Salter	U	e	U
<i>Oxalis pulvinata</i> Salter	U	e	U
<i>Oxalis purpurata</i> Jacq.	U	e	U
<i>Oxalis reclinata</i> Jacq. var. <i>gracillima</i> Salter	U	e	U
<i>Oxalis reclinata</i> Jacq. var. <i>quinata</i> Salter	U	e	U
<i>Oxalis reclinata</i> Jacq. var. <i>reclinata</i>	U	e	U
<i>Oxalis rhomboidea</i> Salter	U	e	U
<i>Oxalis rubro-punctata</i> Salter	U	e	U
<i>Oxalis senecta</i> Salter	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Oxalis simplex</i> Salter	U	e	U
<i>Oxalis stellata</i> Eckl. & Zeyh. var. <i>gracilior</i> Salter	U	e	U
<i>Oxalis stellata</i> Eckl. & Zeyh. var. <i>montaguensis</i> Salter	U	e	U
<i>Oxalis subsessilis</i> L. Bol.	I	e	I
<i>Oxalis tenuis</i> Salter	U	e	U
<i>Oxalis virginea</i> Jacq.	R	e	R
PASSIFLORACEAE			
<i>Adenia fruticosa</i> Burtt Davy ssp. <i>simplicifolia</i> De Wilde.	U	e	U
PEDALIACEAE			
<i>Sesamothamnus benguellensis</i> Welw.	U	ne	U
PENAEACEAE			
<i>Brachysiphon mundii</i> Sond.	R	e	R
<i>Endonema lateriflora</i> (L.f.) Gilg	R	e	R
<i>Endonema retzioides</i> Sond.	R	e	R
<i>Glischrocolla formosa</i> (Thunb.) Dahlg.	V	e	V
<i>Sonderothamnus speciosus</i> (Sond.) Dahlg.	R	e	R
<i>Stylapterus barbatus</i> A. Juss.	I	e	I
<i>Stylapterus dubius</i> (Steph.) Dahlg.	R	e	R
<i>Stylapterus ericifolius</i> (A. Juss.) Dahlg.	R	e	R
<i>Stylapterus ericoides</i> A. Juss. ssp. <i>ericoides</i>	V	e	V
<i>Stylapterus ericoides</i> A. Juss. ssp. <i>pallidus</i> Dahlg.	R	e	R
<i>Stylapterus micranthus</i> Dahlg.	X	e	X

	Southern Africa	Endemic/ Non-endemic	World
<b>PLUMBAGINACEAE</b>			
<i>Limonium acuminatum</i> L. Bol.	V	e	V
<i>Limonium capense</i> (L. Bol.) L. Bol.	I	e	I
<b>POLYGALACEAE</b>			
<i>Muraltia aciphylla</i> Levyns	I	e	I
<i>Muraltia angustiflora</i> Levyns	I	e	I
<i>Muraltia barkerae</i> Levyns	V	e	V
<i>Muraltia calycina</i> Harv.	V	e	V
<i>Muraltia capensis</i> Levyns	U	e	U
<i>Muraltia carnosae</i> E. Mey. ex Harv.	U	e	U
<i>Muraltia chamaepitys</i> Schltr.	R	e	R
<i>Muraltia comptonii</i> Levyns	I	e	I
<i>Muraltia concava</i> Levyns	I	e	I
<i>Muraltia cuspidata</i> Chod.	I	e	I
<i>Muraltia ferox</i> Levyns	I	e	I
<i>Muraltia gillettiae</i> Levyns	U	e	U
<i>Muraltia guthriei</i> Levyns	R	e	R
<i>Muraltia harveyana</i> Levyns	I	e	I
<i>Muraltia hirsuta</i> Levyns	I	e	I
<i>Muraltia karroica</i> Levyns	I	e	I
<i>Muraltia pappeana</i> Harv.	U	e	U
<i>Muraltia pottebergensis</i> Levyns	U	e	U
<i>Muraltia satureioides</i> DC. var. <i>salteri</i> Levyns	E	e	E
<i>Muraltia serrata</i> Levyns	U	e	U
<i>Muraltia spicata</i> Bol.	U	e	U
<i>Polygala dasyphylla</i> Levyns	I	e	I
<i>Polygala langebergensis</i> Levyns	I	e	I
<i>Polygala lasiosepala</i> Levyns	U	e	U
<i>Polygala pottebergensis</i> Levyns	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
PROTEACEAE			
<i>Diastella buekii</i> (Gand.) Rourke	E	e	E
<i>Diastella myrtifolia</i> Knight	R	e	R
<i>Diastella parilis</i> Salisb. ex Knight	R	e	R
<i>Faurea macnaughtonii</i> Phill.	R	e	R
<i>Leucadendron argenteum</i> (L.) R. Br.	V	e	V
<i>Leucadendron bonum</i> I. Williams	E	e	E
<i>Leucadendron brunioides</i> Meisn. var. <i>flumenlupinum</i> I. Williams	R	e	R
<i>Leucadendron burchellii</i> I. Williams	I	e	I
<i>Leucadendron cadens</i> I. Williams	R	e	R
<i>Leucadendron chamelaea</i> (Lam.) I. Williams	E	e	E
<i>Leucadendron cinereum</i> (Soland. ex Ait.) R. Br.	V	e	V
<i>Leucadendron comosum</i> (Thunb.) R. Br. ssp. <i>homoeophyllum</i> (Meisn.) I. Williams	X	e	X
<i>Leucadendron concavum</i> I. Williams	R	e	R
<i>Leucadendron coriaceum</i> Phill. & Hutch.	R	e	R
<i>Leucadendron corymbosum</i> Berg.	V	e	V
<i>Leucadendron cryptocephalum</i> Guth.	E	e	E
<i>Leucadendron diemontianum</i> I. Williams	R	e	R
<i>Leucadendron discolor</i> Phill. & Hutch.	R	e	R
<i>Leucadendron elimense</i> Phill. ssp. <i>elimense</i>	E	e	E
<i>Leucadendron elimense</i> Phill. ssp. <i>salteri</i> I. Williams	V	e	V
<i>Leucadendron elimense</i> Phill. ssp. <i>vyeboomense</i> I. Williams	E	e	E
<i>Leucadendron ericifolium</i> R. Br.	E	e	E
<i>Leucadendron flexuosum</i> I. Williams	E	e	E
<i>Leucadendron floridum</i> R. Br.	E	e	E
<i>Leucadendron galpinii</i> Phill. & Hutch.	R	e	R
<i>Leucadendron globosum</i> (Kennedy ex Andr.) I. Williams	V	e	V



	Southern Africa	Endemic/ Non-endemic	World
<i>Leucadendron levisanus</i> (L.) Berg.	E	e	E
<i>Leucadendron linifolium</i> (Jacq.) R. Br.	I	e	I
<i>Leucadendron macowanii</i> Phill.	E	e	E
<i>Leucadendron modestum</i> I. Williams	V	e	V
<i>Leucadendron nervosum</i> Phill. & Hutch.	R	e	R
<i>Leucadendron orientale</i> I. Williams	I	e	I
<i>Leucadendron platyspermum</i> R. Br.	V	e	V
<i>Leucadendron radiatum</i> Phill. & Hutch.	R	e	R
<i>Leucadendron remotum</i> I. Williams	R	e	R
<i>Leucadendron roodii</i> Phill.	E	e	E
<i>Leucadendron rourkei</i> I. Williams	R	e	R
<i>Leucadendron sericeum</i> (Thunb.) R. Br.	I	e	I
<i>Leucadendron singulare</i> I. Williams	R	e	R
<i>Leucadendron spirale</i> (Salisb. ex Knight) I. Williams	X	e	X
<i>Leucadendron stellare</i> (Sims) Sweet	I	e	I
<i>Leucadendron stelligerum</i> I. Williams	V	e	V
<i>Leucadendron thymifolium</i> (Salisb. ex Knight) I. Williams	E	e	E
<i>Leucadendron tradouwense</i> I. Williams	E	e	E
<i>Leucadendron verticillatum</i> (Thunb.) Meisn.	E	e	E
<i>Leucospermum arenarium</i> Rycroft	R	e	R
<i>Leucospermum bolusii</i> Gand.	R	e	R
<i>Leucospermum cordatum</i> Phill.	R	e	R
<i>Leucospermum formosum</i> (Andr.) Sweet	R	e	R
<i>Leucospermum fulgens</i> Rourke	R	e	R
<i>Leucospermum glabrum</i> Phill.	V	e	V
<i>Leucospermum muirii</i> Phill.	R	e	R
<i>Leucospermum mundii</i> Meisn.	R	e	R
<i>Leucospermum parile</i> (Salisb. ex Knight) Sweet	V	e	V
<i>Leucospermum pedunculatum</i> Klotzsch	R	e	R
<i>Leucospermum pluridens</i> Rourke	R	e	R
<i>Leucospermum praecox</i> Rourke	I	e	I
<i>Leucospermum profugum</i> Rourke	E	e	E

	Southern Africa	Endemic/ Non-endemic	World
RANUNCULACEAE			
<i>Ranunculus capensis</i> Thunb.	U	e	U
RESTIONACEAE			
<i>Cannomois aristata</i> Mast.	R	e	R
<i>Chondropetalum acockii</i> Pillans	E	e	E
<i>Chondropetalum longiflorum</i> Pillans	V	e	V
<i>Chondropetalum rectum</i> (Mast.) Pillans	V	e	V
<i>Elegia altigena</i> Pillans	U	e	U
<i>Elegia bella</i> Pillans	U	e	U
<i>Elegia extensa</i> Pillans	X	e	X
<i>Elegia fastigiata</i> Mast.	X	e	X
<i>Elegia fenestrata</i> Pillans	E	e	E
<i>Elegia prominens</i> Pillans	V	e	V
<i>Elegia stokoei</i> Pillans	V	e	V
<i>Elegia verreauxii</i> Mast.	V	e	V
<i>Hypodiscus alternans</i> Pillans	I	e	I
<i>Hypodiscus paludosus</i> Pillans	E	e	E
<i>Hypodiscus sulcatus</i> Pillans	R	e	R
<i>Hypolaena stokoei</i> Pillans	U	e	U
<i>Lamprocaulos schlechteri</i> Gilg. & Ben.	U	e	U
<i>Leptocarpus impolitus</i> (Kunth) Pillans	V	e	V
<i>Leptocarpus levynsiae</i> Pillans	R	e	R
<i>Leptocarpus monostylis</i> Pillans	I	e	I
<i>Leptocarpus ramosissimus</i> Pillans	X	e	X
<i>Leptocarpus rigoratus</i> Mast. var. <i>simulans</i> Pillans	E	e	E
<i>Restio acockii</i> Pillans	E	e	E
<i>Restio aureolus</i> Pillans	I	e	I
<i>Restio brunneus</i> Pillans	R	e	R
<i>Restio cascadenensis</i> Pillans	R	e	R
<i>Restio coactilis</i> Mast.	V	e	V
<i>Restio communis</i> Pillans	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<i>Restio distans</i> Pillans	R	e	R
<i>Restio dodii</i> Pillans var. <i>dodii</i>	R	e	R
<i>Restio dodii</i> Pillans var. <i>purpureus</i> Pillans	E	e	E
<i>Restio duthieae</i> Pillans	V	e	V
<i>Restio esterhuyseniae</i> Pillans	R	e	R
<i>Restio festucaeformis</i> Nees ex Mast.	V	e	V
<i>Restio filicaulis</i> Pillans	U	e	U
<i>Restio fuscidulus</i> Pillans	R	e	R
<i>Restio fusiformis</i> Pillans	R	e	R
<i>Restio harveyi</i> Mast.	E	e	E
<i>Restio involutus</i> Pillans	R	e	R
<i>Restio micans</i> Nees	R	e	R
<i>Restio papyraceus</i> Pillans	R	e	R
<i>Restio quinquefarius</i> Nees	V	e	V
<i>Restio sabulosus</i> Pillans	E	e	E
<i>Restio scaber</i> Mast.	V	e	V
<i>Restio setiger</i> Kunth	U	e	U
<i>Restio subcompressus</i> Pillans	I	e	I
<i>Restio tuberculatus</i> Pillans	U	e	U
<i>Restio vilis</i> Kunth	R	e	R
<i>Staberoha multispicula</i> Pillans	I	e	I
<i>Staberoha stokoei</i> Pillans	R	e	R
<i>Thamnochortus acuminatus</i> Pillans	R	e	R
<i>Thamnochortus dumosus</i> Mast.	V	e	V
<i>Thamnochortus ellipticus</i> Pillans	I	e	I
<i>Thamnochortus fraternus</i> Pillans	R	e	R
<i>Thamnochortus guthrieae</i> Pillans	R	e	R
<i>Thamnochortus muirii</i> Pillans	V	e	V
<i>Thamnochortus nervosus</i> Pillans	U	e	U
<i>Thamnochortus nutans</i> (Thunb.) Pillans	R	e	R
<i>Thamnochortus pellucidus</i> Pillans	V	e	V
<i>Thamnochortus pluristachyus</i> Mast.	V	e	V
<i>Thamnochortus punctatus</i> Pillans	R	e	R
<i>Willdenowia affinis</i> Pillans	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Willdenowia fistulosa</i> Pillans	I	e	I
<i>Willdenowia purpurea</i> Pillans	R	e	R
<b>RHAMNACEAE</b>			
<i>Lasiodiscus mildbraedii</i> Engl.	R	ne	nt
<i>Phylica affinis</i> Sond.	U	e	U
<i>Phylica agathosmoides</i> Pillans	U	e	U
<i>Phylica alpina</i> Eckl. & Zeyh.	U	e	U
<i>Phylica altigena</i> Schltr.	U	e	U
<i>Phylica amoena</i> Pillans	U	e	U
<i>Phylica ampliata</i> Pillans	E	e	E
<i>Phylica anomala</i> Pillans	U	e	U
<i>Phylica apiculata</i> Sond.	U	e	U
<i>Phylica barbata</i> Pillans	U	e	U
<i>Phylica brachycephala</i> Sond.	U	e	U
<i>Phylica brevifolia</i> Eckl. & Zeyh.	R	e	R
<i>Phylica burchellii</i> Pillans	U	e	U
<i>Phylica chionocephala</i> Schltr.	U	e	U
<i>Phylica comosa</i> Steud.	U	e	U
<i>Phylica cuspidata</i> Eckl. & Zeyh.	U	e	U
<i>Phylica diosmoides</i> Sond.	U	e	U
<i>Phylica floribunda</i> Pillans	U	e	U
<i>Phylica glabrata</i> Thunb.	U	e	U
<i>Phylica greyii</i> Pillans	I	e	I
<i>Phylica guthriei</i> Pillans	U	e	U
<i>Phylica incurvata</i> Pillans	U	e	U
<i>Phylica laevifolia</i> Pillans	U	e	U
<i>Phylica laevigata</i> Pillans	U	e	U
<i>Phylica laevis</i> Steud.	U	e	U
<i>Phylica lasiantha</i> Pillans	U	e	U
<i>Phylica leipoldtii</i> Pillans	U	e	U
<i>Phylica levynsiae</i> Pillans	U	e	U
<i>Phylica linifolia</i> Pillans	U	e	U
<i>Phylica longimontana</i> Pillans	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Phylica lucens</i> Pillans	U	e	U
<i>Phylica lucida</i> Pillans	U	e	U
<i>Phylica maximiliani</i> Schltr.	U	e	U
<i>Phylica nigromontana</i> Pillans	U	e	U
<i>Phylica nodosa</i> Pillans	U	e	U
<i>Phylica parvula</i> Pillans	V	e	V
<i>Phylica pauciflora</i> Pillans	U	e	U
<i>Phylica pearsonii</i> Pillans	U	e	U
<i>Phylica recurvifolia</i> Eckl. & Zeyh.	U	e	U
<i>Phylica retrorsa</i> E. Mey. ex Sond.	U	e	U
<i>Phylica reversa</i> Pillans	U	e	U
<i>Phylica salteri</i> Pillans	U	e	U
<i>Phylica schlechteri</i> Pillans	I	e	I
<i>Phylica sericea</i> Pillans	U	e	U
<i>Phylica simii</i> Pillans	I	e	I
<i>Phylica stenopetala</i> Schltr.	I	e	I
<i>Phylica trachyphylla</i> D. Dietr.	U	e	U
<i>Phylica tysoni</i> Pillans var. <i>tysoni</i>	U	e	U
<i>Phylica tysoni</i> var. <i>brevifolia</i> Pillans	U	e	U
<i>Phylica wittebergensis</i> Pillans	U	e	U

RHIZOPHORACEAE

<i>Cassipourea flanagani</i> (Schinz) Alston	R	e	R
<i>Cassipourea mossambicensis</i> (V. Brehm.) Alston	R	ne	U
<i>Cassipourea swaziensis</i> Compton	R	e	R
<i>Cerlops tagal</i> (Perr.) C.B. Robinson	R	ne	nt

ROSACEAE

<i>Cliffortia acockii</i> Weim.	V	e	V
<i>Cliffortia aculeata</i> Weim.	U	e	U
<i>Cliffortia acutifolia</i> Weim.	I	e	I

	Southern Africa	Endemic/ Non-endemic	World
<i>Cliffortia carinata</i> Weim.	U	e	U
<i>Cliffortia crenulata</i> Weim.	U	e	U
<i>Cliffortia curvifolia</i> Weim.	U	e	U
<i>Cliffortia cymbifolia</i> Weim.	U	e	U
<i>Cliffortia geniculata</i> Weim.	I	e	I
<i>Cliffortia intermedia</i> Eckl. & Zeyh.	U	e	U
<i>Cliffortia lanata</i> Weim.	U	e	U
<i>Cliffortia longifolia</i> (Eckl. & Zeyh.) Weim.	U	e	U
<i>Cliffortia monophylla</i> Weim.	U	e	U
<i>Cliffortia montana</i> Weim.	U	e	U
<i>Cliffortia multiformis</i> Weim.	U	e	U
<i>Cliffortia reticulata</i> Eckl. & Zeyh.	U	e	U
<i>Cliffortia strigosa</i> Weim.	I	e	I

RUBIACEAE

<i>Ancylanthus monteiroi</i> Oliv.	R	ne	R
<i>Carpacoce heteromorpha</i> Bol.	I	e	I
<i>Coffea racemosa</i> Lour.	R	ne	nt
<i>Enterospermum rhodesiacum</i> Brem.	R	ne	nt
<i>Galium bredasdorpense</i> Puff	R	e	R
<i>Guettarda speciosa</i> L.	V	ne	nt
<i>Heinsia crinita</i> (Afzel.) G. Tayl.	R	ne	nt
<i>Hymenodictyon parvifolium</i> Oliv.	U	ne	nt
<i>Lagynias dryandum</i> (S. Moore) Robyns	R	ne	R
<i>Neorosea andongensis</i> (Hiern) N. Hallé	R	ne	nt
<i>Oxyanthus latifolius</i> Sond.	R	ne	R
<i>Oxyanthus pyriformis</i> (Hochst.) Skeels	R	e	R
<i>Pavetta barbertonensis</i> Brem.	R	e	R
<i>Pavetta gerstneri</i> Brem.	R	e	R
<i>Pavetta microlancea</i> K. Schum.	R	e	R
<i>Zygoon graveolens</i> Hiern	R	ne	R

	Southern Africa	Endemic/ Non-endemic	World
RUTACEAE			
<i>Acmadenia alternifolia</i> Cham. & Schlechtd.	U	e	U
<i>Acmadenia cucullata</i> E. Mey.	U	e	U
<i>Acmadenia densifolia</i> Sond.	U	e	U
<i>Acmadenia niveni</i> Sond.	R	e	R
<i>Adenandra dahlgrenii</i> Strid	R	e	R
<i>Adenandra gracilis</i> Eckl. & Zeyh.	I	e	I
<i>Adenandra odoratissima</i> Strid ssp. <i>odoratissima</i>	I	e	I
<i>Adenandra odoratissima</i> Strid ssp. <i>tenuis</i> Strid	I	e	I
<i>Adenandra schlechteri</i> Dummer	I	e	I
<i>Agathosma abrupta</i> Pillans	I	e	I
<i>Agathosma affinis</i> Sond.	I	e	I
<i>Agathosma alaris</i> Cham.	I	e	I
<i>Agathosma bicolor</i> Dummer	I	e	I
<i>Agathosma capitata</i> Sond.	I	e	I
<i>Agathosma cephalodes</i> E. Mey.	U	e	U
<i>Agathosma conferta</i> Pillans	R	e	R
<i>Agathosma cordifolia</i> Pillans	U	e	U
<i>Agathosma decurrens</i> Pillans	U	e	U
<i>Agathosma dentata</i> Pillans	R	e	R
<i>Agathosma dielsiana</i>	R	e	R
<i>Agathosma distans</i> Pillans	R	e	R
<i>Agathosma elata</i> Sond.	U	e	U
<i>Agathosma florida</i> Sond.	I	e	I
<i>Agathosma foleyana</i> Dummer	R	e	R
<i>Agathosma geniculata</i> Pillans	R	e	R
<i>Agathosma gnidiiflora</i> Dummer	I	e	I
<i>Agathosma involucrata</i> Eckl. & Zeyh.	U	e	U
<i>Agathosma lancifolia</i> Eckl. & Zeyh.	U	e	U
<i>Agathosma leptospermoides</i> Sond.	U	e	U
<i>Agathosma linifolia</i> Licht.	U	e	U
<i>Agathosma longicornu</i> Pillans	R	e	R

	Southern Africa	Endemic/ Non-endemic	World
<i>Agathosma orbicularis</i> Bartl. & Wendl.	I	e	I
<i>Agathosma pallens</i> Pillans	I	e	I
<i>Agathosma pattisonae</i> Dummer	U	e	U
<i>Agathosma phillipsii</i> Dummer	U	e	U
<i>Agathosma planifolia</i> Sond.	U	e	U
<i>Agathosma rehmanniana</i> Dummer	U	e	U
<i>Agathosma sabulosa</i> Sond.	U	e	U
<i>Agathosma salina</i> Eckl. & Zeyh.	U	e	U
<i>Agathosma scaberula</i> Dummer	U	e	U
<i>Agathosma sedifolia</i> Schlechtd.	E	e	E
<i>Agathosma spinosa</i> Sond.	U	e	U
<i>Agathosma stokoei</i> Pillans	R	e	R
<i>Agathosma subteretifolia</i> Pillans	I	e	I
<i>Agathosma thymifolia</i> Schlechtd.	I	e	I
<i>Agathosma umbonata</i> Pillans	U	e	U
<i>Agathosma uncarpellata</i> Pillans	U	e	U
<i>Agathosma zwartbergense</i> Pillans	U	e	U
<i>Citropsis daweanae</i> Swingle & Kellerm	R	ne	nt
<i>Coleonema aspalathoides</i> Juss.	U	e	U
<i>Diosma aristata</i> I. Williams	E	e	E
<i>Diosma candida</i> I. Williams	I	e	I
<i>Diosma eckloniana</i> Sond.	U	e	U
<i>Diosma flavescens</i> Oliv.	I	e	I
<i>Diosma passerinoides</i> Steud.	R	e	R
<i>Diosma patentifolia</i> I. Williams	U	e	U
<i>Diosma thyrsohora</i> Eckl. & Zeyh.	U	e	U
<i>Empleurium fragrans</i> P.E. Glover	V	e	V
<i>Euchaetis avisylvana</i> Williams	E	e	E
<i>Euchaetis schlechteri</i> Schinz	E	e	E
<i>Macrostylis cauliflora</i> I. Williams	E	e	E
<i>Zanthoxylum leprieurii</i> Guill. & Perr.	R	ne	nt

SAPINDACEAE

<i>Allophylus chaunostachys</i> Gilg	U	ne	nt
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	Southern Africa	Endemic/ Non-endemic	World
<i>Atalaya capensis</i> R.A. Dyer	R	e	R
<i>Atalaya natalensis</i> R.A. Dyer	U	e	U
<i>Blighia unijugata</i> Bak.	R	ne	nt
<i>Deinbollia xanthocarpa</i> (Klotzsch) Radlk.	R	ne	nt
<i>Erythrophysa transvaalensis</i> Verdoorn	R	e	R
<i>Haplocoelum gallense</i> (Engl.) Radlk.	R	ne	I
<i>Stadmania oppositifolia</i> Poir ssp. <i>rhodesica</i> Exell	R	ne	I

SAPOTACEAE

<i>Vitellariopsis dispar</i> (N.E. Br.) Aubrév.	R	e	R
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SCROPHULARIACEAE

<i>Charadrophila capensis</i> Marl.	V	e	V
<i>Diascia dielsiana</i> Schltr.	U	e	U
<i>Diascia dissecta</i> Hiern	U	e	U
<i>Diascia heterandra</i> Benth.	I	e	I
<i>Diascia nana</i> Diels	U	e	U
<i>Diascia nutans</i> Diels	U	e	U
<i>Diascia pentheri</i> Schltr.	U	e	U
<i>Diascia ramosa</i> Scott-Elliott	U	e	U
<i>Diascia rudolphi</i> Hiern	U	e	U
<i>Diascia scullyi</i> Hiern	U	e	U
<i>Diascia tysoni</i> Hiern	U	e	U
<i>Diclis stellarioides</i> Hiern	I	e	I
<i>Freylinia decurrens</i> Levyns	I	e	I
<i>Freylinia tropica</i> S. Moore	R	ne	nt
<i>Harveya euryantha</i> Schltr.	U	e	U
<i>Hyobanche barklyi</i> N.E. Br.	U	e	U
<i>Manulea glandulosa</i> Phill.	U	e	U
<i>Nemesia glaucescens</i> Hiern	U	e	U
<i>Nemesia hastata</i> Benth.	U	e	U

	Southern Africa	Endemic/ Non-endemic	World
<i>Nemesia micrantha</i> Hiern	I	e	I
<i>Nemesia pallida</i> Hiern	U	e	U
<i>Nemesia picta</i> Schltr.	R	e	R
<i>Nemesia strumosa</i> Benth.	R	e	R
<i>Polycarena capitatum</i> Benth.	I	e	I
<i>Polycarena filiformis</i> Diels	U	e	U
<i>Polycarena gracilipes</i> N.E. Br.	U	e	U
<i>Polycarena minimum</i> Hiern	U	e	U
<i>Polycarena multifolium</i> Hiern	U	e	U
<i>Polycarena parvula</i> Schltr.	U	e	U
<i>Polycarena sordidum</i> Hiern	U	e	U
<i>Sutera atrocaerulea</i> Hiern	U	e	U
<i>Sutera cephalotes</i> O. Kuntze var. <i>cephalotes</i>	U	e	U
<i>Sutera cephalotes</i> var. <i>glabrata</i> Hiern	U	e	U
<i>Sutera divaricata</i> Hiern	U	e	U
<i>Sutera esculenta</i> Bond	V	e	V
<i>Sutera gracilis</i> Hiern	U	e	U
<i>Sutera infundibuliformis</i> Schltr.	U	e	U
<i>Sutera intertexta</i> Hiern	U	e	U
<i>Sutera macrantha</i> Codd	U	e	U
<i>Sutera stenopetala</i> Hiern	U	e	U
<i>Sutera subnuda</i> Hiern	U	e	U
<i>Zaluzianskya nemesioides</i> Diels	U	e	U
<i>Zaluzianskya ramosa</i> Schinz	I	e	I

SELAGINELLACEAE

<i>Selaginella pygmaea</i> (Kaulf) Alston	U	e	U
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SIMAROUBACEAE

<i>Kirkia dewinteri</i> Merxm. & Heine	R	ne	U
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	Southern Africa	Endemic/ Non-endemic	World
<b>SOLANACEAE</b>			
<i>Solanum crassifolium</i> Lam.	I	e	I
<b>STERCULIACEAE</b>			
<i>Dombeya autumnalis</i> Verdoorn	R	e	R
<i>Dombeya kirkii</i> Mast.	R	ne	nt
<i>Dombeya rotundifolia</i> (Hochst.) Planch. var. <i>velutina</i> Verdoorn	R	e	R
<i>Hermannia helicoidea</i> Verdoorn	R	e	R
<i>Hermannia hispidula</i> Reichb. f.	I	e	I
<i>Hermannia repetenda</i> Verdoorn	U	e	U
<i>Sterculia alexandri</i> Harv.	R	e	R
<b>STRELITZIACEAE</b>			
<i>Strelitzia juncea</i> Link	R	e	R
<b>THELYPTERIDACEAE</b>			
<i>Christella altissima</i> Holtt.	X	e	X
<b>THYMELAEACEAE</b>			
<i>Cryptadenia laxa</i> C.H. Wright	U	e	U
<i>Gnidia leipoldtii</i> C.H. Wright	U	e	U
<i>Gnidia parviflora</i> Meisn.	U	e	U
<i>Gnidia scabrida</i> Meisn.	U	e	U
<i>Lachnaea elegans</i> Compton	U	e	U
<i>Lachnaea glomerata</i> Fourc.	I	e	I
<i>Passerina burchellii</i> Thoday	R	e	R
<i>Passerina paludosa</i> Thoday	E	e	E

	Southern Africa	Endemic/ Non-endemic	World
TILIACEAE			
<i>Grewia rogersii</i> Burtt Davy & Greenway	R	e	R
ULMACEAE			
<i>Celtis mildbraedii</i> Engl.	V	ne	nt
URTICACEAE			
<i>Obetia carruthersiana</i> (Hiern) Rendle	U	ne	U
<i>Pilea rivularis</i> Wedd.	R	ne	nt
VELLOZIACEAE			
<i>Xerophyta villosa</i> (Bak.) Smith & Ayensu	U	ne	nt
ZAMIACEAE			
<i>Encephalartos altensteinii</i> Lehm.	R	e	R
<i>Encephalartos arenarius</i> R.A. Dyer	V	e	V
<i>Encephalartos caffer</i> (Thunb.) Lehm.	V	e	V
<i>Encephalartos cupidus</i> R.A. Dyer	E	e	E
<i>Encephalartos cycadifolius</i> (Jacq.) Lehm.	V	e	V
<i>Encephalartos eugene-maraisii</i> Verdoorn	V	e	V
<i>Encephalartos ferox</i> Bertol. f.	V	e	V
<i>Encephalartos friderici-guilielmi</i> Lehm.	R	e	R
<i>Encephalartos ghellinckii</i> Lem.	V	e	V
<i>Encephalartos heenanii</i> R.A. Dyer	V	e	V
<i>Encephalartos horridus</i> (Jacq.) Lehm.	V	e	V
<i>Encephalartos humilis</i> Verdoorn	V	e	V

	Southern Africa	Endemic/ Non-endemic	World
<i>Encephalartos inopinus</i> R.A. Dyer	E	e	E
<i>Encephalartos laevifolius</i> Stapf & Burt Davy	E	e	E
<i>Encephalartos lanatus</i> Stapf & Burt Davy	V	e	V
<i>Encephalartos latifrons</i> Lehm.	E	e	E
<i>Encephalartos lebomboensis</i> Verdoorn	R	e	R
<i>Encephalartos lehmannii</i> Lehm.	R	e	R
<i>Encephalartos longifolius</i> (Jacq.) Lehm.	V	e	V
<i>Encephalartos natalensis</i> R.A. Dyer & Verdoorn	R	e	R
<i>Encephalartos ngoyanus</i> Verdoorn	V	e	V
<i>Encephalartos paucidentatus</i> Stapf & Burt Davy	R	e	R
<i>Encephalartos princeps</i> R.A. Dyer	V	e	V
<i>Encephalartos transvenosus</i> Stapf & Burt Davy	R	e	R
<i>Encephalartos trispinosus</i> (Hook.) R.A. Dyer	V	e	V
<i>Encephalartos umbeluziensis</i> R.A. Dyer	U	e	U
<i>Encephalartos villosus</i> Lem.	R	e	R
<i>Encephalartos woodii</i> Sander	X	e	X

ZINGIBERACEAE

<i>Kaempferia aethiopica</i> (Schweinf.) Solms-Laub.	R	e	R
<i>Kaempferia natalensis</i> (Wood & Franks) Schltr. & K. Schum.	U	e	U

LISTS OF THREATENED TAXA BY COUNTRY/PROVINCE

In this table e/ne refers to the occurrence of the plant in the political region in question (endemic/not endemic).

S O U T H - W E S T A F R I C A / N A M I B I A

Extinct 0, Endangered 0, Vulnerable 2, Rare 21, Indeterminate 6, Uncertain 27, Endemic 12, Not endemic 44.

Vulnerable

Aloe erinacea	ne	Aloe karasbergensis	ne
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Rare

Acacia hebeclada ssp chobiensis	ne	Crinum kirkii	ne
Acacia hebeclada ssp tristis	ne	Crinum rautanenianum	ne
Acacia montis-usti	e	Dombeya rotundifolia var	e
Acacia robynsiana	ne	velutina	
Barleria megalosiphon	ne	Entandrophragma spicatum	ne
Boscia microphylla	e	Erythrina decora	e
Citropsis daweana	ne	Ficus fischeri	ne
Cotyledon rubrovenosa	ne	Kalanchoe laciniata	ne
Crinum baumii	ne	Kirkia dewinteri	ne
Crinum crassicaule	ne	Nymphaea lotus	ne
Crinum euchrophyllum	ne	Xeroderris stuhlmannii	ne

Indeterminate

Adenium oleifolium	ne	Eulophia holubii	e
Crinum carolo-schmidtii	ne	Eulophia leucantha	e
Eulophia austrooccidentalis	e	Schwantesia speciosa	ne

Uncertain

Adenium boehmianum	ne	Felicia deserti	ne
Amblygonocarpus andongensis	ne	Friesodielsia obovata	ne
Arctotis aenea	ne	Haemanthus avasmontanus	e
Barleria albipilosa	ne	Hibiscus waterbergensis	ne
Barleria ameliae	ne	Homalium abdessammadii	ne
Boscia angustifolia var	ne	Obetia carruthersiana	e
corymbosa		Ozoroa concolor	ne
Boscia tomentosa	ne	Ozoroa insignis ssp latifolia	e
Byrsocarpus orientalis	ne	Schrebera trichoclada	ne
Combretum wattii	ne	Sesamothamnus benguellensis	ne
Commiphora discolor	ne	Turraea zambesica	ne
Cordia pilosissima	ne	Tylecodon schaeferianus	ne
Crinum nerinoides	e	Tylecodon singularis	e
Euphorbia eduardoi	ne	Xylozia odoratissima	ne

B O T S W A N A

Extinct 0, Endangered 0, Vulnerable 1, Rare 6, Indeterminate 0,  
Uncertain 8, Endemic 0, Not endemic 15.

Vulnerable

Orbea maculata ne

Rare

Acacia hebeclada ssp chobiensis	ne	Citropsis daweana	ne
Acacia hebeclada ssp tristis	ne	Crinum crassicaule	ne
Boscia foetida ssp minima	ne	Nymphaea lotus	ne

Uncertain

Albizia amara ssp sericocephalla	ne	Hoodia lugardii	ne
Albizia antunesiana	ne	Hyptis spicigera	ne
Brasenia schreberi	ne	Ruspolia hypocrateriformis var australis	ne
Friesodielsia obovata	ne	Turraea zambesica	ne

T R A N S V A A L

Extinct 0, Endangered 5, Vulnerable 14, Rare 117, Indeterminate 12,  
Uncertain 68, Endemic 105, Not endemic 112

Endangered

Encephalartos cupidus	e	Euphorbia barnardii	e
Encephalartos inopinus	e	Nervilia kotschyi	ne
Encephalartos laevifolius	e		

Vulnerable

Aloe albida	e	Euphorbia tortirama	e
Aloe monotropa	e	Gladiolus pretoriensis	ne
Encephalartos eugene-maraisii	e	Huernia nouhuysii	ne
Encephalartos heenanii	e	Kalanchoe crundallii	e
Encephalartos humilis	e	Orbea maculata	ne
Encephalartos lanatus	e	Stapelia clavicornata	e
Euphorbia groenewaldii	e	Warburgia salutaris	ne

Rare

Acacia welwitschii ssp delagoensis	ne	Aloe minima var blyderivierensis	e
Alchornea laxiflora	ne	Aloe peglerae	ne
Aloe angelica	e	Aloe petrophila	e
Aloe graciliflora	e	Aloe simii	e

<i>Aloe soutpansbergensis</i>	e	<i>Gladiolus vernus</i>	e
<i>Aloe thorncroftii</i>	e	<i>Grewia rogersii</i>	e
<i>Aloe vandermerwei</i>	e	<i>Guibourtia conjugata</i>	ne
<i>Aloe vogtsii</i>	e	<i>Habenaria laevigata</i> ssp	
<i>Aloe vossii</i>	e	<i>bicolor</i>	e
<i>Angraecum chamaeanthus</i>	e	<i>Haworthia koelmaniorum</i>	e
<i>Anisotes sessiliflorus</i>	ne	<i>Heinsia crinita</i>	ne
<i>Borassus aethiopicum</i>	ne	<i>Heteropyxis canescens</i>	ne
<i>Boscia foetida</i> ssp <i>minima</i>	ne	<i>Hippocratea crenata</i>	ne
<i>Bosqueia phoberos</i>	ne	<i>Holarrhena pubescens</i>	ne
<i>Capparis sepiaria</i> var		<i>Hugonia orientalis</i>	ne
<i>subglabra</i>	ne	<i>Hypericum roeperanum</i> var	
<i>Clivia caulescens</i>	e	<i>roeperanum</i>	e
<i>Commiphora zanzibarica</i>	ne	<i>Kaempferia aethiopica</i>	e
<i>Cordia africana</i>	ne	<i>Kalanchoe alticola</i>	ne
<i>Cordyla africana</i>	ne	<i>Kniphofia coralligemma</i>	e
<i>Crassula tuberella</i>	ne	<i>Kniphofia rigidifolia</i>	e
<i>Cyrtanthus bicolor</i>	ne	<i>Kniphofia triangularis</i> ssp	
<i>Cyrtanthus eucallus</i>	e	<i>obtusiloba</i>	ne
<i>Cyrtanthus huttonii</i>	ne	<i>Kotschya thymodora</i> var	
<i>Cyrtanthus thorncroftii</i>	e	<i>thymododora</i>	ne
<i>Deinbollia xanthocarpa</i>	ne	<i>Lagynias dryandrum</i>	ne
<i>Dombeya autumnalis</i>	e	<i>Leucospermum saxosum</i>	ne
<i>Dombeya kirkii</i>	ne	<i>Linociera battiscombei</i>	e
<i>Encephalartos paucidentatus</i>	e	<i>Mossia intervallaris</i>	e
<i>Encephalartos transvenosus</i>	e	<i>Myrsine pillansii</i>	ne
<i>Enterospermum rhodesiacum</i>	ne	<i>Neobolusia tysonii</i>	ne
<i>Erythrophysa transvaalensis</i>	ne	<i>Neorosea andongensis</i>	ne
<i>Euclea linearis</i>	e	<i>Nerine gracilis</i>	e
<i>Eucomis montana</i>	ne	<i>Nuxia glomerulata</i>	ne
<i>Eucomis vandermerwei</i>	e	<i>Nymphaea lotus</i>	ne
<i>Eulophia cooperi</i>	ne	<i>Ocotea kenyensis</i>	ne
<i>Euphorbia clivicola</i>	e	<i>Orbeanthus conjunctus</i>	e
<i>Euphorbia grandialata</i>	e	<i>Orbeanthus paradoxa</i>	ne
<i>Euphorbia restricta</i>	e	<i>Orbeopsis gerstneri</i> ssp	
<i>Euphorbia sekukuniensis</i>	e	<i>elongata</i>	e
<i>Euphorbia waterbergensis</i>	e	<i>Pavetta barbertonensis</i>	ne
<i>Euphorbia zoutpansbergensis</i>	e	<i>Pavetta microlancea</i>	e
<i>Faurea macnaughtonii</i>	ne	<i>Phyllanthus kirkianus</i>	ne
<i>Freylinia tropica</i>	ne	<i>Pilea rivularis</i>	e
<i>Frithia pulchra</i>	ne	<i>Protea comptonii</i>	e
<i>Gladiolus appendiculatus</i> var		<i>Protea roupelliae</i> var	
<i>longifolius</i>	ne	<i>hamiltonii</i>	e
<i>Gladiolus brachyphyllus</i>	ne	<i>Protea rubropilosa</i>	e
<i>Gladiolus calcaratus</i>	e	<i>Protea transvaalensis</i>	e
<i>Gladiolus exiguus</i>	e	<i>Rhus rogersii</i>	e
<i>Gladiolus hollandii</i>	ne	<i>Stadmania oppositifolia</i> ssp	
<i>Gladiolus macneilii</i>	e	<i>rhodesica</i>	ne
<i>Gladiolus pole-evansii</i>	e	<i>Streptocarpus decipiens</i>	e
<i>Gladiolus robertsoniae</i>	ne	<i>Streptocarpus pogonites</i>	e
<i>Gladiolus rufomarginatus</i>	e	<i>Strophanthus luteolus</i>	ne
<i>Gladiolus varius</i> var		<i>Triaspis glaucophylla</i>	e
<i>micranthus</i>	e	<i>Turbina shirensis</i>	ne
<i>Gladiolus varius</i> var <i>varius</i>	e	<i>Turbina stenosphon</i>	ne



Watsonia latifolia	ne	Xylozia parviflora	ne
Watsonia occulta	ne	Zantedeschia pentlandii	e
Watsonia transvaalensis	e	Zanthoxylum leprieurii	ne
Watsonia wilmsii	e	Zoutpansbergia caerulea	e
Xeroderris stuhlmannii	ne	Zygoon graveolens	ne
Xylia torreana	ne		

Indeterminate

Adenium obesum	ne	Ensete ventricosum	ne
Adenium oleifolium	ne	Eulophia coddii	e
Adenium swazicum	ne	Eulophia leachii	ne
Ansellia gigantea et vars	ne	Nervilia natalensis	ne
Clivia gardenii	ne	Pachypodium saundersii	ne
Clivia miniata	ne	Schizochilus gerrardii	ne

Uncertain

Adenia fruticosa ssp simplicifolia	e	Gladiolus microcarpus	ne
Agapanthus coddii	e	Habenaria kraenzliniana	e
Agapanthus dyeri	e	Hibiscus waterbergensis	ne
Albizia amara ssp sericocephala	ne	Hippocratea parvifolia	ne
Allophyllus chaunostachys	ne	Holothrix micrantha	e
Aloe reitzii	e	Hoodia lugardii	ne
Aloe thompsoniae	e	Hymenodictyon parvifolium	ne
Babiana hypogea var longituba	e	Hyptis spicigera	ne
Barleria oxyphylla	e	Inula paniculata	ne
Begonia sonderana	e	Jasminum abyssinicum	ne
Boscia angustifolia var corymbosa	ne	Jatropha messinica	ne
Brasenia schreberi	ne	Kniphofia crassifolia	e
Catha transvaalensis	e	Macrorungia longistrobus	ne
Combretum collinum ssp taborense	ne	Maytenus oxycarpa	ne
Combretum padoides	ne	Maytenus pubescens	ne
Cordia grandicalyx	ne	Melinis tenuissima	e
Croton madadensis	ne	Monadenia leydenbergensis	e
Cyrtanthus junodii	e	Mondia whitei	ne
Diates flavida	ne	Oberonia disticha	ne
Disa breyeri	e	Ochna glauca	ne
Disa extincoria	ne	Orbea woodii	ne
Disa rhodantha	ne	Orbeanthus hardyi	e
Disperis concinna	ne	Oreosyce africana	ne
Disperis ermelensis	e	Polystachya albescens ssp imbricata	ne
Disperis gracilis	e	Protea curvata	e
Disperis natalensis	ne	Protea laetans	e
Drypetes mossambicensis	ne	Rhus batophylla	e
Duvernoia aconitiflora	ne	Ruspolia hypocrateriformis var australis	ne
Elephantorrhiza praetermissa	e	Schizachrium brevifolius	e
Eragrostis arenicola	e	Sclerochiton triacanthus	e
Euphorbia rowlandii	e	Streptocarpus latens	e
Felicia fruticosa ssp brevipedunculata	e	Strophanthus kombe	ne
		Sutera macrantha	ne
		Xerophyta villosa	ne
		Xylozia odoratissima	ne
		Zantedeschia jucunda	e

B O P H U T H A T S W A N A

Extinct 0, Endangered 2, Vulnerable 2, Rare 7, Indeterminate 0,  
Uncertain 1, Endemic 3, Not endemic 9.

Endangered

*Euphorbia knobelii* e *Euphorbia perangusta* e

Vulnerable

*Caralluma maculata* ne *Gladiolus pretoriensis* ne

Rare

*Aloe peglerae* ne *Frithia pulchra* ne  
*Barleria media* e *Myrsine pillansii* ne  
*Boscia foetida* ssp *minima* ne *Nuxia glomerulata* ne  
*Erythrophysa transvaalensis* ne

Uncertain

*Burmannia madagascariensis* ne

S W A Z I L A N D

Extinct 0, Endangered 0, Vulnerable 1, Rare 10, Indeterminate 6,  
Uncertain 6, Endemic 5, Not endemic 18.

Vulnerable

*Kniphofia umbrina* e

Rare

*Caralluma ubomboensis* ne *Gladiolus appendiculatus* var  
*Cyrtanthus bicolor* ne *longifolius* ne  
*Encephalartos lebomboensis* ne *Gladiolus hollandii* ne  
*Encephalartos villosus* ne *Heteropyxis canescens* ne  
*Eucomis montana* ne *Kalanchoe alticola* ne  
*Pavetta barbertonensis* ne

Indeterminate

*Adenium swazicum* ne *Kniphofia tysonii* ssp  
*Ansellia gigantea* et vars ne *lebomboensis* ne  
*Clivia gardenii* ne *Pachypodium saundersii* ne  
*Habenaria rehmannii* e

Uncertain

*Aloe keithii* e *Croton madadensis* ne

<i>Dietes flavida</i>	ne	<i>Encephalartos umbeluziensis</i>	e
<i>Duvernoia aconitiflora</i>	ne	<i>Euphorbia keithii</i>	e

O R A N G E F R E E S T A T E

Extinct 0, Endangered 0, Vulnerable 4, Rare 9, Indeterminate 1, Uncertain 9, Endemic 4, Not endemic 19.

Vulnerable

<i>Aloe polyphylla</i>	ne	<i>Encephalartos ghellinckii</i>	ne
<i>Arundinaria tessellata</i>	ne	<i>Neohenricia sibbettii</i>	e

Rare

<i>Crassula tuberella</i>	ne	<i>Galtonia viridiflora</i>	ne
<i>Disa frigida</i>	e	<i>Gladiolus cruentus</i>	ne
<i>Eucomis humilis</i>	ne	<i>Gladiolus robertsoniae</i>	ne
<i>Eucomis montana</i>	ne	<i>Kniphofia thodei</i>	ne
<i>Eulophia cooperi</i>	ne		

Indeterminate

<i>Corycium tricuspdatum</i>	ne		
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Uncertain

<i>Cyrtanthus attenuatus</i>	e	<i>Helichrysum ernestianum</i>	ne
<i>Disa basutorum</i>	ne	<i>Nerine bowdeni</i>	ne
<i>Disa thodei</i>	e	<i>Nerine platypetala</i>	ne
<i>Eucomis sp nov (schijfii)</i>	ne	<i>Satyrium microrrhynchum</i>	ne
<i>Gladiolus microcarpus</i>	ne		

N A T A L

Extinct 3, Endangered 1, Vulnerable 21, Rare 84, Indeterminate 18, Uncertain 41, Endemic 73, Not endemic 95.

Extinct

<i>Christella altissima</i>	e	<i>Vernonia africana</i>	e
<i>Encephalartos woodii</i>	e		

Endangered

<i>Kniphofia pauciflora</i>	e		
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Vulnerable

<i>Aloe gerstneri</i>	e	<i>Aponogeton ranunculiflorus</i>	e
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Arundinaria tessellata	ne	Kniphofia latifolia	e
Cavacoa aurea	ne	Kniphofia litoralis	e
Celtis mildbraedii	e	Kniphofia rooperi	ne
Diospyros rotundifolia	ne	Lumnitzera racemosa	ne
Encephalartos ferox	e	Orbea longidens	e
Encephalartos ghellinckii	ne	Raphia australis	e
Encephalartos ngoyanus	e	Rhynchochelyx lawsonioides	e
Gerbera aurantiaca	e	Streptocarpus wendlandii	e
Guettarda speciosa	ne	Warburgia salutaris	ne
Kniphofia flammula	e		

Rare

Albizia suluensis	e	Eucomis montana	ne
Alchornea hirtella var glabrata	e	Eulophia cooperi	ne
Aloe greenii	e	Eulophia zeyheriana	ne
Aloe pruinosa	e	Faurea macnaughtonii	ne
Aloe suffulta	e	Galtonia viridiflora	ne
Ancylanthus monteiroi	ne	Gerbera parva	e
Anochilus flanagani	ne	Gerrardanthus tomentosus	e
Barleria argillicola	e	Gladiolus appendiculatus var appendiculatus	e
Blighia unijugata	ne	Gladiolus cruentus	ne
Boscia foetida ssp longipedicellata	e	Gladiolus gueinzii	ne
Bosqueia phoberos	ne	Gladiolus oppositiflorus ssp oppositiflorus	ne
Bridelia cathartica ssp cathartica	ne	Gladiolus symonsii	e
Brunsvigia undulata	e	Haplocoelum gallense	ne
Calpurnia woodii	e	Jubaeopsis caffra	ne
Caralluma ubomboensis	ne	Kniphofia coddiana	ne
Cassipourea mossambicensis	ne	Kniphofia ensifolia ssp autumnalis	e
Cassipourea swaziensis	e	Kniphofia evansii	e
Ceriops tagal	ne	Kniphofia thodei	ne
Clivia nobilis	ne	Kniphofia triangularis ssp obtusiloba	ne
Coffea racemosa	ne	Lampranthus fugitans	ne
Commiphora zanzibarica	ne	Lasiodiscus mildbraedii	e
Cordyla africana	ne	Morus mesozygia	ne
Craibia zimmermannii	ne	Myrsine pillansii	ne
Crassula tuberella	ne	Mystacidium millarii	e
Crinum acaule	e	Neobolusia tysonii	ne
Cryptocarya wyliei	ne	Nymphaea lotus	ne
Cyrtanthus bicolor	ne	Ocotea kenyensis	ne
Cyrtanthus erubescens	e	Orbeanthus paradoxa	ne
Cyrtanthus falcatus	e	Orbeopsis gerstneri ssp gerstneri	e
Cyrtanthus nutans	e	Oxyanthus latifolius	ne
Dialium schlechteri	ne	Oxyanthus pyriformis	e
Diets butcheriana	e	Pavetta barbertonensis	ne
Dracaena usambarensis	ne	Pavetta gerstneri	e
Encephalartos lebomboensis	ne	Pseudobersama mossambicensis	ne
Encephalartos natalensis	ne	Pseudosalacia streyii	ne
Encephalartos villosus	ne	Scolopia oreophila	e
Entada pursaetha	ne		
Eucomis humilis	ne		

<i>Scolopia stolzii</i>	e	<i>Watsonia latifolia</i>	ne
<i>Sophora inhambanensis</i>	ne	<i>Watsonia occulta</i>	ne
<i>Strophanthus luteolus</i>	ne	<i>Zantedeschia albomaculata</i> ssp	
<i>Suregada zanzibariensis</i>	ne	<i>valida</i>	e
<i>Tapura fischeri</i>	ne	<i>Zanthoxylum leprieurii</i>	ne
<i>Vitellariopsis dispar</i>	e		

Indeterminate

<i>Adenium obesum</i>	ne	<i>Eulophia leachii</i>	ne
<i>Ansellia gigantea</i> et vars	ne	<i>Kniphofia rufa</i>	e
<i>Bonatea saundersiae</i>	e	<i>Kniphofia tysonii</i> ssp	
<i>Calanthe natalensis</i>	ne	<i>lebomboensis</i>	ne
<i>Cassine crocea</i>	ne	<i>Nervilia natalensis</i>	ne
<i>Clivia gardenii</i>	ne	<i>Pachypodium saundersii</i>	ne
<i>Clivia miniata</i>	ne	<i>Schizochilus gerrardii</i>	ne
<i>Cynorkis compacta</i>	e	<i>Schizochilus rudatisii</i>	e
<i>Disperis stenoglossa</i>	e	<i>Stenoglottis longifolia</i>	e
<i>Disperis woodii</i>	ne		

Uncertain

<i>Aloe prinslooii</i>	e	<i>Disperis concinna</i>	ne
<i>Aloe reitzii</i> var <i>nova</i>	e	<i>Disperis flava</i>	e
<i>Atalaya natalensis</i>	e	<i>Disperis kermesina</i>	e
<i>Beilschmiedia natalensis</i>	ne	<i>Disperis natalensis</i>	ne
<i>Burmannia madagascariensis</i>	ne	<i>Eucomis</i> sp nov ( <i>schijffii</i> )	ne
<i>Crassula obovata</i> var		<i>Eugenia erythrophylla</i>	ne
<i>dregeana</i>	ne	<i>Ficus tremula</i>	ne
<i>Cyrtanthus epiphyticus</i>	ne	<i>Gladiolus microcarpus</i>	ne
<i>Diets flavida</i>	ne	<i>Huttonaea woodii</i>	e
<i>Disa basutorum</i>	ne	<i>Kaempferia natalensis</i>	e
<i>Disa extingtoria</i>	ne	<i>Kalanchoe longiflora</i>	e
<i>Disa fanniniae</i>	e	<i>Kniphofia fibrosa</i>	ne
<i>Disa kraussii</i>	e	<i>Nerine pancratioides</i>	e
<i>Disa rhodantha</i>	ne	<i>Nerine platypetala</i>	ne
<i>Disa sankeyi</i>	e	<i>Orbea woodii</i>	ne
<i>Disa woodii</i>	e	<i>Pseudoscolopia polyantha</i>	ne
<i>Disa zuluensis</i>	e	<i>Rhus krebsiana</i>	ne
<i>Disperis allisonii</i>	e	<i>Satyrium microrrhynchum</i>	ne
<i>Disperis anomala</i>	e	<i>Satyrium rhodanthum</i>	e
<i>Disperis bicolor</i>	e	<i>Sutera macrantha</i>	ne
<i>Disperis bucharanii</i>	e	<i>Uvaria lucida</i> ssp <i>virens</i>	e

L E S O T H O

Extinct 0, Endangered 0, Vulnerable 2, Rare 3, Indeterminate 0,  
Uncertain 2, Endemic 1, Not endemic 6.

Vulnerable

<i>Aloe polyphylla</i>	ne	<i>Kniphofia hirsuta</i>	e
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Rare

Calpurnia robinoides	ne	Kniphofia thodei	ne
Galtonia viridiflora	ne		

Uncertain

Disa basutorum	ne	Eucomis sp nov (schijffii)	ne
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T R A N S K E I

Extinct 0, Endangered 1, Vulnerable 12, Rare 30, Indeterminate 8, Uncertain 23, Endemic 21, Not endemic 53.

Endangered

Corymborkis corymbosa	e		
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Vulnerable

Aloe reynoldsii	e	Encephalartos ghellinckii	ne
Arundinaria tessellata	ne	Encephalartos longifolius	ne
Crassula planifolia	e	Encephalartos princeps	ne
Dierama pulcherrimum	ne	Eulophia platypetala	ne
Elephantorrhiza sp nov	e	Kniphofia drepanophylla	e
Encephalartos caffer	ne	Kniphofia rooperi	ne

Rare

Acrolophia micrantha	ne	Eucomis humilis	ne
Bauhinia bowkeri	e	Eulophia zeyheriana	ne
Borassus caffra	e	Faurea macnaughtonii	ne
Calpurnia robinoides	ne	Galtonia viridiflora	ne
Cassipourea flanaganii	ne	Gladiolus gueinzii	ne
Clivia nobilis	ne	Gladiolus oppositiflorus ssp	
Cotyledon flanaganii	ne	oppositiflorus	ne
Cryptocarya wyliei	ne	Gladiolus oppositiflorus ssp	
Cyrtanthus helictus	ne	salmoneus	ne
Dietes bicolor	ne	Jubaeopsis caffra	ne
Disa galpinii	e	Kniphofia coddiana	ne
Disa tysonii	ne	Lampranthus fugitans	ne
Encephalartos altensteinii	ne	Nerine gibsonii	e
Encephalartos friderici-		Pseudosalacia streyii	ne
guilielmi	ne	Rhus crispa	ne
Encephalartos natalensis	ne	Umtiza listerana	ne
Encephalartos villosus	ne		

Indeterminate

Cassine crocea	ne	Eulophia meleagris	ne
Clivia gardenii	ne	Lachenalia convallarioides	e
Clivia miniata	ne	Schizochilus gerrardii	ne
Disperis woodii	ne	Schizochilus pulchellus	e

Uncertain

Beilschmiedia natalensis	ne	Kniphofia fibrosa	ne
Bobartia gracilis	ne	Nerine bowdeni	ne
Crassula obovata var dregeana	ne	Nerine masonorum	e
Crassula streyi	e	Phylica tysoni	e
Cyrtanthus epiphyticus	ne	Phylica tysoni var brevifolia	e
Cyrtanthus rectiflorus	ne	Phyllanthus cedrelifolius	e
Disa caffra	e	Pseudosclopia polyantha	ne
Disa montana	e	Satyrium microrrhynchum	ne
Disa rhodantha	ne	Streptocarpus modestus	e
Disa scullyi	e	Streptocarpus porphyrostachys	e
Eucomis sp nov (schijfii)	ne	Syringodea flanaganii	ne
Eugenia erythrophylla	ne		

C A P E P R O V I N C E

Extinct 37, Endangered 95, Vulnerable 125, Rare 336, Indeterminate 238, Uncertain 694, Endemic 1480, Not endemic 45.

Extinct

Acrolophia ustulata	e	Leucadendron comosum ssp homeophyllum	e
Anisodonteia alexandri	e	Leucadendron spirale	e
Aspalathus variegata	e	Marasmodes undulata	e
Caralluma arenicola	e	Mimetes stokoei	e
Corycium vestitum	e	Moraea incurva	e
Crassula alcicornis	e	Moraea loubseri	e
Crassula subulata var hispida	e	Osteospermum hirsutum	e
Elegia extensa	e	Romulea papyracea	e
Elegia fastigiata	e	Romulea sulphurea	e
Erica acockii	e	Satyrium guthriei	e
Erica bolusiae	e	Staavia trichotoma	e
Erica pyramidalis	e	Stylapterus micranthus	e
Erica turgida	e	Thamnea depressa	e
Erica verticillata	e	Thamnea uniflora	e
Felicia annectens	e	Urginea duthiae	e
Gibraeum esterhuyseniae	e	Urginea eckloni	e
Gladiolus alatus var algoensis	e	Wahlenbergia saxifragoides	e
Lachenalia mathewsii	e		
Leptocarpus ramosissimus	e		

Endangered

Agathosma sedifolia	e	Diosma aristata	e
Amphisiphon stylosa	e	Diplosoma retroversum	e
Babiana pauciflora	e	Disa stokoei	e
Bobartia parva	e	Elegia fenestrata	e
Brunsvigia litoralis	e	Encephalartos latifrons	e
Chondropetalum acockii	e	Erica bakeri	e
Diastella buekii	e	Erica chrysocodon	e

<i>Erica crucistigmatica</i>	e	<i>Moraea insolens</i>	e
<i>Erica fairii</i>	e	<i>Moraea tulbaghensis</i>	e
<i>Erica heleogena</i>	e	<i>Muiria hortenseae</i>	e
<i>Erica jasminiflora</i>	e	<i>Muraltia satureioides</i> var	
<i>Erica junonia</i>	e	<i>salteri</i>	e
<i>Erica limosa</i>	e	<i>Orothamnus zeyheri</i>	e
<i>Erica pilulifera</i>	e	<i>Oxalis natans</i>	e
<i>Erica sociorum</i>	e	<i>Passerina paludosa</i>	e
<i>Euchaetis avisylvana</i>	e	<i>Phylica ampliata</i>	e
<i>Euchaetis schlechteri</i>	e	<i>Pleiospilos hilmari</i>	e
<i>Euryops muirii</i>	e	<i>Pleiospilos prismaticus</i>	e
<i>Gladiolus aureus</i>	e	<i>Prionanthium pholiuroides</i>	e
<i>Gladiolus emiliae</i>	e	<i>Protea holosericea</i>	e
<i>Gladiolus quadrangulus</i>	e	<i>Protea mucronifolia</i>	e
<i>Herschelia barbata</i>	e	<i>Protea odorata</i>	e
<i>Herschelia lugens</i>	e	<i>Relhania rotundifolia</i>	e
<i>Huernia witzenbergensis</i>	e	<i>Restio acockii</i>	e
<i>Hypodiscus paludosus</i>	e	<i>Restio dodii</i> var <i>purpureus</i>	e
<i>Ixia framesii</i>	e	<i>Restio harveyi</i>	e
<i>Lachenalia purpureo-caerulea</i>	e	<i>Restio sabulosus</i>	e
<i>Leptocarpus rigoratus</i> var		<i>Roella goodiana</i>	e
<i>simulans</i>	e	<i>Ruschia leipoldtii</i>	e
<i>Leucadendron bonum</i>	e	<i>Saphesia flaccida</i>	e
<i>Leucadendron chamelaeae</i>	e	<i>Satyrium muticum</i>	e
<i>Leucadendron cryptocephalum</i>	e	<i>Serruria ciliata</i>	e
<i>Leucadendron elimense</i> spp		<i>Serruria florida</i>	e
<i>vyboomense</i>	e	<i>Serruria furcellata</i>	e
<i>Leucadendron elimense</i> ssp		<i>Serruria roxburghii</i>	e
<i>elimense</i>	e	<i>Serruria trilopha</i>	e
<i>Leucadendron ericifolium</i>	e	<i>Sorocephalus imbricatus</i>	e
<i>Leucadendron flexuosum</i>	e	<i>Sorocephalus palustris</i>	e
<i>Leucadendron floridum</i>	e	<i>Sorocephalus tenuifolius</i>	e
<i>Leucadendron levisanus</i>	e	<i>Sparaxis tricolor</i>	e
<i>Leucadendron macowanii</i>	e	<i>Staavia dodii</i>	e
<i>Leucadendron roodii</i>	e	<i>Staavia zeyheri</i>	e
<i>Leucadendron thymifolium</i>	e	<i>Stapelia concinna</i> var	
<i>Leucadendron tradouwense</i>	e	<i>concinna</i>	e
<i>Leucadendron verticillatum</i>	e	<i>Stapelia dwequensis</i>	e
<i>Leucospermum profugum</i>	e	<i>Stapeliopsis neronis</i>	e
<i>Lithops comptonii</i>	e	<i>Stomatium geoffreyi</i>	e
<i>Macrostylis cauliflora</i>	e	<i>Stomatium ronaldii</i>	e
<i>Mimetes hottentoticus</i>	e	<i>Trichocaulon pillansii</i>	e
<i>Monadenia macrostachya</i>	e	<i>Widdringtonia cedarbergensis</i>	e
<i>Moraea aristata</i>	e		

Vulnerable

<i>Aloe karasbergensis</i>	ne	<i>Charadrophila capensis</i>	e
<i>Arundinaria tessellata</i>	ne	<i>Chondropetalum longiflorum</i>	e
<i>Aspalathus rycroftii</i>	e	<i>Chondropetalum rectum</i>	e
<i>Aspalathus smithii</i>	e	<i>Cliffortia acockii</i>	e
<i>Athanasia rugulosa</i>	e	<i>Cyrtanthus guthrieae</i>	e
<i>Audouinia capitata</i>	e	<i>Cyrtanthus spiralis</i>	e
<i>Caralluma cincta</i>	e	<i>Cyrtanthus staadensis</i>	e



<i>Didymaotus lapidiformis</i>	e	<i>Leucadendron elimense</i> ssp	
<i>Dierama pulcherrimum</i>	ne	<i>salteri</i>	e
<i>Disa neglecta</i>	e	<i>Leucadendron globosum</i>	e
<i>Echidnopsis columnaris</i>	e	<i>Leucadendron modestum</i>	e
<i>Elegia prominens</i>	e	<i>Leucadendron platyspermum</i>	e
<i>Elegia stokoei</i>	e	<i>Leucadendron stelligerum</i>	e
<i>Elegia verreauxii</i>	e	<i>Leucospermum glabrum</i>	e
<i>Empleurum fragrans</i>	e	<i>Leucospermum parile</i>	e
<i>Encephalartos arenarius</i>	e	<i>Limonium acuminatum</i>	e
<i>Encephalartos caffer</i>	ne	<i>Lithops divergens</i>	e
<i>Encephalartos cycadifolius</i>	e	<i>Lithops salicola</i>	e
<i>Encephalartos horridus</i>	e	<i>Lobelia zwartkopensis</i>	e
<i>Encephalartos longifolius</i>	ne	<i>Lobostemon bolusii</i>	e
<i>Encephalartos princeps</i>	ne	<i>Marsilea schelpeana</i>	e
<i>Encephalartos trispinosus</i>	e	<i>Moraea gigandra</i>	e
<i>Erica aghillana</i>	e	<i>Muraltia barkerae</i>	e
<i>Erica casta</i>	e	<i>Muraltia calycina</i>	e
<i>Erica cyrillaeflora</i>	e	<i>Oxalis levis</i>	e
<i>Erica ferrea</i>	e	<i>Oxalis perineson</i>	e
<i>Erica paludicola</i>	e	<i>Pachites bodkini</i>	e
<i>Erica porteri</i>	e	<i>Pachypodium namaquanum</i>	e
<i>Erica purgatoriensis</i>	e	<i>Paranomus longicaulis</i>	e
<i>Erica urna-viridis</i>	e	<i>Phylica parvula</i>	e
<i>Eulophia platypetala</i>	ne	<i>Protea angustata</i>	e
<i>Euphorbia fasciculata</i>	e	<i>Protea lanceolata</i>	e
<i>Euphorbia nesemannii</i>	e	<i>Protea minor</i>	e
<i>Geissorhiza matthewsii</i>	e	<i>Protea pruinosa</i>	e
<i>Geissorhiza matthewsii</i> var		<i>Psilothonna speciosa</i>	e
<i>eurystigma</i>	e	<i>Rapanea gilliana</i>	e
<i>Gethyllis multifolia</i>	e	<i>Restio coactilis</i>	e
<i>Gladiolus caryophyllaceus</i>	e	<i>Restio communis</i>	e
<i>Gladiolus citrinus</i>	e	<i>Restio duthieae</i>	e
<i>Gladiolus comptonii</i>	e	<i>Restio festucaeformis</i>	e
<i>Gladiolus guthriei</i>	e	<i>Restio quinquefarius</i>	e
<i>Glischrocolla formosa</i>	e	<i>Restio scaber</i>	e
<i>Haemanthus amarylloides</i>	e	<i>Romulea aquatica</i>	e
<i>Haemanthus canaliculatus</i>	e	<i>Romulea elliptica</i>	e
<i>Helichrysum recurvatum</i>	e	<i>Romulea eximia</i>	e
<i>Heliophila cuneata</i>	e	<i>Romulea saldanhensis</i>	e
<i>Hessea chaplinii</i>	e	<i>Satyrium foliosum</i>	e
<i>Hessea mathewsii</i>	e	<i>Serruria candicans</i>	e
<i>Hoodia albispina</i>	e	<i>Sorocephalus crassifolius</i>	e
<i>Ixia brevituba</i>	e	<i>Sorocephalus scabridus</i>	e
<i>Ixia curta</i>	e	<i>Spatalla ericoides</i>	e
<i>Ixia maculata</i> var <i>maculata</i>	e	<i>Spatalla tulbaghensis</i>	e
<i>Ixia viridiflora</i>	e	<i>Stapelia divaricata</i>	e
<i>Kniphofia rooperi</i>	ne	<i>Stapelia glanduliflora</i>	e
<i>Lachenalia polyphylla</i>	e	<i>Stapelia immelmaniae</i>	e
<i>Lachenalia viridiflora</i>	e	<i>Stapelia nouhuysii</i>	e
<i>Laurentia giftbergensis</i>	e	<i>Stoebe gomphrenoides</i>	e
<i>Leptocarpus impolitus</i>	e	<i>Stoebe salteri</i>	e
<i>Leucadendron argenteum</i>	e	<i>Stylapterus ericoides</i> ssp	
<i>Leucadendron cinereum</i>	e	<i>ericoides</i>	e
<i>Leucadendron corymbosum</i>	e	<i>Sutera esculenta</i>	e

Thamnochortus dumosus	e	Thamnochortus pluristachyus	e
Thamnochortus muirii	e	Tritoniopsis flexuosa	e
Thamnochortus pellucidus	e	Tylecodon cacalioides	e
<u>Rare</u>			
Acmadenia niveni	e	Caralluma maughanii	e
Acrolophia micrantha	ne	Caralluma villetii	e
Adenandra dahlgrenii	e	Caryotophora skiatophytoides	e
Agapanthus walshii	e	Cassipourea flanaganii	ne
Agathosma conferta	e	Clivia nobilis	ne
Agathosma dentata	e	Cotyledon flanaganii	ne
Agathosma dielsiana	e	Cotyledon heterophylla	e
Agathosma distans	e	Cotyledon rubrovenosa	ne
Agathosma foleyana	e	Crassula arborescens ssp	
Agathosma geniculata	e	undulatifolia	e
Agathosma longicornu	e	Crassula barbata ssp	
Agathosma stokoei	e	broomii	e
Aloe buhrii	e	Crassula fusca	e
Aloe distans	e	Crassula multiceps	e
Amphigena leptostachya	e	Crassula namaquensis ssp	
Amphigena tenuis	e	comptonii	e
Anaxeton brevipes	e	Crassula pellucida ssp	
Anaxeton ellipticum	e	spongiosa	e
Anaxeton hirsutum	e	Crassula roggeveldii	e
Androsiphon capensis	e	Crassula socialis	e
Anochilus flanaganii	ne	Crassula vestita	e
Apodolirion lanceolatum	e	Crinum campanulatum	e
Aspalathus borbonifolia	e	Crinum lineare	e
Aspalathus comptonii	e	Cullumia pectinata	e
Aspalathus desertorum	e	Cyrtanthus clavatus	e
Aspalathus esterhuyseniae	e	Cyrtanthus helictus	ne
Aspalathus excelsa	e	Cyrtanthus herrei	e
Aspalathus fasciculata	e	Cyrtanthus huttonii	ne
Aspalathus stokoei	e	Cyrtanthus loddigesianus	e
Aspalathus suaveolens	e	Cyrtanthus smithii	e
Atalaya capensis	e	Diastella myrtifolia	e
Babiana auriculata	e	Diastella parilis	e
Babiana cedarbergensis	e	Diates bicolor	ne
Babiana salteri	e	Dinteranthus vanzylii	e
Babiana stenomera	e	Diosma passerinoides	e
Babiana striata var planifolia	e	Disa longifolia	e
Berkheya francisci	e	Disa micropetala	e
Berzelia dregeana	e	Disa ovalifolia	e
Berzelia ecklonii	e	Disa pillansii	e
Bobartia gladiata ssp		Disa salteri	e
major	e	Disa schlechteriana	e
Bobartia orientalis ssp		Disa tabularis	e
occidentalis	e	Disa tenuicornis	e
Bobartia paniculata	e	Disa tysonii	ne
Brachysiphon mundii	e	Disperis bodkini	e
Cannomois aristata	e	Echidnopsis serpentina	e
Caralluma bredae var bredae	e	Elytropappus hispidus	e
Caralluma linearis	e	Encephalartos altensteinii	ne

Encephalartos friderici- guilielmi	ne	Gerbera wrightii	e
Encephalartos lehmannii	e	Gladiolus buckerveldii	e
Encephalartos villosus	ne	Gladiolus cardinalis	e
Endonema lateriflora	e	Gladiolus gueinzii	ne
Endonema retzioides	e	Gladiolus lapeirousioides	e
Erica alfredii	e	Gladiolus lewisiae	e
Erica annectens	e	Gladiolus oppositiflorus ssp oppositiflorus	ne
Erica atrovinosa	e	Gladiolus oreocharis	e
Erica beatricis	e	Gladiolus punctulatus var autumnalis	e
Erica comptonii	e	Gladiolus punctulatus var punctulatus	e
Erica cremea	e	Gladiolus salteri	e
Erica dulcis	e	Gladiolus stokoei	e
Erica galgebergensis	e	Gladiolus violaceo-lineatus	e
Erica granulatifolia	e	Gladiolus viridiflorus	e
Erica hendricksei	e	Grammitis poeppigana	ne
Erica hippurus	e	Greyia flanaganii	e
Erica insolitanthera	e	Haworthia blackburniae	e
Erica intricata	e	Heliophila cedarbergensis	e
Erica keeromsbergensis	e	Heliophila cinerea	e
Erica lerouxiae	e	Heliophila collina	e
Erica leucosiphon	e	Heliophila eximia	e
Erica marifolia	e	Heliophila filicaulis	e
Erica nematophylla	e	Heliophila laciniata	e
Erica octonaria	e	Heliophila patens	e
Erica oophylla	e	Heliophila rimicola	e
Erica parvulisepala	e	Heliophila tabularis	e
Erica pauciovulata	e	Heliophila tricuspidata	e
Erica uysii	e	Hermannia helicoidea	e
Erica vallis-araneorum	e	Herschelia tripartita	e
Erica vestiflua	e	Hessea karooica	e
Eulophia tabularis	e	Hessea leipoldtii	e
Euphorbia hallii	e	Homoglossum guthriei	e
Euphorbia marlothiana	e	Huernia distincta	e
Euryops brevilobus	e	Hypodiscus sulcatus	e
Euryops decipiens	e	Ixia purpureo-rosea	e
Euryops dentatus	e	Ixia splendida	e
Euryops indecorus	e	Klattia partita	e
Euryops integrifolius	e	Kniphofia praecox ssp bruceae	e
Euryops latifolius	e	Lampranthus algoensis	e
Euryops marlothii	e	Lampranthus rustii	e
Euryops pectinatus	e	Lapeirousia verecunda	e
Euryops rosulatus	e	Leptocarpus levynsiae	e
Euryops subcarnosus ssp minor	e	Leucadendron brunioides var flumenlupinum	e
Euryops virgatus	e	Leucadendron cadens	e
Faurea macnaughtonii	ne	Leucadendron concavum	e
Felicia diffusa ssp khamiesbergensis	e	Leucadendron coriaceum	e
Felicia elongata	e	Leucadendron diemontianum	e
Felicia esterhuyseniae	e	Leucadendron discolor	e
Felicia tsitsikamae	e	Leucadendron galpinii	e
Freesia armstrongii	e	Leucadendron nervosum	e
Freesia speciosa	e		
Galium bredasdorpense	e		
Geissoloma marginatum	e		

Leucadendron radiatum	e	Protea pityphylla	e
Leucadendron remotum	e	Pseudobaeckea stokoei	e
Leucadendron rourkei	e	Raspalia schlechteri	e
Leucadendron singulare	e	Restio brunneus	e
Leucospermum arenarium	e	Restio cascadenensis	e
Leucospermum bolusii	e	Restio distans	e
Leucospermum cordatum	e	Restio dodii var dodii	e
Leucospermum formosum	e	Restio esterhuyseniae	e
Leucospermum fulgens	e	Restio fuscidulus	e
Leucospermum muirii	e	Restio fusiformis	e
Leucospermum mundii	e	Restio involutus	e
Leucospermum pedunculatum	e	Restio micans	e
Leucospermum pluridens	e	Restio papyraceus	e
Leucospermum secundifolium	e	Restio vilis	e
Leucospermum tomentosum	e	Rhus crispa	ne
Mimetes capitulatus	e	Roella rhodantha	e
Mimetes palustris	e	Romulea albomarginata	e
Mimetes splendidus	e	Romulea amoena	e
Monadenia ecalcarata	e	Romulea barkerae	e
Monadenia sabulosa	e	Romulea biflora	e
Moraea barnardii	e	Romulea hantamensis	e
Moraea cooperi	e	Romulea kamisensis	e
Muraltia chamaepitys	e	Romulea multifida	e
Muraltia guthriei	e	Romulea oliveri	e
Nemesia picta	e	Romulea sanguinalis	e
Nemesia strumosa	e	Romulea sladenii	e
Neopateronia namaquensis	e	Romulea syringodeoflora	e
Nerine pudica	e	Romulea tortilis var dissecta	e
Nivenia levynsiae	e	Romulea tortilis var tortilis	e
Oldenburgia arbuscula	e	Romulea toximontana	e
Oldenburgia papionum	e	Romulea vinacea	e
Orthopenthea bodkini	e	Senecio coleophyllus	e
Orthopenthea minor	e	Serruria brownii	e
Osteospermum aciphyllum	e	Serruria cyanoides	e
Osteospermum elsieae	e	Serruria flava	e
Osteospermum hafstroemii	e	Serruria hirsuta	e
Othonna hallii	e	Serruria kraussii	e
Othonna minima	e	Serruria leipoldtii	e
Othonna pteronioides	e	Serruria lenearis	e
Oxalis deserticola	e	Serruria meisneriana	e
Oxalis involuta	e	Serruria triternata	e
Oxalis lichenoides	e	Serruria zeyheri	e
Oxalis melanograpta	e	Sonderothamnus speciosus	e
Oxalis senecta	e	Sorocephalus alopecurus	e
Oxalis virginea	e	Sorocephalus pinifolius	e
Paranomus adiantifolius	e	Sorocephalus teretifolius	e
Paranomus capitatus	e	Sparaxis pillansii	e
Paranomus diversifolius	e	Spatalla nubicola	e
Passerina burchellii	e	Spatalla salsoloides	e
Phyllica brevifolia	e	Staberoha stokoei	e
Phymaspermum schroeteri	e	Stapelia cincta	e
Prismatocarpus cordifolius	e	Stapelia concinna var	
Protea convexa	e	paniculata	e
Protea oleracea	e	Stapelia conformis	e

<i>Stapelia cylista</i>	e	<i>Thamnochortus nutans</i>	e
<i>Stapelia erectiflora</i>	e	<i>Thamnochortus punctatus</i>	e
<i>Stapelia plantii</i>	e	<i>Thereianthus racemosus</i>	e
<i>Stapelia rubiginosa</i>	e	<i>Trichocaulon annulatum</i>	e
<i>Stapelia thudichumii</i>	e	<i>Trichocaulon cinereum</i>	e
<i>Stapelia umbonata</i>	e	<i>Trichocaulon truncatum</i>	e
<i>Sterculia alexandri</i>	e	<i>Trichodiadema burgeri</i>	e
<i>Stoebe humilis</i>	e	<i>Trichodiadema densus</i>	e
<i>Stoebe muirii</i>	e	<i>Trichodiadema hallii</i>	e
<i>Strelitzia juncea</i>	e	<i>Tritoniopsis latifolia</i>	e
<i>Stylapterus dubius</i>	e	<i>Tylecodon fragilis</i>	e
<i>Stylapterus ericifolius</i>	e	<i>Tylecodon pearsonii</i>	e
<i>Stylapterus ericoides</i> ssp		<i>Tylecodon striatus</i>	e
<i>pallidus</i>	e	<i>Umtiza listerana</i>	ne
<i>Springodea derustensis</i>	e	<i>Ursinia coronopifolia</i>	e
<i>Thaminophyllum mundtii</i>	e	<i>Ursinia subflosculosa</i>	e
<i>Thamnochortus acuminatus</i>	e	<i>Wahlenbergia buseriana</i>	e
<i>Thamnochortus fraternus</i>	e	<i>Willdenowia purpurea</i>	e
<i>Thamnochortus guthrieae</i>	e		

Indeterminate

<i>Adenandra gracilis</i>	e	<i>Caralluma pillansii</i>	e
<i>Adenandra odoratissima</i>	e	<i>Caralluma pruinosa</i>	e
<i>Adenandra odoratissima</i> ssp		<i>Carpacoce heteromorpha</i>	e
<i>tenuis</i>	e	<i>Cassine crocea</i>	ne
<i>Adenandra schlechteri</i>	e	<i>Cenia duckittiae</i>	e
<i>Adenium oleifolium</i>	ne	<i>Cliffortia acutifolia</i>	e
<i>Agathosma abrupta</i>	e	<i>Cliffortia geniculata</i>	e
<i>Agathosma affinis</i>	e	<i>Cliffortia strigosa</i>	e
<i>Agathosma alaris</i>	e	<i>Clivia gardenii</i>	ne
<i>Agathosma bicolor</i>	e	<i>Corycium bifidum</i>	e
<i>Agathosma capitata</i>	e	<i>Corycium tricuspdatum</i>	ne
<i>Agathosma florida</i>	e	<i>Corymbium salteri</i>	e
<i>Agathosma gnidiiflora</i>	e	<i>Corymbium theileri</i>	e
<i>Agathosma orbicularis</i>	e	<i>Cotula myriophylloides</i>	e
<i>Agathosma pallens</i>	e	<i>Crassula decumbens</i> var	
<i>Agathosma subtereitifolia</i>	e	<i>brachyphylla</i>	e
<i>Agathosma thymifolia</i>	e	<i>Crassula susannae</i>	e
<i>Arctotheca forbesiana</i>	e	<i>Diascia heterandra</i>	e
<i>Aristea lugens</i>	e	<i>Diclis stellaroides</i>	e
<i>Aspalathus acanthophylla</i>	e	<i>Diosma candida</i>	e
<i>Aspalathus barbigera</i>	e	<i>Diosma flavescens</i>	e
<i>Aspalathus bidouwensis</i>	e	<i>Diplosoma leipoldtii</i>	e
<i>Aspalathus glabrata</i>	e	<i>Disperis wooddii</i>	ne
<i>Babiana leipoldtii</i>	e	<i>Dorotheanthus bidouwensis</i>	e
<i>Berrisfordia khamiesbergensis</i>	e	<i>Dorotheanthus booyensii</i>	e
<i>Calanthe natalensis</i>	ne	<i>Duvalia maculata</i>	e
<i>Caralluma acutiloba</i>	e	<i>Duvalia parviflora</i>	e
<i>Caralluma bredae</i> var		<i>Erica dysantha</i>	e
<i>thomallae</i>	e	<i>Erica hibbertia</i>	e
<i>Caralluma intermedia</i>	e	<i>Erica lagenaeformis</i>	e
<i>Caralluma inversa</i>	e	<i>Erica oligantha</i>	e

<i>Erica quadrisulcata</i>	e	<i>Juttadinteria albata</i>	e
<i>Erica riparia</i>	e	<i>Juttadinteria tetrasepala</i>	e
<i>Eulophia litoralis</i>	e	<i>Kniphofia acraea</i>	e
<i>Eulophia meleagris</i>	ne	<i>Kniphofia citrina</i>	e
<i>Euryops ciliatus</i>	e	<i>Lachenalia campanulata</i>	e
<i>Euryops lasiocladus</i>	e	<i>Lachenalia convallarioides</i>	
<i>Euryops pleiodontus</i>	e	<i>var robusta</i>	e
<i>Euryops polytrichoides</i>	e	<i>Lachenalia haarlemensis</i>	e
<i>Euryops ursinoides</i>	e	<i>Lachenalia rhodantha</i>	e
<i>Faucaria candida</i>	e	<i>Lachnaea glomerata</i>	e
<i>Ferraria divaricata</i> ssp		<i>Leptocarpus monostylis</i>	e
<i>arenosa</i>	e	<i>Leucadendron burchellii</i>	e
<i>Freylinia decurrens</i>	e	<i>Leucadendron linifolium</i>	e
<i>Geissorhiza furva</i>	e	<i>Leucadendron orientale</i>	e
<i>Geissorhiza lewisae</i>	e	<i>Leucadendron sericeum</i>	e
<i>Gladiolus carinatus</i> ssp		<i>Leucadendron stellare</i>	e
<i>parviflorus</i>	e	<i>Leucospermum praecox</i>	e
<i>Gladiolus gracilis</i> var		<i>Limonium capense</i>	e
<i>latifolius</i>	e	<i>Lonchostoma esterhuyseniae</i>	e
<i>Gladiolus vigilans</i>	e	<i>Marasmodes dummeri</i>	e
<i>Gladiolus virescens</i> var		<i>Massonia nervosa</i>	e
<i>roseo-venosus</i>	e	<i>Maughaniella luckhoffii</i>	e
<i>Grisebachia incana</i>	e	<i>Monadenia physodes</i>	e
<i>Haworthia marginata</i>	e	<i>Muraltia aciphylla</i>	e
<i>Haworthia maughanii</i>	e	<i>Muraltia angustiflora</i>	e
<i>Haworthia rubriflora</i>	e	<i>Muraltia comptonii</i>	e
<i>Haworthia springbokvlakensis</i>	e	<i>Muraltia concava</i>	e
<i>Haworthia truncata</i>	e	<i>Muraltia cuspidifolia</i>	e
<i>Hermannia hispidula</i>	e	<i>Muraltia ferox</i>	e
<i>Herreanthus meyeri</i>	e	<i>Muraltia harveyana</i>	e
<i>Herschelia atropurpurea</i>	e	<i>Muraltia hirsuta</i>	e
<i>Holothrix confusa</i>	e	<i>Muraltia karroica</i>	e
<i>Holothrix pilosa</i>	e	<i>Nelia pillansii</i>	e
<i>Homeria meterlekampiae</i>	e	<i>Nelia schlechteri</i>	e
<i>Homoglossum merianellum</i> var		<i>Nemesia micrantha</i>	e
<i>aureum</i>	e	<i>Nivenia concinna</i>	e
<i>Homoglossum merianellum</i> var		<i>Nivenia stokoei</i>	e
<i>merianellum</i>	e	<i>Oophytum oviforme</i>	e
<i>Hoodia barklyi</i>	e	<i>Ophthalmophyllum australe</i>	e
<i>Hoodia dregei</i>	e	<i>Ophthalmophyllum haramoepense</i>	e
<i>Hoodia pillansii</i>	e	<i>Ophthalmophyllum verrucosum</i>	e
<i>Huernia humilis</i>	e	<i>Ophthalmophyllum villetii</i>	e
<i>Huernia insigniflora</i>	e	<i>Ornithogalum secundum</i>	e
<i>Huernia kennedyana</i>	e	<i>Osteospermum hispidum</i> var	
<i>Huernia longii</i>	e	<i>viride</i>	e
<i>Huernia pillansii</i>	e	<i>Othonna membranifolia</i>	e
<i>Huernia praestans</i>	e	<i>Oxalis burtoniae</i>	e
<i>Hypodiscus alternans</i>	e	<i>Oxalis fragilis</i>	e
<i>Isoetes stephansenii</i>	e	<i>Oxalis fragilis</i> var	
<i>Ixia gloriosa</i>	e	<i>pellucida</i>	e
<i>Ixia patens</i> var <i>linearifolia</i>	e	<i>Oxalis lindaviana</i>	e
<i>Ixia patens</i> var <i>patens</i>	e	<i>Oxalis lineolata</i>	e
<i>Ixia stolonifera</i>	e	<i>Oxalis microdonta</i>	e
<i>Ixia versicolor</i>	e	<i>Oxalis sessilis</i>	e

<i>Pachites appressa</i>	e	<i>Staavia phylicoides</i>	e
<i>Paranomus centaureoides</i>	e	<i>Staberoha multispicula</i>	e
<i>Paranomus esterhuysenae</i>	e	<i>Stapelia barklyi</i>	e
<i>Pherolobus maughani</i>	e	<i>Stapelia macowanii</i>	e
<i>Phylica greyii</i>	e	<i>Stapelia neliana</i>	e
<i>Phylica schlechteri</i>	e	<i>Stapelia villetae</i>	e
<i>Phylica simii</i>	e	<i>Stylapterus barbatus</i>	e
<i>Phylica stenopetala</i>	e	<i>Synnotia roxburghii</i>	e
<i>Pleiospilos leipoldtii</i>	e	<i>Thamnea gracilis</i>	e
<i>Polycarena capitatum</i>	e	<i>Thamnochortus ellipticus</i>	e
<i>Polygala dasyphylla</i>	e	<i>Trichocaulon alstoni</i>	e
<i>Polygala langebergensis</i>	e	<i>Trichocaulon keetmanshoopense</i>	e
<i>Polygala pottebergensis</i>	e	<i>Trichocaulon kubusense</i>	e
<i>Protea denticulata</i>	e	<i>Trichocaulon pictum</i>	e
<i>Protea vogtsiae</i>	e	<i>Trichodiadema aurea</i>	e
<i>Rabiea jamesii</i>	e	<i>Trichodiadema obliquum</i>	e
<i>Raspalia barnardii</i>	e	<i>Trichodiadema peersii</i>	e
<i>Restio aureolus</i>	e	<i>Trichodiadema pygmaeum</i>	e
<i>Restio subcompressus</i>	e	<i>Trichodiadema rogersiae</i>	e
<i>Rhinephyllum inaequale</i>	e	<i>Trichodiadema rupicolum</i>	e
<i>Romulea jugicola</i>	e	<i>Tridentea baylissii</i>	e
<i>Romulea monadelpha</i>	e	<i>Tridentea choanantha</i>	e
<i>Romulea multisulcata</i>	e	<i>Tridentea longii</i>	e
<i>Romulea sphaerocarpa</i>	e	<i>Tridentea parvipuncta</i>	e
<i>Sceletium expansum</i>	e	<i>Tridentea umdausensis</i>	e
<i>Sceletium ovatum</i>	e	<i>Tritoniopsis elongata</i>	e
<i>Schizodium longipetalum</i>	e	<i>Urginea minor</i>	e
<i>Schwantesia acutipetala</i>	e	<i>Urginea pygmaea</i>	e
<i>Schwantesia australis</i>	e	<i>Wahlenbergia annuliformis</i>	e
<i>Schwantesia pillansii</i>	e	<i>Wahlenbergia brachycarpa</i>	e
<i>Schwantesiaz speciosa</i>	ne	<i>Wahlenbergia debilis</i>	e
<i>Schwantesia triebneri</i>	e	<i>Watsonia ecklonii</i>	e
<i>Secale africanum</i>	e	<i>Watsonia fergusoniae</i>	e
<i>Senecio foeniculoides</i>	e	<i>Watsonia hysterantha</i>	e
<i>Serruria incrassata</i>	e	<i>Watsonia rosea-alba</i>	e
<i>Serruria millefolia</i>	e	<i>Watsonia stanfordiae</i>	e
<i>Solanum crassifolium</i>	e	<i>Willdenowia affinis</i>	e
<i>Sparaxis elegans</i>	e	<i>Willdenowia fistulosa</i>	e
<i>Spatalla propinqua</i>	e	<i>Zaluzianskya ramosa</i>	e
<i>Spiloxene declinata</i>	e		

Uncertain

<i>Acmadenia alternifolia</i>	e	<i>Agathosma elata</i>	e
<i>Acmadenia cucullata</i>	e	<i>Agathosma involucrata</i>	e
<i>Acmadenia densifolia</i>	e	<i>Agathosma lancifolia</i>	e
<i>Acrolophia comosa</i>	e	<i>Agathosma leptospermoides</i>	e
<i>Adenoglossa decurrens</i>	e	<i>Agathosma linifolia</i>	e
<i>Adromischus humilis</i>	e	<i>Agathosma pattisonae</i>	e
<i>Adromischus marianae</i>	e	<i>Agathosma phillipsii</i>	e
<i>Adromischus phillipsiae</i>	e	<i>Agathosma planifolia</i>	e
<i>Agathosma cephalodes</i>	e	<i>Agathosma rehmanniana</i>	e
<i>Agathosma cordifolia</i>	e	<i>Agathosma sabulosa</i>	e
<i>Agathosma decurrens</i>	e	<i>Agathosma salina</i>	e

Agathosma scaberula	e	Aspalathus macrocarpa	e
Agathosma spinosa	e	Aspalathus obliqua	e
Agathosma umbonata	e	Aspalathus obtusifolia	e
Agathosma unicarPELLATA	e	Aspalathus odontoloba	e
Agathosma zwartbergense	e	Aspalathus orbiculata	e
Alciope lanata	e	Aspalathus pallescens	e
Amphiglossa callunoides	e	Aspalathus pilantha	e
Amphiglossa corrudaefolia	e	Aspalathus prostrata	e
Anaxeton angustifolium	e	Aspalathus quadrata	e
Anaexeton virgatum	e	Aspalathus ramosissima	e
Androcymbium fenestratum	e	Aspalathus rectistyla	e
Androcymbium scabromarginatum	e	Aspalathus rostrata	e
AnisodonteA dissecta	e	Aspalathus sulphurea	e
AnisodonteA gracilis	e	Aspalathus vaccinifolia	e
AnisodonteA pseudocapensis	e	Aspalathus vulpina	e
AnisodonteA racemosa	e	Athanasia crassifolia	e
AnisodonteA theronii	e	Athanasia harmeri	e
Arctotis aenea	ne	Athanasia mundtii	e
Arctotis crispata	e	Athanasia palmatifida	e
Arctotis diffusa	e	Athanasia quinquedentata	e
Arctotis dregei	e	Athanasia spathulata	e
Arctotis fosteri	e	Athanasia tomentella	e
Arctotis parvifolia	e	Babiana brachystachys	e
Arctotis rosea	e	Babiana foliosa	e
Arctotis sulcocarpa	e	Babiana horizontalis	e
Aristea palustris	e	Babiana klaverensis	e
Aristea recisa	e	Babiana lobata	e
Aristea simplex	e	Babiana obliqua	e
Aristea singularis	e	Babiana pilosa	e
Aspalathus acanthiloba	e	Babiana torta	e
Aspalathus aciloba	e	Berkheya angusta	e
Aspalathus arenaria	e	Berkheya dregei	e
Aspalathus burchelliana	e	Blepharis inermis	e
Aspalathus campestris	e	Bobartia gracilis	ne
Aspalathus candidula	e	Bobartia longicyma ssp	
Aspalathus compacta	e	longicyma	e
Aspalathus concava	e	Bobartia longicyma ssp	
Aspalathus corniculata	e	microflora	e
Aspalathus decora	e	Bonatea densiflora	e
Aspalathus digitifolia	e	Brachycorythis macowaniana	e
Aspalathus erythrodes	e	Brachymeris erubescens	e
Aspalathus ferox	e	Bulbine brunsvigiaefolia	e
Aspalathus florulenta	e	Bulbine flexicaulis	e
Aspalathus fourcadei	e	Bulbine minima	e
Aspalathus glossoides	e	Bulbine urGINEOIDES	e
Aspalathus grobleri	e	Caralluma aperta	e
Aspalathus hypnoides	e	Caralluma gracilis	e
Aspalathus incana	e	Carpolyza spiralis	e
Aspalathus karrooensis	e	Chasmanthe bicolor	e
Aspalathus lamarckiana	e	Chasmanthe fucata	e
Aspalathus latifolia	e	Chasmatophyllum maninum	e
Aspalathus lenticula	e	Cheilanthes depauperata	e
Aspalathus longifolia	e	Chlorophytum lewisae	e
Aspalathus macrantha	e	Chlorophytum monophyllum	e



<i>Cliffortia aculeata</i>	e	<i>Diascia rudolphi</i>	e
<i>Cliffortia carinata</i>	e	<i>Diascia scullyi</i>	e
<i>Cliffortia crenulata</i>	e	<i>Diascia tysoni</i>	e
<i>Cliffortia curvifolia</i>	e	<i>Diosma eckloniana</i>	e
<i>Cliffortia cymbifolia</i>	e	<i>Diosma patentifolia</i>	e
<i>Cliffortia intermedia</i>	e	<i>Diosma thyrsophora</i>	e
<i>Cliffortia lanata</i>	e	<i>Disa begleyi</i>	e
<i>Cliffortia longifolia</i>	e	<i>Disa brachyceras</i>	e
<i>Cliffortia monophylla</i>	e	<i>Disa falcata</i>	e
<i>Cliffortia montana</i>	e	<i>Disa sanguinea</i>	e
<i>Cliffortia multiformis</i>	e	<i>Disparago rosea</i>	e
<i>Cliffortia reticulata</i>	e	<i>Disperis macrocorys</i>	e
<i>Coleonema aspalathoides</i>	e	<i>Dorotheanthus rourkei</i>	e
<i>Corycium deflexum</i>	e	<i>Elegia altigena</i>	e
<i>Corycium venosum</i>	e	<i>Elegia bella</i>	e
<i>Corymbium fourcadei</i>	e	<i>Engysiphon brevitubus</i>	e
<i>Cotula loganii</i>	e	<i>Erica aneimana</i>	e
<i>Cotula paradoxa</i>	e	<i>Erica aspalathoides</i>	e
<i>Cotula pedunculata</i>	e	<i>Erica auriculata</i>	e
<i>Cotyledon ladismithiensis</i>	e	<i>Erica barrydalensis</i>	e
<i>Crassula alpestris</i> ssp		<i>Erica berzeloides</i>	e
<i>massoni</i>	e	<i>Erica blesbergensis</i>	e
<i>Crassula brachystachya</i>	e	<i>Erica cerviciflora</i>	e
<i>Crassula elsieae</i>	e	<i>Erica cryptanthera</i>	e
<i>Crassula multiflora</i> ssp		<i>Erica dilatata</i>	e
<i>leucantha</i>	e	<i>Erica diotaeflora</i>	e
<i>Crassula namaquensis</i> ssp		<i>Erica eriophoros</i>	e
<i>lutea</i>	e	<i>Erica ethelae</i>	e
<i>Crassula rupestris</i> var		<i>Erica gallorum</i>	e
<i>marnierana</i>	e	<i>Erica greyii</i>	e
<i>Crassula sericea</i> var <i>velutina</i>	e	<i>Erica heliophila</i>	e
<i>Cryptadenia laxa</i>	e	<i>Erica heterophylla</i>	e
<i>Cullumia floccosa</i>	e	<i>Erica keetii</i>	e
<i>Cullumia micracantha</i>	e	<i>Erica kraussiana</i>	e
<i>Cullumia selago</i>	e	<i>Erica latifolia</i>	e
<i>Cyphia comptonii</i>	e	<i>Erica lehmanii</i>	e
<i>Cyphia dentariaefolia</i>	e	<i>Erica macilenta</i>	e
<i>Cyphia longiflora</i>	e	<i>Erica mundii</i>	e
<i>Cyphia longilobata</i>	e	<i>Erica obconica</i>	e
<i>Cyphia oligotricha</i>	e	<i>Erica ostiaria</i>	e
<i>Cyphia ranunculifolia</i>	e	<i>Erica oxyandra</i>	e
<i>Cyphia salteri</i>	e	<i>Erica pearsoniana</i>	e
<i>Cyphia stephensii</i>	e	<i>Erica praenitens</i>	e
<i>Cyphia tortilis</i>	e	<i>Erica pyrantha</i>	e
<i>Cyrtanthus flavus</i>	e	<i>Erica rufescens</i>	e
<i>Cyrtanthus rectiflorus</i>	ne	<i>Erica sonora</i>	e
<i>Cyrtanthus suaveolens</i>	e	<i>Erica trichophora</i>	e
<i>Daubinya aurea</i>	e	<i>Erica trichophylla</i>	e
<i>Diascia dielsiana</i>	e	<i>Erica turbiniflora</i>	e
<i>Diascia dissecta</i>	e	<i>Erica turrisbabylonica</i>	e
<i>Diascia nana</i>	e	<i>Erica xanthina</i>	e
<i>Diascia nutans</i>	e	<i>Eriocephalus tenuipes</i>	e
<i>Diascia pentheri</i>	e	<i>Eriospermum cervicorne</i>	e
<i>Diascia ramosa</i>	e	<i>Eriospermum fasciculatum</i>	e

<i>Eriospermum patentiflorum</i>	e	<i>Gnidia parviflora</i>	e
<i>Eriospermum stoloniferum</i>	e	<i>Gnidia scabrida</i>	e
<i>Eriospermum villosum</i>	e	<i>Grisebachia niveni</i>	e
<i>Eroeda muirii</i>	e	<i>Grisebachia rigida</i>	e
<i>Euryops gracilipes</i>	e	<i>Haemanthus nortieri</i>	e
<i>Euryops mirus</i>	e	<i>Harveya euryantha</i>	e
<i>Euryops zeyheri</i>	e	<i>Helichrysum archeri</i>	e
<i>Faucaria longidens</i>	e	<i>Helichrysum cochleariforme</i>	e
<i>Felicia deserti</i>	ne	<i>Helichrysum concinnum</i>	e
<i>Felicia ebracteata</i>	e	<i>Helichrysum ernestianum</i>	ne
<i>Felicia nigrescens</i>	e	<i>Helichrysum filagineum</i>	e
<i>Ferraria foliosa</i>	e	<i>Helichrysum isolepis</i>	e
<i>Ferraria uncinata</i>	e	<i>Helichrysum leptorhizum</i>	e
<i>Galenia fruticosa</i>		<i>Helichrysum manopappum</i>	e
<i>var prostrata</i>	e	<i>Helichrysum pulchellum</i>	e
<i>Gasteria armstrongii</i>	e	<i>Helichrysum ramulosum</i>	e
<i>Gasteria lilliputana</i>	e	<i>Helichrysum silicicolum</i>	e
<i>Gazania caespitosa</i>	e	<i>Helichrysum simii</i>	e
<i>Geissorhiza burchellii</i>	e	<i>Helictotrichon barbatum</i>	e
<i>Geissorhiza geminata</i>	e	<i>Helictotrichon namaquense</i>	e
<i>Geissorhiza ixioides</i>	e	<i>Helictotrichon quinquisetum</i>	e
<i>Geissorhiza leipoldtii</i>	e	<i>Heliophila leptophylla</i>	e
<i>Geissorhiza ovalifolia</i>	e	<i>Heliophila ramosissima</i>	e
<i>Geissorhiza pappei</i>	e	<i>Hermannia repetenda</i>	e
<i>Geissorhiza rogersii</i>	e	<i>Herschelia charpentierana</i>	e
<i>Geissorhiza rubicunda</i>	e	<i>Herschelia multifida</i>	e
<i>Gethyllis herrei</i>	e	<i>Hesperantha oligantha</i>	e
<i>Gethyllis unilateralis</i>	e	<i>Hessea unguiculata</i>	e
<i>Gibbaeum angulipes</i>	e	<i>Heterolepis mitis</i>	e
<i>Gibbaeum pachypodium</i>	e	<i>Hippia hirsuta</i>	e
<i>Gladiolus acuminatus</i>	e	<i>Holothrix grandiflora</i>	e
<i>Gladiolus bilineatus</i>	e	<i>Holothrix lithophila</i>	e
<i>Gladiolus debilis var</i>		<i>Holothrix longicornu</i>	e
<i>variegatus</i>	e	<i>Holothrix macowaniana</i>	e
<i>Gladiolus engysiphon</i>	e	<i>Homeria lineata</i>	e
<i>Gladiolus floribundus ssp</i>		<i>Homeria spiralis</i>	e
<i>miniatus</i>	e	<i>Homoglossum vandermerwei</i>	e
<i>Gladiolus jonquilliodorus</i>	e	<i>Huernia simplex</i>	e
<i>Gladiolus kamiesbergensis</i>	e	<i>Hyobanche barklyi</i>	e
<i>Gladiolus leptosiphon</i>	e	<i>Hypolaena stokoei</i>	e
<i>Gladiolus maculatus ssp</i>		<i>Imitaria muirii</i>	e
<i>hiburnus</i>	e	<i>Isoetes wormaldii</i>	e
<i>Gladiolus marlothii</i>	e	<i>Ixia bellendenii</i>	e
<i>Gladiolus martleyi</i>	e	<i>Ixia cochlearis</i>	e
<i>Gladiolus mostertiae</i>	e	<i>Ixia conferta var conferta</i>	e
<i>Gladiolus nerineoides</i>	e	<i>Ixia conferta var ochroleuca</i>	e
<i>Gladiolus pillansii var roseus</i>	e	<i>Ixia curvata</i>	e
<i>Gladiolus recurvus</i>	e	<i>Ixia leipoldtii</i>	e
<i>Gladiolus stephaniae</i>	e	<i>Ixia maculata var</i>	
<i>Gladiolus subcaeruleus</i>	e	<i>fusco-citrina</i>	e
<i>Gladiolus tristis var</i>		<i>Ixia maculata var</i>	
<i>concolor</i>	e	<i>intermedia</i>	e
<i>Glottiphyllum uniondalense</i>	e	<i>Ixia rouxii</i>	e
<i>Gnidia leipoldtii</i>	e	<i>Ixia trifolia</i>	e

<i>Juncus obliquus</i>	e	<i>Muraltia pappeana</i>	e
<i>Kensitia pillansii</i>	e	<i>Muraltia pottebergensis</i>	e
<i>Klingia namaquana</i>	e	<i>Muraltia serrata</i>	e
<i>Kniphofia fibrosa</i>	ne	<i>Muraltia spicata</i>	e
<i>Lachenalia muirii</i>	e	<i>Nemesia glaucescens</i>	e
<i>Lachnaea elegans</i>	e	<i>Nemesia hastata</i>	e
<i>Lampranthus arbutnotiae</i>	e	<i>Nemesia pallida</i>	e
<i>Lamprocaulos schlechteri</i>	e	<i>Neopaterosonia uitenhagensis</i>	e
<i>Lapeirousia corymbosa</i> ssp <i>alta</i>	e	<i>Nerine bowdeni</i>	ne
<i>Laurentia longituba</i>	e	<i>Nerine huttoniae</i>	e
<i>Laurentia mariae</i>	e	<i>Nivenia dispar</i>	e
<i>Lightfootia brachyphylla</i>	e	<i>Nivenia fruticosa</i>	e
<i>Lightfootia effusa</i>	e	<i>Ophioglossum bergianum</i>	e
<i>Lightfootia microphylla</i>	e	<i>Ophthalmophyllum littlewoodii</i>	e
<i>Lightfootia multicaulis</i>	e	<i>Ophthalmophyllum longitubum</i>	e
<i>Lightfootia multiflora</i>	e	<i>Ophthalmophyllum noctiflorum</i>	e
<i>Lightfootia pauciflora</i>	e	<i>Ophthalmophyllum spathulatum</i>	e
<i>Lightfootia planifolia</i>	e	<i>Ophthalmophyllum vanheerdei</i>	e
<i>Lightfootia squarrosa</i>	e	<i>Ornithogalum inclusum</i>	e
<i>Lightfootia umbellata</i>	e	<i>Osteospermum armatum</i>	e
<i>Liparia splendens</i>	e	<i>Osteospermum pterigoideum</i>	e
<i>Lithospermum flexuosum</i>	e	<i>Osteospermum wallianum</i>	e
<i>Lobelia capillipes</i>	e	<i>Othonna abrotanifolia</i>	e
<i>Lobelia dasyphylla</i>	e	<i>Othonna cacalioides</i>	e
<i>Lobelia disperma</i>	e	<i>Othonna cakilefolia</i>	e
<i>Lobelia hypsibata</i>	e	<i>Othonna lasiocarpa</i>	e
<i>Lobelia laurentioides</i>	e	<i>Othonna lepidocaulis</i>	e
<i>Lobelia montaguensis</i>	e	<i>Othonna linearifolia</i>	e
<i>Lobelia nugax</i>	e	<i>Othonna miser</i>	e
<i>Lobostemon collinus</i>	e	<i>Othonna papaveroides</i>	e
<i>Lobostemon gracilis</i>	e	<i>Othonna patula</i>	e
<i>Lobostemon grandiflorus</i>	e	<i>Othonna pinnatilobata</i>	e
<i>Lobostemon horridus</i>	e	<i>Othonna rechingeri</i>	e
<i>Lobostemon hottentoticus</i>	e	<i>Othonna spinescens</i>	e
<i>Lobostemon inconspicuus</i>	e	<i>Othonna tephrosioides</i>	e
<i>Lobostemon lucidus</i>	e	<i>Oxalis anomala</i>	e
<i>Lobostemon muirii</i>	e	<i>Oxalis attaquana</i>	e
<i>Mairia decumbens</i>	e	<i>Oxalis blastorrhiza</i>	e
<i>Manulea glandulosa</i>	e	<i>Oxalis callimarginata</i>	e
<i>Marasmodes oligocephalus</i>	e	<i>Oxalis calvinensis</i>	e
<i>Massonia laeta</i>	e	<i>Oxalis cathara</i>	e
<i>Matricaria schlechteri</i>	e	<i>Oxalis ciliaris</i> var <i>pageae</i>	e
<i>Metalasia bodkinii</i>	e	<i>Oxalis comptonii</i>	e
<i>Metalasia erectifolia</i>	e	<i>Oxalis creaseyi</i>	e
<i>Metalasia schlechteri</i>	e	<i>Oxalis crispula</i>	e
<i>Metalasia tricolor</i>	e	<i>Oxalis crispula</i> var <i>glandulosa</i>	e
<i>Monadenia pygmaea</i>	e	<i>Oxalis crocea</i>	e
<i>Monopsis arenaria</i>	e	<i>Oxalis cuneata</i>	e
<i>Monopsis flava</i>	e	<i>Oxalis dichotoma</i>	e
<i>Monopsis stricta</i>	e	<i>Oxalis duriuscula</i>	e
<i>Muraltia capensis</i>	e	<i>Oxalis extensa</i>	e
<i>Muraltia carnosa</i>	e	<i>Oxalis fourcadei</i>	e
<i>Muraltia gillettiae</i>	e	<i>Oxalis heidelbergensis</i>	e

<i>Oxalis henrici</i>	e	<i>Phylica floribunda</i>	e
<i>Oxalis ioeides</i>	e	<i>Phylica glabrata</i>	e
<i>Oxalis lasiorrhiza</i>	e	<i>Phylica guthriei</i>	e
<i>Oxalis luteola</i> var <i>minor</i>	e	<i>Phylica incurvata</i>	e
<i>Oxalis marlothii</i>	e	<i>Phylica laevifolia</i>	e
<i>Oxalis massoniana</i>	e	<i>Phylica laevigata</i>	e
<i>Oxalis massoniana</i> var <i>flavescens</i>	e	<i>Phylica laevis</i>	e
<i>Oxalis melanosticta</i> var <i>latifolius</i>	e	<i>Phylica lasiantha</i>	e
<i>Oxalis oligophylla</i>	e	<i>Phylica leipoldtii</i>	e
<i>Oxalis orbicularis</i>	e	<i>Phylica levynsiae</i>	e
<i>Oxalis oreithala</i>	e	<i>Phylica linifolia</i>	e
<i>Oxalis oreophila</i>	e	<i>Phylica longimontana</i>	e
<i>Oxalis porphyriosiphon</i>	e	<i>Phylica lucens</i>	e
<i>Oxalis pulvinata</i>	e	<i>Phylica lucida</i>	e
<i>Oxalis purpurata</i>	e	<i>Phylica maximiliani</i>	e
<i>Oxalis reclinata</i>	e	<i>Phylica nigromontana</i>	e
<i>Oxalis reclinata</i> var <i>gracillima</i>	e	<i>Phylica nodosa</i>	e
<i>Oxalis reclinata</i> var <i>quinata</i>	e	<i>Phylica pauciflora</i>	e
<i>Oxalis rhomboidea</i>	e	<i>Phylica pearsonii</i>	e
<i>Oxalis rubro-punctata</i>	e	<i>Phylica recurvifolia</i>	e
<i>Oxalis simplex</i>	e	<i>Phylica retrorsa</i>	e
<i>Oxalis stellata</i> var <i>montaguensis</i>	e	<i>Phylica reversa</i>	e
<i>Oxalis stellata</i> var <i>gracilior</i>	e	<i>Phylica salteri</i>	e
<i>Oxalis tenuis</i>	e	<i>Phylica sericea</i>	e
<i>Ozoroa concolor</i>	ne	<i>Phylica trachyphylla</i>	e
<i>Pectinaria stayneri</i>	e	<i>Phylica wittebergensis</i>	e
<i>Pellaea namaquensis</i>	e	<i>Pleiospilos kingiae</i>	e
<i>Pellaea rufa</i>	e	<i>Polycarena filiformis</i>	e
<i>Pentameris obtusifolia</i>	e	<i>Polycarena gracilipes</i>	e
<i>Pentaschistis burchellii</i>	e	<i>Polycarena minimum</i>	e
<i>Pentaschistis heterochaeta</i>	e	<i>Polycarena multifolium</i>	e
<i>Pentaschistis hirsuta</i>	e	<i>Polycarena parvula</i>	e
<i>Pentaschistis zeyheri</i>	e	<i>Polycarena sordidum</i>	e
<i>Pentzia trifida</i>	e	<i>Polygala lasiosepala</i>	e
<i>Phylica affinis</i>	e	<i>Polyxena corymbosa</i>	e
<i>Phylica agathosmoides</i>	e	<i>Prionanthium ecklonii</i>	e
<i>Phylica alpina</i>	e	<i>Prionanthium rigidum</i>	e
<i>Phylica altigena</i>	e	<i>Prismatocarpus decurrens</i>	e
<i>Phylica amoena</i>	e	<i>Prismatocarpus fastigiatus</i>	e
<i>Phylica anomala</i>	e	<i>Prismatocarpus hispidus</i>	e
<i>Phylica apiculata</i>	e	<i>Prismatocarpus implicatus</i>	e
<i>Phylica barbata</i>	e	<i>Prismatocarpus pauciflorus</i>	e
<i>Phylica brachycephala</i>	e	<i>Prismatocarpus pilosus</i>	e
<i>Phylica burchellii</i>	e	<i>Prismatocarpus spinosus</i>	e
<i>Phylica chionocephala</i>	e	<i>Pteronia inflexa</i>	e
<i>Phylica comosa</i>	e	<i>Pteronia pillansii</i>	e
<i>Phylica cuspidata</i>	e	<i>Pteronia scabra</i>	e
<i>Phylica diosmoides</i>	e	<i>Pteronia tenuifolia</i>	e
		<i>Pterothrix cymbaefolia</i>	e
		<i>Pterothrix flaccida</i>	e
		<i>Pterothrix perotrichoides</i>	e
		<i>Ranunculus capensis</i>	e
		<i>Relhania conferta</i>	e
		<i>Relhania decussata</i>	e

Relhania garnotii	e	Stoebe cyathuloides	e
Relhania multipunctata	e	Stoebe ensori	e
Relhania steyniae	e	Stoebe schultzii	e
Relhania tricephala	e	Strumaria picta	e
Restio filicaulis	e	Strumaria salteri	e
Restio setiger	e	Strumaria watermeyeri	e
Restio tuberculatus	e	Sutera atrocaerulea	e
Rhigiophyllum squarrosus	e	Sutera cephalotes	e
Rhus krebsiana	ne	Sutera cephalotes var	
Roella bryoides	e	glabrata	e
Roella cuspidata var		Sutera divaricata	e
hispidata	e	Sutera gracilis	e
Roella latiloba	e	Sutera infundibuliformis	e
Roella lightfootioides	e	Sutera intertexta	e
Romulea cedarbergensis	e	Sutera stenopetala	e
Romulea hallii	e	Sutera subnuda	e
Romulea komsbergensis	e	Syringodea flanaganii	ne
Romulea malaniae	e	Syringodea pulchella	e
Romulea membranacea	e	Syringodea saxatilis	e
Romulea namaquensis ssp		Tetraria brachypylla	e
bolusii	e	Thaminophyllum multiflorum	e
Romulea namaquensis ssp		Thamnochortus nervosus	e
namaquensis	e	Trachyandra adamsonii	e
Romulea sinispinosensis	e	Trachyandra gracilentata	e
Romulea viridibracteata	e	Trichocaulon halenbergense	e
Rosenia glandulosa	e	Trichocaulon rusticum	e
Schizodium obliquum	e	Trichocaulon simile	e
Scilla plumbea	e	Tridentea virescens	e
Selaginella pygmaea	e	Tritonia kamisbergensis	e
Senecio addoensis	e	Tylecodon schaeferianus	ne
Senecio albopunctatus	e	Urginea forsteri	e
Senecio anthemifolius	e	Urginea pedunculata	e
Senecio diodon	e	Urginea revoluta	e
Senecio erysimoides	e	Ursinia pygmaea	e
Senecio expansus	e	Venidium angustifolium	e
Senecio haworthii	e	Venidium bolusii	e
Senecio hirtellus	e	Venidium fugax	e
Senecio microspermus	e	Venidium macrospermum	e
Senecio muirii	e	Wahlenbergia asperifolia	e
Senecio rehmanni	e	Wahlenbergia bolusiana	e
Senecio serrurioides	e	Wahlenbergia bowkeri	e
Senecio succulentus	e	Wahlenbergia ciliolata	e
Senecio thunbergii	e	Wahlenbergia clavatula	e
Senecio trachylaenus	e	Wahlenbergia compacta	e
Senecio trachyphyllus	e	Wahlenbergia constricta	e
Sphalmanthus arenicolus	e	Wahlenbergia distincta	e
Spiloxene maximiliani	e	Wahlenbergia divergens	e
Spiloxene umbraticola	e	Wahlenbergia dunantii	e
Stapelia bijliae	e	Wahlenbergia floribunda	e
Stapelia gariensis	e	Wahlenbergia lasiocarpa	e
Stapelia vetula var simsii	e	Wahlenbergia longisepala	e
Stilpnophytum inopinatum	e	Wahlenbergia massonii	e
Stilpnophytum oocephalum	e	Wahlenbergia minuta	e
Stoebe copholepis	e	Wahlenbergia mollis	e

Wahlenbergia namaquana	e	Watsonia ardernei	e
Wahlenbergia oligotricha	e	Watsonia caledonica	e
Wahlenbergia polyclada	e	Watsonia cooperi	e
Wahlenbergia ramifera	e	Watsonia dubia	e
Wahlenbergia rara	e	Watsonia emiliae	e
Wahlenbergia roelliflora	e	Watsonia gladioloides	e
Wahlenbergia rotundifolia	e	Watsonia pauciflora	e
Wahlenbergia schistacea	e	Watsonia rogersii	e
Wahlenbergia serpentina	e	Watsonia strictiflora	e
Wahlenbergia subpilosa	e	Watsonia vittata	e
Wahlenbergia subtilis	e	Watsonia wordsworthiana	e
Wahlenbergia swellendamensis	e	Witsenia maura	e
Wahlenbergia tomentosula	e	Zaluzianskya nemesioides	e
Wahlenbergia tumida	e		

LISTS OF THREATENED TAXA IN DEGREE AREAS WITHIN EACH COUNTRY/PROVINCE

S O U T H - W E S T A F R I C A / N A M I B I A

Area name: Porto Velho  
Boundaries: 17-18S, 12-13E  
Number of taxa listed: 9

Rare

Acacia hebeclada ssp  
 tristis ne  
 Acacia robynsiana ne  
 Boscia microphylla ne

Uncertain

Adenium boehmianum ne  
 Boscia tomentosa ne  
 Combretum wattii ne  
 Commiphora discolor ne  
 Hibiscus waterbergensis ne  
 Sesamothamnus benguellensis ne

Area name: Ondangua  
Boundaries: 17-18S, 15-16E  
Number of taxa listed: 2

Rare

Acacia hebeclada ssp tristis ne  
 Crinum rautanenianum ne

Area name: Enana  
Boundaries: 17-18S, 16-17E  
Number of taxa listed: 2

Rare

Crinum rautanenianum ne  
 Entandrophragma spicatum ne

Area name: Swartbooisdrif  
Boundaries: 17-18S, 13-14E  
Number of taxa listed: 1

Rare

Boscia microphylla ne

Area name: Kuring-Kuru  
Boundaries: 17-18S, 18-19E  
Number of taxa listed: 1

Rare

Acacia hebeclada ssp tristis ne

Area name: Ruacana Falls  
Boundaries: 17-18S, 14-15E  
Number of taxa listed: 3

Rare

Crinum rautanenianum ne  
 Entandrophragma spicatum ne

Indeterminate

Eulophia holobii ne

Area name: Runtu  
Boundaries: 17-18S, 19-20E  
Number of taxa listed: 4

Rare

Acacia hebeclada ssp  
 chobiensis ne  
 Crinum baumii ne  
 Nymphaea lotus ne

Indeterminate

Crinum carolo-schmidtii ne

Area name: Sambio  
Boundaries: 17-18S, 20-21E  
Number of taxa listed: 1

Indeterminate

Crinum carolo-schmidtii ne

Area name: Singalamwe  
Boundaries: 17-18S, 23-24E  
Number of taxa listed: 3

Rare

Crinum baumii ne

Ficus fischeri ne

Uncertain

Homalium abdessammadii ne

Area name: Katima Mulilo  
Boundaries: 17-18S, 24-25E  
Number of taxa listed: 14

Rare

Acacia hebeclada ssp  
chobiensis ne

Citropsis daweana ne

Crinum crassicaule ne

Crinum euchrophyllum ne

Ficus fischeri ne

Xeroderris stuhlmannii ne

Indeterminate

Crinum carolo-schmidtii ne

Eulophia holubii ne

Uncertain

Amblygonocarpus andongensis ne

Friesodielsia obovata ne

Homalium abdessammadii ne

Schrebera trichoclada ne

Turraea zambesica ne

Xylopiya odoratissima ne

Area name: Livingstone  
Boundaries: 17-18S, 25-26E  
Number of taxa listed: 9

Rare

Barleria megalosiphon ne

Crinum kirkii ne

Indeterminate

Eulophia holubii ne

Uncertain

Barleria ameliae ne

Boscia angustifolia var  
corymbosa ne

Byrsocarpus orientalis ne

Cordia pilosissima ne

Friesodielsia obovata ne

Schrebera trichoclada ne

Area name: Sanitatas  
Boundaries: 18-19S, 12-13E  
Number of taxa listed: 3

Rare

Acacia montis-usti ne

Boscia microphylla ne

Uncertain

Euphorbia eduardoi ne

Area name: Ohopoho  
Boundaries: 18-19S, 13-14E  
Number of taxa listed: 2

Rare

Acacia hebeclada ssp tristis ne

Kalanchoe laciniata ne

Area name: Okahakana  
Boundaries: 18-19S, 15-16E  
Number of taxa listed: 1



Indeterminate		<u>Area name: Tsumeb</u>	
<i>Eulophia leucantha</i>	e	<u>Boundaries: 19-20S, 17-18E</u>	
		<u>Number of taxa listed: 2</u>	
		Uncertain	
		<i>Adenium boehmianum</i>	ne
		<i>Crinum nerinoides</i>	ne
<u>Area name: Namutoni</u>			
<u>Boundaries: 18-19S, 16-17E</u>			
<u>Number of taxa listed: 1</u>			
Uncertain			
<i>Barleria albipilosa</i>	ne	<u>Area name: Grootfontein</u>	
		<u>Boundaries: 19-20S, 18-19E</u>	
		<u>Number of taxa listed: 1</u>	
		Rare	
		<i>Erythrina decora</i>	ne
<u>Area name: Sesfontein</u>			
<u>Boundaries: 19-20S, 13-14E</u>			
<u>Number of taxa listed: 2</u>			
Rare			
<i>Acacia montis-usti</i>	ne	<u>Area name: Tsunkwe</u>	
<i>Kirkia dewinteri</i>	ne	<u>Boundaries: 19-20S, 20-21E</u>	
		<u>Number of taxa listed: 1</u>	
		Indeterminate	
		<i>Crinum carolo-schmidtii</i>	ne
<u>Area name: Kamanjab</u>			
<u>Boundaries: 19-20S, 14-15E</u>			
<u>Number of taxa listed: 1</u>			
Uncertain			
<i>Adenium boehmianum</i>	ne	<u>Area name: Otjihorongo</u>	
		<u>Boundaries: 20-21S, 15-16E</u>	
		<u>Number of taxa listed: 1</u>	
		Rare	
		<i>Boscia microphylla</i>	ne
<u>Area name: Okaukuejo</u>			
<u>Boundaries: 19-20S, 15-16E</u>			
<u>Number of taxa listed: 1</u>			
Uncertain			
<i>Adenium boehmianum</i>	ne	<u>Area name: Otjiwarongo</u>	
		<u>Boundaries: 20-21S, 16-17E</u>	
		<u>Number of taxa listed: 5</u>	
		Rare	
		<i>Acacia robynsiana</i>	ne
		<i>Boscia microphylla</i>	ne
		Uncertain	
Indeterminate		<i>Adenium boehmianum</i>	ne
<i>Eulophia austrooccidentalis</i>	e	<i>Combretum wattii</i>	ne
		<i>Obetia carruthersiana</i>	ne

Area name: Uis  
Boundaries: 21-22S, 14-15E  
Number of taxa listed: 3

Rare

Acacia montis-usti ne  
 Acacia robynsiana ne  
 Boscia microphylla ne

Area name: Karibib  
Boundaries: 21-22S, 15-16E  
Number of taxa listed: 1

Rare

Dombeya rotundifolia var  
 velutina ne

Area name: Steinhausen  
Boundaries: 21-22S, 18-19E  
Number of taxa listed: 1

Indeterminate

Crinum carolo-schmidtii ne

Area name: Swakopmund  
Boundaries: 22-23S, 14-15E  
Number of taxa listed: 2

Rare

Erythrina decora ne

Uncertain

Obetia carruthersiana ne

Area name: Trekkopje  
Boundaries: 22-23S, 15-16E  
Number of taxa listed: 1

Uncertain

Ozoroa insignis ssp  
 latifolia e

Area name: Otjimbingwe  
Boundaries: 22-23S, 16-17E  
Number of taxa listed: 1

Uncertain

Adenium boehmianum ne

Area name: Windhoek  
Boundaries: 22-23S, 17-18E  
Number of taxa listed: 3

Rare

Erythrina decora ne

Uncertain

Adenium boehmianum ne  
 Haemanthus avasmontanus e

Area name: Gobabis  
Boundaries: 22-23S, 18-19E  
Number of taxa listed: 1

Uncertain

Crinum nerinoides ne

Area name: Nauchas  
Boundaries: 23-24S, 16-17E  
Number of taxa listed: 3

Rare

Dombeya rotundifolia var  
 velutina ne

Erythrina decora ne

Uncertain

Arctotis aenea ne

Area name: Maltahohe  
Boundaries: 24-25S, 16-17E  
Number of taxa listed: 2

Vulnerable		<u>Area name: Chamaites</u>	
Aloe karasbergensis	ne	<u>Boundaries: 27-28S, 17-18E</u>	
		<u>Number of taxa listed: 1</u>	
Rare		Uncertain	
Dombeya rotundifolia var velutina	ne	Ozoroa concolor	ne
		<u>Area name: Grunau</u>	
		<u>Boundaries: 27-28S, 18-19E</u>	
		<u>Number of taxa listed: 1</u>	
Uncertain		Vulnerable	
Tylecodon schaeferianus	ne	Aloe karasbergensis	ne
		<u>Area name: Warmbad</u>	
		<u>Boundaries: 28-29S, 18-19E</u>	
		<u>Number of taxa listed: 5</u>	
		Vulnerable	
		Aloe karasbergensis	ne
		Rare	
		Cotyledon rubrovenosa	ne
		Indeterminate	
		Adenium oleifolium	ne
		Schwantesia speciosa	ne
		Uncertain	
		Felicia deserti	ne
		<u>Area name: Ariamsvlei</u>	
		<u>Boundaries: 28-29S, 19-20E</u>	
		<u>Number of taxa listed: 1</u>	
		Rare	
		Cotyledon rubrovenosa	ne
		<u>Area name: Witputz</u>	
		<u>Boundaries: 27-28S, 16-17E</u>	
		<u>Number of taxa listed: 2</u>	
		Uncertain	
		Ozoroa concolor	ne
		Tylecodon singularis	e

B O T S W A N A

Area name: Andara  
Boundaries: 18-19S, 21-22E  
Number of taxa listed: 7

Rare

Acacia hebeclada ssp  
 chobiensis  
 Acacia hebeclada ssp  
 tristis  
 Citropsis daweana  
 Crinum crassicaule  
 Nymphaea lotus

Uncertain

Albizia antunesiana  
 Friesodielsia obovata

Rare

Nymphaea lotus

Uncertain

Brasenia schreberi  
 Ruspolia hypocrateriformis var  
 australis

Area name: Kwebe Hills  
Boundaries: 20-21S, 23-24E  
Number of taxa listed: 1

Uncertain

Brasenia schreberi

Area name: Kangara  
Boundaries: 18-19S, 22-23E  
Number of taxa listed: 2

Rare

Nymphaea lotus

Uncertain

Hyptis spicigera

Area name: Plumtree  
Boundaries: 20-21S, 27-28E  
Number of taxa listed: 1

Uncertain

Albizia amara ssp  
 sericocephala

Area name: Rakops  
Boundaries: 21-22S, 24-25E  
Number of taxa listed: 1

Uncertain

Hoodia lugardii

Area name: Kachikau  
Boundaries: 18-19S, 24-25E  
Number of taxa listed: 2

Rare

Citropsis daweana

Uncertain

Turraea zambesica

Area name: Francistown  
Boundaries: 21-22S, 27-28E  
Number of taxa listed: 1

Uncertain

Albizia amara ssp  
 sericocephala

Area name: Maun  
Boundaries: 19-20S, 23-24E  
Number of taxa listed: 3

ne

ne

ne

ne

ne

ne

ne

ne

ne

ne

ne

ne

ne

ne

Area name: Gaborone  
Boundaries: 24-25S, 25-26E  
Number of taxa listed: 1

Vulnerable

Orbea maculata

ne

Area name: Mafeking  
Boundaries: 25-26S, 25-26E  
Number of taxa listed: 1

Rare

Boscia foetida ssp  
 minima

ne

T R A N S V A A L

Area name: Maasstroom  
Boundaries: 22-23S, 28-29E  
Number of taxa listed: 1

Uncertain

Ochna glauca

ne

Uncertain

Adenia fruticosa ssp  
 simplicifolia

e

Hibiscus waterbergensis

ne

Hoodia lugardii

ne

Jatropha messinica

ne

Ochna glauca

ne

Orbea woodii

ne

Orbeanthus hardyi

ne

Ruspolia hypocrateriformis var  
 australis

ne

Area name: Waterpoort  
Boundaries: 22-23S, 29-30E  
Number of taxa listed: 26

Vulnerable

Huernia nouhuysii

ne

Orbea maculata

ne

Stapelia clavicorona

e

Area name: Messina  
Boundaries: 22-23S, 30-31E  
Number of taxa listed: 19

Rare

Rare

Aloe angelica

ne

Alchornea laxiflora

ne

Aloe petrophila

ne

Aloe vogtsii

ne

Anisotes sessiliflorus

ne

Anisotes sessiliflorus

ne

Capparis sepiaria var

Bosqueia phoberos

ne

subglabra

ne

Encephalartos transvenosus

ne

Encephalartos transvenosus

ne

Enterospermum rhodesiacum

ne

Enterospermum rhodesiacum

ne

Holarrhena pubescens

ne

Euphorbia zoutpansbergensis

e

Lagynias dryandrum

ne

Linociera battiscombei

ne

Neorosea andongensis

ne

Neorosea andongensis

ne

Phyllanthus kirkianus

ne

Orbeanthus conjunctus

ne

Pilea rivularis

ne

Strophanthus luteolus

ne

Protea transvaalensis

ne

Turbina stenosphon

ne

Xylopia parviflora

ne

Xeroderris stuhlmannii

ne

Zanthoxylum leprieurii

ne

Indeterminate

Indeterminate

Adenium oleifolium

ne

Adenium obesum

ne

Pachypodium saundersii

ne

Ensete ventricosum

ne

Uncertain		<u>Area name: Ellisras</u>	
		<u>Boundaries: 23-24S, 27-28E</u>	
Hoodia lugardii	ne	<u>Number of taxa listed: 2</u>	
Jatropha messinica	ne		
Xylopia odoratissima	ne	Rare	
		Euphorbia waterbergensis	e
		Uncertain	
		Hibiscus waterbergensis	ne
		<u>Area name: Pafuri</u>	
		<u>Boundaries: 22-23S, 31-32E</u>	
		<u>Number of taxa listed: 30</u>	
Rare			
Alchornea laxiflora	ne	<u>Area name: Baltimore</u>	
Aloe angelica	ne	<u>Boundaries: 23-24S, 28-29E</u>	
Anisotes sessiliflorus	ne	<u>Number of taxa listed: 3</u>	
Capparis sepiaria var subglabra	ne	Vulnerable	
Deinbollia xanthocarpa	ne		
Dombeya kirkii	ne	Euphorbia tortirama	ne
Guibourtia conjugata	ne		
Heinsia crinita	ne	Uncertain	
Hippocratea crenata	ne		
Holarrhena pubescens	ne	Disa breyeri	e
Hugonia orientalis	ne	Jasminum abyssinicum	ne
Lagynias dryandrum	ne		
Phyllanthus kirkianus	ne		
Turbina shirensis	ne		
Xeroderris stuhlmannii	ne	<u>Area name: Pietersburg</u>	
Xylia torreana	ne	<u>Boundaries: 23-24S, 29-30E</u>	
Zanthoxylum leprieurii	ne	<u>Number of taxa listed: 32</u>	
Zygoon graveolens	ne	Vulnerable	
Indeterminate			
Adenium obesum	ne	Encephalartos eugene-maraisii	ne
		Euphorbia groenewaldii	e
		Euphorbia tortirama	ne
Uncertain		Kalanchoe crundallii	e
		Warburgia salutaris	ne
Albizia amara ssp sericocephala	ne	Rare	
Boscia angustifolia var corymbosa	ne	Aloe angelica	ne
Cordia grandicalyx	ne	Aloe soutpansbergensis	e
Drypetes mossambicensis	ne	Aloe vogtsii	ne
Euphorbia rowlandii	e	Aloe vossii	e
Hippocratea parvifolia	ne	Encephalartos transvenosus	ne
Maytenus oxycarpa	ne	Enterospermum rhodesiacum	ne
Maytenus pubescens	ne	Euclea linearis	ne
Ruspolia hypoc crateriformis var australis	ne	Kaempferia aethiopica	ne
Strophanthus kombe	ne	Kniphofia coralligemma	ne
Xylopia odoratissima	ne	Linociera battiscombei	ne
		Neorosea andongensis	ne

Ocotea kenyensis	ne	Indeterminate	
Orbeanthus conjunctus	ne		
Pilea rivularis	ne	Adenium obesum	ne
Protea transvaalensis	ne	Ensete ventricosum	ne
Turbina stenosphon	ne		
Watsonia transvaalensis	ne	Uncertain	
Watsonia wilmsii	ne		
Zoutpansbergia caerulea	e	Aloe thompsoniae	ne
		Eragrostis arenicola	e
Indeterminate		Inula paniculata	ne
		Melinis tenuissima	e
Nervilia natalensis	ne	Mondia whitei	ne
		Oberonia disticha	ne
Uncertain		Polystachya albescens ssp imbricata	ne
Agapanthus dyeri	e	Ruspolia hypocrateriformis var australis	ne
Babiana hypogea var longituba	e	Schizachrium brevifolius	e
Disperis gracilis	ne	Xerophyta villosa	ne
Felicia fruticosa ssp brevipedunculata	ne	Xylophia odoratissima	ne
Kniphofia crassifolia	e		
Oreosyce africana	ne		
Xerophyta villosa	ne	Area name: Phalaborwa	
		Boundaries: 23-24S, 31-32E	
		Number of taxa listed: 8	
Area name: Tzaneen		Rare	
Boundaries: 23-24S, 30-31E			
Number of taxa listed: 31			
Vulnerable		Aloe vandermerwei	ne
		Gladiolus brachyphyllus	ne
		Stadmania oppositifolia ssp rhodesica	ne
Aloe monotropa	e		
Encephalartos eugene-maraisii	ne	Indeterminate	
Warburgia salutaris	ne		
Rare		Adenium obesum	ne
		Pachypodium saundersii	ne
		Uncertain	
Aloe vandermerwei	ne		
Borassus aethiopicum	ne		
Clivia caulescens	ne	Albizia amara ssp sericocephala	ne
Cordia africana	ne		
Encephalartos transvenosus	ne	Hymenodictyon parvifolium	ne
Gladiolus varius var micranthus	ne	Jatropha messinica	ne
Gladiolus vernus	ne		
Kaempferia aethiopica	ne		
Kniphofia coralligemma	ne	Area name: Thabazimbi	
Linociera battiscombei	ne	Boundaries: 24-25S, 27-28E	
Neobolusia tysonii	ne	Number of taxa listed: 6	
Ocotea kenyensis	ne		
Protea rubropilosa	ne	Rare	
Watsonia transvaalensis	ne		
Xylophia parviflora	ne	Boscia foetida ssp minima	ne

Erythrophysa transvaalensis	ne	Area name: Pilgrims Rest	
Freylinia tropica	ne	Boundaries: 24-25S, 30-31E	
Kniphofia coralligemma	ne	Number of taxa listed: 59	
Uncertain		Endangered	
Agapanthus coddii	e	Encephalartos cupidus	e
Hibiscus waterbergensis	ne	Encephalartos inopinus	e
		Euphorbia barnardii	e
		Vulnerable	
Area name: Nylstroom		Encephalartos eugene-maraisii	ne
Boundaries: 24-25S, 28-29E		Encephalartos lanatus	ne
Number of taxa listed: 7		Warburgia salutaris	ne
Vulnerable		Rare	
Encephalartos eugene-maraisii	ne	Aloe minima var	
Euphorbia tortirama	ne	blyderivierensis	ne
Rare		Clivia caulescens	ne
		Cyrtanthus bicolor	ne
Aloe petrophila	ne	Cyrtanthus huttonii	ne
Euclea linearis	ne	Cyrtanthus throncroftii	ne
Freylinia tropica	ne	Dombeya autumnalis	ne
Grewia rogersii	e	Encephalartos paucidentatus	ne
Ocotea kenyensis	ne	Encephalartos transvenosus	ne
		Euclea linearis	ne
		Euphorbia grandialata	e
		Euphorbia restricta	e
Area name: Zebediela		Euphorbia sekukuniensis	ne
Boundaries: 24-25S, 29-30E		Faurea macnaughtonii	ne
Number of taxa listed: 10		Gladiolus exiguus	ne
Vulnerable		Gladiolus macneilii	e
		Gladiolus rufomarginatus	ne
		Gladiolus varius var	
Euphorbia tortirama	ne	micranthus	ne
		Gladiolus varius var	
Rare		varius	ne
		Gladiolus vernus	ne
Euphorbia clivicola	e	Hypericum roeperanum var	
Euphorbia sekukuniensis	ne	roeperanum	e
Triaspis glaucophylla	ne	Kaempferia aethiopica	ne
Indeterminate		Kniphofia coralligemma	ne
		Kniphofia rigidifolia	ne
		Kniphofia triangularis ssp	
Eulophia leachii	ne	obtusiloba	ne
Uncertain		Kotschya thymodora var	
		thymodora	ne
		Leucospermum saxosum	ne
Elephantorrhiza praetermissa	ne	Orbeopsis gerstneri ssp	
Felicia fruticosa ssp		elongata	e
brevipedunculata	ne	Protea rubropilosa	ne
Gladiolus microcarpus	ne	Streptocarpus decipiens	e
Orbeanthus hardyi	ne	Triaspis glaucophylla	ne
Xerophyta villosa	ne	Watsonia occulta	ne



Watsonia transvaalensis	ne	<u>Area name: Pretoria</u>	
Watsonia wilmsii	ne	<u>Boundaries: 25-26S, 28-29E</u>	
		<u>Number of Taxa listed: 10</u>	
Indeterminate		Endangered	
Adenium obesum	ne		
Eulophia leachii	ne	Nervilia kotschyi	ne
Nervilia natalensis	ne		
Pachypodium saundersii	ne	Vulnerable	
Uncertain		Gladiolus pretoriensis	ne
Aloe thompsoniae	ne	Rare	
Catha transvaalensis	e		
Cyrtanthus junodii	e	Aloe peglerae	ne
Disa extinctoria	ne	Boscia foetida ssp minima	ne
Duvernoia aconitiflora	ne	Frithia pulchra	ne
Elephantorrhiza praetermissa	ne	Gladiolus pole-evansii	ne
Hyptis spicigera	ne	Nuxia glomerulata	ne
Jasminum abyssinicum	ne	Nymphaea lotus	ne
Macrorungia longistrobus	ne		
Orbeanthus hardyi	ne	Indeterminate	
Oreosyce africana	ne		
Protea laetans	e	Pachypodium saundersii	ne
Rhus batophylla	e		
Ruspolia hypocrateriformis var australis	ne	Uncertain	
Sutera macrantha	ne	Habenaria kraenzliniana	e
Zantedeschia jucunda	e		

Area name: Acornhoek  
Boundaries: 24-25S, 31-32E  
Number of taxa listed: 11

Area name: Witbank  
Boundaries: 25-26S, 29-30E  
Number of taxa listed: 17

Rare		Vulnerable	
Acacia welwitschii ssp delagoensis	ne	Encephalartos eugene-maraisii	ne
Aloe vandermerwei	ne	Encephalartos lanatus	ne
Commiphora zanzibarica	ne	Rare	
Gladiolus brachyphyllus	ne	Euclea linearis	ne
Orbeanthus paradoxa	ne	Eucomis vandermerwei	ne
Indeterminate		Eulophia cooperi	ne
Adenium obesum	ne	Frithia pulchra	ne
Ansellia gigantea et vars	ne	Gladiolus pole-evansii	ne
Pachypodium saundersii	ne	Gladiolus vernus	ne
Uncertain		Haworthia koelmaniorum	e
Barleria oxyphylla	ne	Myrsine pillansii	ne
Combretum collinum ssp taborense	ne	Neobolusia tysonii	ne
Hymenodictyon parvifolium	ne	Nymphaea lotus	ne
		Triaspis glaucophylla	ne
		Uncertain	
		Brasenia schreberi	ne

Disa extinctoria	ne	Watsonia transvaalensis	ne
Disa rhodantha	ne	Watsonia wilmsii	ne
Inula paniculata	ne	Zantedeschia pentlandii	e
		Indeterminate	
<u>Area name: Lydenburg</u>		Ansellia gigantea et vars	ne
<u>Boundaries: 25-26S, 30-31E</u>		Pachypodium saundersii	ne
<u>Number of taxa listed: 47</u>		Schizochilus gerrardii	ne
Endangered		Uncertain	
Encephalartos laevifolius	ne	Aloe reitzii	e
		Begonia sonderana	e
Vulnerable		Combretum collinum ssp taborense	ne
Encephalartos humilis	e	Disa extinctoria	ne
		Disperis concinna	ne
Rare		Disperis gracilis	ne
		Disperis natalensis	ne
Aloe graciliflora	e	Monadenia leydenbergensis	e
Aloe minima var blyderivierensis	ne	Sclerochiton triacanthus	ne
Aloe simii	ne	Streptocarpus latens	e
Aloe thorncroftii	ne		
Angraecum chamaeanthus	e		
Clivia caulescens	ne	<u>Area name: Komatipoort</u>	
Cyrtanthus bicolor	ne	<u>Boundaries: 25-26S, 31-32E</u>	
Dombeya autumnalis	ne	<u>Number of taxa listed: 44</u>	
Eucomis montana	ne	Endangered	
Eucomis vandermerwei	ne		
Faurea macnaughtonii	ne	Encephalartos laevifolius	ne
Gladiolus calcaratus	e	Nervilia kotschyi	ne
Gladiolus exiguus	ne		
Gladiolus hollandii	ne	Vulnerable	
Gladiolus rufomarginatus	ne		
Gladiolus varius var micranthus	ne	Aloe albida	e
Gladiolus varius var varius	ne	Encephalartos heenanii	e
Heteropyxis canescens	ne		
Kniphofia rigidifolia	ne	Rare	
Kniphofia triangularis ssp obtusiloba			
Kotschya thymodora var thymodora	ne	Aloe simii	ne
Neobolusia tysonii	ne	Aloe thorncroftii	ne
Ocotea kenyensis	ne	Aloe vandermerwei	ne
Protea comptonii	ne	Clivia caulescens	ne
Protea roupelliae var hamiltonii	e	Cordyla africana	ne
Protea rubropilosa	ne	Cyrtanthus bicolor	ne
Rhus rogersii	ne	Cyrtanthus eucallus	e
Watsonia latifolia	ne	Cyrtanthus thorncroftii	ne
Watsonia occulta	ne	Encephalartos paucidentatus	ne
		Gladiolus appendiculatus var longifolius	ne
		Gladiolus brachyphyllus	ne
		Gladiolus hollandii	ne

Gladiolus varius var micranthus	ne	Rare	
Gladiolus varius var varius	ne		
Heteropyxis canescens	ne	Eulophia cooperi	ne
Kaempferia aethiopica	ne	Gladiolus robertsoniae	ne
Kalanchoe alticola	ne	Habenaria laevigata ssp	
Ocotea kenyensis	ne	bicolor	e
Orbeanthus paradoxa	ne	Mossia intervallaris	e
Pavetta barbertonensis	ne	Nerine gracilis	ne
Pavetta microlancea	e		
Protea comptonii	ne	Indeterminate	
Rhus rogersii	ne		
Streptocarpus pogonites	e	Eulophia coddii	e

Indeterminate

Uncertain

Adenium obesum	ne	Holothrix micrantha	e
Adenium swazicum	ne		
Ansellia gigantea et vars	ne		
Clivia gardenii	ne		
Clivia miniata	ne	<u>Area name: Bethal</u>	
Pachypodium saundersii	ne	<u>Boundaries: 26-27S, 29-30E</u>	
		<u>Number of taxa listed: 5</u>	

Uncertain

Rare

Allophyllus chaunostachys	ne		
Barleria oxyphylla	ne	Cyrtanthus bicolor	ne
Combretum padoides	ne	Eucomis montana	ne
Croton madadensis	ne	Gladiolus robertsoniae	ne
Disa extingtoria	ne	Nerine gracilis	ne
Duvernoia aconitiflora	ne		
Macrorungia longistrobis	ne	Uncertain	
Protea curvata	e		
Ruspolia hypocrateriformis var		Disperis ermelensis	e
australis	ne		
Sclerochiton triacanthus	ne		

Area name: Carolina

Boundaries: 26-27S, 30-31E

Number of taxa listed: 8

Area name: Potchefstroom

Boundaries: 26-27S, 27-28E

Number of taxa listed: 2

Rare

Vulnerable

Aloe minima var

		blyderivierensis	ne
Gladiolus pretoriensis	ne	Crassula tuberella	ne
		Eucomis montana	ne
Rare		Eucomis vandermerwei	ne
		Eulophia cooperi	ne
Nuxia glomerulata	ne	Nerine gracilis	ne
		Watsonia latifolia	ne

Uncertain

Area name: Johannesburg

Boundaries: 26-27S, 28-29E

Number of taxa listed: 7

Dietes flavida

ne

B O P H U T H A T S W A N A

Area name: Zeerust  
Boundaries: 25-26S, 26-27E  
Number of taxa listed: 4

Uncertain

Burmannia madagascariensis ne

Endangered

Euphorbia knobelii e  
 Euphorbia perangusta e

Area name: Vryburg  
Boundaries: 26-27S, 24-25E  
Number of taxa listed: 1

Vulnerable

Rare

Gladiolus pretoriensis ne

Barleria media ne

Rare

Nuxia glomerulata ne

Area name: Delareyville  
Boundaries: 26-27S, 25-26E  
Number of taxa listed: 1

Rare

Area name: Rustenburg  
Boundaries: 25-26S, 27-28E  
Number of taxa listed: 8

Boscia foetida ssp minima ne

Vulnerable

Gladiolus pretoriensis ne  
 Orbea maculata ne

Area name: Kuruman  
Boundaries: 27-28S, 23-24E  
Number of taxa listed: 1

Rare

Rare

Aloe peglerae ne  
 Erythrophysa transvaalensis ne  
 Frithia pulchra ne  
 Myrsine pillansii ne  
 Nuxia glomerulata ne

Barleria media ne

S W A Z I L A N D

Area name: Mbabane  
Boundaries: 26-27S, 31-32E  
Number of Taxa listed: 23

Vulnerable

Kniphofia umbrina e

Rare

Caralluma ubomboensis ne

Cyrtanthus bicolor ne  
 Encephalartos lebomboensis ne  
 Encephalartos villosus ne  
 Eucomis montana ne  
 Gladiolus appendiculatus var longifolius ne  
 Gladiolus hollandii ne  
 Heteropyxis canescens ne  
 Kalanchoe alticola ne  
 Pavetta barbertonensis ne

Indeterminate

Adenium swazicum ne  
 Ansellia gigantea et vars ne  
 Clivia gardenii ne  
 Habenaria rehmannii e  
 Kniphofia tysonii ssp ne  
   lebomboensis ne  
 Pachypodium saundersii ne

Uncertain

Aloe keithii e  
 Croton madadensis ne  
 Dietes flavida ne  
 Duvernoia aconitiflora ne  
 Encephalartos umbeluziensis e  
 Euphorbia keithii e

ORANGE FREE STATE

Area name: Frankfort  
Boundaries: 27-28S, 28-29E  
Number of taxa listed: 1

Rare

Gladiolus robertsoniae ne

Vulnerable

Aloe polyphylla ne  
 Arundinaria tessellata ne  
 Encephalartos ghellinckii ne

Rare

Area name: Volksrust  
Boundaries: 27-28S, 29-30E  
Number of taxa listed: 3

Rare

Eucomis montana ne

Indeterminate

Corycium tricuspidatum ne

Uncertain

Nerine platypetala ne

Area name: Senekal  
Boundaries: 28-29S, 27-28E  
Number of taxa listed: 1

Uncertain

Cyrtanthus attenuatus ne

Crassula tuberella ne  
 Disa frigida e  
 Eucomis humilis ne  
 Eulophia cooperi ne  
 Galtonia viridiflora ne  
 Gladiolus cruentus ne  
 Kniphofia thodei ne

Indeterminate

Corycium tricuspidatum ne

Uncertain

Cyrtanthus attenuatus ne  
 Disa basutorum ne  
 Eucomis sp nov (schijfii) ne  
 Gladiolus microcarpus ne  
 Helichrysum ernestianum ne  
 Nerine bowdeni ne  
 Satyrium microrrhynchum ne

Area name: Jagersfontein  
Boundaries: 29-30S, 25-26E  
Number of taxa listed: 1

Vulnerable

Neohenricia sibbettii e

Area name: Bethlehem  
Boundaries: 28-29S, 28-29E  
Number of taxa listed: 18

Area name: Bloemfontein  
Boundaries: 29-30S, 26-27E  
Number of taxa listed: 1

Uncertain

Disa thodei

e

N A T A L

Area name: Bela Vista  
Boundaries: 26-27S, 32-33E  
Number of taxa listed: 32

Uncertain

Ficus tremula

ne

Sutera macrantha

ne

Vulnerable

Diospyros rotundifolia ne  
Encephalartos ferox ne  
Lumnitzera racemosa ne  
Orbea longidens ne  
Raphia australis e

Area name: Vryheid

Boundaries: 27-28S, 30-31E

Number of taxa listed: 18

Vulnerable

Rare

Encephalartos ngoyanus

ne

Ancylanthus monteiroi ne  
Bridelia cathartica ssp  
cathartica ne

Rare

Cassipourea mossambicensis ne  
Ceriops tagal ne  
Coffea racemosa ne  
Commiphora zanzibarica ne  
Cordyla africana ne  
Craibia zimmermannii ne  
Crinum acaule ne  
Dialium schlechteri ne  
Dracaena usambarensis ne  
Haplocoelum gallense ne  
Morus mesozygia ne  
Nymphaea lotus ne  
Orbeanthus paradoxa ne  
Oxyanthus latifolius ne  
Pavetta gerstneri ne  
Pseudobersama mossambicensis ne  
Scolopia stolzii ne  
Sophora inhambanensis ne  
Strophanthus luteolus ne  
Suregada zanzibariensis ne  
Tapura fischeri ne  
Zanthoxylum leprieurii ne

Crassula tuberella

ne

Encephalartos lebomboensis

ne

Encephalartos natalensis

ne

Encephalartos villosus

ne

Eucomis montana

ne

Eulophia cooperi

ne

Gladiolus appendiculatus var

appendiculatus

e

Neobolusia tysonii

ne

Pavetta barbertonensis

ne

Scolopia oreophila

e

Watsonia latifolia

ne

Watsonia occulta

ne

Uncertain

Indeterminate

Area name: Louwsburg

Boundaries: 27-28S, 31-32E

Number of taxa listed: 27

Pachypodium saundersii ne

Nerine platypetala

ne

Vulnerable		<i>Diospyros rotundifolia</i>	ne
		<i>Encephalartos ferox</i>	ne
<i>Encephalartos ngoyanus</i>	ne	<i>Encephalartos ngoyanus</i>	ne
<i>Warburgia salutaris</i>	ne	<i>Guettarda speciosa</i>	ne
		<i>Orbea longidens</i>	ne
Rare		<i>Warburgia salutaris</i>	ne
<i>Ancylanthus monteiroi</i>	ne	Rare	
<i>Cassipourea swaziensis</i>	e		
<i>Cordyla africana</i>	ne	<i>Aloe greenii</i>	ne
<i>Craibia zimmermannii</i>	ne	<i>Aloe suffulta</i>	ne
<i>Cyrtanthus bicolor</i>	ne	<i>Ancylanthus monteiroi</i>	ne
<i>Dietes butcheriana</i>	ne	<i>Blighia unijugata</i>	ne
<i>Encephalartos lebomboensis</i>	ne	<i>Boscia foetida</i> ssp	
<i>Encephalartos natalensis</i>	ne	<i>longipedicellata</i>	ne
<i>Haplocoelum gallense</i>	ne	<i>Bridelia cathartica</i> ssp	
<i>Kniphofia triangularis</i> ssp		<i>cathartica</i>	ne
<i>obtusiloba</i>	ne	<i>Caralluma ubomboensis</i>	ne
<i>Ocotea kenyensis</i>	ne	<i>Cassipourea mossambicensis</i>	ne
<i>Orbeanthus paradoxa</i>	ne	<i>Coffea racemosa</i>	ne
<i>Orbeopsis gerstneri</i> ssp		<i>Commiphora zanzibarica</i>	ne
<i>gerstneri</i>	e	<i>Cordyla africana</i>	ne
<i>Pavetta barbertonensis</i>	ne	<i>Craibia zimmermannii</i>	ne
<i>Sophora inhambanensis</i>	ne	<i>Crinum acaule</i>	ne
<i>Watsonia latifolia</i>	ne	<i>Dialium schlechteri</i>	ne
		<i>Dracaena usambarensis</i>	ne
Indeterminate		<i>Encephalartos lebomboensis</i>	ne
		<i>Haplocoelum gallense</i>	ne
<i>Adenium obesum</i>	ne	<i>Lasiodiscus mildbraedii</i>	ne
<i>Clivia gardenii</i>	ne	<i>Morus mesozygia</i>	ne
<i>Kniphofia tysonii</i> ssp		<i>Nymphaea lotus</i>	ne
<i>lebomboensis</i>	ne	<i>Oxyanthus latifolius</i>	ne
<i>Nervilia natalensis</i>	ne	<i>Oxyanthus pyriformis</i>	ne
<i>Schizochilus gerrardii</i>	ne	<i>Pavetta gerstneri</i>	ne
		<i>Scolopia stolzii</i>	ne
Uncertain		<i>Sophora inhambanensis</i>	ne
		<i>Strophanthus luteolus</i>	ne
<i>Atalaya natalensis</i>	e	<i>Suregada zanzibariensis</i>	ne
<i>Dietes flavida</i>	ne	<i>Tapura fischeri</i>	ne
<i>Gladiolus microcarpus</i>	ne	<i>Zanthoxylum leprieurii</i>	ne
<i>Uvaria lucida</i> ssp			
<i>virens</i>	ne	Indeterminate	
		<i>Adenium obesum</i>	ne
		<i>Ansellia gigantea</i> et vars	ne
Area name: Ubombo		<i>Eulophia leachii</i>	ne
Boundaries: 27-28S, 32-33E		<i>Pachypodium saundersii</i>	ne
Number of taxa listed: 44			
		Uncertain	
Vulnerable		<i>Dietes flavida</i>	ne
		<i>Ficus tremula</i>	ne
<i>Cavacoa aurea</i>	ne	<i>Uvaria lucida</i> ssp	
<i>Celtis mildbraedii</i>	ne	<i>virens</i>	ne

Area name: Harrismith  
Boundaries: 28-29S, 29-30E  
Number of taxa listed: 25

Vulnerable  
 Arundinaria tessellata ne  
 Rare  
 Brunsvigia undulata ne  
 Cyrtanthus erubescens e  
 Eucomis humilis ne  
 Eulophia cooperi ne  
 Eulophia zeyheriana ne  
 Galtonia viridiflora ne  
 Kniphofia ensifolia ssp  
 autumnalis e  
 Kniphofia evansii ne  
 Myrsine pillansii ne  
 Vitellariopsis dispar ne  
 Zantedeschia albomaculata  
 ssp valida ne

Indeterminate

Kniphofia rufa ne

Uncertain

Aloe prinslooii e  
 Disa basatorum ne  
 Disa rhodantha ne  
 Disa sankeyi e  
 Disperis allisonii e  
 Disperis bicolor e  
 Disperis flava e  
 Disperis kermesina e  
 Disperis natalensis ne  
 Eucomis sp nov (schijfii) ne  
 Gladiolus microcarpus ne  
 Satyrium rhodanthum ne

Area name: Dundee  
Boundaries: 28-29S, 30-31E  
Number of taxa listed: 14

Vulnerable

Aloe gerstneri e  
 Kniphofia flammula e

Rare

Barleria argillicola e  
 Boscia foetida ssp  
 longipedicellata ne  
 Calpurnia woodii ne  
 Cyrtanthus nutans e  
 Encephalartos natalensis ne  
 Eucomis humilis ne  
 Faurea macnaughtonii ne  
 Vitellariopsis dispar ne  
 Indeterminate  
 Ansellia gigantea et vars ne  
 Uncertain  
 Kalanchoe longiflora e  
 Nerine pancratioides ne  
 Orbea woodii ne

Area name: Nkandla  
Boundaries: 28-29S, 31-32E  
Number of taxa listed: 30

Extinct

Encephalartos woodii e  
 Vulnerable  
 Cavacoa aurea ne  
 Encephalartos ghellinckii ne  
 Encephalartos ngoyanus ne  
 Gerbera aurantiaca ne  
 Kniphofia latifolia ne  
 Kniphofia litoralis ne  
 Streptocarpus wendlandii e

Rare

Albizia suluensis ne  
 Alchornea hirtella var  
 glabrata e  
 Aloe greenii ne  
 Bridelia cathartica ssp  
 cathartica ne  
 Cryptocarya wyliei ne  
 Dietes butcheriana ne  
 Encephalartos villosus ne



Entada pursaetha	ne	Kniphofia tysonii ssp	
Faurea macnaughtonii	ne	lebomboensis	ne
Lasiodiscus mildbraedii	ne		
Nymphaea lotus	ne	Uncertain	
Scolopia stolzii	ne		
Tapura fischeri	ne	Burmannia madagascariensis	ne
		Uvaria lucida ssp	
Indeterminate		virens	ne
Calanthe natalensis	ne		
Cassine crocea	ne		
Clivia miniata	ne	<u>Area name: Underberg</u>	
Cynorkis compacta	ne	<u>Boundaries: 29-30S, 29-30E</u>	
Kniphofia tysonii ssp		<u>Number of taxa listed: 27</u>	
lebomboensis	ne		
Stenoglottis longifolia	e	Vulnerable	
Uncertain		Aponogeton ranunculiflorus	e
		Arundinaria tessellata	ne
Beilschmiedia natalensis	ne	Encephalartos ghellinckii	ne
Disa zuluensis	e		
Kaempferia natalensis	e	Rare	
		Anochilus flanagani	ne
		Brunsvigia undulata	ne
<u>Area name: Mtubatuba</u>		Calpurnia woodii	ne
<u>Boundaries: 28-29S, 32-33E</u>		Cyrtanthus falcatus	e
<u>Number of taxa listed: 17</u>		Eucomis humilis	ne
Endangered		Eulophia zeyheriana	ne
		Galtonia viridiflora	ne
		Gerbera parva	e
Kniphofia pauciflora	ne	Gladiolus cruentus	ne
		Gladiolus oppositiflorus ssp	
Vulnerable		oppositiflorus	ne
		Gladiolus symonsii	e
Cavacoa aurea	ne	Kniphofia evansii	ne
Kniphofia litoralis	ne	Kniphofia thodei	ne
		Vitellariopsis dispar	ne
Rare		Zantedeschia albomaculata ssp	
		valida	ne
Albizia suluensis	ne		
Aloe suffulta	ne	Indeterminate	
Bosqueia phoberos	ne		
Bridelia cathartica ssp		Kniphofia rufa	ne
cathartica	ne		
Craibia zimmermannii	ne	Uncertain	
Crinum acaule	ne		
Dialium schlechteri	ne	Disa basutorum	ne
Sophora inhambanensis	ne	Disperis concinna	ne
Tapura fischeri	ne	Gladiolus microcarpus	ne
Zanthoxylum lepreurii	ne	Kniphofia fibrosa	ne
		Nerine pancratioides	ne
Indeterminate		Orbea woodii	ne
		Rhus krebsiana	ne
Clivia miniata	ne	Satyrium microrrhynchum	ne

Area name: Pietermaritzburg  
Boundaries: 29-30S, 30-31E  
Number of taxa listed: 29

Endangered

Kniphofia pauciflora ne

Vulnerable

Gerbera aurantiaca ne

Kniphofia latifolia ne

Rare

Aloe greenii ne

Aloe pruinosa e

Brunsvigia undulata ne

Dietes butcheriana ne

Encephalartos natalensis ne

Encephalartos villosus ne

Eulophia zeyheriana ne

Faurea macnaughtonii ne

Gerrardanthus tomentosus ne

Gladiolus oppositiflorus ssp

salmonus ne

Indeterminate

Cassine crocea ne

Clivia gardenii ne

Clivia miniata ne

Cynorkis compacta ne

Disperis woodii ne

Kniphofia rufa ne

Uncertain

Disa extinctoria ne

Disa fanniniae e

Disa kraussii e

Disa rhodantha ne

Disa woodii ne

Disperis anomala e

Disperis buchananii e

Disperis natalensis ne

Huttonaea woodii e

Nerine pancratioides ne

Area name: Stanger  
Boundaries: 29-30S, 31-32E  
Number of taxa listed: 15

Extinct

Christella altissima e

Vernonia africana e

Vulnerable

Cavacoa aurea ne

Celtis mildbraedii ne

Kniphofia litoralis ne

Rare

Aloe greenii ne

Encephalartos natalensis ne

Gerrardanthus tomentosus ne

Gladiolus gueinzii ne

Mystacidium millarii e

Oxyanthus pyriformis ne

Indeterminate

Bonatea saundersiae e

Clivia gardenii ne

Disperis stenoglossa e

Disperis woodii ne

Area name: Port Shepstone  
Boundaries: 30-31S, 30-31E  
Number of taxa listed: 25

Vulnerable

Celtis mildbraedii ne

Encephalartos ghellinckii ne

Kniphofia litoralis ne

Kniphofia rooperi ne

Rhynchoscalyx lawsonioides e

Rare

Aloe greenii ne

Clivia nobilis ne

Cryptocarya wyliei ne

Encephalartos natalensis ne

Entada pursaetha ne

Faurea macnaughtonii ne

Gladiolus gueinzii ne

Jubaeopsis caffra ne

Kniphofia coddiana ne

Lampranthus fugitans ne

Pseudosalacia streyii ne

Indeterminate		Crassula obovata var dregeana	ne
Cynorkis compacta	ne	Disa woodii	ne
Disperis woodii	ne	Eugenia erythrophylla	ne
Schizochilus rudatisii	e	Pseudosclopia polyantha	ne
		Satyrium rhodanthum	ne
Uncertain			
Beilschmiedia natalensis	ne		

L E S O T H O

Area name: Maseru  
Boundaries: 29-30S, 27-28E  
Number of taxa listed: 3

Area name: Marakabei  
Boundaries: 29-30S, 28-29E  
Number of taxa listed: 4

Vulnerable		Vulnerable	
Aloe polyphylla	ne	Kniphofia hirsuta	e
Rare		Rare	
Calpurnia robinoides	ne	Galtonia viridiflora	ne
		Kniphofia thodei	ne
Uncertain		Uncertain	
Eucomis sp nov (Schijfii)	ne	Disa basutorum	ne

T R A N S K E I

Area name: Lady Grey  
Boundaries: 30-31S, 27-28E  
Number of taxa listed: 3

Area name: Matatiele  
Boundaries: 30-31S, 28-29E  
Number of taxa listed: 3

Vulnerable		Vulnerable	
Arundinaria tessellata	ne	Arundinaria tessellata	ne
Rare		Rare	
Calpurnia robinoides	ne	Gladiolus oppositiflorus ssp salmoneus	ne
Uncertain		Uncertain	
Eucomis sp nov (schijfii)	ne	Disa montana	e

Area name: Kokstad  
Boundaries: 30-31S, 29-30E  
Number of taxa listed: 15

Vulnerable

Encephalartos ghellinckii ne  
 Kniphofia drepanophylla ne  
 Kniphofia rooperi ne

Rare

Disa tysonii ne  
 Encephalartos natalensis ne  
 Eucomis humilis ne  
 Eulophia zeyheriana ne  
 Gladiolus oppositiflorus ssp  
 salmoneus ne  
 Nerine gibsonii ne

Indeterminate

Eulophia meleagris ne  
 Schizochilus gerrardii ne  
 Schizochilus pulchellus e

Uncertain

Cyrtanthus epiphyticus ne  
 Disa rhodantha ne  
 Phyllica tysoni e

Area name: Lady Frere  
Boundaries: 31-32S, 27-28E  
Number of taxa listed: 10

Rare

Galtonia viridiflora ne  
 Nerine gibsonii ne

Indeterminate

Cassine crocea ne

Uncertain

Cyrtanthus epiphyticus ne  
 Cyrtanthus rectiflorus ne  
 Disa scullyi e  
 Nerine bowdeni ne  
 Phyllica tysoni var brevifolia e  
 Satyrium microrrhynchum ne  
 Syringodea flanaganii ne

Area name: Umtata  
Boundaries: 31-32S, 28-29E  
Number of taxa listed: 9

Vulnerable

Crassula planifolia ne  
 Elephantorrhiza sp nov e

Rare

Clivia nobilis ne  
 Disa galpinii e  
 Encephalartos altensteinii ne  
 Encephalartos friderici-  
 guilielmi ne  
 Gladiolus oppositiflorus ssp  
 salmoneus ne  
 Nerine gibsonii ne

Uncertain

Nerine masonorum e

Area name: Port St Johns  
Boundaries: 31-32S, 29-30E  
Number of taxa listed: 23

Endangered

Corymborkis corymbosa e

Vulnerable

Eulophia platypetala ne  
 Kniphofia drepanophylla ne  
 Kniphofia rooperi ne

Rare

Bauhinia bowkeri ne  
 Borassus caffra e  
 Cassipourea flanaganii ne  
 Clivia nobilis ne  
 Cryptocarya wyliei ne  
 Encephalartos altensteinii ne  
 Encephalartos villosus ne  
 Faurea macnaughtonii ne  
 Gladiolus oppositiflorus ssp  
 oppositiflorus ne  
 Jubaeopsis caffra ne  
 Kniphofia coddiana ne

Indeterminate

Clivia gardenii  
Clivia miniata

ne  
ne

Area name: Butterworth  
Boundaries: 32-33S, 28-29E  
Number of taxa listed: 22

Vulnerable

Uncertain

Disa caffra  
Eugenia erythrophylla  
Kniphofia fibrosa  
Phyllanthus cedrelifolius  
Pseudoscolopia polyantha  
Streptocarpus modestus

e  
ne  
ne  
e  
ne  
e

Aloe reynoldsii e  
Crassula planifolia ne  
Dierama pulcherrimum ne  
Encephalartos caffer ne  
Encephalartos longifolius ne  
Encephalartos princeps ne  
Kniphofia rooperi ne

Rare

Area name: Port Edward  
Boundaries: 31-32S, 30-31E  
Number of taxa listed: 11

Rare

Cryptocarya wyliei  
Jubaeopsis caffra  
Kniphofia coddiana  
Lampranthus fugitans  
Pseudosalacia streyii

ne  
ne  
ne  
ne  
ne

Acrolophia micrantha ne  
Bauhinia bowkeri ne  
Cassipourea flanaganii ne  
Cotyledon flanaganii ne  
Cyrtanthus helictus ne  
Diets bicolor ne  
Encephalartos villosus ne  
Gladiolus gueinzii ne  
Gladiolus oppositiflorus ssp  
oppositiflorus ne  
Rhus crispa ne  
Umtiza listerana ne

Uncertain

Beilschmiedia natalensis  
Crassula obovata var  
dregeana  
Crassula streyi  
Eugenia erythrophylla  
Pseudoscolopia polyantha  
Streptocarpus porphyrostachys

ne  
ne  
e  
ne  
ne  
e

Indeterminate  
Clivia miniata ne  
Disperis woodii ne  
Lachenalia convallarioides e  
Uncertain  
Bobartia gracilis ne

C A P E P R O V I N C E

Area name: Mata-Mata  
Boundaries: 25-26S, 20-21E  
Number of taxa listed: 1

Indeterminate

Adenium oleifolium

ne

Endangered  
Stapeliopsis neronis ne

Vulnerable

Aloe karasbergensis ne  
Echidnopsis columnaris e

Rare

Area name: Oranjemund  
Boundaries: 28-29S, 16-17E  
Number of taxa listed: 21

Crassula fusca ne  
Heliophila eximia e

Stapelia rubiginosa	ne	<u>Area name: Kakamas</u>	
Stapelia umbonata	ne	<u>Boundaries: 28-29S, 20-21E</u>	
Trichocaulon cinereum	ne	<u>Number of taxa listed: 4</u>	
Tylecodon pearsonii	e		
Indeterminate		Indeterminate	
Juttadinteria albata	e	Trichocaulon keetmanshoopense	e
Juttadinteria tetrasepala	e	Uncertain	
Nelia pillansii	ne		
Stapelia neliana	ne	Felicia deserti	ne
Trichocaulon alstoni	ne	Oxalis extensa	ne
Trichocaulon kubusense	e	Trichocaulon simile	ne
Uncertain			
Crassula sericea var velutina	e	<u>Area name: Upington</u>	
Klingia namaquana	ne	<u>Boundaries: 28-29S, 21-22E</u>	
Ozoroa concolor	ne	<u>Number of taxa listed: 3</u>	
Stapelia gariiepensis	e	Vulnerable	
Trichocaulon halenbergense	e		
Tylecodon schaeferianus	ne	Cyrtanthus staadensis	ne
		Indeterminate	
<u>Area name: Vioolsdrif</u>		Adenium oleifolium	ne
<u>Boundaries: 28-29S, 17-18E</u>		Stapelia macowanii	ne
<u>Number of taxa listed: 14</u>			
Vulnerable			
Pachypodium namaquanum	ne	<u>Area name: Griekwastad</u>	
Rare		<u>Boundaries: 28-29S, 23-24E</u>	
Cotyledon rubrovenosa	ne	<u>Number of taxa listed: 1</u>	
Stapelia rubiginosa	ne	Indeterminate	
Stapelia umbonata	ne	Adenium oleifolium	ne
Trichocaulon cinereum	ne		
Indeterminate		<u>Area name: Port Nolloth</u>	
Caralluma pruinosa	ne	<u>Boundaries: 29-30S, 16-17E</u>	
Nelia pillansii	ne	<u>Number of taxa listed: 4</u>	
Schwantesia acutipetala	e	Indeterminate	
Stapelia neliana	ne	Caralluma pruinosa	ne
Uncertain		Uncertain	
Babiana lobata	ne	Adenoglossa decurrens	ne
Caralluma aperta	ne	Caralluma aperta	ne
Klingia namaquana	ne	Hyobanche barklyi	e
Ophthalmophyllum noctiflorum	e		
Osteospermum armatum	ne		

Area name: Springbok  
Boundaries: 29-30S, 17-18E  
Number of taxa listed: 44

Endangered

Stapeliopsis neronis ne

Rare

Cyrtanthus herrei e  
 Babiana striata var planifolia e  
 Crassula fusca ne  
 Gladiolus viridiflorus ne  
 Heliophila laciniata ne  
 Lapeirousia verecunda e  
 Trichocaulon cinereum ne  
 Trichocaulon truncatum e

Indeterminate

Caralluma acutiloba e  
 Caralluma pruinosa ne  
 Euryops pleiodontus e  
 Herreanthus meyeri e  
 Nelia schlechteri e  
 Oophytum oviforme ne  
 Schizodium longipetalum ne  
 Schwantesia speciosa ne  
 Stapelia barklyi e  
 Trichocaulon alstoni ne  
 Trichocaulon pictum ne  
 Tridentea umdausensis e

Uncertain

Adenoglossa decurrens ne  
 Athanasia tomentella ne  
 Babiana horizontalis e  
 Caralluma aperta ne  
 Eriospermum cervicorne ne  
 Eriospermum villosum ne  
 Helichrysum concinnum ne  
 Helichrysum filagineum ne  
 Klingia namaquana ne  
 Ophthalmophyllum littlewoodii e  
 Ophthalmophyllum longitubum e  
 Osteospermum armatum ne  
 Othonna abrotanifolia ne  
 Othonna lasiocarpa ne  
 Oxalis crocea e  
 Phyllica pearsonii e  
 Senecio albopunctatus e  
 Senecio trachylaenus e

Trichocaulon simile ne  
 Tritonia Kamisbergensis e  
 Wahlenbergia floribunda e  
 Wahlenbergia oligotricha e  
 Wahlenbergia roelliflora e

Area name: Gamoep  
Boundaries: 29-30S, 18-19E  
Number of taxa listed: 7

Vulnerable

Pachypodium namaquanum ne

Rare

Gladiolus salteri e

Indeterminate

Ophthalmophyllum haramoepense e  
 Ophthalmophyllum verrucosum ne  
 Schwantesia australis ne

Uncertain

Ophthalmophyllum spathulatum e  
 Osteospermum armatum ne

Area name: Pofadder  
Boundaries: 29-30S, 19-20E  
Number of taxa listed: 11

Endangered

Stapelia dwequensis ne

Vulnerable

Lithops divergens ne  
 Pachypodium namaquanum ne

Rare

Dinteranthus vanzylii e

Indeterminate

Schwantesia australis ne  
 Schwantesia pillansii e

Schwantesia triebneri	e	Uncertain	
Trichocaulon alstoni	ne		
Trichocaulon pictum	ne	Trichocaulon simile	ne
		Tridentea virescens	ne
Uncertain			
Ophthalmophyllum vanheerdei	e		
Osteospermum armatum	ne	<u>Area name: Hopetown</u>	
		<u>Boundaries: 29-30S, 24-25E</u>	
		<u>Number of taxa listed: 3</u>	
		Vulnerable	
<u>Area name: Boomrivier</u>			
<u>Boundaries: 29-30S, 20-21E</u>			
<u>Number of taxa listed: 3</u>		Lithops salicola	e
Indeterminate		Indeterminate	
Ophthalmophyllum villetii	e	Duvalia maculata	ne
Uncertain		Uncertain	
Osteospermum armatum	ne	Tridentea virescens	ne
Oxalis extensa	ne		
		<u>Area name: Hondeklipbaai</u>	
		<u>Boundaries: 30-31S, 17-18E</u>	
		<u>Number of taxa listed: 23</u>	
<u>Area name: Kenhardt</u>			
<u>Boundaries: 29-30S, 21-22E</u>			
<u>Number of taxa listed: 2</u>		Rare	
Vulnerable		Neopatersonia namaquensis	e
Aloe karasbergensis	ne	Oxalis virginea	e
		Restio vilis	ne
Uncertain		Romulea kamisensis	ne
Trichocaulon rusticum	e	Indeterminate	
		Caralluma pruinosa	ne
		Crassula susannae	e
<u>Area name: Prieska</u>		Uncertain	
<u>Boundaries: 29-30S, 22-23E</u>			
<u>Number of taxa listed: 6</u>			
Extinct		Amphiglossa corrudaefolia	e
		Arctotis crispata	e
Caralluma arenicola	ne	Babiana brachystachys	ne
		Babiana lobata	ne
Vulnerable		Bulbine brunsvigiaefolia	ne
		Bulbine urgineoides	ne
Aloe karasbergensis	ne	Caralluma aperta	ne
		Helichrysum filagineum	ne
Indeterminate		Matricaria schlechteri	ne
		Oxalis cathara	ne
Adenium oleifolium	ne	Oxalis reclinata var	
Duvalia maculata	ne	gracillima	ne
		Polygala lasiosepala	ne



Pteronia pillansii	ne	Gladiolus kamiesbergensis	e
Romulea namaquensis ssp bolusii	e	Helichrysum leptorhizum	e
Romulea namaquensis ssp namaquensis	e	Helictotrichon barbatum	e
Sphalmanthus arenicolus	e	Helictotrichon namaquense	ne
Wahlenbergia lasiocarpa	e	Hesperantha oligantha	ne
		Massonia laeta	e
		Nemesia glaucescens	e
		Oxalis cathara	ne
		Oxalis craeseyi	e
		Oxalis cuneata	e
		Oxalis reclinata var gracillima	ne
<u>Area name: Kamiesberg</u>		Phyllica retrorsa	e
<u>Boundaries: 30-31S, 18-19E</u>		Polycarena minimum	ne
<u>Number of taxa listed: 45</u>		Polygala lasiosepala	ne
Endangered		Prismatocarpus fastigiatus	ne
Monadenia macrostachya	e	Pterothrix flaccida	ne
Vulnerable		Relhania conferta	e
		Roella bryoides	ne
Lithops divergens	ne	Ursinia pygmaea	ne
Rare		Wahlenbergia namaquana	e
		Wahlenbergia rara	e
Crassula multiceps	ne		
Euryops subcarnosus ssp minor	e	<u>Area name: Loeriesfontein</u>	
Felicia diffusa ssp khamiesbergensis	e	<u>Boundaries: 30-31S, 19-20E</u>	
Oxalis lichenoides	ne	<u>Number of taxa listed: 3</u>	
Oxalis senecta	ne	Vulnerable	
Restio vilis	ne	Haemanthus amarylloides	ne
Romulea kamisensis	ne	Rare	
Romulea oliveri	e	Gladiolus lapeirousioides	e
Romulea tortilis var dissecta	ne	Stapelia cincta	ne
Wahlenbergia buseriana	e		
Indeterminate			
Berrisfordia khamiesbergensis	e	<u>Area name: Brandvlei</u>	
Monadenia physodes	ne	<u>Boundaries: 30-31S, 20-21E</u>	
Ophthalmophyllum australe	e	<u>Number of taxa listed: 1</u>	
Uncertain		Uncertain	
Androcymbium scabromarginatum	e	Polycarena gracilipes	e
Babiana lobata	ne		
Babiana torta	e		
Bulbine brunsvigiaefolia	ne	<u>Area name: Vanwyksvlei</u>	
Chasmanthe fucata	e	<u>Boundaries: 30-31S, 21-22E</u>	
Dorotheanthus rourkei	ne	<u>Number of taxa listed: 1</u>	
Erica dilatata	e	Uncertain	
Eriospermum cervicorne	ne		
Felicia deserti	ne	Othonna lepidocaulis	ne

Area name: Carnarvon  
Boundaries: 30-31S, 22-23E  
Number of taxa listed: 3

Endangered

Trichocaulon pillansii

Vulnerable

Hoodia albispina

Indeterminate

Hoodia dregei

Area name: Britstown  
Boundaries: 30-31S, 23-24E  
Number of taxa listed: 1

Uncertain

Tridentea virescens

Area name: De Aar  
Boundaries: 30-31S, 24-25E  
Number of taxa listed: 1

Indeterminate

Huernia humilis

Area name: Aliwal North  
Boundaries: 30-31S, 26-27E  
Number of taxa listed: 2

Uncertain

Brachymeris erubescens

Venidium bolusii

Area name: Vanrhynsdorp  
Boundaries: 31-32S, 18-19E  
Number of taxa listed: 100

Endangered

Leucadendron roodii

Pleiospilos prismaticus

Vulnerable

Caralluma cincta ne

Euphorbia fasciculata e

Gladiolus caryophyllaceus ne

Gladiolus comptonii e

Laurentia giftbergensis e

Leptocarpus impolitus ne

Lithops divergens ne

Stapelia glanduliflora ne

Rare

Babiana salteri e

Bibiana stenomera e

Caralluma villetii e

Crassula multiceps ne

Crassula socialis ne

Echidnopsis serpentina ne

Elytropappus hispidus e

Gladiolus violaceo-lineatus ne

Heliophila collina ne

Heliophila laciniata ne

Heliophila patens ne

Hessea leipoldtii ne

Othonna hallii e

Othonna minima e

Oxalis deserticola e

Oxalis lichenoides ne

Oxalis melanograpta e

Oxalis senecta ne

Romulea biflora ne

Romulea sladenii e

Romulea toximontana ne

Stapelia cylista e

Tylecodon fragilis e

Ursinia subflosculosa ne

Indeterminate

Caralluma inversa ne

Diascia rudolphi ne

Holothrix confusa ne

Maughaniella luckhoffii e

Oophytum oviforme ne

Ophthalmophyllum verrucosum ne

Serruria millefolia e

Wahlenbergia annuliformis ne

Wahlenbergia brachycarpa ne

Uncertain

Agathosma elata ne

Arctotis aenea ne

Athanasia tomentella ne

Babiana klaverensis e

Babiana pilosa e

Bulbine minima	ne	Area name: <u>Calvinia</u>	
Caralluma gracilis	ne	Boundaries: <u>31-32S, 19-20E</u>	
Carpolyza spiralis	e	<u>Number of taxa listed: 98</u>	
Crassula alpestris ssp massoni	ne	Endangered	
Cyphia longiflora	e		
Cyphia oligotricha	e	Amphisiphon stylosa	e
Cyphia salteri	e	Babiana pauciflora	e
Diascia scullyi	e	Sparaxis tricolor	e
Diascia tysoni	ne		
Dorotheanthus rourkei	ne	Vulnerable	
Erica sonora	e		
Gethyllis herrei	e	Gladiolus caryophyllaceus	ne
Haemanthus nortieri	e	Haemanthus amarylloides	ne
Helichrysum filagineum	ne	Stapelia nouhuysii	ne
Helichrysum pulchellum	ne	Sutera esculenta	ne
Heliphila leptophylla	e		
Hermannia repetenda	ne	Rare	
Holothrix grandiflora	ne		
Homeria lineata	e	Aloe buhrii	e
Ixia maculata var intermedia	ne	Androsiphon capensis	e
Juncus obliquus	ne	Caralluma maughanii	e
Manulea glandulosa	e	Crassula namaquensis ssp comptonii	ne
Othonna abrotanifolia	ne	Crassula pellucida ssp spongiosa	e
Othonna cakilefolia	e	Crassula vestita	ne
Othonna lepidocaulis	ne	Cullumia pectinata	e
Othonna papaveroides	e	Echidnopsis serpentina	ne
Oxalis blastorrhiza	e	Euphorbia hallii	e
Oxalis comptonii	e	Euryops marlothii	ne
Oxalis crispula	e	Euryops rosulatus	e
Oxalis crispula var glandulosa	e	Euryops virgatus	e
Oxalis oligophylla	e	Gladiolus viridiflorus	ne
Oxalis oreithala	e	Heliophila collina	ne
Oxalis reclinata	e	Leucadendron remotum	e
Oxalis reclinata var quinata	e	Romulea amoena	e
Oxalis rhomboidea	e	Romulea hantamensis	e
Oxalis simplex	ne	Romulea sanguinalis	e
Oxalis tenuis	e	Romulea toximontana	ne
Pellaea namaquensis	ne	Sparaxis pillansii	e
Polygala lasiosepala	ne	Stapelia cincta	ne
Prismatocarpus fastigiatus	ne	Stapelia concinna var paniculata	e
Pteronia inflexa	ne	Stapelia erectiflora	ne
Pteronia pillansii	ne	Stapelia thudichumii	ne
Pterothrix cymbaefolia	e	Tylecodon striatus	e
Romulea sinispinosensis	e		
Strumaria salteri	ne	Indeterminate	
Trachyandra adamsonii	e		
Trichocaulon simile	ne	Cliffortia acutifolia	e
Ursinia pygmaea	ne	Holothrix confusa	ne
Wahlenbergia asperifolia	e	Ixia patens var patens	ne
Wahlenbergia divergens	e	Oxalis lineolata	ne
Wahlenbergia longisepala	e	Pherolobus maughani	e
Wahlenbergia polyclada	e	Romulea monadelpha	e

Romulea multisulcata	e	Prionanthium rigidum	e
Sparaxis elegans	e	Prismatocarpus pauciflorus	ne
Staavia phyllicoides	e	Romulea viridibracteata	ne
Stapelia villetae	e	Strumaria picta	e
Tridentea longii	ne	Strumaria salteri	ne
		Strumaria watermeyeri	e
Uncertain		Sutera divaricata	e
		Sutera gracilis	e
Agathosma phillipsii	ne	Sutera stenopetala	e
Anisodonteia racemosa	ne	Trachyandra gracilentia	e
Arctotis diffusa	ne	Wahlenbergia minuta	e
Arctotis sulcocarpa	ne	Zaluzianskya nemesioides	e
Aspalathus florulenta	ne		
Aspalathus obliqua	e		
Caralluma gracilis	ne		
Chlorophytum lewisae	e	<u>Area name: Williston</u>	
Cotula loganii	e	<u>Boundaries: 31-32S, 20-21E</u>	
Crassula alpestris ssp		<u>Number of taxa listed: 5</u>	
massoni	ne		
Diascia dissecta	e	Vulnerable	
Diascia nana	ne		
Diascia nutans	e	Sutera esculenta	ne
Diascia ramosa	ne		
Disperis macrocorys	ne	Rare	
Euryops mirus	e		
Ferraria uncinata	ne	Stapelia cincta	ne
Gladiolus mostertiae	e		
Gnidia leipoldtii	e	Uncertain	
Helictotrichon namaquense	ne		
Hesperantha oligantha	ne	Diascia nana	ne
Hessea unguiculata	e	Romulea membranacea	e
Homeria spiralis	e	Venidium fugax	e
Ixia curvata	e		
Ixia maculata var			
fusco-citrina	ne		
Lobostemon hottentoticus	ne	<u>Area name: Loxton</u>	
Ornithogalum inclusum	e	<u>Boundaries: 31-32S, 22-23E</u>	
Othonna cacalioides	e	<u>Number of taxa listed: 1</u>	
Othonna rechingeri	e		
Oxalis calvinensis	e	Rare	
Oxalis lasiorrhiza	e		
Oxalis massoniana	e	Crassula barbata ssp	
Oxalis massoniana var		broomii	ne
flavescens	e		
Oxalis melanosticta var			
latifolius	e		
Oxalis pulvinata	e	<u>Area name: Victoria West</u>	
Oxalis purpurata	e	<u>Boundaries: 31-32S, 23-24E</u>	
Oxalis rubro-punctata	e	<u>Number of taxa listed: 5</u>	
Pellaea namaquensis	ne		
Pentaschistis heterochaeta	e	Rare	
Phylla affinis	e		
Phylla agathosmoides	e	Crassula barbata ssp	
Polycarena filiformis	e	broomii	ne
Polycarena minimum	ne	Euryops dentatus	ne

Uncertain		<u>Area name: Vredenburg</u>	
		<u>Boundaries: 32-33S, 17-18E</u>	
		<u>Number of taxa listed: 13</u>	
Arctotis diffusa	ne		
Huernia simplex	e		
Othonna spinescens	ne	Extinct	
		Lachenalia mathewsii	e
		Vulnerable	
<u>Area name: Hanover</u>			
<u>Boundaries: 31-32S, 24-25E</u>			
<u>Number of taxa listed: 4</u>			
Uncertain		Hessea chaplinii	ne
		Hessea mathewsii	ne
		Lachenalia viridiflora	e
		Limonium acuminatum	ne
Chasmatophyllum maninum	ne	Romulea elliptica	e
Helichrysum simii	ne		
Nemesia hastata	e	Rare	
Syringodea pulchella	ne		
		Romulea barkerae	e
		Indeterminate	
<u>Area name: Steynsburg</u>			
<u>Boundaries: 31-32S, 25-26E</u>			
<u>Number of taxa listed: 1</u>			
Vulnerable		Geissorhiza lewisae	ne
		Gladiolus gracilis var latifolius	ne
		Massonia nervosa	ne
		Oxalis burtoniae	ne
Arundinaria tessellata	ne	Uncertain	
		Babiana obliqua	ne
		Polyxena corymbosa	ne
<u>Area name: Queenstown</u>			
<u>Boundaries: 31-32S, 26-27E</u>			
<u>Number of taxa listed: 10</u>			
Vulnerable		<u>Area name: Clanwilliam</u>	
		<u>Boundaries: 32-33S, 18-19E</u>	
		<u>Number of taxa listed: 101</u>	
Arundinaria tessellata	ne		
Encephalartos princeps	ne	Extinct	
Rare			
		Corycium vestitum	e
Anochilus flanaganii	ne		
Cyrtanthus helictus	ne	Endangered	
Encephalartos friderici- guilielmi	ne	Diplosoma retroversum	e
Greyia flanaganii	ne	Leucospermum profugum	e
		Sorocephalus imbricatus	ne
Indeterminate		Trichocaulon pillansii	ne
Lachenalia rhodantha	ne	Vulnerable	
Uncertain		Gladiolus caryophyllaceus	ne
		Hessea mathewsii	ne
Nerine bowdeni	ne	Marsilea schelpeana	ne
Othonna patula	e	Moraea gigandra	e
Watsonia gladioloides	e	Romulea aquatica	ne

Romulea saldanhensis	ne	Agathosma elata	ne
Stapelia glanduliflora	ne	Agathosma involucrata	e
Stapelia immelmaniae	e	Agathosma lancifolia	ne
Stapelia nouhuysii	ne	Agathosma salina	ne
Rare		Androcymbium fenestratum	e
		Anisodontea gracilis	ne
		Anisodontea racemosa	ne
Agathosma longicornu	ne	Arctotis aenea	ne
Aloe distans	ne	Arctotis fosteri	e
Babiana auriculata	ne	Aspalathus decora	ne
Bobartia orientalis ssp		Aspalathus glossoides	e
occidentalis	e	Aspalathus latifolia	e
Disa longifolia	ne	Aspalathus rectistyla	e
Erica leucosiphon	ne	Babiana brachystachys	ne
Euryops pectinatus	e	Babiana obliqua	ne
Gladiolus violaceo-lineatus	ne	Cotula pedunculata	e
Heliophila patens	ne	Cullumia floccosa	e
Hermannia helicoidea	e	Cullumia micracantha	e
Hessea leipoldtii	ne	Cyphia dentariaefolia	ne
Ixia splendida	e	Diascia rudolphi	ne
Leucadendron brunioides var		Engysiphon brevitubus	e
flumenlupinum	e	Erica aspalathoides	ne
Leucadendron discolor	e	Eriospermum patentiflorum	ne
Leucospermum arenarium	e	Eriospermum villosum	ne
Osteospermum aciphyllum	ne	Ferraria foliosa	e
Romulea tortilis var		Gnidia parviflora	ne
dissecta	ne	Hermannia repetenda	ne
Romulea tortilis var		Herschelia multifida	ne
tortilis	ne	Ixia maculata var	
Romulea vinacea	ne	intermedia	ne
Stapelia erectiflora	ne	Kensitia pillansii	e
Thereianthus racemosus	ne	Lightfootia umbellata	e
Indeterminate		Lobostemon hottentoticus	ne
		Matricaria schlechteri	ne
		Othonna tephrosioides	ne
Agathosma bicolor	ne	Oxalis luteola var minor	e
Agathosma capitata	e	Pellaea namaquensis	ne
Arctotheca forbesiana	ne	Pentaschistis hirsuta	e
Caralluma intermedia	e	Phylica cuspidata	e
Caralluma inversa	ne	Polycarena parvula	ne
Corymbium theileri	e	Prionanthium ecklonii	ne
Diplosoma leipoldtii	e	Roella latiloba	ne
Geissorhiza lewisae	ne	Senecio diodon	ne
Gladiolus gracilis var		Spiloxene maximiliani	e
latifolius	ne	Wahlenbergia constricta	e
Hermannia hispidula	e	Wahlenbergia distincta	e
Leucadendron stellare	ne	Wahlenbergia massonii	ne
Oxalis lindaviana	ne	Wahlenbergia subtilis	e
Polycarena capitatum	ne	Wahlenbergia tomentosula	ne
Schizodium longipetalum	ne		
Synnotia roxburghii	e		
Wahlenbergia brachycarpa	ne		
Uncertain		<u>Area name: Wuppertal</u>	
		<u>Boundaries: 32-33S, 19-20E</u>	
		<u>Number of taxa listed: 110</u>	
Adromischus marianae	e		
Agathosma cephalodes	e		

Extinct		Indeterminate	
Crassula alcicornis	e	Agathosma bicolor	ne
Romulea sulphurea	e	Aspalathus bidouwensis	e
		Dorotheanthus bidouwensis	e
Endangered		Geissorhiza lewisae	ne
		Holothrix confusa	ne
Leucadendron bonum	e	Leucadendron sericeum	e
Lithops comptonii	ne	Oxalis lineolata	ne
Widdringtonia cedarbergensis	e	Tridentea parvipuncta	ne
		Wahlenbergia brachycarpa	ne
Vulnerable			
		Uncertain	
Didymaotus lapidiformis	ne		
Ixia brevituba	ne	Agathosma cordifolia	ne
Restio quinquefarius	ne	Agathosma pattisonae	e
Sorocephalus scabridus	ne	Agathosma salina	ne
		Anisodonteia racemosa	ne
Rare		Aristea singularis	e
		Aspalathus decora	ne
Agathosma conferta	e	Aspalathus florulenta	ne
Agathosma dentata	e	Athanasia tomentella	ne
Agathosma distans	e	Berkheya dregei	e
Agathosma longicornu	ne	Bulbine urgineoides	ne
Aspalathus comptonii	e	Caralluma gracilis	ne
Aspalathus desertorum	ne	Cheilanthes depauperata	ne
Babiana auriculata	ne	Corycium deflexum	ne
Babiana cedarbergensis	e	Crassula elsieae	e
Cannomois aristata	e	Crassula namaquensis ssp	
Crassula namaquensis ssp		lutea	ne
comptonii	ne	Cyphia comptonii	e
Disa ovalifolia	ne	Cyphia dentariaefolia	ne
Erica leucosiphon	ne	Cyphia ranunculifolia	e
Euryops brevilobus	ne	Cyphia stephensii	e
Gladiolus buckerveldii	e	Diascia tysoni	ne
Gladiolus oreocharis	ne	Disperis macrocorys	ne
Gladiolus violaceo-lineatus	ne	Erica aspalathoides	ne
Heliophila cedarbergensis	e	Erica greyii	e
Leptocarpus levynsiae	e	Eriospermum patentiflorum	ne
Leucadendron concavum	e	Euryops zeyheri	e
Leucadendron diemontianum	ne	Geissorhiza geminata	ne
Restio brunneus	e	Geissorhiza ixioides	e
Romulea albomarginata	e	Geissorhiza leipoldtii	ne
Romulea biflora	ne	Geissorhiza rubicunda	ne
Romulea tortilis var		Hermannia repetenda	ne
tortilis	ne	Herschelia multifida	ne
Romulea vinacea	ne	Ixia conferta var	
Serruria flava	e	conferta	ne
Serruria leipoldtii	e	Ixia rouxii	ne
Stapelia erectiflora	ne	Juncus obliquus	ne
Stapelia thudichumii	ne	Lightfootia brachyphylla	ne
Thereianthus racemosus	ne	Lightfootia multicaulis	e
Tritoniopsis latifolia	e	Ophioglossum bergianum	ne
Ursinia subflosculosa	ne	Oxalis oreophila	e

Oxalis porphyriosiphon	e	Corycium deflexum	ne
Oxalis simplex	ne	Daubinya aurea	e
Phylica alpina	e	Gladiolus marlothii	e
Phylica altigena	e	Ixia trifolia	ne
Phylica barbata	e	Lithospermum flexuosum	e
Phylica chionocephala	ne	Oxalis marlothii	e
Phylica leipoldtii	e	Pellaea namaquensis	ne
Phylica levynsiae	ne	Romulea hallii	e
Phylica maximiliani	e	Romulea komsbergensis	e
Phylica pauciflora	ne	Rosenia glandulosa	e
Phylica salteri	e	Senecio erysimoides	ne
Prismatocarpus decurrens	e		
Prismatocarpus pauciflorus	ne		
Prismatocarpus pilosus	e		
Relhania multipunctata	e	Area name: Merweville	
Restio setiger	e	Boundaries: 32-33S, 21-22E	
Restio tuberculatus	e	Number of taxa listed: 1	
Romulea cedarbergensis	e		
Romulea viridibracteata	ne	Uncertain	
Spiloxene umbraticola	e		
Strumaria salteri	ne	Pteronia inflexa	ne
Watsonia cooperi	ne		

Area name: Sutherland  
 Boundaries: 32-33S, 20-21E  
 Number of taxa listed: 26

Vulnerable

Ixia brevituba ne

Rare

Crassula roggeveldii e  
 Crassula vestita ne  
 Euryops marlothii ne  
 Romulea multifida e  
 Romulea syringodeoflora e  
 Stapelia cincta ne  
 Stapelia thudichumii ne

Indeterminate

Dorotheanthus booyensii e  
 Secale africanum e  
 Tridentea longii ne

Uncertain

Adromischus phillipsiae e  
 Agathosma sabulosa e  
 Arctotis diffusa ne  
 Arctotis sulcocarpa ne

Area name: Beaufort West  
 Boundaries: 32-33S, 22-23E  
 Number of taxa listed: 10

Extinct

Caralluma arenicola ne

Endangered

Muiria hortenseae e

Rare

Stapelia cincta ne

Indeterminate

Hoodia dregei ne  
 Huernia humilis ne

Uncertain

Adromischus humilis e  
 Gibbaeum angulipes ne  
 Nemesia pallida e  
 Othonna miser ne  
 Pellaea rufa ne



Area name: Rietbron  
Boundaries: 32-33S, 23-24E  
Number of taxa listed: 5

Rare

Caralluma bredae var bredae e  
 Trichocaulon annulatum ne

Indeterminate

Trichodiadema obliquum e

Uncertain

Senecio haworthii ne  
 Venidium bolusii ne

Area name: Graaff-Reinet  
Boundaries: 32-33S, 24-25E  
Number of taxa listed: 15

Vulnerable

Encephalartos longifolius ne

Rare

Diosma passerinoides ne  
 Encephalartos lehmannii ne  
 Euryops dentatus ne  
 Trichocaulon annulatum ne

Indeterminate

Duvalia maculata ne  
 Huernia insigniflora e  
 Lachenalia rhodantha ne  
 Rhinephyllum inaequale e  
 Stapelia macowanii ne

Uncertain

Chasmatophyllum maninum ne  
 Cliffortia montana ne  
 Faucaria longidens e  
 Gazania caespitosa ne  
 Helichrysum ernestianum ne

Area name: Somerset East  
Boundaries: 32-33S, 25-26E  
Number of taxa listed: 22

Endangered

Stomatium geoffreyi e  
 Stomatium ronaldii e

Vulnerable

Encephalartos cycadifolius ne  
 Stapelia divaricata ne

Rare

Encephalartos lehmannii ne

Indeterminate

Caralluma bredae var thomallae e  
 Corycium tricuspidatum ne  
 Eulophia meleagris ne  
 Faucaria candida e  
 Huernia kennedyana e  
 Kniphofia acraea e  
 Lachenalia campanulata ne  
 Rabiea jamesii e  
 Trichodiadema rogersiae e

Uncertain

Brachymeris erubescens ne  
 Helichrysum ernestianum ne  
 Nerine huttoniae ne  
 Rhus krebsiana ne  
 Senecio diodon ne  
 Syringodea pulchella ne  
 Venidium bolusii ne  
 Wahlenbergia bowkeri e

Area name: Fort Beaufort  
Boundaries: 32-33S, 26-27E  
Number of taxa listed: 14

Vulnerable

Arundinaria tessellata ne  
 Encephalartos cycadifolius ne

Rare		Indeterminate	
Crassula socialis	ne	Calanthe natalanesis	ne
Cyrtanthus helictus	ne	Cassine crocea	ne
Cyrtanthus huttonii	ne	Kniphofia citrina	ne
Rhus crispa	ne	Lachenalia campanulata	ne
		Phylica simii	e
Indeterminate			
		Uncertain	
Cassine crocea	ne		
Euryops ciliatus	e	Cyrtanthus rectiflorus	ne
		Cyrtanthus suaveolens	e
Uncertain		Disa sanguinea	ne
		Kniphofia fibrosa	ne
Bonatea densiflora	e	Syringodea flanaganii	ne
Cyrtanthus rectiflorus	ne		
Disa sanguinea	ne		
Helichrysum isolepis	e		
Holothrix macowaniana	ne	<u>Area name: Saldanha</u>	
Rhus krebsiana	ne	<u>Boundaries: 33-34S, 17-18E</u>	
		<u>Number of taxa listed: 10</u>	
		Vulnerable	
<u>Area name: Stutterheim</u>			
<u>Boundaries: 32-33S, 27-28E</u>		Limonium acuminatum	ne
<u>Number of taxa listed: 27</u>			
Vulnerable		Rare	
Dierama pulcherrimum	ne	Aloe distans	ne
Encephalartos caffer	ne	Felicia elongata	ne
Encephalartos princeps	ne	Ixia purpureorosea	ne
Kniphofia rooperi	ne	Indeterminate	
Rare		Agathosma thymifolia	ne
		Gladiolus gracilis var	
Cassipourea flanaganii	ne	latifolius	ne
Cotyledon flanaganii	ne	Limonium capense	ne
Crinum campanulatum	ne	Oxalis subsessilis	ne
Cyrtanthus helictus	ne	Phylica greyii	e
Cyrtanthus huttonii	ne	Watsonia hysterantha	ne
Disa tysonii	ne		
Encephalartos altensteinii	ne		
Encephalartos friderici-			
guilielmi	ne	<u>Area name: Cape Town</u>	
Gladiolus oppositiflorus ssp		<u>Boundaries: 33-34S, 18-19E</u>	
oppositiflorus	ne	<u>Number of taxa listed: 196</u>	
Greyia flanaganii	ne		
Kniphofia praecox ssp			
bruceae	e	Extinct	
Rhus crispa	ne	Aspalathus variegata	e
Umtiza listerana	ne	Erica acockii	e

<i>Erica bolusiae</i>	e	<i>Geissorhiza matthewsii</i> var	
<i>Erica pyramidalis</i>	ne	<i>eurystigma</i>	e
<i>Erica turgida</i>	ne	<i>Gladiolus citrinus</i>	e
<i>Erica verticillata</i>	e	<i>Haemanthus amarylloides</i>	ne
<i>Felicia annectens</i>	ne	<i>Heliophila cuneata</i>	e
<i>Marasmodes undulata</i>	e	<i>Hessea chaplinii</i>	ne
<i>Moraea loubseri</i>	e	<i>Ixia curta</i>	e
<i>Osteospermum hirsutum</i>	e	<i>Ixia maculata</i> var	
<i>Romulea papyracea</i>	e	<i>maculata</i>	e
<i>Urginea duthiae</i>	e	<i>Leptocarpus impolitus</i>	ne
<i>Urginea eckloni</i>	e	<i>Leucadendron argenteum</i>	e
		<i>Leucadendron cinereum</i>	e
Endangered		<i>Leucadendron corymbosum</i>	ne
		<i>Leucospermum parile</i>	e
<i>Chondropetalum acockii</i>	e	<i>Limonium acuminatum</i>	ne
<i>Disa stokoei</i>	ne	<i>Oxalis levis</i>	e
<i>Erica crucistigmatica</i>	ne	<i>Oxalis perineson</i>	e
<i>Erica pilulifera</i>	e	<i>Psilothonna speciosa</i>	e
<i>Gladiolus quadrangulus</i>	ne	<i>Restio duthieae</i>	ne
<i>Herschelia barbata</i>	ne	<i>Restio quinquefarius</i>	ne
<i>Herschelia lugens</i>	ne	<i>Romulea aquatica</i>	ne
<i>Hypodiscus paludosus</i>	ne	<i>Romulea eximia</i>	e
<i>Ixia framesii</i>	e	<i>Romulea saldanhensis</i>	ne
<i>Lachenalia purpureo-caerulea</i>	e	<i>Satyrium foliosum</i>	ne
<i>Leptocarpus rigoratus</i> var		<i>Serruria candicans</i>	ne
<i>simulans</i>	ne	<i>Stapelia divaricata</i>	ne
<i>Leucadendron levisanus</i>	ne	<i>Stoebe gomphrenooides</i>	ne
<i>Leucadendron thymifolium</i>	e		
<i>Leucadendron verticillatum</i>	e	Rare	
<i>Moraea aristata</i>	e		
<i>Oxalis natans</i>	ne	<i>Aspalathus borbonifolia</i>	e
<i>Passerina paludosa</i>	ne	<i>Disa micropetala</i>	ne
<i>Prionanthium pholiuroides</i>	e	<i>Disa ovalifolia</i>	ne
<i>Protea odorata</i>	e	<i>Disa tabularis</i>	ne
<i>Relhania rotundifolia</i>	e	<i>Disa tenuicornis</i>	ne
<i>Restio acockii</i>	e	<i>Disperis bodkini</i>	e
<i>Restio harveyi</i>	ne	<i>Erica hippurus</i>	e
<i>Restio sabulosus</i>	ne	<i>Erica marifolia</i>	ne
<i>Saphesia flaccida</i>	e	<i>Euphorbia marlothiana</i>	ne
<i>Serruria ciliata</i>	ne	<i>Felicia elongata</i>	ne
<i>Serruria furcellata</i>	e	<i>Gerbera wrightii</i>	ne
<i>Serruria roxburghii</i>	ne	<i>Heliophila tabularis</i>	ne
<i>Serruria trilopha</i>	ne	<i>Ixia purpureorosea</i>	ne
		<i>Leucospermum tomentosum</i>	e
Vulnerable		<i>Monadenia sabulosa</i>	ne
		<i>Moraea cooperi</i>	ne
<i>Aspalathus rycroftii</i>	e	<i>Nemesia strumosa</i>	e
<i>Athanasia rugulosa</i>	e	<i>Orthopenthea bodkini</i>	ne
<i>Charadrophila capensis</i>	ne	<i>Oxalis involuta</i>	ne
<i>Chondropetalum rectum</i>	ne	<i>Restio micans</i>	e
<i>Cliffortia acockii</i>	e	<i>Serruria brownii</i>	e
<i>Disa neglecta</i>	ne	<i>Serruria cyanoides</i>	ne
<i>Elegia prominens</i>	ne	<i>Serruria kraussii</i>	ne
<i>Elegia verreauxii</i>	ne	<i>Serruria linearis</i>	e
<i>Erica ferrea</i>	ne	<i>Thamnochortus nutans</i>	ne
<i>Geissorhiza matthewsii</i>	e	<i>Thamnochortus punctatus</i>	ne

Indeterminate

Agathosma thymifolia  
 Arctotheca forbesiana  
 Aristea lugens  
 Aspalathus acanthophylla  
 Aspalathus glabrata  
 Babiana leipoldtii  
 Cenia duckittiae  
 Cotula myriophylloides  
 Crassula decumbens var  
   brachyphylla  
 Eulophia litoralis  
 Ferraria divaricata ssp  
   arenosa  
 Geissorhiza furva  
 Geissorhiza lewisae  
 Gladiolus carinatus ssp  
   parviflorus  
 Gladiolus gracilis var  
   latifolius  
 Grisebachia incana  
 Homeria meterlekampiae  
 Isoetes stephansenii  
 Ixia versicolor  
 Leucadendron stellare  
 Limonium capense  
 Marasmodes dummeri  
 Massonia nervosa  
 Monadenia physodes  
 Muraltia aciphylla  
 Muraltia harveyana  
 Ornithogalum secundum  
 Osteospermum hispidum var  
   viride  
 Oxalis burtoniae  
 Oxalis fragilis  
 Oxalis fragilis var  
   pellucida  
 Oxalis subsessilis  
 Phylla schlechteri  
 Polycarena capitatum  
 Schizodium longipetalum  
 Senecio foeniculoides  
 Serruria incrassata  
 Tritoniopsis elongata  
 Urginea minor  
 Urginea pygmaea  
 Wahlenbergia annuliformis  
 Wahlenbergia debilis  
 Watsonia hysteraantha  
 Watsonia rosea-alba  
 Watsonia stanfordiae  
 Willdenowia affinis

Uncertain

ne Agathosma cordifolia ne  
 ne Aspalathus obtusifolia ne  
 e Babiana obliqua ne  
 e Disa begleyi ne  
 e Eriospermum fasciculatum ne  
 e Eriospermum stoloniferum ne  
 e Ferraria uncinata ne  
 ne Galenia fruticosa var  
   prostrata e  
 ne Geissorhiza geminata ne  
 ne Geissorhiza rogersii ne  
 Geissorhiza rubicunda ne  
 e Gladiolus jonquilliodorus ne  
 ne Gladiolus martleyi ne  
 ne Gladiolus nerineoides e  
 Gladiolus recurvus ne  
 ne Helictotrichon quinquisetum e  
 Ixia cochlearis ne  
 ne Ixia conferta var conferta ne  
 ne Ixia conferta var ochroleuca ne  
 e Ixia rouxii ne  
 Marasmodes oligocephalus ne  
 ne Ophioglossum bergianum ne  
 ne Othonna tephrosioides ne  
 ne Pellaea namaquensis ne  
 e Pentasthictis zeyheri ne  
 ne Polycarena sordidum e  
 ne Polyxena corymbosa ne  
 e Pterothrix perotrichoides ne  
 e Ranunculus capensis ne  
 ne Roella bryoides ne  
 ne Senecio expansus ne  
 e Senecio thunbergii e  
 ne Tetraria brachyphylla ne  
 e Urginea forsteri ne  
 Urginea revoluta ne  
 e Wahlenbergia ciliolata ne  
 ne Wahlenbergia clavatula e  
 e Wahlenbergia compacta e  
 ne Wahlenbergia dunantii e  
 ne Wahlenbergia massonii ne  
 ne Wahlenbergia ramifera e  
 e Wahlenbergia rotundifolia e  
 ne Wahlenbergia serpentina ne  
 e Wahlenbergia subpilosa e  
 e Watsonia dubia ne  
 ne Watsonia strictiflora ne  
 e Watsonia vittata e  
 ne Watsonia wordsworthiana ne

Area name: Worcester  
 Boundaries: 33-34S, 19-20E  
 Number of taxa listed: 253

Extinct		Protea angustata	ne
		Restio coactilis	e
		Serruria candicans	ne
		Sorocephalus scabridus	ne
		Spatalla tulbaghensis	e
		Stapelia glanduliflora	ne
Elegia extensa	e	Stylapterus ericoides ssp	
Elegia fastigiata	e	ericoides	e
Leucadendron comosum ssp		Rare	
homeophyllum	e		
Leucadendron spirale	e		
Moraea incurva	e	Agathosma foleyana	e
Thamnea depressa	ne	Amphigena leptostachya	ne
Thamnea uniflora	ne	Anaxeton ellipticum	ne
		Aspalathus desertorum	ne
Endangered		Aspalathus esterhuyseniae	e
		Aspalathus fasciculata	e
Diastella buekii	e	Aspalathus suaveolens	e
Erica bakeri	e	Diastella myrtifolia	e
Erica chrysocodon	e	Diastella parilis	e
Erica junonia	e	Disa longifolia	ne
Huernia witzenbergensis	e	Disa micropetala	ne
Hypodiscus paludosus	ne	Disa ovalifolia	ne
Leucadendron chamelaea	e	Disa tabularis	ne
Leucadendron flexuosum	e	Erica atrovinosa	e
Lithops comptonii	ne	Erica cremea	e
Moraea tulbaghensis	e	Erica intricata	e
Oxalis natans	ne	Erica keeromsbergensis	e
Phyllica ampliata	e	Erica lerouxiae	e
Pleiospilos prismaticus	ne	Erica leucosiphon	ne
Protea holosericea	e	Erica parvulisepala	ne
Protea mucronifolia	e	Euryops brevilibus	ne
Ruschia leipoldtii	ne	Euryops decipiens	ne
Serruria florida	ne	Gladiolus cardinalis	e
Serruria roxburghii	ne	Gladiolus oreocharis	ne
Sorocephalus imbricatus	ne	Heliophila filicaulis	e
Stapelia concinna var		Heliophila tricuspidata	ne
concinna	e	Hypodiscus sulcatus	ne
		Leucadendron diemontianum	ne
Vulnerable		Leucadendron nervosum	e
		Leucospermum formosum	ne
Caralluma cincta	ne	Moraea cooperi	ne
Charadrophila capensis	ne	Nemesia picta	e
Chondropetalum longiflorum	e	Nerine pudica	ne
Didymaotus lapidiformis	ne	Oldenburgia papionum	e
Disa neglecta	en	Orthopenthea minor	ne
Elegia stokoei	e	Osteospermum aciphyllum	ne
Erica purgatoriensis	ne	Oxalis involuta	ne
Euphorbia nesemannii	e	Paranomus adiantifolius	ne
Gethyllis multifolia	e	Paranomus capitatus	e
Glischrocolla formosa	ne	Paranomus diversifolius	ne
Ixia viridiflora	e	Passerina burchellii	e
Lachenalia polyphylla	e	Protea oleracea	ne
Leucadendron corymbosum	ne	Protea pityphylla	e
Pachites bodkini	ne	Restio esterhuyseniae	e

<i>Restio fuscidulus</i>	e	<i>Alciope lanata</i>	e
<i>Romulea tortilis</i> var		<i>Anaxeton angustifolium</i>	e
<i>tortilis</i>	ne	<i>Anisodonteia dissecta</i>	ne
<i>Senecio coleophyllus</i>	ne	<i>Anisodonteia gracilis</i>	ne
<i>Serruria triternata</i>	e	<i>Arctotis aenea</i>	ne
<i>Serruria zeyheri</i>	e	<i>Arctotis parvifolia</i>	e
<i>Sorocephalus alopecurus</i>	ne	<i>Aristea recisa</i>	ne
<i>Sorocephalus teretifolius</i>	e	<i>Aspalathus burchelliana</i>	ne
<i>Spatalla salsoloides</i>	e	<i>Aspalathus compacta</i>	e
<i>Stylapterus ericoides</i> ssp		<i>Aspalathus corniculata</i>	e
<i>pallidus</i>	e	<i>Aspalathus erythrodes</i>	e
<i>Thamnochortus acuminatus</i>	e	<i>Aspalathus ferox</i>	e
<i>Thereianthus racemosus</i>	ne	<i>Aspalathus lenticula</i>	e
<i>Ursinia coronopifolia</i>	e	<i>Aspalathus macrocarpa</i>	ne
<i>Willdenowia purpurea</i>	ne	<i>Aspalathus orbiculata</i>	e
		<i>Aspalathus pilantha</i>	e
Indeterminate		<i>Aspalathus rostrata</i>	e
		<i>Aspalathus sulphurea</i>	e
<i>Caralluma pillansii</i>	ne	<i>Athanasia crassifolia</i>	e
<i>Carpacoce heteromorpha</i>	ne	<i>Athanasia harmeri</i>	ne
<i>Cliffortia strigosa</i>	e	<i>Athanasia palmatifida</i>	e
<i>Diclis stellarioides</i>	e	<i>Athanasia spathulata</i>	ne
<i>Diosma flavescens</i>	e	<i>Bulbine minima</i>	ne
<i>Erica hibbertia</i>	ne	<i>Chasmanthe bicolor</i>	ne
<i>Geissorhiza furva</i>	ne	<i>Chlorophytum monophyllum</i>	e
<i>Gladiolus virescens</i> var		<i>Cliffortia cymbifolia</i>	ne
<i>roseo-venosus</i>	e	<i>Cliffortia lanata</i>	e
<i>Grisebachia incana</i>	ne	<i>Cliffortia multififormis</i>	ne
<i>Haworthia rubriflora</i>	ne	<i>Cliffortia reticulata</i>	ne
<i>Herschelia atropurpurea</i>	e	<i>Corycium deflexum</i>	ne
<i>Holothrix confusa</i>	ne	<i>Corycium venosum</i>	ne
<i>Ixia patens</i> var <i>linearifolia</i>	e	<i>Crassula namaquensis</i> ssp	
<i>Ixia stolonifera</i>	e	<i>lutea</i>	ne
<i>Leucadendron burchellii</i>	e	<i>Diascia nana</i>	ne
<i>Muraltia angustiflora</i>	e	<i>Diosma thyrsophora</i>	ne
<i>Muraltia ferox</i>	e	<i>Disa brachyceras</i>	ne
<i>Oxalis lindaviana</i>	ne	<i>Erica auriculata</i>	e
<i>Phyllica stenopetala</i>	e	<i>Erica cryptanthera</i>	ne
<i>Restio aureolus</i>	e	<i>Erica eriophoros</i>	e
<i>Restio subcompressus</i>	ne	<i>Erica latifolia</i>	ne
<i>Romulea sphaerocarpa</i>	e	<i>Erica rufescens</i>	ne
<i>Schizodium longipetalum</i>	ne	<i>Erica trichophora</i>	ne
<i>Senecio foeniculoides</i>	ne	<i>Geissorhiza geminata</i>	ne
<i>Spatalla propinqua</i>	ne	<i>Geissorhiza leipoldtii</i>	ne
<i>Tritoniopsis elongata</i>	ne	<i>Geissorhiza ovalifolia</i>	e
<i>Watsonia rosea-alba</i>	ne	<i>Geissorhiza pappei</i>	ne
<i>Watsonia stanfordiae</i>	ne	<i>Geissorhiza rogersii</i>	ne
		<i>Geissorhiza rubicunda</i>	ne
Uncertain		<i>Gethyllis unilateralis</i>	ne
		<i>Gladiolus recurvus</i>	ne
<i>Agathosma cordifolia</i>	ne	<i>Gnidia parviflora</i>	ne
<i>Agathosma decurrens</i>	e	<i>Grisebachia rigida</i>	e
<i>Agathosma lancifolia</i>	ne	<i>Helichrysum pulchellum</i>	ne
<i>Agathosma leptospermoides</i>	ne	<i>Herschelia charpentierana</i>	ne
<i>Agathosma phillipsii</i>	ne	<i>Hippia hirsuta</i>	ne

<i>Ixia bellendenii</i>	ne	<i>Wahlenbergia schistacea</i>	e
<i>Ixia cochlearis</i>	ne	<i>Wahlenbergia swellendamensis</i>	e
<i>Ixia conferta</i> var <i>ochroleuca</i>	ne	<i>Wahlenbergia tomentosula</i>	ne
<i>Ixia maculata</i> var <i>fusco-citrina</i>	ne	<i>Watsonia ardernei</i>	e
<i>Ixia rouxii</i>	ne	<i>Watsonia cooperi</i>	ne
<i>Lachnaea elegans</i>	e	<i>Watsonia dubia</i>	ne
<i>Lampranthus arbuthnotiae</i>	ne	<i>Watsonia strictiflora</i>	ne
<i>Lapeirousia corymbosa</i> ssp <i>alta</i>	ne	<i>Watsonia wordsworthiana</i>	ne
<i>Laurentia mariae</i>	e		
<i>Lightfootia brachyphylla</i>	ne	Area name: <u>Montagu</u>	
<i>Lightfootia effusa</i>	e	Boundaries: <u>33-34S, 20-21E</u>	
<i>Lobelia nuxax</i>	e	Number of taxa listed: <u>119</u>	
<i>Lobostemon gracilis</i>	ne		
<i>Mairia decumbens</i>	ne	Extinct	
<i>Marasmodes oligocephalus</i>	ne		
<i>Matalasia schlechteri</i>	e	<i>Caralluma arenicola</i>	ne
<i>Monopsis arenaria</i>	e	<i>Crassula subulata</i> var <i>hispida</i>	e
<i>Monopsis flava</i>	e		
<i>Muraltia serrata</i>	e	Endangered	
<i>Othonna miser</i>	ne		
<i>Oxalis callimarginata</i>	e	<i>Bobartia parva</i>	e
<i>Oxalis henrici</i>	e	<i>Euchaetis avisylvana</i>	e
<i>Phylica chionocephala</i>	ne	<i>Gladiolus emiliae</i>	ne
<i>Phylica comosa</i>	e	<i>Leucadendron ericifolium</i>	ne
<i>Phylica guthriei</i>	e	<i>Leucadendron tradouwense</i>	e
<i>Phylica levynsiae</i>	ne	<i>Pleiospilos hilmari</i>	ne
<i>Phylica lucens</i>	e	<i>Pleiospilos prismaticus</i>	ne
<i>Phylica nodosa</i>	e	<i>Ruschia leipoldtii</i>	ne
<i>Phylica pauciflora</i>	ne	<i>Stapelia dwequensis</i>	ne
<i>Phylica reversa</i>	e	<i>Trichocaulon pillansii</i>	ne
<i>Phylica trachyphylla</i>	e		
<i>Polycarena minimum</i>	ne	Vulnerable	
<i>Polycarena parvula</i>	ne		
<i>Prionanthium ecklonii</i>	ne	<i>Empleurum fragrans</i>	e
<i>Prismatocarpus implicatus</i>	e	<i>Satyrium foliosum</i>	ne
<i>Pterothrix flaccida</i>	ne		
<i>Pterothrix perotrichoides</i>	ne	Rare	
<i>Relhania tricephala</i>	ne		
<i>Restio filicaulis</i>	e	<i>Adenandra dahlgrenii</i>	e
<i>Roella bryoides</i>	ne	<i>Caralluma linearis</i>	e
<i>Romulea malaniae</i>	e	<i>Cotyledon heterophylla</i>	ne
<i>Scilla plumbea</i>	e	<i>Crassula socialis</i>	ne
<i>Senecio diodon</i>	ne	<i>Diosma passerinoides</i>	ne
<i>Senecio expansus</i>	ne	<i>Erica oophylla</i>	e
<i>Senecio rehmanni</i>	ne	<i>Freesia speciosa</i>	e
<i>Senecio succulentus</i>	e	<i>Geissoloma marginatum</i>	ne
<i>Stapelia vetula</i> var <i>simsii</i>	e	<i>Gladiolus punctulatus</i> var <i>autumnalis</i>	ne
<i>Stilpnophytum oocephalum</i>	ne	<i>Gladiolus punctulatus</i> var <i>punctulatus</i>	e
<i>Sutera cephalotes</i>	ne	<i>Hessea karooica</i>	e
<i>Urginea forsteri</i>	ne	<i>Huernia distincta</i>	e
<i>Venidium angustifolium</i>	ne	<i>Hypodiscus sulcatus</i>	ne
<i>Venidium macrospermum</i>	e		
<i>Wahlenbergia mollis</i>	e		

Leucadendron cadens	e	Diosma patentifolia	e
Leucadendron radiatum	ne	Erica barrydalensis	e
Leucospermum mundii	ne	Erica heleophila	ne
Mimetes splendidus	ne	Erica heterophylla	e
Othonna pteronioides	e	Erica latifolia	ne
Phymaspermum schroeteri	e	Erica macilenta	ne
Protea convexa	e	Erica mundii	e
Spatalla nubicola	e	Erica oxyandra	e
Stylapterus dubius	ne	Geissorhiza burchellii	ne
Stylapterus ericifolius	ne	Gladiolus bilineatus	ne
Trichodiadema densum	ne	Gladiolus engysiphon	ne
		Gladiolus martleyi	ne
Indeterminate		Gladiolus stephaniae	e
		Gladiolus tristis var	
		concolor	ne
Agathosma florida	e	Helichrysum archeri	e
Agathosma subteretifolia	e	Helichrysum concinnum	ne
Caralluma pillansii	ne	Helichrysum silicicolum	e
Duvalia parviflora	ne	Imitaria muirii	ne
Haworthia rubriflora	ne	Ixia leipoldtii	ne
Hoodia pillansii	ne	Ixia trifolia	ne
Huernia pillansii	ne	Lobelia dasyphylla	e
Huernia praestans	ne	Lobelia hypsibata	e
Ixia gloriosa	e	Lobostemon horridus	e
Leptocarpus monostylis	ne	Lobostemon muirii	ne
Muraltia karroica	ne	Nivenia fruticosa	ne
Oxalis microdonta	e	Othonna lasiocarpa	ne
Pachites appressa	e	Othonna linearifolia	e
Polycarena capitatum	ne	Othonna pinnatilobata	e
Raspalia barnardii	e	Othonna spinescens	ne
Sceletium ovatum	e	Othonna tephrosioides	ne
Thamnea gracilis	e	Oxalis anomala	ne
Tridentea parvipuncta	ne	Oxalis ciliaris var	
Willdenowia fistulosa	ne	pageae	e
Uncertain		Oxalis orbicularis	e
		Oxalis stellata var	
		montaguensis	e
Agathosma linifolia	ne	Pellaea rufa	ne
Agathosma umbonata	e	Phylica brachycephala	e
Anisodontea dissecta	ne	Phylica recurvifolia	e
Anisodontea pseudocapensis	ne	Phylica wittebergensis	e
Arctotis rosea	e	Pterothrix perotrichoides	ne
Aspalathus burchelliana	ne	Relhania tricephala	ne
Aspalathus campestris	ne	Senecio erysimoides	ne
Aspalathus hypnoides	ne	Senecio haworthii	ne
Aspalathus lamarckiana	ne	Stilpnophytum inopinatum	e
Aspalathus macrocarpa	ne	Wahlenbergia tumida	ne
Aspalathus vulpina	ne	Watsonia caledonica	ne
Brachymeris erubescens	ne		
Cheilanthes depauperata	ne		
Coleonema aspalathoides	e		
Crassula alpestris ssp			
massoni	ne	Area name: Ladismith	
Crassula brachystachya	ne	Boundaries: 33-34S, 21-22E	
Crassula rupestris var		Number of taxa listed: 86	
marnierana	ne		



Endangered		Uncertain	
Leucadendron ericifolium	ne	Anisodonteia pseudocapensis	ne
Pleiospilos hilmari	ne	Anisodonteia theronii	e
		Aspalathus incana	e
Vulnerable		Aspalathus karrooensis	e
		Aspalathus lamarckiana	ne
Paranomus longicaulis	e	Aspalathus longifolia	e
Protea pruinosa	e	Aspalathus ramosissima	ne
Tylecodon cacalioides	ne	Aspalathus vulpina	ne
		Blepharis inermis	e
Rare		Crassula brachystachya	ne
		Crassula rupestris var	
		marnierana	ne
Acmadenia niveni	e	Diascia ramosa	ne
Cotyledon heterophylla	ne	Diosma thyrsophora	ne
Cyrtanthus clavatus	ne	Diosma thyrsophora	ne
Disa schlechteriana	e	Erica macilenta	ne
Erica granulatifolia	e	Erica obconica	e
Erica nematophylla	e	Erica ostiaria	ne
Euryops decipiens	ne	Gazania caespitosa	ne
Geissoloma marginatum	ne	Gibbaeum angulipes	ne
Gladiolus lewisiae	e	Gibbaeum pachypodium	e
Gladiolus punctulatus var		Gladiolus bilineatus	ne
autumnalis	ne	Gladiolus engysiphon	ne
Haworthia blackburniae	e	Gladiolus leptosiphon	ne
Heliophila rimicola	e	Gnidia scabrida	e
Leucadendron radiatum	ne	Helichrysum cochleariforme	ne
Leucospermum formosum	ne	Hippia hirsuta	ne
Leucospermum mundii	ne	Holothrix grandiflora	ne
Leucospermum pluridens	ne	Imitaria muirii	ne
Leucospermum secundifolium	e	Laurentia longituba	e
Mimetes splendidus	ne	Lightfootia pauciflora	e
Osteospermum aciphyllum	ne	Lightfootia planifolia	ne
Paranomus diversifolius	ne	Lobostemon muirii	ne
Raspalia schlechteri	e	Nivenia fruticosa	ne
Restio papyraceus	e	Oxalis anomala	ne
Stylapterus dubius	ne	Oxalis dichotoma	e
Trichodiadema hallii	e	Phylica longimontana	e
		Phylica nigromontana	ne
Indeterminate		Phylica sericea	e
		Prismatocarpus hispidus	ne
Caralluma pillansii	ne	Sutera subnuda	e
Duvalia parviflora	ne	Syringodea saxatilis	e
Erica dysantha	e	Watsonia emiliae	e
Erica lagenaeformis	e		
Freylinia decurrens	e		
Haworthia maughanii	e		
Holothrix pilosa	ne	Area name: Oudtshoorn	
Hoodia barklyi	e	Boundaries: 33-34S, 22-23E	
Huernia praestans	ne	Number of taxa listed: 64	
Leptocarpus monostylis	ne		
Muraltia karroica	ne	Extinct	
Paranomus centaureoides	e		
Polygala langebergensis	e	Acrolophia ustulata	ne
Thamnochortus ellipticus	e	Anisodonteia alexandri	e
Tridentea choananthus	e	Caralluma arenicola	ne
Willdenowia fistulosa	ne		

Vulnerable		Gethyllis unilateralis	ne
		Gladiolus leptosiphon	ne
Leucospermum glabrum	ne	Gnidia parviflora	ne
Thamnochortus muirii	ne	Ixia leipoldtii	ne
Tylecodon cacalioides	ne	Lobelia montaguensis	e
		Metalasia tricolor	e
Rare		Muraltia carnosa	e
		Osteospermum pterigoideum	ne
Agathosma dielsiana	ne	Oxalis attaquina	e
Berkheya francisci	e	Oxalis fourcadei	ne
Bobartia paniculata	e	Oxalis ioeides	e
Diosma passerinoides	ne	Oxalis stellata var	
Eulophia tabularis	ne	gracilior	e
Felicia esterhuyseniae	e	Pellaea rufa	ne
Leucadendron rourkei	ne	Phyllica nigromontana	ne
Leucadendron singulare	e	Polycarena multifolium	ne
Leucospermum formosum	ne	Prismatocarpus hispidus	ne
Leucospermum pluridens	ne	Stilpnophytum ocephalum	ne
Staberoha stokoei	e		
Syringodea derustensis	e		
Thamnochortus nutans	ne		
Trichodiadema burgeri	e		
		<u>Area name: Willowmore</u>	
		<u>Boundaries: 33-34S, 23-24E</u>	
		<u>Number of taxa listed: 47</u>	
Indeterminate			
Agathosma affinis	e	Extinct	
Cassine crocea	ne		
Haworthia truncata	e	Caralluma arenicola	ne
Hoodia dregei	ne		
Hoodia pillansii	ne	Vulnerable	
Huernia pillansii	ne		
Romulea jugicola	e	Encephalartos longifolius	ne
Wahlenbergia brachycarpa	ne	Leucospermum glabrum	ne
Uncertain		Rare	
Agathosma planifolia	ne	Encephalartos lehmannii	ne
Agathosma rehmanniana	e	Erica beatricis	e
Agathosma zwartbergense	e	Euryops integrifolius	e
Aristea simplex	ne	Faurea macnaughtonii	ne
Aspalathus digitifolia	e	Felicia tsitsikamae	e
Aspalathus ramosissima	ne	Freesia armstrongii	ne
Athanasia quinquedentata	e	Herschelia tripartita	e
Cliffortia aculeata	e	Leucadendron rourkei	ne
Cliffortia cymbifolia	ne	Mimetes palustris	ne
Cliffortia montana	ne	Trichocaulon annulatum	ne
Crassula brachystachya	ne	Trichodiadema densum	ne
Cyphia longilobata	e		
Diascia pentheri	e	Indeterminate	
Elegia altigena	e		
Erica aneimana	e	Calanthe natalensis	ne
Erica blesbergensis	e	Caralluma pillansii	ne
Erica heleophila	ne	Holothrix pilosa	ne
Erica lehmannii	e	Lachenalia haarlemensis	e
Erica ostiaria	ne	Monadenia physodes	ne

Paranomus esterhuysenae	ne	Uncertain	
Pleiospilos leipoldtii	e		
Protea vogtsiae	ne	Agathosma unicarPELLATA	ne
Sceletium expansum	e	Aspalathus fourcadei	ne
Trichodiadema aurea	e	Chasmatophyllum maninum	ne
Trichodiadema peersii	e	Erioccephalus tenuipes	ne
Watsonia ecklonii	e	Gasteria armstrongii	e
		Stoebe ensori	ne
Uncertain		Sutera atrocaerulea	e
Agathosma planifolia	ne		
Agathosma spinosa	e		
Aspalathus fourcadei	ne	Area name: Port Elizabeth	
Brachycorythis macowaniana	ne	Boundaries: 33-34S, 25-26E	
Corymbium fourcadei	e	Number of taxa listed: 53	
Cotyledon ladismithiensis	e		
Disparago rosea	e	Extinct	
Elegia bella	e		
Erica keetii	ne	Gladiolus alatus var	
Erioccephalus tenuipes	ne	algoensis	e
Glottiphyllum uniodalense	e		
Helichrysum ramulosum	e	Endangered	
Lobostemon lucidus	ne		
Monopsis stricta	e	Brunsvigia litoralis	e
Oxalis duriuscula	ne	Herschelia lugens	ne
Oxalis fourcadei	ne		
Oxalis heidelbergensis	ne	Vulnerable	
Pleiospilos kingiae	e		
Relhania decussata	e	Cyrtanthus spiralis	ne
Senecio diodon	ne	Cyrtanthus staadensis	ne
Stoebe ensori	ne	Encephalartos horridus	e
		Encephalartos longifolius	ne
		Eulophia platypetala	ne
		Helichrysum recurvatum	ne
		Lobelia zwartkopensis	e
		Marsilea schelpeana	ne
		Rapanea gilliana	ne
Vulnerable		Rare	
Encephalartos longifolius	ne	Atalaya capensis	ne
		Crassula arborescens ssp	
Rare		undulatifolia	e
		Crassula socialis	ne
Atalaya capensis	ne	Crinum lineare	ne
Encephalartos lehmannii	ne	Cyrtanthus clavatus	ne
Freesia armstrongii	ne	Cyrtanthus helictus	ne
Strelitzia juncea	ne	Cyrtanthus loddigesianus	ne
		Encephalartos lehmannii	ne
Indeterminate		Euryops latifolius	e
		Lampranthus algoensis	e
Cassine crocea	ne	Oldenburgia arbuscula	ne
Haworthia springbokvlakensis	e	Stapelia conformis	ne
Paranomus esterhuysenae	ne	Stapelia plantii	ne
Protea vogtsiae	ne	Sterculia alexandri	e
Tridentea baylissii	e	Strelitzia juncea	ne

Indeterminate		Crinum lineare	ne
		Cyrtanthus clavatus	ne
Euryops ursinoides	e	Cyrtanthus helictus	ne
Holothrix pilosa	ne	Cyrtanthus loddigesianus	ne
Huernia longii	e	Cyrtanthus smithii	e
Kniphofia citrina	ne	Dietes bicolor	ne
Lachnaea glomerata	e	Encephalartos altensteinii	ne
Leucadendron orientale	e	Gladiolus gueinzii	ne
Othonna membranifolia	ne	Oldenburgia arbuscula	ne
Trichodiadema rupicolum	e	Stapelia conformis	ne
Tridentea longii	ne	Stapelia plantii	ne

Uncertain		Indeterminate	
Amphiglossa callunoides	e	Cassine crocea	ne
Athanasia mundtii	ne	Euryops polytrichoides	e
Bulbine flexicaulis	e	Kniphofia citrina	ne
Erica ethelae	e	Lachenalia convallarioides	
Heliophila ramosissima	ne	var robusta	e
Heterolepis mitis	e	Stapelia macowanii	ne
Holothrix longicornu	e	Uncertain	
Neopatersonia uitenhagensis	e	Brachycorythis macowaniana	ne
Nerine huttoniae	ne	Cyrtanthus flavus	e
Pentaschistis zeyheri	ne	Euryops gracilipes	e
Senecio addoensis	e	Gasteria lilliputana	e
Senecio hirtellus	ne	Holothrix macowaniana	ne
Senecio microspermus	ne	Isoetes wormaldii	ne
Senecio serrurioides	e	Nerine huttoniae	ne
Sutera influndibuliformis	ne	Senecio hirtellus	ne
Sutera intertexta	e		
Syringodea flanaganii	ne		

Area name: Grahamstown  
 Boundaries: 33-34S, 26-27E  
 Number of taxa listed: 34

Area name: Peddie  
 Boundaries: 33-34S, 27-28E  
 Number of taxa listed: 19

Endangered		Vulnerable	
Encephalartos latifrons	e	Arundinaria tessellata	ne
		Encephalartos caffer	ne
Vulnerable		Encephalartos trispinosus	ne
		Kniphofia rooperi	ne
Encephalartos arenarius	e	Rare	
Encephalartos caffer	ne	Cassipourea flanaganii	ne
Encephalartos longifolius	ne	Crinum lineare	ne
Encephalartos trispinosus	ne	Cyrtanthus loddigesianus	ne
Helichrysum recurvatum	ne	Dietes bicolor	ne
Rapanea gilliana	ne	Encephalartos altensteinii	ne
Rare		Encephalartos friderici-	
		guilielmi	ne
Clivia nobilis	ne	Encephalartos villosus	ne
Crassula socialis	ne	Gladiolus gueinzii	ne
Crinum campanulatum	ne	Umtiza listerana	ne

Indeterminate		Serruria florida	ne
		Serruria trilopha	ne
Cassine crocea	ne	Sorocephalus palustris	e
Clivia gardenii	ne	Sorocephalus tenuifolius	ne
Disperis woodii	ne	Staavia dodii	e
Uncertain		Vulnerable	
Bobartia gracilis	ne	Audouinia capitata	e
Isoetes wormaldii	ne	Charadrophila capensis	ne
Venidium bolusii	ne	Chondropetalum rectum	ne
		Disa neglecta	ne
		Elegia prominens	ne
		Elegia verreauxii	ne
		Erica cyrillae-flora	e
		Erica ferrea	ne
		Erica paludicola	e
		Erica porteri	e
		Erica urna-viridis	e
		Glischrocolla formosa	ne
		Haemanthus canaliculatus	e
		Lobostemon bolusii	ne
		Pachites bodkini	ne
		Protea angustata	ne
		Restio communis	e
		Restio duthieae	ne
		Restio festucaeformis	ne
		Restio quinquefarius	ne
		Satyrium foliosum	ne
		Stoebe gomphrenoides	ne
		Thamnochortus pellucidus	ne
Extinct		Rare	
Acrolophia ustulata	ne	Acrolophia micrantha	ne
Erica pyramidalis	ne	Agapanthus walshii	e
Leptocarpus ramosissimus	e	Agathosma stokoei	ne
Satyrium guthriei	e	Amphigena leptostachya	ne
Thamnea uniflora	ne	Amphigena tenuis	e
Wahlenbergia saxifragoides	e	Anaxeton ellipticum	ne
		Aspalathus stokoei	ne
Endangered		Berzelia dregeana	ne
Disa stokoei	ne	Berzelia ecklonii	ne
Elegia fenestrata	ne	Bobartia gladiata ssp	
Erica crucistigmatica	ne	major	e
Erica fairii	e	Disa micropetala	ne
Erica heleogena	e	Disa pillansii	ne
Erica limosa	e	Disa salteri	e
Erica sociorum	e	Disa tenuicornis	ne
Gladiolus aureus	e	Erica annectens	e
Gladiolus quadrangulus	ne	Erica comptonii	ne
Herschelia barbata	ne	Erica dulcis	ne
Herschelia lugens	ne	Erica marifolia	ne
Hypodiscus paludosus	ne	Erica vallis-araneorum	e
Leptocarpus rigoratus var		Erica vestiflua	e
simulans	ne		
Leucadendron floridum	e		
Leucadendron levisanus	ne		
Leucadendron macowanii	e		
Mimetes hottentoticus	e		
Muraltia satureioides var			
salteri	e		
Orothamnus zeyheri	e		
Oxalis natans	ne		
Passerina paludosa	ne		
Restio harveyi	ne		
Roella goodiana	e		
Serruria ciliata	ne		

Area name: Simonstown

Boundaries: 34-35S, 18-19E

Number of taxa listed: 178

<i>Eulophia tabularis</i>	ne	<i>Nivenia stokoei</i>	ne
<i>Euphorbia marlothiana</i>	ne	<i>Polycarena capitatum</i>	ne
<i>Euryops indecorus</i>	e	<i>Restio subcompressus</i>	ne
<i>Gerbera wrightii</i>	ne	<i>Senecio foeniculoides</i>	ne
<i>Heliophila cinerea</i>	e	<i>Solanum crassifolium</i>	e
<i>Heliophila tabularis</i>	ne	<i>Stylapterus barbatus</i>	e
<i>Heliophila tricuspидata</i>	ne	<i>Watsonia rosea-alba</i>	ne
<i>Klattia partita</i>	ne	<i>Willdenowia fistulosa</i>	ne
<i>Leucospermum bolusii</i>	e	<i>Zaluzianskya ramosa</i>	e
<i>Leucospermum cordatum</i>	e		
<i>Mimetes capitulatus</i>	ne	Uncertain	
<i>Monadenia ecalcarata</i>	e		
<i>Monadenia sabulosa</i>	ne	<i>Acmadenia alternifolia</i>	ne
<i>Muraltia guthriei</i>	e	<i>Aspalathus acanthiloba</i>	e
<i>Nivenia levynsiae</i>	ne	<i>Aspalathus macrantha</i>	ne
<i>Prismatocarpus cordifolius</i>	ne	<i>Aspalathus vacciniifolia</i>	e
<i>Protea oleracea</i>	ne	<i>Athanasia spathulata</i>	ne
<i>Restio cascadiensis</i>	e	<i>Cliffortia carinata</i>	ne
<i>Restio distans</i>	e	<i>Cliffortia cymbifolia</i>	ne
<i>Restio dodii</i> var <i>dodii</i>	e	<i>Cliffortia intermedia</i>	ne
<i>Restio fusiformis</i>	e	<i>Cliffortia longifolia</i>	ne
<i>Restio involutus</i>	e	<i>Cliffortia reticulata</i>	ne
<i>Senecio coleophyllus</i>	ne	<i>Corycium venosum</i>	ne
<i>Serruria cyanoides</i>	ne	<i>Cotula paradoxa</i>	e
<i>Serruria hirsuta</i>	e	<i>Cyphia dentariaefolia</i>	ne
<i>Serruria kraussii</i>	ne	<i>Disa begleyi</i>	ne
<i>Stoebe humilis</i>	ne	<i>Disa brachyceras</i>	ne
<i>Thamnochortus fraternus</i>	e	<i>Erica cerviciflora</i>	e
<i>Thamnochortus nutans</i>	ne	<i>Erica trichophora</i>	ne
<i>Thamnochortus punctatus</i>	ne	<i>Erica turbiniflora</i>	e
		<i>Geissorhiza pappei</i>	ne
Indeterminate		<i>Gladiolus jonquilliodorus</i>	ne
		<i>Gladiolus martleyi</i>	ne
<i>Agathosma orbicularis</i>	ne	<i>Gladiolus pillansii</i> var <i>roseus</i>	ne
<i>Arctotheca forbesiana</i>	ne	<i>Gladiolus recurvus</i>	ne
<i>Carpacoce heteromorpha</i>	ne	<i>Grisebachia niveni</i>	ne
<i>Corycium bifidum</i>	ne	<i>Holothrix lithophila</i>	ne
<i>Corymbium salteri</i>	e	<i>Hypolaena stokoei</i>	e
<i>Cotula myriophylloides</i>	ne	<i>Lampranthus arbutnotiae</i>	ne
<i>Crassula decumbens</i> var <i>brachyphylla</i>	ne	<i>Lapeirousia corymbosa</i> ssp <i>alta</i>	ne
<i>Diascia heterandra</i>	e	<i>Lobostemon hottentoticus</i>	ne
<i>Erica quadrisulcata</i>	e	<i>Monadenia pygmaea</i>	ne
<i>Gladiolus carinatus</i>		<i>Ophioglossum bergianum</i>	ne
ssp <i>parviflorus</i>	ne	<i>Osteospermum wallianum</i>	e
<i>Gladiolus vigilans</i>	e	<i>Pentaschistis zeyheri</i>	ne
<i>Homoglossum merianellum</i> var <i>aureum</i>	e	<i>Phylica glabrata</i>	e
<i>Homoglossum merianellum</i> var <i>merianellum</i>	e	<i>Ranunculus capensis</i>	ne
<i>Hypodiscus alternans</i>	ne	<i>Schizodium obliquum</i>	e
<i>Ixia versicolor</i>	ne	<i>Selaginella pygmaea</i>	ne
<i>Monadenia physodes</i>	ne	<i>Tetraria brachyphylla</i>	ne
<i>Muraltia comptonii</i>	e	<i>Urginea pedunculata</i>	e
<i>Nemesia micrantha</i>	e	<i>Urginea revoluta</i>	ne
		<i>Watsonia rogersii</i>	e
		<i>Watsonia strictiflora</i>	ne
		<i>Witsenia maura</i>	ne

Area name: Caledon  
 Boundaries: 34-35S, 19-20E  
 Number of taxa listed: 257

Extinct		Pachites bodkini	ne
		Phylica parvula	ne
		Protea lanceolata	ne
		Protea minor	e
		Restio festucaeformis	ne
		Restio scaber	e
Erica turgida	ne	Sorocephalus crassifolius	e
Felicia annectens	ne	Spatalla enicoides	e
Gibbaeum esterhuyseniae	ne	Stoebe salteri	ne
Mimetes stokoei	e	Thamnochortus dumosus	e
Staavia trichotoma	e	Thamnochortus pellucidus	ne
Stylapterus micranthus	e	Thamnochortus pluristachyus	ne
Thamnea depressa	ne	Tritoniopsis flexuosa	e
Endangered		Rare	
Agathosma sedifolia	ne	Agathosma geniculata	ne
Elegia fenestrata	ne	Agathosma stokoei	ne
Erica jasminiflora	e	Aloe distans	ne
Euchaetis schlechteri	ne	Amphigena leptostachya	ne
Gladiolus emiliae	ne	Anaxeton brevipes	e
Hypodiscus paludosus	ne	Anaxeton hirsutum	e
Leptocarpus rigoratus var simulans	ne	Aspalathus excelsa	e
Leucadendron cryptocephalum	ne	Aspalathus stokoei	ne
Leucadendron elimense ssp vyeboomense	e	Berzelia dregeana	ne
Leucadendron elimense ssp elimense	e	Berzelia ecklonii	ne
Macrostylis cauliflora	e	Disa longifolia	ne
Moraea insolens	e	Disa micropetala	ne
Restio dodii var purpureus	ne	Disa pillansii	ne
Restio harveyi	ne	Disa tenuicornis	ne
Restio sabulosus	ne	Endonema lateriflora	e
Sorocephalus tenuifolius	ne	Endonema retzioides	e
Staavia zeyheri	e	Erica alfredii	e
Vulnerable		Erica comptonii	ne
Aspalathus smithii	ne	Erica dulcis	ne
Chondropetalum rectum	ne	Erica galgebergensis	e
Elegia prominens	ne	Erica hendricksei	e
Elegia verreauxii	ne	Erica insolitanthera	e
Erica aghillana	ne	Erica octonaria	e
Erica casta	ne	Erica parvulisepala	ne
Erica purgatoriensis	ne	Erica pauciovulata	e
Gladiolus guthriei	ne	Eulophia tabularis	ne
Glischrocolla formosa	ne	Gladiolus stokoei	e
Leucadendron elimense ssp salteri	e	Grammitis poeppigana	ne
Leucadendron globosum	e	Heliophila tricuspидata	ne
Leucadendron modestum	e	Homoglossum guthriei	e
Leucadendron platyspermum	e	Leucospermum pedunculatum	e
Leucadendron stelligerum	e	Mimetes capitulatus	ne
Lobostemon bolusii	ne	Mimetes palustris	ne
		Moraea barnardii	e
		Moraea cooperi	ne
		Muraaltia chamaepitys	e
		Nerine pudica	ne
		Nivenia levynsiae	ne
		Orthopenthea bodkini	ne

Orthopenthea minor	ne	Uncertain	
Osteospermum aciphyllum	ne		
Paranomus adiantifolius	ne	Acrolophia comosa	e
Phylica brevifolia	ne	Agathosma leptospermoides	ne
Prismatocarpus cordifolius	ne	Anaxeton virgatum	ne
Protea oleracea	ne	Arctotis dregei	e
Pseudobaeckea stokoei	e	Aristea palustris	e
Senecio coleophyllus	ne	Aristea recisa	ne
Serruria meisneriana	e	Aspalathus aciloba	ne
Sonderothamnus speciosus	e	Aspalathus burchelliana	ne
Sorocephalus alopecurus	ne	Aspalathus concava	e
Sorocephalus pinifolius	e	Aspalathus macrantha	ne
Stoebe humilis	ne	Aspalathus prostrata	ne
Thaminophyllum mundtii	e	Athanasia harmeri	ne
Thamnochortus guthrieae	e	Athanasia mundtii	ne
Willdenowia purpurea	ne	Babiana foliosa	e
		Berkheya angusta	e
Indeterminate		Bobartia longicyma ssp longicyma	e
Adenandra gracilis	e	Chasmanthe bicolor	ne
Adenandra odoratissima	e	Cliffortia carinata	ne
Adenandra schlechteri	e	Cliffortia crenulata	e
Agathosma abrupta	e	Cliffortia curvifolia	e
Agathosma orbicularis	ne	Cliffortia intermedia	ne
Arctotheca forbesiana	ne	Cliffortia monophylla	e
Carpacoce heteromorpha	ne	Cliffortia multififormis	ne
Cliffortia geniculata	e	Corycium venosum	ne
Corycium bifidum	ne	Crassula multiflora ssp leucantha	e
Diosma candida	e		
Erica hibbertia	ne	Cryptadenia laxa	e
Erica oligantha	e	Cullumia selago	e
Erica riparia	e	Diosma thyrsophora	ne
Eulophia litoralis	ne	Disa begleyi	ne
Euryops lasiocladus	e	Disa brachyceras	ne
Grisebachia incana	ne	Erica berzeloides	e
Hypodiscus alternans	ne	Erica cryptanthera	ne
Ixia patens var patens	ne	Erica diotaeflora	e
Leucadendron linifolium	ne	Erica gallorum	e
Lonchostoma esterhuyensiae	e	Erica kraussiana	e
Muraltia concava	e	Erica praenitens	e
Muraltia cuspidata	e	Erica pyrantha	e
Muraltia hirsuta	e	Erica rufescens	ne
Nivenia concinna	e	Erica trichophora	ne
Nivenia stokoei	ne	Erica trichophylla	e
Ornithogalum secundum	ne	Erica turrisburytonica	e
Oxalis burtoniae	ne	Erica xanthina	e
Polygala dasyphylla	e	Eriospermum fasciculatum	ne
Spatalla propinqua	ne	Eriospermum stoloniferum	ne
Spiloxene declinata	e	Felicia nigrescens	e
Staberoha multispicula	e	Geissorhiza geminata	ne
Tritoniopsis elongata	ne	Geissorhiza pappei	ne
Watsonia fergusoniae	ne	Gladiolus acuminatus	e



Gladiolus debilis		Roella cuspidata var	
var variegatus	e	hispida	ne
Gladiolus floribundus ssp		Roella lightfootioides	e
miniatus	ne	Selaginella pygmaea	ne
Gladiolus pillansii var		Senecio anthemifolius	ne
roseus	ne	Senecio trachyphyllus	e
Gladiolus subcaeruleus	e	Stoebe copholepis	e
Gladiolus tristis var		Stoebe cyathuloides	ne
concolor	ne	Stoebe schultzii	e
Grisebachia niveni	ne	Sutera cephalotes	ne
Harveya euryantha	e	Sutera cephalotes var glabrata	e
Helichrysum manopappum	e	Thaminophyllum multiflorum	e
Helichrysum simii	ne	Thamnochortus nervosus	e
Heliophila ramosissima	ne	Venidium angustifolium	ne
Herschelia charpentierana	ne	Wahlenbergia bolusiana	e
Hippia hirsuta	ne	Wahlenbergia serpentina	ne
Holothrix lithophila	ne	Watsonia caledonica	ne
Homoglossum vandermerwei	ne	Watsonia pauciflora	e
Ixia bellendenii	ne	Witsenia maura	ne
Lampranthus arbuthnotiae	ne		
Liparia splendens	ne		
Lobelia capillipes	e		
Lobelia disperma	e	Area name: Bredasdorp	
Lobelia laurentioides	e	Boundaries: 34-35S, 20-21E	
Lobostemon collinus	ne	Number of taxa listed: 96	
Lobostemon grandiflorus	ne		
Lobostemon inconspicuus	e	Extinct	
Lobostemon lucidus	ne		
Mairia decumbens	ne	Gibbaeum esterhuyseniae	ne
Marasmodes oligocephalus	ne		
Metalasia bodkinii	e	Endangered	
Monadenia pygmaea	ne		
Muraltia capensis	e	Agathosma sedifolia	ne
Muraltia gillettiae	e	Euchaetis schlechteri	ne
Muraltia pottebergensis	ne	Leucadendron cryptocephalum	ne
Muraltia spicata	e	Leucadendron ericifolium	ne
Nivenia dispar	e	Restio dodii var purpureus	ne
Oxalis duriuscula	ne		
Pentameris obtusifolia	e	Vulnerable	
Pentzia trifida	ne		
Phylica amoena	e	Aspalathus smithii	ne
Phylica anomala	e	Cyrtanthus guthrieae	e
Phylica apiculata	e	Erica aghillana	ne
Phylica burchellii	e	Erica casta	ne
Phylica diosmoides	e	Gladiolus guthriei	ne
Phylica floribunda	ne	Muraltia calycina	e
Phylica incurvata	e	Phylica parvula	ne
Phylica laevifolia	e	Stapelia divaricata	ne
Phylica laevis	e	Thamnochortus muirii	ne
Phylica linifolia	e	Thamnochortus pluristachyus	ne
Phylica lucida	ne		
Pteronia scabra	e	Rare	
Pteronia tenuifolia	e		
Rhigiophyllum squarrosum	e	Agathosma dielsiana	ne
Roella bryoides	ne	Agathosma geniculata	ne

Apodolirion lanceolatum	ne	Gladiolus maculatus ssp	
Brachysiphon mundii	e	hiburnus	ne
Caryotophora skiatophytoides	e	Gladiolus tristis var	
Diosma passerinoides	ne	concolor	ne
Erica uysii	e	Grisebachia niveni	ne
Galium bredasdorpense	e	Homoglossum vandermerwei	ne
Geissoloma marginatum	ne	Lachenalia muirii	ne
Klattia partita	ne	Lampranthus arbuthnotiae	ne
Leucadendron coriaceum	ne	Lightfootia microphylla	e
Leucospermum fulgens	e	Lightfootia squarrosa	ne
Osteospermum elsieae	e	Lobostemon collinus	ne
Osteospermum hafstroemii	e	Lobostemon gracilis	ne
Phylica brevifolia	ne	Lobostemon grandiflorus	ne
Roella rhodantha	e	Muraltia pappeana	ne
Stoebe muirii	ne	Muraltia pottebergensis	ne
Stylapterus ericifolius	ne	Oxalis duriuscula	ne
		Oxalis heidelbergensis	ne
Indeterminate		Pectinaria stayneri	e
		Pentzia trifida	ne
Aspalathus barbiger	e	Phylica floribunda	ne
Crassula decumbens var		Phylica laevigata	ne
brachyphylla	ne	Phylica lasiantha	e
Haworthia rubriflora	ne	Phylica lucida	ne
Holothrix pilosa	ne	Polycarena multifolium	ne
Leucadendron linifolium	ne	Prismatocarpus spinosus	e
Polygala pottebergensis	e	Relhania garnotii	ne
Protea denticulata	e	Roella cuspidata var	
Trichodiadema pygmaeum	e	hispid	ne
Watsonia fergusoniae	ne	Senecio anthemifolius	ne
		Senecio rehmanni	ne
Uncertain		Stilpnophytum oocephalum	ne
		Stoebe cyathuloides	ne
Acmadenia cucullata	e	Sutera cephalotes	ne
Acmadenia densifolia	ne	Sutera infundibuliformis	ne
Agathosma linifolia	ne	Watsonia caledonica	ne
Anaxeton virgatum	ne		
Anisodonteia dissecta	ne		
Aristea simplex	ne		
Aspalathus aciloba	ne	<u>Area name: Riversdale</u>	
Aspalathus burchelliana	ne	<u>Boundaries: 34-35S, 21-22E</u>	
Aspalathus grobleri	e	<u>Number of taxa listed: 62</u>	
Aspalathus hypnoides	ne		
Aspalathus obtusifolia	ne	Endangered	
Aspalathus pallescens	e		
Aspalathus prostrata	ne	Disa stokoei	ne
Athanasia mundtii	ne	Euryops muirii	e
Bobartia longicyma ssp		Gladiolus emiliae	ne
microflora	e	Satyrion muticum	ne
Cliffortia longifolia	ne		
Diosma eckloniana	e	Vulnerable	
Felicia ebracteata	e		
Gladiolus bilineatus	ne	Erica casta	ne
Gladiolus engysiphon	ne	Muraltia barkerae	e
Gladiolus floribundus ssp		Protea lanceolata	ne
miniatus	ne	Stoebe salteri	ne
		Thamnochortus muirii	ne
		Tylecodon cacalioides	ne

Rare		Relhania garnotii	ne
		Relhania steyniae	e
Agathosma dielsiana	ne	Roella latiloba	ne
Apodolirion lanceolatum	ne	Selaginella pygmaea	ne
Diosma passerinoides	ne	Senecio microspermus	ne
Lampranthus rustii	e	Senecio muirii	e
Leucadendron coriaceum	ne	Wahlenbergia tumida	ne
Leucadendron galpinii	e		
Leucospermum muirii	e		
Paranomus diversifolius	ne		
Stoebe muirii	ne		
		<u>Area name: Mossel Bay</u>	
		<u>Boundaries: 34-35S, 22-23E</u>	
		<u>Number of taxa listed: 14</u>	
Indeterminate			
Adenandra odoratissima ssp tenuis	e	Endangered	
Agathosma gnidiiflora	e	Diosma aristata	e
Agathosma pallens	e	Satyrium muticum	ne
Haworthia marginata	e		
Holothrix pilosa	ne	Vulnerable	
Heurnia praestans	ne		
Leucadendron linifolium	ne	Thamnochortus muirii	ne
Leucospermum praecox	e		
Watsonia fergusoniae	ne	Rare	
Uncertain		Agathosma dielsiana	ne
		Gladiolus gueinzii	ne
Acmadenia densifolia	ne		
Agathosma scaberula	e	Uncertain	
Aspalathus aciloba	ne		
Aspalathus arenaria	e	Aspalathus obtusifolia	ne
Aspalathus campestris	ne	Cyphia tortilis	e
Aspalathus candidula	e	Erica pearsoniana	ne
Aspalathus obtusifolia	ne	Geissorhiza burchellii	ne
Aspalathus odontoloba	e	Herschelia multifida	ne
Aspalathus quadrata	e	Liparia splendens	ne
Aspalathus vulpina	ne	Pentaschistis burchellii	e
Bulbine minima	ne	Stapelia bijliae	e
Cyphia dentariaefolia	ne	Wahlenbergia ciliolata	ne
Diascia dielsiana	e		
Disa falcata	e		
Erica pearsoniana	ne		
Eroeda muirii	e		
Gibbaeum angulipes	ne	<u>Area name: Knysna</u>	
Gladiolus maculatus ssp hiburnus	ne	<u>Boundaries: 34-35S, 23-24E</u>	
		<u>Number of taxa listed: 4</u>	
Helichrysum cochleariforme	ne	Endangered	
Lachenalia muirii	ne		
Lightfootia multiflora	e	Satyrium muticum	ne
Lightfootia planifolia	ne		
Lightfootia squarrosa	ne	Indeterminate	
Metalasia erectifolia	e		
Muraltia pappeana	ne	Agathosma alaris	e
Phyllica laevigata	ne		
Ranunculus capensis	ne		

Uncertain

*Acmadenia alternifolia*  
*Erica keetii*

ne  
ne

Area name: Humansdorp  
Boundaries: 34-35S, 24-25E  
Number of taxa listed: 14

Vulnerable

*Dierama pulcherrimum*  
*Encephalartos caffer*  
*Encephalartos longifolius*  
*Rapanea gilliana*

ne  
ne  
ne  
ne

Rare

*Cyrtanthus loddigesianus*  
*Gladiolus gueinzii*

ne  
ne

Indeterminate

*Kniphofia citrina*  
*Othonna membranifolia*

ne  
ne

Uncertain

*Acmadenia densifolia*  
*Agathosma unicarpellata*  
*Brachycorythis macowaniana*  
*Gazania caespitosa*  
*Lamprocaulos schlechteri*  
*Osteospermum pterigoideum*

ne  
ne  
ne  
ne  
e  
ne

Area name: Skoenmakerskop  
Boundaries: 34-35S, 25-26E  
Number of taxa listed: 1

Vulnerable

*Cyrtanthus spiralis*

ne

## DISCUSSION OF FINDINGS

The statistical findings in this report should be seen as currently likely approximations, due to the preliminary nature of the survey over most of the area of southern Africa, the large number of indeterminate and uncertain cases still to be studied in the field, unresolved taxonomic problems, and the rapidly worsening status of some species. An important problem is that collecting and field-study intensities have been low for numbers of taxonomic groups and areas, for some time. It is hoped that the threatened plant surveys being mounted in several parts of southern Africa will remedy this.

Table 3 indicates that the Cape Province has by far the greatest number of plants in hazard of any region of southern Africa. Map 1 shows this in greater detail. The highest concentrations occur in the extreme south-west, while in the immediate interior the numbers fall off sharply to near-zero levels. Other concentrations exist in Namaqualand in the north-western Cape Province, in parts of the eastern Cape and Natal, and along the easterly escarpments and mountains of the Transvaal. In general, most of these concentrations coincide with areas of increased local endemism. Local endemics with small ranges of distribution are especially sensitive to damage from the widespread impacts of humanity. This sensitivity may be more acute when the plants need a specialised habitat such as a wetland, that may itself be unusually prone to drastic alteration.

By far the worst area for threatened and rare plants is the small region of the Cape Floristic Kingdom. This is less than one percent of the area of southern Africa, yet it carries 65 percent of southern Africa's threatened and rare plants. As a crisis zone for threatened plants, it probably has the highest concentration of any temperate area in the world, rivalling Hawaii in the tropics which has 1 113 endangered, threatened and recently extinct taxa (Ayensu and DeFilipps 1978).

Studies are in hand to show the chief patterns of threat factors for species in various areas. Table 4 gives some initial results, for a small sample of 70 taxa from the south-western Cape Province. Direct human impacts, agriculture, development of urban and industrial facilities and plant collecting account for 49 percent of the threats. Invasive alien plants account for another 33 percent: notable here is the especially destructive role apparently played by the thicket-forming Australian Acacias. Natural pressures make up a remaining 18 percent: nearly six percent of the sample of seventy species appear to have been made extinct from such causes.

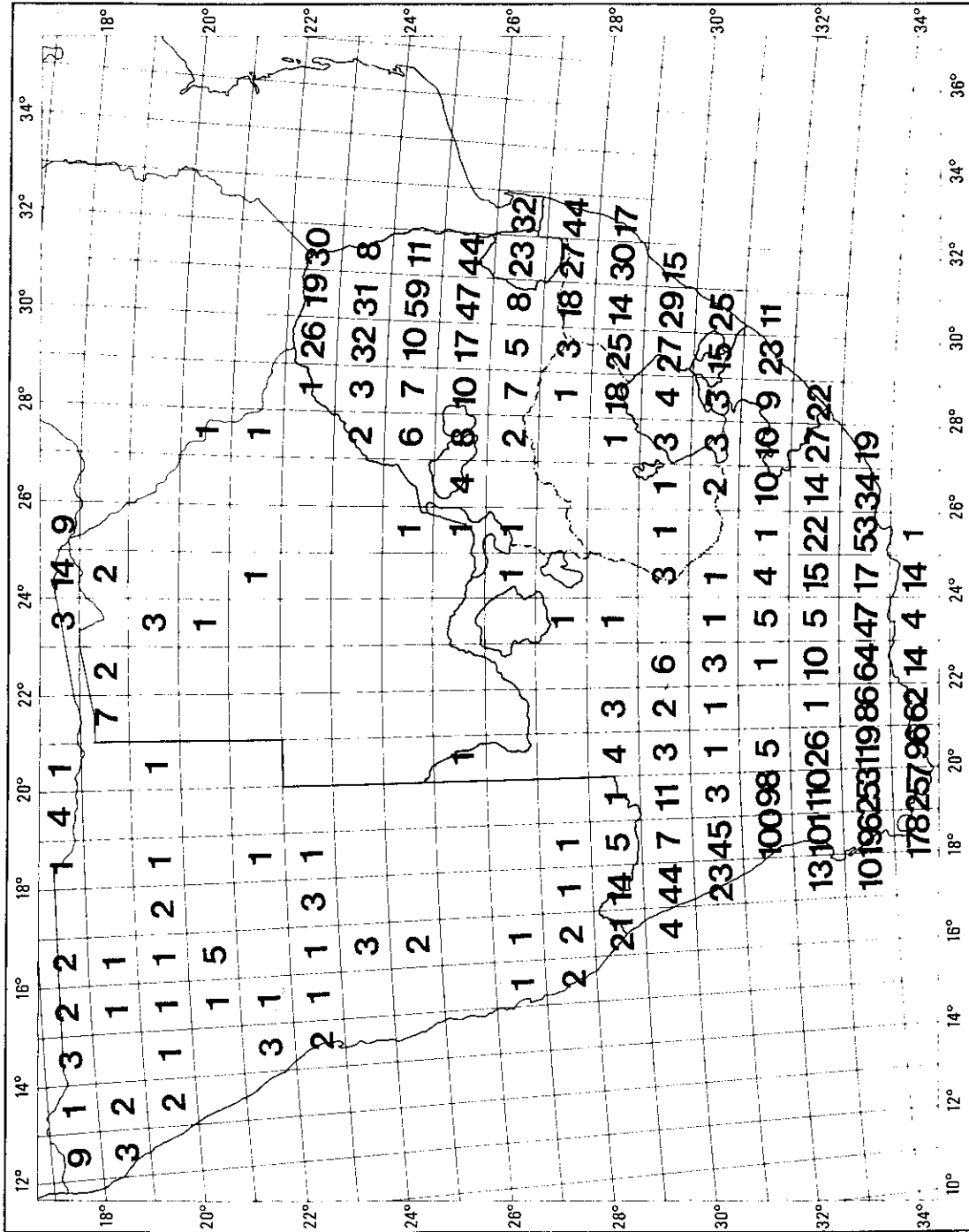
Table 5 shows a taxonomic analysis of the more threatened families in southern Africa. Perhaps most significant are the three endemic families, each with high proportions of taxa in hazard: Penaeaceae (43 percent), Bruniaceae (18 percent) and Geissolomaceae (100 percent: only one rare species). Many other important families, especially in the Cape Floristic Kingdom, have a fifth or more of their southern African species under threat, notably the Proteaceae (33 percent), the Restionaceae (31 percent) and the Iridaceae (22 percent). Perhaps the

most serious case of all is the threat to the Cycads (Encephalartos spp: Zamiaceae) of which all 28 of the southern African species are listed as rare, extinct or threatened.

Finally, it is important to know whether there have been any changes in the rate of plant extinction, in the same way as recorded for the United States of America by Opler (1977). An indirect guide to this is given by the dates on which recently extinct plants were last recorded as vouchers in herbarium collections. These dates are known for 34 of the 39 extinctions of plants in southern Africa, and they are given as a frequency histogram for 20-year periods in Figure 1. The weakness of this method is that it has probably been strongly affected by varying collecting intensities over the years. Nevertheless, there is a marked resemblance to Opler's histogram and surveys currently in hand will doubtless greatly strengthen knowledge on this important topic. In particular it is likely to raise substantially the columns in the histogram in the period from 1940 to the present. Any conclusions from the shape of the histogram in Figure 1 must be regarded as speculative.

Table 3. Summary of the geographical distribution of recently extinct, threatened and rare vascular plants in southern Africa. The boundaries of regional areas are defined approximately by 1x1-degree units of latitude and longitude. Codes are as defined on page 9: X = extinct, E = endangered, V = vulnerable, R = rare, I = indeterminate, U = uncertain if safe or not.

Region, with its % of area of southern Africa	Numbers of taxa in hazard							% in region
	X	E	V	R	I	U	Total	
Southern Africa (100%)	39	105	166	537	261	807	1 915	100
Cape Province (25%)	36	96	125	336	237	672	1 502	78
Cape Floristic Kingdom (< 1%)	35	90	110	280	185	544	1 244	65
Transvaal (10%)		5	14	117	12	68	216	11
Natal (3%)	3	1	21	84	18	41	168	9
Transkei (1%)		1	12	30	8	23	74	4
South West Africa (31%)			2	21	6	27	56	3
Orange Free State (5%)			4	9	1	9	23	1
Swaziland (< 1%)			1	10	6	6	23	1
Botswana (22%)			1	6		8	15	1
Bophuthatswana (2%)		2	2	7		1	12	1
Lesotho (1%)			2	3		2	7	1



T.S.O. Misc. 8091



Map I. Geographical distribution of recently extinct, threatened and critically rare taxa in Southern Africa : numbers of taxa in 1 x 1 - degree areas of latitude and longitude.



Table 4. Pressures causing extinction or threatening the survival of species: summary of threat statistics for a sample of 70 taxa from the south-western Cape Province.

Threat	Number of cases of threats				Total	%
	Extinct	Endangered	Vulnerable	Total		
Agriculture: ploughing, grazing, burning	1	13	10	24	18	
Industry, roads, urban development, mining	8	11	10	29	22	
Plant collecting, wild flower picking	1	8	3	12	9	
Invasive alien plants						
Pinus spp	1	8	2	11	8	
Acacia spp	0	18	12	30	23	
Hakea spp	0	1	2	3	2	
Natural fires, pathogens, genetic factors etc	5	16	3	24	18	

Table 5. Vascular plant families with high proportions of threatened and rare species in southern Africa.

Family	Threatened and rare species in southern Africa, given as:		
	Total in southern Africa	Southern Africa	Percentage of family's species in: World
Geissolomaceae	1	100	100
Zamiaceae	28	100	35
Pernaceae	10	43	43
Rhamnaceae	49	35	5
Amaryllidaceae	66	32	6
Proteaceae	116	33	12
Restionaceae	62	31	19
Oxalidaceae	50	25	6
Orchidaceae	116	24	< 1
Rutaceae	62	23	7
Iridaceae	188	22	11
Campanulaceae	82	22	1
Burriaceae	14	18	18
Liliaceae	103	12	3
Ericaceae	92	12	3
Asclepiadaceae	81	12	4
Compositae	184	9	< 1

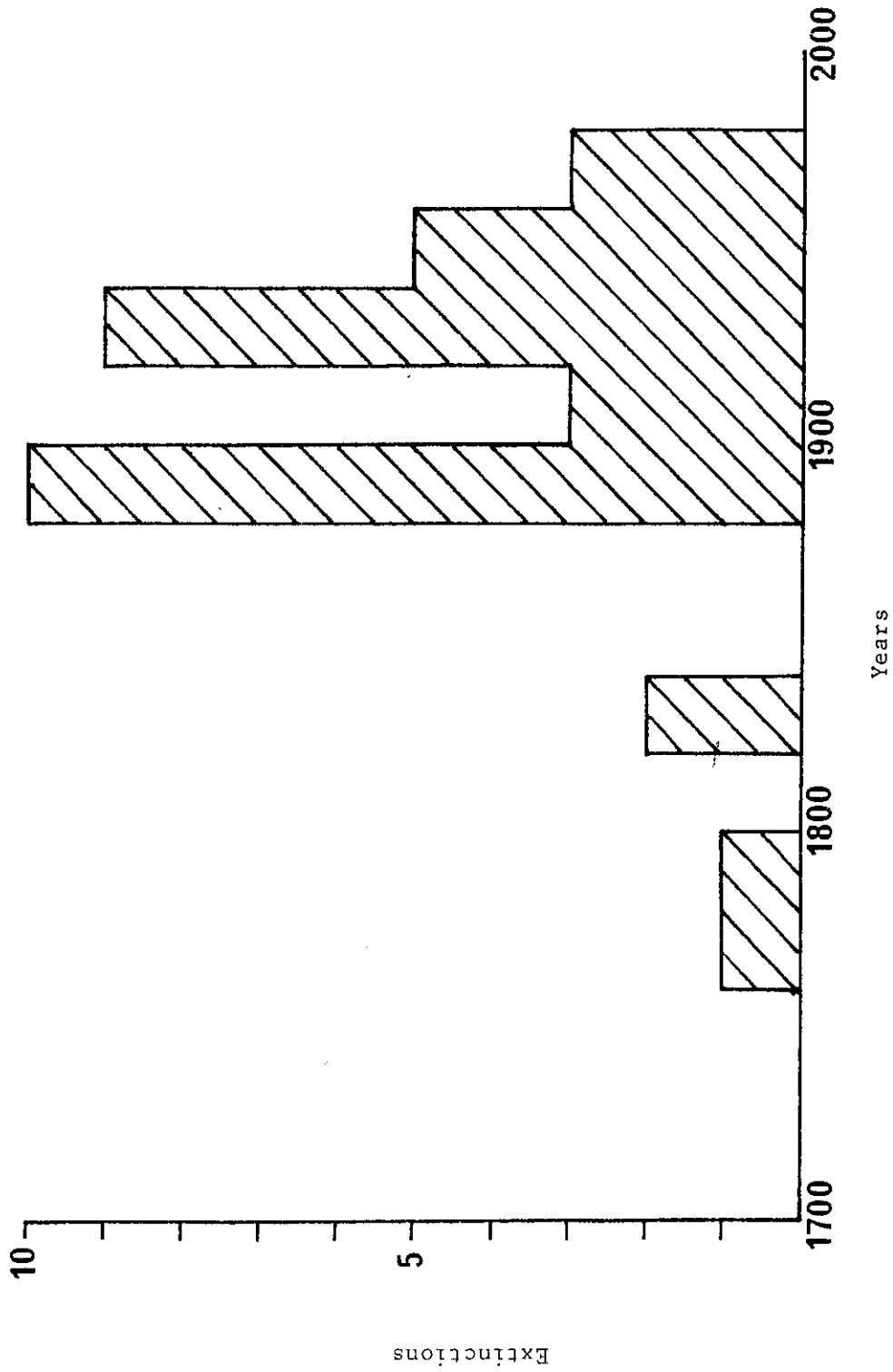


Figure 1. Vascular plant extinctions in Southern Africa : the distribution of years in which recently extinct plants were last recorded in herbarium collections, for 34 of the 39 known extinctions in the region.

Table 6. Taxonomic distribution of recently extinct, threatened and critically rare taxa in southern Africa

	<u>Number of taxa</u>
<u>Pteridophyta</u>	
Selaginellaceae	1
Isoetaceae	2
Ophioglossaceae	1
Marsileaceae	1
Adiantaceae	3
Grammitidaceae	1
Thelypteridaceae	1
<u>Total for Pteridophyta:</u>	10
<u>Gymnospermae</u>	
Zamiaceae	28
Cupressaceae	1
<u>Total for Gymnospermae:</u>	29
<u>Angiospermae: Monocotyledonae</u>	
Aponogetonaceae	1
Gramineae	16
Cyperaceae	1
Arecaceae (Palmae)	4
Araceae	3
Restionaceae	64
Juncaceae	1
Liliaceae	111
Amaryllidaceae	66
Velloziaceae	1
Iridaceae	227
Musaceae	1
Strelitziaceae	1
Zingiberaceae	2
Burmanniaceae	1
Orchidaceae	118
<u>Total for Monocotyledonae:</u>	618
<u>Angiospermae: Dicotyledonae</u>	
Ulmaceae	1
Moraceae	4
Urticaceae	2
Proteaceae	122
Mesembryanthemaceae	74

Cabombaceae	1
Nymphaeaceae	1
Ranunculaceae	1
Annonaceae	4
Lauraceae	3
Cruciferae	13
Capparaceae	6
Crassulaceae	41
Bruniaceae	14
Rosaceae	16
Connaraceae	1
Leguminosae	81
Oxalidaceae	58
Linaceae	1
Rutaceae	62
Simaroubaceae	1
Burseraceae	2
Meliaceae	3
Malpighiaceae	1
Polygalaceae	25
Dichapetalaceae	1
Euphorbiaceae	28
Anacardiaceae	6
Celastraceae	7
Sapindaceae	8
Greyiaceae	1
Rhamnaceae	50
Tiliaceae	1
Malvaceae	7
Sterculiaceae	7
Ochnaceae	1
Clusiaceae (Guttiferae)	1
Canellaceae	1
Flacourtiaceae	4
Passifloraceae	1
Begoniaceae	1
Geissolomaceae	1
Penaeaceae	11
Thymelaeaceae	8
Lythraceae	1
Rhizophoraceae	4
Combretaceae	4
Myrtaceae	2
Ericaceae	92
Myrsinaceae	2
Plumbaginaceae	2
Sapotaceae	1
Ebenaceae	2
Oleaceae	3
Buddlejaceae	1
Apocynaceae	9
Asclepiadaceae	85
Convolvulaceae	2
Boraginaceae	13
Labiatae	1
Solanaceae	1

Scrophulariaceae	43
Pedaliaceae	1
Gesneriaceae	6
Acanthaceae	12
Rubiaceae	16
Cucurbitaceae	2
Campanulaceae	82
Compositae	188
<u>Total for Dicotyledonae:</u>	1 258
<u>Total for Angiospermae:</u>	1 876
<u>Total for all groups:</u>	1 915

## CONSERVATION PERSPECTIVES

### WHY CONSERVE?

The International Convention on International Trade in Endangered Species of Wild Animals and Plants, which is administered by the IUCN and which has been signed by some 38 countries, states that 'wild fauna and flora, in their many beautiful and varied forms, are an irreplaceable part of the natural systems of the earth which must be protected for this and the generations to come'. The Convention states further (Anon 1973, Lucas 1976) that the contracting states are 'conscious of the ever-growing value of wild fauna and flora from aesthetic, scientific, cultural, recreational and economic points of view'. How do the Convention's guiding principles apply in southern Africa?

### Natural extinction in the past

Natural extinction forms a major part of the processes that have combined to produce the world's present fauna and flora. Indeed, with the living species totalling perhaps much less than one percent of all those that have ever existed, natural extinction has been a most conspicuous phenomenon when all past ages are taken together (Mayr 1963). The present wave of extinction caused by humanity was preceded by high rates of species loss in the climatic stresses of the Pleistocene period. About 1,6 million years ago, the world's climate entered a long-enduring colder phase, with 'spikes' of warmth, lasting a few millenia, appearing in cycles of about ninety thousand years (Haq et al 1977). In the north temperate latitudes, of the world this had disastrous effects on plant and animal life. Over large areas, many plants and animals experienced intense cold and expanding ice sheets. Many species perished, while others endured the dual problems of coldness and alternating periods of warmth, maybe with drought. The present warm phase has lasted about eleven thousand years and the north temperate floras still seem to be in a state of recovery (Good 1964). It is not known how long the present warm phase may last (Gribbin, 1978).

For southern Africa, the world's cooler temperatures in the Pleistocene are thought to have brought northward a rain-bearing wind belt known by mariners today as the 'roaring forties' and to have given frequent depressions with a cooler and wetter climate over much of southern Africa (Van Zinderen Bakker 1976). Large areas of the present grassland, desert and semi-desert may have been covered by sclerophyllous woodland and patches of savanna (Axelrod and Raven 1978). The rich fynbos flora of the Cape Floristic Kingdom would have been somewhat limited in its present area by an expansion of the temperate rainforests, which today stand as remnants in mountain kloofs and as large patches in the Knysna summer and winter rainfall area. Relicts of fynbos on mountains above 900 - 1 200 m in Namaqualand and the Karoo suggest that this flora may have largely survived the moist Pleistocene periods by spreading northwards (Levyns 1964, Axelrod and Raven 1978). At the onset of a moist period, the dry-area floras in places like the Karoo would have been invaded on a vast scale.

Competitive pressures may well have brought many species to extinction. The opposite would have happened in a dry spell, with the moist-area species either surviving in relict patches, or migrating to wetter places such as along the coast, or becoming extinct.

#### Past renewals of natural diversity

Evolutionary forces could have brought renewals of natural diversity after the crisis of each climatic change. Relict populations of plants, protected by local patches of congenial climate in mountains or escarpments, could have persisted and developed reproductive isolation from their parent species. On the return of amenable conditions, they could radiate independently into new forms. The relict survivors would have to be numerous enough to avoid extinction due to chance pressures, and rich enough in the necessary genetic variation for the action of natural selection. It has been suggested that a fluctuating climate can regenerate diversity like a 'species-pump' (Valentine 1967, Stebbins 1974) and conditions in some parts of southern Africa would have been most suitable for it.

#### Humanity: More extinction, less renewal of diversity?

It is in the present warmer period after the Pleistocene that human impact has appeared on a large scale. In a brief moment of biological time, humanity has reduced the habitats of wild species to scattered fragments in most landscapes. The rate of extinction has increased, and the futures of hosts of surviving plants now stand in question. The suddenness of this has left no time for evolutionary renewal of diversity. The net effect has been floristic and faunistic impoverishment.

Conditions in southern Africa today often oppose the long-term survival of natural diversity. The region has in some parts seen a major amount of floristic simplification and there is every sign that this will spread in certain key areas. A large share of the simplification is due to invasions by weeds, brought from other countries, which have taken hold over vast areas (Stirton 1978). Some of the invaders are capable of massive suppressions of wild plants. For example, it has been estimated that without proper control of the invasive Australian Acacia, Hakea, Leptospermum and other weeds in the south-western Cape, the species-rich fynbos flora of that area would vanish in most places within a hundred years (Hall and Boucher 1977). Similarly monocultures of farm and timber crops, important to human survival and development, have reduced the areas left for natural diversity, extensively in some of the moister areas but hardly at all in the drier areas. About 60 percent of the area for the fynbos of the Cape Floristic Kingdom has been lost to farming, forestry and other land uses. This flora survives in patches on the flats and along mountain chains in which one may expect an increased rate of extinction among species and critical populations, as indeed is shown by this report. The area probably has the highest concentration of threatened species of any temperate region in the world (P H Raven pers comm).



### Future plant evolution

Most plants, whether rare or not, have the potential for increasing their numbers when conditions are favourable. For rare plants, these conditions may not exist at present. When in future they do, some could flourish and perhaps perform some important rôles in the ecosystem. To allow rare plants to become extinct is to threaten this flexibility. For each plant species that becomes extinct there may be on average a ten to thirty-fold loss of other dependant organisms, including insects closely adapted to particular food and habitat preferences to one or a few plant species (Raven 1976). A consequence of such simplification could be future waves of invasion by organisms that would go unchallenged by the biological controls that could develop from the great reservoirs of diversity of more intact past ecosystems.

### Value to humanity

We know too little of the biology of rare plants to be able to evaluate their actual or possible rôles and value in ecosystems. Some of today's rare species might become common and important in future ecosystems. Intricate relationships may give rare species an important controlling rôle, perhaps as hosts to pathogens of potential invaders. Mature ecosystems have these relationships well developed, giving healthy plant covers that can resist disruptions such as soil erosion.

The possibilities of some rare plants having unrecognised values to humanity as future sources of food, medicines or other materials are often cited as a reason for their conservation (Smithsonian Institution 1975, Ayensu and DeFilipps 1978). Thompson (1975a) has called for caution on this, pointing out that the chances of finding really useful plants among the rarities are too slim for this to be a powerful argument. However, in southern Africa, the potential value of the natural flora has scarcely been investigated at all. In a recent five-year period a survey indicated that about 60 percent of the southern African species of eleven plant families could show anti-cancer activities (Edwards 1976) and local medicinal uses of southern African plants have shown promising leads for new curatives among a vast array of species (Watt and Breyer-Brandwijk 1962).

Rare plants attract a surprising interest among visitors and tourists. Many people go to great lengths in the pursuit of the unique. Apart from satisfying natural curiosity, this helps to lend personal distinctiveness in the daily uniformity of urban living. Such interests can give at least a few rare plants a special value to the community. Smith (1976) has noted that the extinction of a plant or animal may mean the virtual loss of a cultural entity. This over-states the case for little-known species. However, it accurately describes the long-standing sense of loss when a vanished plant or animal had been known for its special beauty or other prized aesthetic qualities.

For tourists, southern Africa's plants, the rarities included, rank as a major source of interest. Ferrario (1978) found that in a sample of 5 053 tourists leaving for home after a visit to southern Africa, the highest three categories of attraction had been scenery, wild animals and natural vegetation. A properly conserved flora appears to be a valuable earner of foreign exchange.

In horticulture, the blushing bride, Serruria florida (Proteaceae), is one of a number of plants threatened in the wild but now cultivated for cut flowers and as a garden ornamental. It is reduced in the wild to a number of scattered groups of plants with a dozen or so individuals in each (F J Kruger pers comm). In cultivation, it has helped establish, with other wild species, a cut-flower export trade that has grown to earnings of over R3 000 000 per annum. For most species, 80 percent of the flowers are cut from wild plants, chiefly from the area of the Cape Floristic Kingdom (Edwards 1976). Other causes have depleted this vegetation which is already under pressure from the present dry period after the Pleistocene. The extra pressure of the cut flower industry could soon put its target species into decline. The recent cutting of large amounts of the wood-coned leucadendron, Leucadendron platyspermum (Proteaceae), now known to be a vulnerable species, is an example. Plants depleted by horticulture include the cycads, succulents, bulbous and cormous plants.

Plants provide a wide array of other materials besides foods, medicines and ornamentals. These include fibres, fuels, timbers, gums and perfumes. They may have special functions such as the nitrogen-fixing ground covers for soil improvement, or the well-adapted succulents for emergency grazing in times of drought. The rich flora of the south-western Cape thrives on apparently nutrient-poor soils, suggesting a potential use on infertile land elsewhere. Conserving the rarities listed in this report will hold open the widest range of options for finding plants adapted for these tasks in the future.

Conserving rare plants ensures as broad a base as possible for future scientific study. Examples of concern in this are the families Bruniaceae and Penaeaceae which are found mostly in the Cape Floristic Kingdom and nowhere else in the world. About a fifth of the species of Bruniaceae and a half of the Penaeaceae have had to be listed among the threatened and rare plants in this report. The extinction of such plants would mean an irreplaceable loss of important scientific evidence. Scientists in southern Africa have a duty towards their colleagues elsewhere not to let this happen.

#### CONSERVATION STRATEGIES

It might seem at first sight that one could conserve most threatened species by planting them out in protected sanctuaries. However, threatened plants pose special problems that are not well understood (Simmons et al 1976). These problems must be solved if southern Africa's threatened plants are to be given better chances of survival on at least a thousand-year time-scale.

### Conservation of habitats

It is often stressed that the first priority in conserving a threatened plant is to give it a secure natural habitat (Smithsonian Institution 1975, Budowski 1976, Raven 1976). The habitat should have all the essential amenities and pressures that the plant had known in the wild state over many previous generations. These amenities and pressures may be difficult to define and, if necessary, reproduce. The factors are more complex than the regimes of soil, water, light and temperature that are given to plants in cultivation. Although some plants seem to 'survive' well away from their natural home, the substitution of quite new selection pressures for the old should eventually cause them to change. How many generations would be needed for the rare plant to become no longer the same species, genetically if not morphologically?

For example, certain animals may be essential for the future survival of a threatened species. Pollinators, seed-dispersers and predators on the pests that attack the plant, may all perform essential tasks that allow it to grow, reproduce, and survive in sufficiently large numbers (Gilbert and Raven 1975). Reducing the action of any one of these agents may cause the threatened plant to slide inexorably towards extinction. It follows that the populations of the associates should be vigorous enough for their long-term survival with the threatened plant. To maintain this vigour it may be necessary to conserve them in areas rather larger than that of the threatened plant, especially where local or distant migrations are a required part of their life-history. This hypothesis requires painstaking, case-by-case research to find out which animal associates play an essential role. Until this has been done, the policy should be to conserve substantial areas around the threatened plant as a safety measure.

### Conservation of genetic diversity

Another priority is to conserve enough genetic variability to enable the plant to survive natural hazards in the future. This variability is held among the populations of a species which more or less share, through sexual reproduction, a common collection of the units of variation known as a gene pool. If the gene pool becomes depleted there is a greater risk of the expression of deleterious genes in the descendants. Even short-term survival may be genetically at risk, or even unlikely, if a population drops below some threshold number of individuals (Mayr 1963). The practical problem is to know what the safe numbers should be, for each species. There is still very little information on this (Mayr 1963, Thompson 1975b, Frankel 1976). The requirements of each species may differ, and there are certainly some exceptional cases where vast populations are known to have come from only one or two individuals. Notable here is the world population of laboratory hamsters that originated from a single pair. Population-genetic studies are needed to show what numbers constitute a critical safe minimum, and how this is likely to vary from one species to another. Until this is done, conservation will be groping in the dark on the fundamental problem of the minimum sizes of nature reserves. For the present, the hypothesis must remain in favour of conserving as many individuals and populations of threatened and rare plants as possible.

Conserving separate natural populations of a plant should usually give a higher chance of survival than either acting on one alone, or merging them together. A single population may be prone to extinction from a local intense pressure sweeping continuously through it, destroying all its members. An example is a set of fires, following too rapidly on one another to give the plant a chance of renewing its seed-store in the soil, which by successive waves of germination may become completely used up. Because of the distinct genetic histories and environments of separated populations, they will probably carry differing gene pools. This diversity gives natural selection a broader base on which to act. The base is extended if variation in each population is enriched by an occasional flow of new gene combinations from the others. Selection in this way is likely to increase the vigour of the threatened species, helping to prepare it for surviving future hazards. Diamond (1975) and Hummel (1978) have taken the layout of populations further, and have proposed idealised geometries for the boundaries of sanctuaries. Such work supports the now widely held concern for conserving mosaics of genetic diversity (Frankel 1970, Simmons et al 1976, J C Greig pers comm).

#### Saving critically threatened species

The principle of keeping populations largely isolated may not hold where only depleted fragments remain. Like the populations at the margins of a species' area, these fragments may have a limited chance of survival (Soulé 1973). If the remnants are likely to be below a minimum safe size for genetic viability, there may be good justification for reducing the isolation between them or even merging them completely. Judging whether to do this or not will rest on other factors as well, notably the kind of impacts to be expected in the resulting population's habitat.

Because of the present uncertainty about how the minimum genetically viable population-size may vary from one species to another, it seems important not to be dissuaded from trying to rescue a severely depleted population. One such case is the beautiful blue and violet-flowered Loubser's *Moraea*, *Moraea loubseri* (Iridaceae), discovered in 1973 at the edge of a quarry near Saldanha. The quarrying could not be halted and the habitat was destroyed, making the plant extinct in the wild. Seed was collected from the population shortly after its discovery and the plant was found to grow well in cultivation. It will be interesting to see if the gene-pool in the cultivated plants will be large enough for the species to be established successfully in a wild sanctuary near its former home.

Considerations of gene-pool sizes also affect the storage of seed of critically threatened plants. Such seed can be stored as an insurance against the total loss of the plant in the wild (Thompson 1975b). In a minimal procedure, the seeds are collected, cleaned, dried over anhydrous silica gel for four weeks at 5°C and then placed in the seed-bank at -25°C. For a temporary seed-bank at the University of Cape Town, 300 to 600 seeds are being kept in this way for each of a number of species. The seeds are collected from the wild using as far as possible the sampling patterns suggested by Hawkes (1976). Where there is no risk to reducing the regeneration of the threatened plant,

the higher numbers of seeds are preferred. They not only give a better sampling of genetic variation but can withstand losses due to deterioration in storage. It is eventually hoped to expand this operation with proper seed-testing facilities.

#### Planning a sanctuary for threatened plants

What do these hypotheses suggest as the ideal sanctuaries for threatened plants? The survival habitat should be chiefly in the plant's former home, with outlying populations close enough to permit occasional gene exchange. Both the main and the supplementary habitats should be large enough to carry populations of the plant that are well above a minimum critical size for viability. They must include any extra areas needed to support vigorous populations of required associates. Research and management should be aimed at restoring former elements of the habitat and excluding those that are artificial. A census of the plant should be taken regularly, to show the rates of recruitment and recovery, and patterns of mortality. In many cases, buffer-zones around the habitat may be needed to fend off the worst effects of impacts such as invasions by weeds, insecticide-drifts that may kill pollinators, or salinization of ground-water by fertilizers. The buffer-zones could carry cleared belts to allow the maintenance of a desirable burning regime, independently of the surrounding countryside. These conditions may be unobtainable in areas where relicts are extensively threatened by other land-uses.

As a last resort, the populations may have to be re-established at a new site elsewhere. This may be a challenging task for species that are less easy to cultivate than the Loubser's *Moraea* noted above. Referring chiefly to animals, Botkin (1977) notes that translocations of wild species to new habitats usually fail. Botanical gardens can assist by holding a temporary survival-population while establishment trials are in progress at new wild sites (Hall and Rycroft 1979). Great care is needed to see that regeneration by seed is not attended by major alien selective pressures or by hybridization in the botanical garden. These could weaken the species' future chances of survival in the wild. However good the precautions against these hazards may be the species should be allowed as few generations as possible in the botanical garden before being returned to the wild. It is wrong to believe that a botanical garden is a safe, permanent sanctuary for threatened plants.

## CONCLUSIONS

1. Partly preliminary findings indicate that southern Africa (south of Angola, Rhodesia and Mozambique) has 1 915 or 11 percent of its vascular plant taxa in the following categories:
  - 39 recently extinct
  - 105 endangered
  - 166 vulnerable and declining
  - 537 critically rare
  - 261 indeterminate, but in some category above
  - 807 uncertain if safe or not
2. The geographical distribution of the threatened taxa co-incides with some of the areas of greatest endemism in southern Africa. There is a very high concentration in the area of the Cape Floristic Kingdom which is rich in local endemics and is so distinct as to merit a rank as one of the world's six major geo-taxonomic units of plant life. The Cape Floristic Kingdom covers about 0,67 percent of the area of southern Africa and carries 65 percent of the entire region's plants in hazard.
3. The taxonomic distribution of threatened plants shows a predominance of Cape Floristic Kingdom families, including a third of southern Africa's Proteaceae and Restionaceae and a fifth of the species of groups such as Iridaceae and Rutaceae. The Cape endemic families Penaeaceae, Bruniaceae and Geissolomaceae all have high proportions of threatened taxa. Outside the Cape Floristic Kingdom, the most important case is the Cycad family, Zamiaceae, of which all southern African species are variously in hazard.
4. An initial study suggests that in the south-western Cape about half of the pressures causing decline are due to direct human impacts (agriculture, industrial and urban development, plant collecting); a third due to habitat change by introduced invasive plants, chiefly the Australian Acacias; and the remainder due to natural factors.
5. A prior condition for the present situation may have been a bio-climatic compression of moister floras in the comparatively short and drier period of the last ten thousand years. This may have increased the amount of local endemism, which in turn has made so many species susceptible to endangerment from human impacts. With rapid expected increases in the human population of the region (recently 60 000 persons a month in South Africa), these impacts will strengthen and probably bring many further plant species into a threatened state.

6. In view of the important values attached to southern Africa's plant life it is recommended that the threatened plant and threatened habitat problems be studied in greater depth. In particular, the nature and the consequences of plant extinctions are neglected fields of study.
7. Much more attention than in the past needs to be given to the establishment of habitat sanctuaries for threatened plants. To be effective on the thousand-year time scales of biological development, the management of the sanctuaries needs to be based on sound autecological and population-genetic studies, which are widely lacking at present.
8. The role of botanic gardens, low-temperature seed-banks and other emergency measures for critically threatened taxa should be developed as an important supplement to habitat conservation.
9. Plant conservation measures in the Cape Floristic Kingdom area should be greatly strengthened as a national priority. At present this is, on a world scale, a major crisis zone for the loss of genetic diversity.

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## INDEX

<i>Acacia hebeclada</i> ssp <i>chobiensis</i>	44, 78, 79, 103, 104, 108
<i>Acacia hebeclada</i> ssp <i>tristis</i>	44, 78, 79, 103, 104, 108
<i>Acacia montis-usti</i>	44, 78, 104, 105, 106
<i>Acacia robynsiana</i>	44, 78, 103, 105, 106
<i>Acacia welwitschii</i> ssp <i>delagoensis</i>	44, 79, 113
Acanthaceae	10
<i>Acmadenia alternifolia</i>	71, 95, 150, 156
<i>Acmadenia cucullata</i>	71, 95, 154
<i>Acmadenia densifolia</i>	71, 95, 154, 155, 156
<i>Acmadenia niveni</i>	71, 90, 145
Acornhoek	113
<i>Acrolophia comosa</i>	54, 95, 152
<i>Acrolophia micrantha</i>	54, 86, 90, 125, 149
<i>Acrolophia ustulata</i>	54, 87, 145, 149
<i>Adenandra dahlgrenii</i>	71, 90, 143
<i>Adenandra gracilis</i>	71, 93, 152
<i>Adenandra odoratissima</i>	71, 93, 152
<i>Adenandra odoratissima</i> ssp <i>tenuis</i>	71, 93, 155
<i>Adenandra schlechteri</i>	71, 93, 152
<i>Adenia fruticosa</i> ssp <i>simplicifolia</i>	60, 81, 109
<i>Adenium boehmianum</i>	13, 78, 103, 105, 106
<i>Adenium obesum</i>	13, 81, 85, 102, 109, 110, 111, 113, 115
<i>Adenium oleifolium</i>	13, 78, 81, 93, 107, 109, 125, 126, 128
<i>Adenium swazicum</i>	13, 81, 82, 115, 117
<i>Adenoglossa decurrens</i>	22, 95, 126, 127
Adiantaceae	10
<i>Adromischus humilis</i>	28, 95, 136
<i>Adromischus marianae</i>	28, 95, 134
<i>Adromischus phillipsiae</i>	28, 95, 136
<i>Agapanthus coddii</i>	46, 81, 112
<i>Agapanthus dyeri</i>	46, 81, 111
<i>Agapanthus walshii</i>	46, 90, 149
<i>Agathosma abrupta</i>	71, 93, 152
<i>Agathosma affinis</i>	71, 93, 146

<i>Agathosma alaris</i>	71, 93, 155
<i>Agathosma bicolor</i>	71, 93, 134, 135
<i>Agathosma capitata</i>	71, 93, 134
<i>Agathosma cephalodes</i>	71, 95, 134
<i>Agathosma conferta</i>	71, 90, 135
<i>Agathosma cordifolia</i>	71, 95, 135, 140, 142
<i>Agathosma decurrens</i>	71, 95, 142
<i>Agathosma dentata</i>	71, 90, 135
<i>Agathosma dielsiana</i>	71, 90, 146, 153, 155
<i>Agathosma distans</i>	71, 90, 135
<i>Agathosma elata</i>	71, 95, 130, 134
<i>Agathosma florida</i>	71, 93, 144
<i>Agathosma foleyana</i>	71, 90, 103
<i>Agathosma geniculata</i>	71, 90, 151, 153
<i>Agathosma gnidiiflora</i>	71, 93, 155
<i>Agathosma involucrata</i>	71, 95, 134
<i>Agathosma lancifolia</i>	71, 95, 134, 142
<i>Agathosma leptospermoides</i>	71, 95, 142, 152
<i>Agathosma linifolia</i>	71, 95, 144, 154
<i>Agathosma longicornu</i>	71, 90, 134, 135
<i>Agathosma orbicularis</i>	72, 93, 150, 152
<i>Agathosma pallens</i>	72, 93, 155
<i>Agathosma pattisonae</i>	72, 95, 135
<i>Agathosma phillipsii</i>	72, 95, 132, 142
<i>Agathosma planifolia</i>	72, 95, 146, 147
<i>Agathosma rehmanniana</i>	72, 95, 146
<i>Agathosma sabulosa</i>	72, 95, 136
<i>Agathosma salina</i>	72, 95, 134, 135
<i>Agathosma scaberula</i>	72, 96, 155
<i>Agathosma sedifolia</i>	72, 87, 151, 153
<i>Agathosma spinosa</i>	72, 96, 147
<i>Agathosma stokoei</i>	72, 90, 149, 151
<i>Agathosma subteretifolia</i>	72, 93, 144
<i>Agathosma thymifolia</i>	72, 93, 138, 140
<i>Agathosma umbonata</i>	72, 96, 144
<i>Agathosma unicarpellata</i>	72, 96, 147, 156
<i>Agathosma zwartbergense</i>	72, 96, 146

<i>Albizia amara</i> ssp <i>sericocephala</i>	44, 79, 81, 108, 110, 111
<i>Albizia antunesiana</i>	44, 79, 108
<i>Albizia suluensis</i>	44, 84, 120, 121
<i>Alchornea hirtella</i> var <i>glabrata</i>	33, 84, 120
<i>Alchornea laxiflora</i>	33, 79, 109, 110
<i>Alciope lanata</i>	22, 96, 142
Alien invasive plants	168
Aliwal North	130
<i>Allophyllus chaunostachys</i>	72, 81, 115
<i>Aloe albida</i>	46, 79, 114
<i>Aloe angelica</i>	46, 79, 109, 110
<i>Aloe buhrii</i>	47, 90, 131
<i>Aloe distans</i>	47, 90, 134, 138, 151
<i>Aloe erinacea</i>	47, 78, 107
<i>Aloe gerstneri</i>	47, 83, 120
<i>Aloe graciliflora</i>	47, 79, 114
<i>Aloe greenii</i>	47, 84, 119, 120, 122
<i>Aloe karasbergensis</i>	47, 78, 88, 107, 125, 128
<i>Aloe keithii</i>	47, 82, 117
<i>Aloe minima</i> var <i>blyderivierensis</i>	47, 79, 112, 114, 115
<i>Aloe monotropa</i>	47, 79, 111
<i>Aloe peglerae</i>	47, 79, 82, 113, 116
<i>Aloe petrophila</i>	47, 79, 109, 112
<i>Aloe polyphylla</i>	47, 83, 85, 117, 123
<i>Aloe prinslooi</i>	47, 85, 120
<i>Aloe pruinosa</i>	47, 84, 122
<i>Aloe reitzii</i>	47, 81, 114
<i>Aloe reitzii</i> var <i>nova</i>	47, 85, 118
<i>Aloe reynoldsii</i>	47, 86, 125
<i>Aloe simii</i>	47, 79, 114
<i>Aloe soutpansbergensis</i>	47, 80, 110
<i>Aloe suffulta</i>	47, 84, 119, 121
<i>Aloe thompsoniae</i>	47, 81, 111, 113
<i>Aloe thorncroftii</i>	47, 80, 114
<i>Aloe vandermerwei</i>	47, 80, 111, 113, 114
<i>Aloe vogtsii</i>	47, 80, 109, 110
<i>Aloe vossii</i>	47, 80, 110

Amaryllidaceae	10
Amblygonocarpus andongensis	44, 78, 104
Amphigena leptostachya	54, 90, 103, 149, 151
Amphigena tenuis	54, 90, 149
Amphiglossa callunoides	22, 96, 148
Amphiglossa corrudaeifolia	22, 96, 128
Amphisiphon stylosa	47, 87, 131
Anacardiaceae	12
Anaxeton angustifolium	22, 96, 142
Anaxeton brevipes	22, 90, 151
Anaxeton ellipticum	22, 90, 103, 149
Anaxeton hirsutum	22, 90, 151
Anaxeton virgatum	22, 96, 152, 154
Ancylanthus monteiroi	70, 84, 118, 119
Andara	108
Androcymbium fenestratum	47, 96, 134
Androcymbium scabromarginatum	47, 96, 129
Androsiphon capensis	47, 90, 131
Angraecum chamaeanthus	54, 80, 114
Anisodontea alexandri	50, 87, 145
Anisodontea dissecta	50, 96, 142, 144, 154
Anisodontea gracilis	50, 96, 134, 142
Anisodontea pseudocapensis	50, 96, 144, 145
Anisodontea racemosa	50, 96, 132, 134, 135
Anisodontea theronii	50, 96, 145
Anisotes sessiliflorus	10, 80, 109, 110
Annonaceae	13
Anochilus flanagani	54, 84, 90, 121, 133
Ansellia gigantea et vars	54, 81, 82, 85, 113, 114, 115, 117, 119, 120
Apocynaceae	13
Apodolirion lanceolatum	10, 90, 154, 155
Aponogeton ranunculiflorus	13, 83, 121
Aponogetonaceae	13
Araceae	13
Arctotheca forbesiana	22, 93, 134, 140, 150, 152
Arctotis aenea	22, 78, 96, 106, 130, 134, 142

<i>Arctotis crispata</i>	22, 96, 128
<i>Arctotis diffusa</i>	22, 96, 132, 133, 136
<i>Arctotis dregei</i>	22, 96, 152
<i>Arctotis fosteri</i>	22, 96, 134
<i>Arctotis parvifolia</i>	22, 96, 142
<i>Arctotis rosea</i>	22, 96, 144
<i>Arctotis sulcocarpa</i>	22, 96, 132, 136
Area	2
Arecaceae (Palmae)	14
<i>Ariamsvlei</i>	107
<i>Aristea lugens</i>	36, 93, 140
<i>Aristea palustris</i>	36, 96, 152
<i>Aristea recisa</i>	36, 96, 142, 152
<i>Aristea simplex</i>	36, 96, 146, 154
<i>Aristea singularis</i>	36, 96, 135
<i>Arundinaria tessellata</i>	35, 83, 84, 86, 88, 102, 117, 120, 121, 123
Asclepiadaceae	14
<i>Aspalathus acanthiloba</i>	44, 96, 150
<i>Aspalathus acanthophylla</i>	44, 93, 140
<i>Aspalathus aciloba</i>	44, 96, 152, 154, 155
<i>Aspalathus arenaria</i>	44, 96, 155
<i>Aspalathus barbigera</i>	44, 93, 154
<i>Aspalathus bidouwensis</i>	44, 93, 135
<i>Aspalathus borbonifolia</i>	44, 90, 139
<i>Aspalathus burchelliana</i>	44, 96, 142, 144, 152, 154
<i>Aspalathus campestris</i>	44, 96, 144, 155
<i>Aspalathus candidula</i>	44, 96, 155
<i>Aspalathus compacta</i>	44, 96, 142
<i>Aspalathus comptonii</i>	44, 90, 135
<i>Aspalathus concava</i>	44, 96, 152
<i>Aspalathus corniculata</i>	44, 96, 142
<i>Aspalathus decora</i>	45, 96, 134, 135
<i>Aspalathus desertorum</i>	45, 90, 103, 135
<i>Aspalathus digitifolia</i>	45, 96, 146
<i>Aspalathus erythrodes</i>	45, 96, 142
<i>Aspalathus esterhuyseniae</i>	45, 90, 103



<i>Aspalathus excelsa</i>	45, 90, 151
<i>Aspalathus fasciculata</i>	45, 90, 103
<i>Aspalathus ferox</i>	45, 96, 142
<i>Aspalathus florulenta</i>	45, 96, 132, 135
<i>Aspalathus fourcadei</i>	45, 96, 147
<i>Aspalathus glabrata</i>	45, 93, 140
<i>Aspalathus glossoides</i>	45, 96, 134
<i>Aspalathus grobleri</i>	45, 96, 154
<i>Aspalathus hypnoides</i>	45, 96, 144, 154
<i>Aspalathus incana</i>	45, 96, 145
<i>Aspalathus karrooensis</i>	45, 96, 145
<i>Aspalathus lamarckiana</i>	45, 96, 144, 145
<i>Aspalathus latifolia</i>	45, 96, 134
<i>Aspalathus lenticula</i>	45, 96, 142
<i>Aspalathus longifolia</i>	45, 96, 145
<i>Aspalathus macrantha</i>	45, 96, 150, 152
<i>Aspalathus macrocarpa</i>	45, 96, 142, 144
<i>Aspalathus obliqua</i>	45, 96, 132
<i>Aspalathus obtusifolia</i>	45, 96, 140, 154, 155
<i>Aspalathus odontoloba</i>	45, 96, 155
<i>Aspalathus orbiculata</i>	45, 96, 142
<i>Aspalathus pallescens</i>	45, 96, 154
<i>Aspalathus pilantha</i>	45, 96, 142
<i>Aspalathus prostrata</i>	45, 96, 152, 154
<i>Aspalathus quadrata</i>	45, 96, 155
<i>Aspalathus ramosissima</i>	45, 96, 145, 146
<i>Aspalathus rectistyla</i>	45, 96, 134
<i>Aspalathus rostrata</i>	45, 96, 142
<i>Aspalathus rycroftii</i>	45, 88, 139
<i>Aspalathus smithii</i>	45, 88, 151, 153
<i>Aspalathus stokoei</i>	46, 90, 149, 151
<i>Aspalathus suaveolens</i>	46, 90, 103
<i>Aspalathus sulphurea</i>	46, 96, 142
<i>Aspalathus vaccinifolia</i>	46, 96, 150
<i>Aspalathus variegata</i>	46, 87, 138
<i>Aspalathus vulpina</i>	46, 96, 144, 145, 155
Asteraceae : see Compositae	22

<i>Atalaya capensis</i>	73, 90, 147
<i>Atalaya natalensis</i>	73, 85, 119
<i>Athanasia crassifolia</i>	22, 96, 142
<i>Athanasia harmeri</i>	22, 96, 142, 152
<i>Athanasia mundtii</i>	22, 96, 148, 152, 154
<i>Athanasia palmatifida</i>	22, 96, 142
<i>Athanasia quinqueidentata</i>	22, 96, 146
<i>Athanasia rugulosa</i>	22, 88, 139
<i>Athanasia spathulata</i>	22, 96, 142, 150
<i>Athanasia tomentella</i>	22, 96, 127, 130, 135
<i>Audouinia capitata</i>	17, 88, 149
Aus	107
<i>Babiana auriculata</i>	36, 90, 134, 135
<i>Babiana brachystachys</i>	36, 96, 128, 134
<i>Babiana cedarbergensis</i>	36, 90, 135
<i>Babiana foliosa</i>	36, 96, 152
<i>Babiana horizontalis</i>	36, 96, 127
<i>Babiana hypogea</i> var <i>longituba</i>	36, 81, 111
<i>Babiana klaverensis</i>	36, 96, 130
<i>Babiana leipoldtii</i>	36, 93, 140
<i>Babiana lobata</i>	36, 96, 126, 128, 129
<i>Babiana obliqua</i>	36, 96, 133, 134, 140
<i>Babiana pauciflora</i>	36, 87, 131
<i>Babiana pilosa</i>	36, 96, 130
<i>Babiana salteri</i>	36, 90, 130
<i>Babiana stenomera</i>	36, 90, 130
<i>Babiana striata</i> var <i>planifolia</i>	36, 90, 127
<i>Babiana torta</i>	36, 96, 129
Baltimore	110
<i>Barleria albopilosa</i>	10, 78, 105
<i>Barleria ameliae</i>	10, 78, 104
<i>Barleria argillicola</i>	10, 84, 120
<i>Barleria media</i>	10, 82, 116
<i>Barleria megalosiphon</i>	10, 78, 104
<i>Barleria oxyphylla</i>	10, 81, 113, 115
<i>Bauhinia bowkeri</i>	46, 86, 124, 125
Beaufort West	136

<i>Begonia sonderana</i>	17, 81, 114
Begoniaceae	17
<i>Beilschmiedia natalensis</i>	43, 85, 87, 121, 123, 125
Bela vista	118
<i>Berkheya angusta</i>	22, 96, 152
<i>Berkheya dregei</i>	22, 96, 135
<i>Berkheya francisci</i>	23, 90, 146
<i>Berrisfordia khamiesbergensis</i>	51, 93, 129
<i>Berzelia dregeana</i>	17, 90, 149, 151
<i>Berzelia ecklonii</i>	17, 90, 149, 151
Bethal	115
Bethlehem	117
<i>Blepharis inermis</i>	10, 96, 145
<i>Blighia unijugata</i>	73, 84, 119
Bloemfontein	118
<i>Bobartia gladiata</i> ssp <i>major</i>	36, 90, 149
<i>Bobartia gracilis</i>	36, 87, 96, 125, 149
<i>Bobartia longicyma</i> ssp <i>longicyma</i>	36, 96, 152
<i>Bobartia longicyma</i> ssp <i>microflora</i>	36, 96, 154
<i>Bobartia orientalis</i> ssp <i>occidentalis</i>	36, 90, 134
<i>Bobartia paniculata</i>	36, 90, 146
<i>Bobartia parva</i>	36, 87, 143
Bogenfels	107
<i>Bonatea densiflora</i>	54, 96, 138
<i>Bonatea saundersiae</i>	55, 85, 122
Boomrivier	128
Bophuthatswana	82, 116
Boraginaceae	17
<i>Borassus aethiopicum</i>	14, 80, 111
<i>Borassus caffra</i>	14, 86, 124
<i>Boscia angustifolia</i> var <i>corymbosa</i>	21, 78, 81, 104, 110
<i>Boscia foetida</i> ssp <i>longipedicellata</i>	21, 84, 119, 120
<i>Boscia foetida</i> ssp <i>minima</i>	21, 79, 80, 82, 109, 111, 113, 116
<i>Boscia microphylla</i>	21, 78, 103, 104, 105, 106
<i>Boscia tomentosa</i>	21, 78, 103
<i>Bosqueia phoberos</i>	53, 80, 84, 109, 121
Botanic gardens	173

Botswana	79, 108
<i>Brachycorythis macowaniana</i>	55, 96, 147, 148, 156
<i>Brachymeris erubescens</i>	23, 96, 130, 137, 144
<i>Brachysiphon mundii</i>	60, 90, 154
Brandvlei	129
<i>Brasenia schreberi</i>	18, 79, 81, 108, 113
Bredasdorp	153
<i>Bridelia cathartica</i> ssp <i>cathartica</i>	33, 84, 118, 119, 120, 121
Britstown	130
Bruniaceae	17
<i>Brunsvigia litoralis</i>	10, 87, 147
<i>Brunsvigia undulata</i>	10, 84, 120, 121, 122
Buddlejaceae	18
Buffer-zones	173
<i>Bulbine brunsvigiaefolia</i>	47, 96, 128, 129
<i>Bulbine flexicaulis</i>	47, 96, 148
<i>Bulbine minima</i>	47, 96, 131, 142, 155
<i>Bulbine urgineoides</i>	47, 96, 128, 135
<i>Burmannia madagascariensis</i>	18, 82, 85, 116, 121
Burmanniaceae	18
Burseraceae	18
Butterworth	125
<i>Byrsocarpus orientalis</i>	27, 78, 104
Cabomcaceae	18
<i>Calanthe natalensis</i>	55, 85, 93, 121, 138, 146
Caledon	151
<i>Calpurnia robinoides</i>	46, 86, 123
<i>Calpurnia woodii</i>	46, 84, 120, 121
Calvinia	131
Campanulaceae	18
Canellaceae	21
<i>Cannomois aristata</i>	66, 90, 135
Cape Floristic Kingdom	168
Cape Province	87, 125
Cape Town	138
Capparaceae	21
<i>Capparis sepiaria</i> var <i>subglabra</i>	21, 80, 109, 110

<i>Caralluma acutiloba</i>	14, 93, 127
<i>Caralluma aperta</i>	14, 96, 126, 127, 128
<i>Caralluma arenicola</i>	14, 87, 128, 136, 143, 145, 146
<i>Caralluma bredae</i> var <i>bredae</i>	14, 90, 137
<i>Caralluma bredae</i> var <i>thomallae</i>	14, 93, 137
<i>Caralluma cincta</i>	14, 88, 130, 141
<i>Caralluma gracilis</i>	14, 96, 131, 132, 135
<i>Caralluma intermedia</i>	14, 93, 134
<i>Caralluma inversa</i>	14, 93, 130, 134
<i>Caralluma linearis</i>	14, 90, 143
<i>Caralluma maughanii</i>	14, 90, 131
<i>Caralluma pillansii</i>	14, 93, 142, 144, 145, 146
<i>Caralluma pruinosa</i>	14, 93, 126, 127, 128
<i>Caralluma ubomboensis</i>	14, 82, 84, 116, 119
<i>Caralluma villetii</i>	14, 90, 130
Carnarvon	130
Carolina	115
<i>Carpacoce heteromorpha</i>	70, 93, 142, 150, 152
<i>Carpolyza spiralis</i>	11, 96, 131
<i>Caryotophora skiatophytoides</i>	51, 90, 154
<i>Cassine crocea</i>	21, 85, 86, 93, 102, 121, 122, 124, 138, 146
<i>Cassipourea flanaganii</i>	69, 86, 90, 124, 125, 138, 148
<i>Cassipourea mossambicensis</i>	69, 84, 118, 119
<i>Cassipourea swaziensis</i>	69, 84, 119
<i>Catha transvaalensis</i>	21, 81, 113
<i>Cavacoa aurea</i>	33, 84, 119, 120, 121, 122
Celastraceae	21
<i>Celtis mildbraedii</i>	76, 84, 119, 122
<i>Cenia duckittiae</i>	23, 93, 140
<i>Ceriops tagal</i>	69, 84, 118
Chamaites	107
<i>Charadrophila capensis</i>	73, 88, 139, 141, 149
<i>Chasmanthe bicolor</i>	36, 96, 142, 152
<i>Chasmanthe fucata</i>	37, 96, 129
<i>Chasmatophyllum maninum</i>	51, 96, 133, 137, 147
<i>Cheilanthes depauperata</i>	10, 96, 135, 144

<i>Chlorophytum lewisae</i>	48, 96, 132
<i>Chlorophytum monophyllum</i>	48, 96, 142
<i>Chondropetalum acockii</i>	66, 87, 139
<i>Chondropetalum longiflorum</i>	66, 88, 141
<i>Chondropetalum rectum</i>	66, 88, 139, 149, 151
<i>Christella altissima</i>	75, 83, 122
<i>Citropsis daweana</i>	72, 78, 79, 104, 108
Clanwilliam	133
<i>Cliffortia acockii</i>	69, 88, 139
<i>Cliffortia aculeata</i>	69, 97, 146
<i>Cliffortia acutifolia</i>	69, 93, 131
<i>Cliffortia carinata</i>	69, 97, 150, 152
<i>Cliffortia crenulata</i>	70, 97, 152
<i>Cliffortia curvifolia</i>	70, 97, 152
<i>Cliffortia cymbifolia</i>	70, 97, 142, 146, 150
<i>Cliffortia geniculata</i>	70, 93, 152
<i>Cliffortia intermedia</i>	70, 97, 150, 152
<i>Cliffortia lanata</i>	70, 97, 142
<i>Cliffortia longifolia</i>	70, 97, 150, 154
<i>Cliffortia monophylla</i>	70, 97, 152
<i>Cliffortia montana</i>	70, 97, 137, 146
<i>Cliffortia multiformis</i>	70, 97, 142, 152
<i>Cliffortia reticulata</i>	70, 97, 142, 150
<i>Cliffortia strigosa</i>	70, 93, 142
Climate changes	167
<i>Clivia caulescens</i>	11, 80, 111, 112, 114
<i>Clivia gardenii</i>	11, 81, 82, 85, 86, 93, 102, 115, 117, 119, 122
<i>Clivia miniata</i>	11, 81, 85, 86, 115, 121, 122, 125
<i>Clivia nobilis</i>	11, 84, 86, 90, 122, 124, 148
Clusiaceae (Guttiferae)	21
<i>Coffea racemosa</i>	70, 84, 118, 119
<i>Coleonema aspalathoides</i>	72, 97, 144
Combretaceae	21
<i>Combretum collinum</i> ssp <i>taborense</i>	21, 81, 113, 114
<i>Combretum padoides</i>	22, 81, 115
<i>Combretum wattii</i>	22, 78, 103, 105

<i>Commiphora discolor</i>	18, 78, 103
<i>Commiphora zanzibarica</i>	18, 80, 84, 113, 118, 119
Compositae (Asteraceae)	22
Computer aids	3
Connaraceae	27
Conservation	171
Convolvulaceae	28
<i>Cordia africana</i>	17, 80, 111
<i>Cordia grandicalyx</i>	17, 81, 110
<i>Cordia pilosissima</i>	17, 78, 104
<i>Cordyla africana</i>	46, 80, 84, 114, 118, 119
<i>Corycium bifidum</i>	55, 93, 150, 152
<i>Corycium deflexum</i>	55, 97, 135, 136, 142
<i>Corycium tricuspidatum</i>	55, 83, 93, 117, 137
<i>Corycium venosum</i>	55, 97, 142, 150, 152
<i>Corycium vestitum</i>	55, 87, 133
<i>Corymbium fourcadei</i>	23, 97, 147
<i>Corymbium salteri</i>	23, 93, 150
<i>Corymbium theileri</i>	23, 93, 134
<i>Corymborkis corymbosa</i>	55, 86, 124
<i>Cotula loganii</i>	23, 97, 132
<i>Cotula myriophylloides</i>	23, 93, 140, 150
<i>Cotula paradoxa</i>	23, 97, 150
<i>Cotula pedunculata</i>	23, 97, 134
<i>Cotyledon flanaganii</i>	28, 86, 90, 125, 138
<i>Cotyledon heterophylla</i>	28, 90, 143, 145
<i>Cotyledon ladismithiensis</i>	28, 97, 147
<i>Cotyledon rubrovenosa</i>	28, 78, 90, 107, 126
<i>Craibia zimmermannii</i>	46, 84, 118, 119, 121
<i>Crassula alcicornis</i>	28, 87, 135
<i>Crassula alpestris</i> ssp <i>massonii</i>	28, 97, 131, 132, 144
<i>Crassula arborescens</i> ssp <i>undulatifolia</i>	28, 90, 147
<i>Crassula barbata</i> ssp <i>broomii</i>	28, 90, 132
<i>Crassula brachystachya</i>	28, 97, 144, 145, 146
<i>Crassula decumbens</i> var <i>brachyphylla</i>	28, 93, 140, 150, 154
<i>Crassula elsieae</i>	28, 97, 135
<i>Crassula fusca</i>	28, 90, 125, 127

<i>Crassula multiceps</i>	28, 90, 129, 130
<i>Crassula multiflora</i> ssp <i>leucantha</i>	28, 97, 152
<i>Crassula namaquensis</i> ssp <i>comptonii</i>	28, 90, 131, 135
<i>Crassula namaquensis</i> ssp <i>lutea</i>	28, 97, 135, 142
<i>Crassula obovata</i> var <i>dregeana</i>	28, 85, 87, 123, 125
<i>Crassula pellucida</i> ssp <i>spongiosa</i>	29, 90, 131
<i>Crassula planifolia</i>	29, 86, 124, 125
<i>Crassula roggeveldii</i>	29, 90, 136
<i>Crassula rupestris</i> var <i>marnierana</i>	29, 97, 144, 145
<i>Crassula sericea</i> var <i>velutina</i>	29, 97, 126
<i>Crassula socialis</i>	29, 90, 130, 138, 143, 147, 148
<i>Crassula streyi</i>	29, 87, 125
<i>Crassula subulata</i> var <i>hispida</i>	29, 87, 143
<i>Crassula susannae</i>	29, 93, 128
<i>Crassula tuberella</i>	29, 80, 83, 84, 115, 117, 118
<i>Crassula vestita</i>	29, 90, 131, 136
Crassulaceae	28
<i>Crinum acaule</i>	11, 84, 118, 119, 121
<i>Crinum baumii</i>	11, 78, 103, 104
<i>Crinum campanulatum</i>	11, 90, 138, 148
<i>Crinum carolo-schmidtii</i>	11, 78, 103, 104, 105, 106
<i>Crinum crassicaule</i>	11, 78, 79, 104, 108
<i>Crinum euchrophyllum</i>	11, 78, 104
<i>Crinum kirkii</i>	11, 78, 104
<i>Crinum lineare</i>	11, 90, 147, 148
<i>Crinum nerinoides</i>	11, 78, 105, 106
<i>Crinum rautanenianum</i>	11, 78, 103
<i>Croton madadensis</i>	33, 81, 82, 115, 117
Cruciferae	29
<i>Cryptadenia laxa</i>	75, 97, 152
<i>Cryptocarya wyliei</i>	44, 84, 86, 120, 122, 124, 125
Cucurbitaceae	30
<i>Cullumia floccosa</i>	23, 97, 134
<i>Cullumia micracantha</i>	23, 97, 134
<i>Cullumia pectinata</i>	23, 90, 131
<i>Cullumia selago</i>	23, 97, 152
Cupressaceae	30



<i>Cynorkis compacta</i>	55, 85, 121, 122, 123
Cyperaceae	30
<i>Cyphia comptonii</i>	18, 97, 135
<i>Cyphia dentariaefolia</i>	18, 97, 134, 135, 150, 155
<i>Cyphia longiflora</i>	18, 97, 131
<i>Cyphia longilobata</i>	18, 97, 146
<i>Cyphia oligotricha</i>	18, 97, 131
<i>Cyphia ranunculifolia</i>	18, 97, 135
<i>Cyphia salteri</i>	18, 97, 131
<i>Cyphia stephensii</i>	18, 97, 135
<i>Cyphia tortilis</i>	18, 97, 155
<i>Cyrtanthus attenuatus</i>	11, 83, 117
<i>Cyrtanthus bicolor</i>	11, 80, 82, 84, 112, 114, 115, 116, 119
<i>Cyrtanthus clavatus</i>	11, 90, 145, 147, 148
<i>Cyrtanthus epiphyticus</i>	11, 85, 87, 118, 124
<i>Cyrtanthus erubescens</i>	11, 84, 120
<i>Cyrtanthus eucallus</i>	11, 80, 114
<i>Cyrtanthus falcatus</i>	11, 84, 121
<i>Cyrtanthus flavus</i>	11, 97, 148
<i>Cyrtanthus guthrieae</i>	11, 88, 153
<i>Cyrtanthus helictus</i>	11, 86, 90, 125, 133, 138, 147, 148
<i>Cyrtanthus herrei</i>	11, 90, 127
<i>Cyrtanthus huttonii</i>	11, 80, 90, 112, 138
<i>Cyrtanthus junodii</i>	11, 81, 113
<i>Cyrtanthus loddigesianus</i>	11, 90, 147, 148, 156
<i>Cyrtanthus nutans</i>	11, 84, 120
<i>Cyrtanthus rectiflorus</i>	11, 87, 97, 124, 138
<i>Cyrtanthus smithii</i>	11, 90, 148
<i>Cyrtanthus spiralis</i>	12, 88, 147, 156
<i>Cyrtanthus staadensis</i>	12, 88, 126, 147
<i>Cyrtanthus suaveolens</i>	12, 97, 138
<i>Cyrtanthus thorncroftii</i>	12, 80, 112, 114
<i>Daubinya aurea</i>	48, 97, 136
De Aar	130
Definitions of categories	9
<i>Deinbollia xanthocarpa</i>	73, 80, 110

Delareyville	116
Dialium schlechteri	46, 84, 118, 119, 121
Diascia dielsiana	73, 97, 155
Diascia dissecta	73, 97, 132
Diascia heterandra	73, 93, 150
Diascia nana	73, 97, 132, 142
Diascia nutans	73, 97, 132
Diascia pentheri	73, 97, 146
Diascia ramosa	73, 97, 132, 145
Diascia rudolphi	73, 97, 130, 134
Diascia scullyi	73, 97, 131
Diascia tysoni	73, 97, 131, 135
Diastella buekii	62, 87, 141
Diastella myrtifolia	62, 90, 103
Diastella parilis	62, 90, 103
Dichapetalaceae	30
Diclis stellarioides	73, 93, 142
Didymaotus lapidiformis	51, 89, 135, 141
Dierama pulcherrimum	37, 86, 89, 125, 138, 156
Dietes bicolor	37, 86, 90, 125, 148
Dietes butcheriana	37, 84, 119, 120, 122
Dietes flavida	37, 81, 83, 85, 115, 117, 119
Dinteranthus vanzylii	51, 90, 127
Diosma aristata	72, 87, 155
Diosma candida	72, 93, 152
Diosma eckloniana	72, 97, 154
Diosma flavescens	72, 93, 142
Diosma passerinoides	72, 90, 137, 143, 146, 154, 155
Diosma patentifolia	72, 97, 144
Diosma thyrsohora	72, 97, 142, 145, 152
Diospyros rotundifolia	30, 84, 118, 119
Diplosoma leipoldtii	51, 93, 134
Diplosoma retroversum	51, 87, 133
Disa basutorum	55, 83, 85, 86, 117, 120, 121, 123
Disa begleyi	55, 97, 140, 150, 152
Disa brachyceras	55, 97, 142, 150, 152
Disa breyeri	55, 81, 110

<i>Disa caffra</i>	55, 87, 125
<i>Disa extinctoria</i>	55, 81, 85, 113, 114, 115, 122
<i>Disa falcata</i>	55, 97, 155
<i>Disa fanniniae</i>	55, 85, 122
<i>Disa frigida</i>	55, 83, 117
<i>Disa galpinii</i>	55, 86, 124
<i>Disa kraussii</i>	55, 85, 122
<i>Disa longifolia</i>	55, 90, 103, 134, 151
<i>Disa micropetala</i>	55, 90, 103, 139, 149, 151
<i>Disa montana</i>	55, 87, 123
<i>Disa neglecta</i>	55, 89, 102, 139, 149
<i>Disa ovalifolia</i>	55, 90, 103, 135, 139
<i>Disa pillansii</i>	55, 90, 149, 151
<i>Disa rhodantha</i>	55, 81, 85, 87, 114, 120, 122, 124
<i>Disa salteri</i>	55, 90, 149
<i>Disa sanguinea</i>	55, 97, 138
<i>Disa sankeyi</i>	55, 85, 120
<i>Disa schlechteriana</i>	55, 90, 145
<i>Disa scullyi</i>	55, 87, 124
<i>Disa stokoei</i>	56, 87, 139, 149, 154
<i>Disa tabularis</i>	56, 90, 103, 139
<i>Disa tenuicornis</i>	56, 90, 139, 149, 151
<i>Disa thodei</i>	56, 83, 118
<i>Disa tysonii</i>	56, 86, 90, 124, 138
<i>Disa woodii</i>	56, 85, 122, 123
<i>Disa zuluensis</i>	56, 85, 121
<i>Disparago rosea</i>	23, 97, 147
<i>Disperis allisonii</i>	56, 85, 120
<i>Disperis anomala</i>	56, 85, 122
<i>Disperis bicolor</i>	56, 85, 120
<i>Disperis bodkini</i>	56, 90, 139
<i>Disperis buchananii</i>	56, 85, 122
<i>Disperis concinna</i>	56, 81, 85, 114, 118, 121
<i>Disperis ermelensis</i>	56, 81, 115
<i>Disperis flava</i>	56, 85, 120
<i>Disperis gracilis</i>	56, 81, 111, 114
<i>Disperis kermesina</i>	56, 85, 120

<i>Disperis macrocorys</i>	56, 97, 132, 135
<i>Disperis natalensis</i>	56, 81, 85, 114, 118, 120, 122
<i>Disperis stenoglossa</i>	56, 85, 122
<i>Disperis woodii</i>	56, 85, 86, 93, 122, 123, 125, 149
Distribution map	160
Distribution patterns	157
Diversity, genetic	171
<i>Dombeya autumnalis</i>	75, 80, 112, 114
<i>Dombeya kirkii</i>	75, 80, 110
<i>Dombeya rotundifolia</i> var <i>velutina</i>	75, 78, 106, 107
<i>Dorotheanthus bidouwensis</i>	51, 93, 135
<i>Dorotheanthus booyseii</i>	51, 93, 136
<i>Dorotheanthus rourkei</i>	51, 97, 129, 131
<i>Dracaena usambarensis</i>	48, 84, 118, 119
<i>Drypetes mossambicensis</i>	33, 81, 110
Dundee	120
<i>Duvalia maculata</i>	14, 93, 128, 137
<i>Duvalia parviflora</i>	14, 93, 144, 145
<i>Duvernoia aconitiflora</i>	10, 81, 83, 113, 115, 117
Ebenaceae	30
<i>Echidnopsis columnaris</i>	14, 89, 125
<i>Echidnopsis serpentina</i>	14, 90, 130, 131
<i>Elegia altigena</i>	66, 97, 146
<i>Elegia bella</i>	66, 97, 147
<i>Elegia extensa</i>	66, 87, 141
<i>Elegia fastigiata</i>	66, 87, 141
<i>Elegia fenestrata</i>	66, 87, 149, 151
<i>Elegia prominens</i>	66, 89, 139, 149, 151
<i>Elegia stokoei</i>	66, 89, 102
<i>Elegia verreauxii</i>	66, 89, 139, 149, 151
<i>Elephantorrhiza praetermissa</i>	46, 81, 112, 113
<i>Elephantorrhiza</i> ssp <i>nov</i>	46, 86, 124
Ellisras	110
<i>Elytropappus hispidus</i>	23, 90, 130
<i>Empleurum fragrans</i>	72, 89, 143
Enana	103
<i>Encephalartos altensteinii</i>	76, 86, 90, 124, 138, 148

<i>Encephalartos arenarius</i>	76, 89, 148
<i>Encephalartos caffer</i>	76, 86, 89, 125, 138, 148, 156
<i>Encephalartos cupidus</i>	76, 79, 112
<i>Encephalartos cycadifolius</i>	76, 89, 137
<i>Encephalartos eugene-maraisii</i>	76, 79, 110, 111, 112, 113
<i>Encephalartos ferox</i>	76, 84, 118, 119
<i>Encephalartos friderici-guilielmi</i>	76, 86, 91, 124, 133, 138, 148
<i>Encephalartos ghellinckii</i>	76, 83, 84, 86, 117, 120, 121, 122, 124
<i>Encephalartos heenanii</i>	76, 79, 114
<i>Encephalartos horridus</i>	76, 89, 147
<i>Encephalartos humilis</i>	76, 79, 114
<i>Encephalartos inopinus</i>	77, 79, 112
<i>Encephalartos laevifolius</i>	77, 79, 114
<i>Encephalartos lanatus</i>	77, 79, 112, 113
<i>Encephalartos latifrons</i>	77, 87, 148
<i>Encephalartos lebomboensis</i>	77, 82, 84, 116, 118, 119
<i>Encephalartos lehmannii</i>	77, 91, 137, 146, 147
<i>Encephalartos longifolius</i>	77, 86, 89, 125, 137, 146, 147, 148, 156
<i>Encephalartos natalensis</i>	77, 84, 86, 118, 119, 120, 122, 124
<i>Encephalartos ngoyanus</i>	77, 84, 118, 119, 120
<i>Encephalartos paucidentatus</i>	77, 80, 112, 114
<i>Encephalartos princeps</i>	77, 86, 89, 125, 133, 138
<i>Encephalartos transvenosus</i>	77, 80, 109, 110, 111, 112
<i>Encephalartos trispinosus</i>	77, 89, 148
<i>Encephalartos umbeluziensis</i>	77, 83, 117
<i>Encephalartos villosus</i>	77, 82, 84, 86, 91, 102, 116, 118, 120, 122, 124
<i>Encephalartos woodii</i>	77, 83, 120
Endangered : definition	9
Endemic : definition	9
<i>Endonema lateriflora</i>	60, 91, 151
<i>Endonema retzioides</i>	60, 91, 151
<i>Engysiphon brevitubus</i>	37, 97, 134
<i>Ensete ventricosum</i>	53, 81, 109, 111
<i>Entada pursaetha</i>	46, 84, 121, 122
<i>Entandrophragma spicatum</i>	51, 78, 103

<i>Enterospermum rhodesiacum</i>	70, 80, 109, 110
<i>Eragrostis arenicola</i>	35, 81, 111
<i>Erica acockii</i>	30, 87, 138
<i>Erica aghillana</i>	30, 89, 151, 153
<i>Erica alfredii</i>	30, 91, 151
<i>Erica aneimana</i>	31, 97, 146
<i>Erica annectens</i>	31, 91, 149
<i>Erica aspalathoides</i>	31, 97, 134, 135
<i>Erica atrovinosa</i>	31, 91, 103
<i>Erica auriculata</i>	31, 97, 142
<i>Erica bakeri</i>	31, 87, 141
<i>Erica barrydalensis</i>	31, 97, 144
<i>Erica beatricis</i>	31, 91, 146
<i>Erica berzeloides</i>	31, 97, 152
<i>Erica blésbergensis</i>	31, 97, 146
<i>Erica bolusiae</i>	31, 87, 139
<i>Erica casta</i>	31, 89, 151, 153, 154
<i>Erica cerviciflora</i>	31, 97, 150
<i>Erica chrysocodon</i>	31, 87, 141
<i>Erica comptonii</i>	31, 91, 149, 151
<i>Erica cremea</i>	31, 91, 141
<i>Erica crucistigmatica</i>	31, 88, 139, 149
<i>Erica cryptanthera</i>	31, 97, 142, 152
<i>Erica cyrillaeiflora</i>	31, 89, 149
<i>Erica dilatata</i>	31, 97, 129
<i>Erica diotaeiflora</i>	31, 97, 152
<i>Erica dulcis</i>	31, 91, 149, 151
<i>Erica dysantha</i>	31, 93, 145
<i>Erica eriophoros</i>	31, 97, 142
<i>Erica ethelae</i>	31, 97, 148
<i>Erica fairii</i>	31, 88, 149
<i>Erica ferrea</i>	31, 89, 139, 149
<i>Erica galgebergensis</i>	31, 91, 151
<i>Erica gallorum</i>	31, 97, 152
<i>Erica granulatifolia</i>	31, 91, 145
<i>Erica greyii</i>	31, 97, 135
<i>Erica heleogena</i>	31, 88, 149

<i>Erica heleophila</i>	31, 97, 144, 146
<i>Erica hendricksei</i>	31, 91, 151
<i>Erica heterophylla</i>	31, 97, 144
<i>Erica hibbertia</i>	32, 93, 142, 152
<i>Erica hippurus</i>	32, 91, 139
<i>Erica insolitanthera</i>	32, 91, 151
<i>Erica intricata</i>	32, 91, 141
<i>Erica jasminiflora</i>	32, 88, 151
<i>Erica junonia</i>	32, 88, 141
<i>Erica keeromsbergensis</i>	32, 91, 141
<i>Erica keetii</i>	32, 97, 147, 156
<i>Erica kraussiana</i>	32, 97, 152
<i>Erica lagenaeformis</i>	32, 93, 145
<i>Erica latifolia</i>	32, 97, 142, 144
<i>Erica lehmanii</i>	32, 97, 146
<i>Erica lerouxiae</i>	32, 91, 141
<i>Erica leucosiphon</i>	32, 91, 134, 135, 141
<i>Erica limosa</i>	32, 88, 149
<i>Erica macilenta</i>	32, 97, 144, 145
<i>Erica marifolia</i>	32, 91, 139, 149
<i>Erica mundii</i>	32, 97, 144
<i>Erica nematophylla</i>	32, 91, 145
<i>Erica obconica</i>	32, 97, 145
<i>Erica octonaria</i>	32, 91, 151
<i>Erica oligantha</i>	32, 93, 152
<i>Erica oophylla</i>	32, 91, 143
<i>Erica ostiaria</i>	32, 97, 145, 146
<i>Erica oxyandra</i>	32, 97, 144
<i>Erica paludicola</i>	32, 89, 149
<i>Erica parvulisepala</i>	32, 91, 141, 151
<i>Erica pauciovulata</i>	32, 91, 151
<i>Erica pearsoniana</i>	32, 97, 155
<i>Erica pilulifera</i>	32, 88, 139
<i>Erica porteri</i>	32, 89, 149
<i>Erica praenitens</i>	32, 97, 152
<i>Erica purgatoriensis</i>	32, 89, 151
<i>Erica pyramidalis</i>	32, 87, 139, 149

<i>Erica pyrantha</i>	32, 97, 152
<i>Erica quadrisulcata</i>	33, 94, 150
<i>Erica riparia</i>	33, 94, 152
<i>Erica rufescens</i>	33, 97, 142, 152
<i>Erica sociorum</i>	33, 88, 149
<i>Erica sonora</i>	33, 97, 131
<i>Erica trichophora</i>	33, 97, 142, 150, 152
<i>Erica trichophylla</i>	33, 97, 152
<i>Erica turbiniflora</i>	33, 97, 150
<i>Erica turgida</i>	33, 87, 139, 151
<i>Erica turrisbabylonica</i>	33, 97, 152
<i>Erica urna-viridis</i>	33, 89, 149
<i>Erica uysii</i>	33, 91, 154
<i>Erica vallis-araneorum</i>	33, 91, 149
<i>Erica verticillata</i>	33, 87, 139
<i>Erica vestiflua</i>	33, 91, 149
<i>Erica xanthina</i>	33, 97, 152
Ericaceae	30
<i>Eriocephalus tenuipes</i>	23, 97, 147
<i>Eriospermum cervicorne</i>	48, 97, 127, 129
<i>Eriospermum fasciculatum</i>	48, 97, 140, 152
<i>Eriospermum patentiflorum</i>	48, 98, 134, 135
<i>Eriospermum stoloniferum</i>	48, 98, 140, 152
<i>Eriospermum villosum</i>	48, 98, 127, 134
<i>Eroeda muirii</i>	23, 98, 155
<i>Erythrina decora</i>	46, 78, 105, 106
<i>Erythrophysa transvaalensis</i>	73, 80, 82, 112, 116
<i>Euchaetis avisylvana</i>	72, 88, 143
<i>Euchaetis schlechteri</i>	72, 88, 151, 153
<i>Euclea linearis</i>	30, 80, 110, 112, 113
<i>Eucomis humilis</i>	48, 83, 84, 86, 117, 120, 121, 124
<i>Eucomis montana</i>	48, 80, 82, 83, 84, 102, 114, 115, 116, 117
<i>Eucomis</i> ssp nov (Schijfii)	48, 83, 85, 86, 87, 117, 120, 123
<i>Eucomis vandermerwei</i>	48, 80, 113, 114, 115
<i>Eugenia erythrophylla</i>	54, 85, 87, 123, 125
<i>Eulophia austrooccidentalis</i>	56, 78, 105



<i>Eulophia coddii</i>	56, 81, 115
<i>Eulophia cooperi</i>	56, 80, 83, 84, 113, 115, 117, 118, 120
<i>Eulophia holubii</i>	56, 78, 103, 104
<i>Eulophia leachii</i>	56, 81, 85, 112, 113, 119
<i>Eulophia leucantha</i>	56, 78, 105
<i>Eulophia litoralis</i>	56, 94, 140, 152
<i>Eulophia meleagris</i>	56, 86, 94, 124, 137
<i>Eulophia platypetala</i>	56, 86, 89, 124, 147
<i>Eulophia tabularis</i>	56, 91, 146, 150, 151
<i>Eulophia zeyheriana</i>	56, 84, 86, 120, 121, 122, 124
<i>Euphorbia barnardii</i>	33, 79, 112
<i>Euphorbia clivicola</i>	33, 80, 112
<i>Euphorbia eduardoi</i>	33, 78, 104
<i>Euphorbia fasciculata</i>	33, 89, 130
<i>Euphorbia grandialata</i>	34, 80, 112
<i>Euphorbia groenewaldii</i>	34, 79, 110
<i>Euphorbia hallii</i>	34, 91, 131
<i>Euphorbia keithii</i>	34, 83, 117
<i>Euphorbia knobelii</i>	34, 82, 116
<i>Euphorbia marlothiana</i>	34, 91, 139, 150
<i>Euphorbia nesemannii</i>	34, 89, 102
<i>Euphorbia perangusta</i>	34, 82, 116
<i>Euphorbia restricta</i>	34, 80, 112
<i>Euphorbia rowlandii</i>	34, 81, 110
<i>Euphorbia sekukuniensis</i>	34, 80, 112
<i>Euphorbia tortirama</i>	34, 79, 110, 112
<i>Euphorbia waterbergensis</i>	34, 80, 110
<i>Euphorbia zoutpansbergensis</i>	34, 80, 109
<i>Euphorbiaceae</i>	33
<i>Euryops brevilobus</i>	23, 91, 135, 141
<i>Euryops ciliatus</i>	23, 94, 138
<i>Euryops decipiens</i>	23, 91, 141, 145
<i>Euryops dentatus</i>	23, 91, 132, 137
<i>Euryops gracilipes</i>	23, 98, 148
<i>Euryops indecorus</i>	23, 91, 150
<i>Euryops integrifolius</i>	23, 91, 146

<i>Euryops lasiocladus</i>	23, 94, 152
<i>Euryops latifolius</i>	23, 91, 147
<i>Euryops marlothii</i>	23, 91, 131, 136
<i>Euryops mirus</i>	23, 98, 132
<i>Euryops muirii</i>	23, 88, 154
<i>Euryops pectinatus</i>	23, 91, 134
<i>Euryops pleiodontus</i>	23, 94, 127
<i>Euryops polytrichoides</i>	23, 94, 148
<i>Euryops rosulatus</i>	24, 91, 131
<i>Euryops subcarnosus</i> ssp minor	24, 91, 129
<i>Euryops ursinoides</i>	24, 94, 148
<i>Euryops virgatus</i>	24, 91, 131
<i>Euryops zeyheri</i>	24, 98, 135
Evolution : future prospects	169
Export trade	170
Extinct : definition	9
Extinctions : ancient rates	167
Extinctions : current rate	158
Extinctions : histogram	163
<i>Faucaria candida</i>	51, 94, 137
<i>Faucaria longidens</i>	51, 98, 137
<i>Faurea macnaughtonii</i>	62, 80, 84, 86, 91, 102, 112, 114, 120, 121, 122
<i>Felicia annectens</i>	24, 87, 139, 151
<i>Felicia deserti</i>	24, 78, 98, 107, 126, 129
<i>Felicia diffusa</i> ssp khamiesbergensis	24, 91, 129
<i>Felicia ebracteata</i>	24, 98, 154
<i>Felicia elongata</i>	24, 91, 138, 139
<i>Felicia esterhuyseniae</i>	24, 91, 146
<i>Felicia fruticosa</i> ssp brevipedunculata	24, 81, 111, 112
<i>Felicia nigrescens</i>	24, 98, 152
<i>Felicia tsitsikamae</i>	24, 91, 146
<i>Ferraria divaricata</i> ssp arenosa	37, 94, 140
<i>Ferraria foliosa</i>	37, 98, 134
<i>Ferraria uncinata</i>	37, 98, 132, 140
<i>Ficus fischeri</i>	53, 78, 104
<i>Ficus tremula</i>	53, 85, 118, 119

Flacourtiaceae	34
Fort Beaufort	137
Francistown	108
Frankfort	117
Freesia armstrongii	37, 91, 146, 147
Freesia speciosa	37, 91, 143
Freylinia decurrens	73, 94, 145
Freylinia tropica	73, 80, 112
Friesodielsia obovata	13, 78, 79, 104, 108
Frithia pulchra	51, 80, 82, 113, 116
Gaborone	109
Galenia fruticosa var prostrata	51, 98, 140
Galium bredasdorpense	70, 91, 154
Galtonia viridiflora	48, 83, 84, 86, 117, 120, 121, 123, 124
Gamoep	127
Gasteria armstrongii	48, 98, 147
Gasteria lilliputana	48, 98, 148
Gazania caespitosa	24, 98, 137, 145, 156
Geissoloma marginatum	34, 91, 143, 145, 154
Geissolomaceae	34
Geissorhiza burchellii	37, 98, 144, 155
Geissorhiza furva	37, 94, 140, 142
Geissorhiza geminata	37, 98, 135, 140, 142, 152
Geissorhiza ixioides	37, 98, 135
Geissorhiza leipoldtii	37, 98, 135, 142
Geissorhiza lewisae	37, 94, 133, 134, 135, 140
Geissorhiza matthewsii	37, 89, 139
Geissorhiza matthewsii var eury stigma	37, 89, 139
Geissorhiza ovalifolia	37, 98, 142
Geissorhiza pappe	37, 98, 142, 150, 152
Geissorhiza rogersii	37, 98, 140, 142
Geissorhiza rubicunda	37, 98, 135, 140, 142
Gerbera aurantiaca	24, 84, 120, 122
Gerbera parva	24, 84, 121
Gerbera wrightii	24, 91, 139, 150
Gerrandanthus tomentosus	30, 84, 122

Gesneriaceae	34
Gethyllis herrei	12, 98, 131
Gethyllis multifolia	12, 89, 102
Gethyllis unilateralis	12, 98, 142, 146
Gibbauem angulipes	51, 98, 136, 145, 155
Gibbaeum esterhuyseniae	51, 87, 151, 153
Gibbaeum pachypodium	51, 98, 145
Gladiolus acuminatus	37, 98, 152
Gladiolus alatus var algoensis	37, 87, 147
Gladiolus appendiculatus var appendiculatus	37, 84, 118
Gladiolus appendiculatus var longifolius	37, 80, 82, 114, 116
Gladiolus aureus	37, 88, 149
Gladiolus bilineatus	37, 98, 144, 145, 154
Gladiolus brachyphyllus	37, 80, 111, 113, 114
Gladiolus buckerveldii	37, 91, 135
Gladiolus calcaratus	38, 80, 114
Gladiolus cardinalis	38, 91, 141
Gladiolus carinatus ssp parviflorus	38, 94, 140, 150
Gladiolus caryophyllaceus	38, 89, 130, 131, 133
Gladiolus citrinus	38, 89, 139
Gladiolus comptonii	38, 89, 130
Gladiolus cruentus	38, 83, 84, 117, 121
Gladiolus debilis var variegatus	38, 98, 153
Gladiolus emiliae	38, 88, 143, 151, 154
Gladiolus engysiphon	38, 98, 144, 145, 154
Gladiolus exiguus	38, 80, 112, 114
Gladiolus floribundus ssp miniatus	38, 98, 153, 154
Gladiolus gracilis var latifolius	38, 94, 133, 134, 138, 140
Gladiolus gueinzii	38, 84, 86, 91, 102, 122, 125, 148, 155
Gladiolus guthriei	38, 89, 151, 153
Gladiolus hollandii	38, 80, 82, 114, 116
Gladiolus jonquilliodorus	38, 98, 140, 150
Gladiolus kamiesbergensis	38, 98, 129
Gladiolus lapeirousioides	38, 91, 129
Gladiolus leptosiphon	38, 98, 145, 146

<i>Gladiolus lewisae</i>	38, 91, 145
<i>Gladiolus macneilii</i>	38, 80, 112
<i>Gladiolus maculatus</i> ssp <i>hiburnus</i>	38, 98, 154, 155
<i>Gladiolus marlothii</i>	38, 98, 136
<i>Gladiolus martleyi</i>	38, 98, 140, 144, 150
<i>Gladiolus microcarpus</i>	38, 81, 83, 85, 112, 117, 119, 120, 121
<i>Gladiolus mostertiae</i>	38, 98, 132
<i>Gladiolus nerineoides</i>	38, 98, 140
<i>Gladiolus oppositiflorus</i> ssp <i>oppositiflorus</i>	38, 86, 91, 124, 125, 138
<i>Gladiolus oppositiflorus</i> ssp <i>salmoneus</i>	39, 84, 86, 121, 122, 123, 124
<i>Gladiolus oreocharis</i>	39, 91, 135, 141
<i>Gladiolus pillansii</i> var <i>roseus</i>	39, 98, 150, 153
<i>Gladiolus pole-evansii</i>	39, 80, 113
<i>Gladiolus pretoriensis</i>	39, 79, 82, 113, 115, 116
<i>Gladiolus punctulatus</i> var <i>autumnalis</i>	39, 91, 143, 145
<i>Gladiolus punctulatus</i> var <i>punctulatus</i>	39, 91, 143
<i>Gladiolus quadrangulus</i>	39, 88, 139, 149
<i>Gladiolus recurvus</i>	39, 98, 140, 142, 150
<i>Gladiolus robertsoniae</i>	39, 80, 83, 115, 117
<i>Gladiolus rufomarginatus</i>	39, 80, 112, 114
<i>Gladiolus salteri</i>	39, 91, 127
<i>Gladiolus stephaniae</i>	39, 98, 144
<i>Gladiolus stokoei</i>	39, 91, 151
<i>Gladiolus subcaeruleus</i>	39, 98, 153
<i>Gladiolus symonsii</i>	39, 84, 121
<i>Gladiolus tristis</i> var <i>concolor</i>	39, 98, 144, 153, 154
<i>Gladiolus varius</i> var <i>micranthus</i>	39, 80, 111, 112, 114, 115
<i>Gladiolus varius</i> var <i>varius</i>	39, 80, 112, 114, 115
<i>Gladiolus vernus</i>	39, 80, 111, 112, 113
<i>Gladiolus vigilans</i>	39, 94, 150
<i>Gladiolus violaceo-lineatus</i>	39, 91, 130, 134, 135
<i>Gladiolus virescens</i> var <i>roseo-venosus</i>	39, 94, 142
<i>Gladiolus viridiflorus</i>	39, 91, 127, 131
<i>Glischrocolla formosa</i>	60, 89, 102, 149, 151
<i>Glottiphyllum unionalense</i>	51, 98, 147

<i>Gnidia leipoldtii</i>	75, 98, 132
<i>Gnidia parviflora</i>	75, 98, 134, 142, 146
<i>Gnidia scabrida</i>	75, 98, 145
Gobabis	106
Gobaub	105
Graaff-Reinet	137
Grahamstown	148
Gramineae (Poaceae)	35
Grammitidaceae	35
<i>Grammitis poeppigana</i>	35, 91, 151
<i>Grewia rogersii</i>	76, 80, 112
<i>Greyia flanaganii</i>	35, 91, 133, 138
Greyiaceae	35
Griekwastad	126
<i>Grisebachia incana</i>	33, 94, 140, 142, 152
<i>Grisebachia niveni</i>	33, 98, 150, 153, 154
<i>Grisebachia rigida</i>	33, 98, 142
Grootfontein	105
Grunau	107
<i>Guettarda speciosa</i>	70, 84, 119
<i>Guibourtia conjugata</i>	46, 80, 110
Guttiferae : see Clusiaceae	21
<i>Habenaria kraenzliniana</i>	56, 81, 113
<i>Habenaria laevigata</i> ssp <i>bicolor</i>	56, 80, 115
<i>Habenaria rehmannii</i>	57, 82, 117
Habitat conservation	171
<i>Haemanthus amarylloides</i>	12, 89, 129, 131, 139
<i>Haemanthus avasmontanus</i>	12, 78, 106
<i>Haemanthus canaliculatus</i>	12, 89, 149
<i>Haemanthus nortieri</i>	12, 98, 131
Hanover	133
<i>Haplocoelum gallense</i>	73, 84, 118, 119
Harrismith	120
<i>Harveya euryantha</i>	73, 98, 153
<i>Haworthia blackburniae</i>	48, 91, 145
<i>Haworthia koelmaniorum</i>	48, 80, 113
<i>Haworthia marginata</i>	48, 94, 155

<i>Haworthia maughanii</i>	48, 94, 145
<i>Haworthia rubriflora</i>	48, 94, 142, 144, 154
<i>Haworthia springbokvlakensis</i>	48, 94, 147
<i>Haworthia truncata</i>	48, 94, 146
<i>Heinsia crinita</i>	70, 80, 110
<i>Helichrysum archeri</i>	24, 98, 144
<i>Helichrysum cochleariforme</i>	24, 98, 145, 155
<i>Helichrysum concinnum</i>	24, 98, 127, 144
<i>Helichrysum ernestianum</i>	24, 83, 98, 117, 137
<i>Helichrysum filagineum</i>	24, 98, 127, 128, 131
<i>Helichrysum isolepis</i>	24, 98, 138
<i>Helichrysum leptorhizum</i>	24, 98, 129
<i>Helichrysum manopappum</i>	24, 98, 153
<i>Helichrysum pulchellum</i>	24, 98, 131, 142
<i>Helichrysum ramulosum</i>	24, 98, 147
<i>Helichrysum recurvatum</i>	24, 89, 147, 148
<i>Helichrysum silicicolum</i>	24, 98, 144
<i>Helichrysum simii</i>	24, 98, 133, 153
<i>Helictotrichon barbatum</i>	35, 98, 129
<i>Helictotrichon namaquense</i>	35, 98, 129, 132
<i>Helictotrichon quinquisetum</i>	35, 98, 140
<i>Heliophila cedarbergensis</i>	29, 91, 135
<i>Heliophila cinerea</i>	29, 91, 150
<i>Heliophila collina</i>	29, 91, 130, 131
<i>Heliophila cuneata</i>	29, 89, 139
<i>Heliophila eximia</i>	29, 91, 125
<i>Heliophila filicaulis</i>	29, 91, 141
<i>Heliophila laciniata</i>	30, 91, 127, 130
<i>Heliophila leptophylla</i>	30, 98, 131
<i>Heliophila patens</i>	30, 91, 130, 134
<i>Heliophila ramosissima</i>	30, 98, 148, 153
<i>Heliophila rimicola</i>	30, 91, 145
<i>Heliophila tabularis</i>	30, 91, 139, 150
<i>Heliophila tricuspidata</i>	30, 91, 141, 150, 151
<i>Hermannia helicoidea</i>	75, 91, 134
<i>Hermannia hispidula</i>	75, 94, 134
<i>Hermannia repetenda</i>	75, 98, 131, 134, 135

<i>Herreanthus meyeri</i>	51, 94, 127
<i>Herschelia atropurpurea</i>	57, 94, 142
<i>Herschelia barbata</i>	57, 88, 139, 149
<i>Herschelia charpentierana</i>	57, 98, 142, 153
<i>Herschelia lugens</i>	57, 88, 139, 147, 149
<i>Herschelia multifida</i>	57, 98, 134, 135, 155
<i>Herschelia tripartita</i>	57, 91, 146
<i>Hesperantha oligantha</i>	39, 98, 129, 132
<i>Hessea chaplinii</i>	12, 89, 133, 139
<i>Hessea karooica</i>	12, 91, 143
<i>Hessea leipoldtii</i>	12, 91, 130, 134
<i>Hessea mathewsii</i>	12, 89, 133
<i>Hessea unguiculata</i>	12, 98, 132
<i>Heterolepis mitis</i>	24, 98, 148
<i>Heteropyxis canescens</i>	54, 80, 82, 114, 115, 116
<i>Hibiscus waterbergensis</i>	50, 78, 81, 103, 109, 110, 112
<i>Hippia hirsuta</i>	24, 98, 142, 145, 153
<i>Hippocratea crenata</i>	21, 80, 110
<i>Hippocratea parvifolia</i>	21, 81, 110
<i>Holarrhenia pubescens</i>	13, 80, 109, 110
<i>Holothrix confusa</i>	57, 94, 130, 131, 135, 142
<i>Holothrix grandiflora</i>	57, 98, 131, 145
<i>Holothrix lithophila</i>	57, 98, 150, 153
<i>Holothrix longicornu</i>	57, 98, 148
<i>Holothrix macowaniana</i>	57, 98, 138, 148
<i>Holothrix micrantha</i>	57, 81, 115
<i>Holothrix pilosa</i>	57, 94, 145, 146, 148, 154, 155
<i>Homalium abdessammadii</i>	34, 78, 104
<i>Homeria lineata</i>	39, 98, 131
<i>Homeria meterlekampiae</i>	39, 94, 140
<i>Homeria spiralis</i>	39, 98, 132
<i>Homoglossum guthriei</i>	40, 91, 151
<i>Homoglossum merianellum</i> var <i>aureum</i>	40, 94, 150
<i>Homoglossum merianellum</i> var <i>merianellum</i>	40, 94, 150
<i>Homoglossum vandermerwei</i>	40, 98, 153, 154
<i>Hondeklipbaai</i>	128



<i>Hoodia albispina</i>	14, 89, 130
<i>Hoodia barklyi</i>	14, 94, 145
<i>Hoodia dregei</i>	15, 94, 130, 136, 146
<i>Hoodia lugardii</i>	15, 79, 81, 108, 109, 110
<i>Hoodia pillansii</i>	15, 94, 144, 146
Hopetown	128
Horticulture and flora	170
<i>Huernia distincta</i>	15, 91, 143
<i>Huernia humilis</i>	15, 94, 130, 136
<i>Huernia insigniflora</i>	15, 94, 137
<i>Huernia kennedyana</i>	15, 94, 137
<i>Huernia longii</i>	15, 94, 148
<i>Huernia nouhuysii</i>	15, 79, 109
<i>Huernia pillansii</i>	15, 94, 144, 146
<i>Huernia praestans</i>	15, 94, 144, 145, 155
<i>Huernia simplex</i>	15, 98, 133
<i>Huernia witzenbergensis</i>	15, 88, 141
<i>Hugonia orientalis</i>	50, 80, 110
Humansdorp	156
<i>Huttonaea woodii</i>	57, 85, 122
<i>Humenodictyon parvifolium</i>	70, 81, 111, 113
<i>Hyobanche barklyi</i>	73, 98, 126
<i>Hypericum roeperanum</i> var <i>roeperanum</i>	35, 80, 112
<i>Hypodiscus alternans</i>	66, 94, 150, 152
<i>Hypodiscus paludosus</i>	66, 88, 139, 141, 149, 151
<i>Hypodiscus sulcatus</i>	66, 91, 141, 143
<i>Hypolaena stokoei</i>	66, 98, 150
<i>Hyptis spicigera</i>	43, 79, 81, 108, 113
<i>Imitaria muirii</i>	51, 98, 144, 145
Indeterminate : definition	9
<i>Inula paniculata</i>	25, 81, 111, 114
Invasive alien plants	168
Iridaceae	36
Isoetaceae	43
<i>Isoetes stephansenii</i>	43, 94, 140
<i>Isoetes wormaldii</i>	43, 98, 148, 149
<i>Ixia bellendenii</i>	40, 98, 143, 153

<i>Ixia brevituba</i>	40, 89, 135, 136
<i>Ixia cochlearis</i>	40, 98, 140, 143
<i>Ixia conferta</i> var <i>conferta</i>	40, 98, 135, 140
<i>Ixia conferta</i> var <i>ochroleuca</i>	40, 98, 140, 143
<i>Ixia curta</i>	40, 89, 139
<i>Ixia curvata</i>	40, 98, 132
<i>Ixia framesii</i>	40, 88, 139
<i>Ixia gloriosa</i>	40, 94, 144
<i>Ixia leipoldtii</i>	40, 98, 144, 146
<i>Ixia maculata</i> var <i>fusco-citrina</i>	40, 98, 132, 143
<i>Ixia maculata</i> var <i>intermedia</i>	40, 98, 131, 134
<i>Ixia maculata</i> var <i>maculata</i>	40, 89, 139
<i>Ixia patens</i> var <i>linearifolia</i>	40, 94, 142
<i>Ixia patens</i> var <i>patens</i>	40, 94, 131, 152
<i>Ixia purpureorosea</i>	40, 91, 138, 139
<i>Ixia rouxii</i>	40, 98, 135, 140, 143
<i>Ixia splendida</i>	40, 91, 134
<i>Ixia stolonifera</i>	40, 94, 142
<i>Ixia trifolia</i>	40, 98, 136, 144
<i>Ixia versicolor</i>	40, 94, 140, 150
<i>Ixia viridiflora</i>	40, 89, 102
Jagersfontein	117
<i>Jasminum abyssinicum</i>	54, 81, 110, 113
<i>Jatropha messinica</i>	34, 81, 109, 110, 111
Johannesburg	115
<i>Jubaeopsis caffra</i>	14, 84, 86, 122, 124, 125
Juncaceae	43
<i>Juncus obliquus</i>	43, 99, 131, 135
<i>Juttadinteria albata</i>	51, 94, 126
<i>Juttadinteria tetrasepala</i>	51, 94, 126
Kachikau	108
<i>Kaempferia aethiopica</i>	77, 80, 110, 111, 112, 115
<i>Kaempferia natalensis</i>	77, 85, 121
Kakamas	126
<i>Kalanchoe alticola</i>	29, 80, 82, 115, 116
<i>Kalanchoe crundallii</i>	29, 79, 110
<i>Kalanchoe laciniata</i>	29, 78, 104

<i>Kalanchoe longiflora</i>	29, 85, 120
Kamanjab	105
Kamiesberg	129
Kangara	108
Karibib	106
Katima Mulilo	104
Kenhardt	128
<i>Kensitia pillansii</i>	51, 99, 134
<i>Kirkia dewinteri</i>	74, 78, 105
<i>Klattia partita</i>	40, 91, 150, 154
<i>Klingia namaquana</i>	12, 99, 126, 127
<i>Kniphofia acraea</i>	48, 94, 137
<i>Kniphofia citrina</i>	48, 94, 138, 148, 156
<i>Kniphofia coddinana</i>	48, 84, 86, 122, 124, 125
<i>Kniphofia coralligemma</i>	48, 80, 110, 111, 112
<i>Kniphofia crassifolia</i>	48, 81, 111
<i>Kniphofia drepanophylla</i>	48, 86, 124
<i>Kniphofia ensifolia</i> ssp <i>autumnalis</i>	48, 84, 120
<i>Kniphofia evansii</i>	48, 84, 120, 121
<i>Kniphofia fibrosa</i>	48, 85, 87, 99, 121, 125, 138
<i>Kniphofia flammula</i>	49, 84, 120
<i>Kniphofia hirsuta</i>	49, 85, 123
<i>Kniphofia latifolia</i>	49, 84, 120, 122
<i>Kniphofia litoralis</i>	49, 84, 120, 121, 122
<i>Kniphofia pauciflora</i>	49, 83, 121, 122
<i>Kniphofia praecox</i> ssp <i>bruceae</i>	49, 91, 138
<i>Kniphofia rigidifolia</i>	49, 80, 112, 114
<i>Kniphofia rooperi</i>	49, 84, 86, 89, 122, 124, 125, 138, 148
<i>Kniphofia rufa</i>	49, 85, 120, 121, 122
<i>Kniphofia thodei</i>	49, 83, 84, 86, 117, 121, 123
<i>Kniphofia triangularis</i> ssp <i>obtusiloba</i>	49, 80, 84, 112, 114, 119
<i>Kniphofia tysonii</i> ssp <i>lebomboensis</i>	49, 82, 85, 117, 119, 121
<i>Kniphofia umbrina</i>	49, 82, 116
Knysna	155
Kokstad	124
Komatipoort	114

<i>Kotschya thymodora</i> var <i>thymodora</i>	46, 80, 112, 114
Kuring-Kuru	103
Kuruman	116
Kwebe Hills	108
Labiatae	43
<i>Lachenalia campanulata</i>	49, 94, 137, 138
<i>Lachenalia convallarioides</i> var <i>convallarioides</i>	49, 86, 125
<i>Lachenalia convallarioides</i> var <i>robusta</i>	49, 94, 148
<i>Lachenalia haarlemensis</i>	49, 94, 146
<i>Lachenalia mathewsii</i>	49, 87, 133
<i>Lachenalia muirii</i>	49, 99, 154, 155
<i>Lachenalia polyphylla</i>	49, 89, 102
<i>Lachenalia purpureo-caerulea</i>	49, 88, 139
<i>Lachenalia rhodantha</i>	49, 94, 133, 137
<i>Lachenalia viridiflora</i>	49, 89, 133
<i>Lachnaea elegans</i>	75, 99, 143
<i>Lachnaea glomerata</i>	75, 94, 148
Ladismith	144
Lady Frere	124
Lady Grey	123
<i>Lagynias dryandrum</i>	70, 80, 109, 110
<i>Lampranthus algoensis</i>	51, 91, 147
<i>Lampranthus arbutnotiae</i>	52, 99, 143, 150, 153, 154
<i>Lampranthus fugitans</i>	52, 84, 86, 122, 125
<i>Lampranthus rustii</i>	52, 91, 155
<i>Lamprocaulos schlechteri</i>	66, 99, 156
<i>Lapeirousia corymbosa</i> ssp <i>alta</i>	40, 99, 143, 150
<i>Lapeirousia verecunda</i>	41, 91, 127
<i>Lasiodiscus mildbraedii</i>	68, 84, 119, 121
Lauraceae	43
<i>Laurentia giftbergensis</i>	18, 89, 130
<i>Laurentia longituba</i>	18, 99, 145
<i>Laurentia mariae</i>	18, 99, 143
Leguminosae	44
<i>Leptocarpus impolitus</i>	66, 89, 130, 139
<i>Leptocarpus levynsiae</i>	66, 91, 135

<i>Leptocarpus monostylis</i>	66, 94, 144, 145
<i>Leptocarpus ramosissimus</i>	66, 87, 149
<i>Leptocarpus rigoratus</i> var <i>simulans</i>	66, 88, 139, 149, 151
Lesotho	85, 123
<i>Leucadendron argenteum</i>	62, 89, 139
<i>Leucadendron bonum</i>	62, 88, 135
<i>Leucadendron brunioides</i> var <i>flumenlupinum</i>	62, 91, 134
<i>Leucadendron burchellii</i>	62, 94, 142
<i>Leucadendron cadens</i>	62, 91, 144
<i>Leucadendron chamelaea</i>	62, 88, 141
<i>Leucadendron cinereum</i>	62, 89, 139
<i>Leucadendron comosum</i> ssp <i>homeophyllum</i>	62, 87, 141
<i>Leucadendron concavum</i>	62, 91, 135
<i>Leucadendron coriaceum</i>	62, 91, 154, 155
<i>Leucadendron corymbosum</i>	62, 89, 102, 139
<i>Leucadendron cryptocephalum</i>	62, 88, 151, 153
<i>Leucadendron diemontianum</i>	62, 91, 135, 141
<i>Leucadendron discolor</i>	62, 91, 134
<i>Leucadendron elimense</i> ssp <i>elimense</i>	62, 88, 151
<i>Leucadendron elimense</i> ssp <i>salteri</i>	62, 89, 151
<i>Leucadendron elimense</i> ssp <i>vyeboomense</i>	62, 88, 151
<i>Leucadendron ericifolium</i>	62, 88, 143, 145, 153
<i>Leucadendron flexuosum</i>	62, 88, 141
<i>Leucadendron floridum</i>	62, 88, 149
<i>Leucadendron galpinii</i>	62, 91, 155
<i>Leucadendron globosum</i>	62, 89, 151
<i>Leucadendron levisanus</i>	63, 88, 139, 149
<i>Leucadendron linifolium</i>	63, 94, 152, 154, 155
<i>Leucadendron macowanii</i>	63, 88, 149
<i>Leucadendron modestum</i>	63, 89, 151
<i>Leucadendron nervosum</i>	63, 91, 141
<i>Leucadendron orientale</i>	63, 94, 148
<i>Leucadendron platyspermum</i>	63, 89, 151, 170
<i>Leucadendron radiatum</i>	63, 92, 144, 145
<i>Leucadendron remotum</i>	63, 92, 131
<i>Leucadendron roodii</i>	63, 88, 130

<i>Leucadendron rourkei</i>	63, 92, 146
<i>Leucadendron sericeum</i>	63, 94, 135
<i>Leucadendron singulare</i>	63, 92, 146
<i>Leucadendron spirale</i>	63, 87, 141
<i>Leucadendron stellare</i>	63, 94, 134, 140
<i>Leucadendron stelligerum</i>	63, 89, 151
<i>Leucadendron thymifolium</i>	63, 88, 139
<i>Leucadendron tradouwense</i>	63, 88, 143
<i>Leucadendron verticillatum</i>	63, 88, 139
<i>Leucospermum arenarium</i>	63, 92, 134
<i>Leucospermum bolusii</i>	63, 92, 150
<i>Leucospermum cordatum</i>	63, 92, 150
<i>Leucospermum formosum</i>	63, 92, 141, 145, 146
<i>Leucospermum fulgens</i>	63, 92, 154
<i>Leucospermum glabrum</i>	63, 89, 146
<i>Leucospermum muirii</i>	63, 92, 155
<i>Leucospermum mundii</i>	63, 92, 144, 145
<i>Leucospermum parile</i>	63, 89, 139
<i>Leucospermum pedunculatum</i>	63, 92, 151
<i>Leucospermum pluridens</i>	63, 92, 145, 146
<i>Leucospermum praecox</i>	63, 94, 155
<i>Leucospermum profugum</i>	63, 88, 133
<i>Leucospermum saxosum</i>	64, 80, 112
<i>Leucospermum secundifolium</i>	64, 92, 145
<i>Leucospermum tomentosum</i>	64, 92, 139
<i>Lightfootia brachyphylla</i>	18, 99, 135, 143
<i>Lightfootia effusa</i>	18, 99, 143
<i>Lightfootia microphylla</i>	18, 99, 154
<i>Lightfootia multicaulis</i>	18, 99, 135
<i>Lightfootia multiflora</i>	19, 99, 155
<i>Lightfootia pauciflora</i>	19, 99, 145
<i>Lightfootia planifolia</i>	19, 99, 145, 155
<i>Lightfootia squarrosa</i>	19, 99, 154, 155
<i>Lightfootia umbellata</i>	19, 99, 134
Liliaceae	46
<i>Limonium acuminatum</i>	61, 89, 133, 138, 139
<i>Limonium capense</i>	61, 94, 138, 140

Linaceae	50
Linociera battiscombei	54, 80, 109, 110, 111
Liparia splendens	46, 99, 153, 155
Lithops comptonii	52, 88, 135, 141
Lithops divergens	52, 89, 127, 129, 130
Lithops salicola	52, 89, 128
Lithospermum flexuosum	17, 99, 136
Livingstone	104
Lobelia capillipes	19, 99, 153
Lobelia dasyphylla	19, 99, 144
Lobelia disperma	19, 99, 153
Lobelia hypsibata	19, 99, 144
Lobelia laurentioides	19, 99, 153
Lobelia montaguensis	19, 99, 146
Lobelia nugax	19, 99, 143
Lobelia zwartkopensis	19, 89, 147
Lobostemon bolusii	17, 89, 149, 151
Lobostemon collinus	17, 99, 153, 154
Lobostemon gracilis	17, 99, 143, 154
Lobostemon grandiflorus	17, 99, 153, 154
Lobostemon horridus	17, 99, 144
Lobostemon hottentoticus	17, 99, 132, 134, 150
Lobostemon inconspicuus	17, 99, 153
Lobostemon lucidus	17, 99, 147, 153
Lobostemon muirii	17, 99, 144, 145
Loeriesfontein	129
Lonchostoma esterhuyensiae	17, 94, 152
Louwsburg	118
Loxton	132
Luderitz	107
Lumnitzera racemosa	22, 84, 118
Lydenburg	114
Lythraceae	50
Maasstroom	109
Macrorungia longistrobus	10, 81, 113, 115
Macrostylis cauliflora	72, 88, 151
Mafeking	109

Mairia decumbens	25, 99, 143, 153
Malpighiaceae	50
Maltahohe	106
Malvaceae	50
Manulea glandulosa	73, 99, 131
Map of threatened taxa	160
Marakabei	123
Marasmodes dummeri	25, 94, 140
Marasmodes oligocephalus	25, 99, 140, 143, 153
Marasmodes undulata	25, 87, 139
Marsilea schelpeana	50, 89, 133, 147
Marsiliaceae	50
Maseru	123
Massonia laeta	49, 99, 129
Massonia nervosa	49, 94, 133, 140
Matatiele	123
Mata-Mata	125
Matricaria schlechteri	25, 99, 128, 134
Maughaniella luckhoffii	52, 94, 130
Maun	108
Maytenus oxycarpa	21, 81, 110
Maytenus pubescens	21, 81, 110
Mbabane	116
Meliaceae	51
Melinis tenuissima	35, 81, 111
Merweville	136
Mesembryanthemaceae	51
Messina	109
Metalasia bodkinii	25, 99, 153
Metalasia erectifolia	25, 99, 155
Metalasia schlechteri	25, 99, 143
Metalasia tricolor	25, 99, 146
Mimetes capitulatus	64, 92, 150, 151
Mimetes hottentoticus	64, 88, 149
Mimetes palustris	64, 92, 146, 151
Mimetes splendidus	64, 92, 144, 145
Mimetes stokoei	64, 87, 151



<i>Monadenia ecalcarata</i>	57, 92, 150
<i>Monadenia leydenbergensis</i>	57, 81, 114
<i>Monadenia macrostachya</i>	57, 88, 129
<i>Monadenia physodes</i>	57, 94, 129, 140, 146, 150
<i>Monadenia pygmaea</i>	57, 99, 150, 153
<i>Monadenia sabulosa</i>	57, 92, 139, 150
<i>Mondia whitei</i>	15, 81, 111
<i>Monopsis arenaria</i>	19, 99, 143
<i>Monopsis flava</i>	19, 99, 143
<i>Monopsis stricta</i>	19, 99, 147
Montagu	143
Moraceae	53
<i>Moraea aristata</i>	41, 88, 139
<i>Moraea barnardii</i>	41, 92, 151
<i>Moraea cooperi</i>	41, 92, 139, 141, 151
<i>Moraea gigandra</i>	41, 89, 133
<i>Moraea incurva</i>	41, 87, 141
<i>Moraea insolens</i>	41, 88, 151
<i>Moraea loubseri</i>	41, 87, 139, 172
<i>Moraea tulbaghensis</i>	41, 88, 141
<i>Morus mesozygia</i>	53, 84, 118, 119
Mossel Bay	155
<i>Mossia intervallaris</i>	52, 80, 115
Mtubatuba	121
<i>Muiria hortenseae</i>	52, 88, 136
<i>Muraltia aciphylla</i>	61, 94, 140
<i>Muraltia angustiflora</i>	61, 94, 142
<i>Muraltia barkerae</i>	61, 89, 154
<i>Muraltia calycina</i>	61, 89, 153
<i>Muraltia capensis</i>	61, 99, 153
<i>Muraltia carnosae</i>	61, 99, 146
<i>Muraltia chamaepitys</i>	61, 92, 151
<i>Muraltia comptonii</i>	61, 94, 150
<i>Muraltia concava</i>	61, 94, 152
<i>Muraltia cuspidata</i>	61, 94, 152
<i>Muraltia ferox</i>	61, 94, 142
<i>Muraltia gillettiae</i>	61, 99, 153

<i>Muraltia guthriei</i>	61, 92, 150
<i>Muraltia harveyana</i>	61, 94, 140
<i>Muraltia hirsuta</i>	61, 94, 152
<i>Muraltia karroica</i>	61, 94, 144, 145
<i>Muraltia pappeana</i>	61, 99, 154, 155
<i>Muraltia pottebergensis</i>	61, 99, 153, 154
<i>Muraltia satureioides</i> var <i>salteri</i>	61, 88, 149
<i>Muraltia serrata</i>	61, 99, 143
<i>Muraltia spicata</i>	61, 99, 153
Musaceae	53
Myrsinaceae	53
<i>Myrsine pillansii</i>	53, 80, 82, 84, 113, 116, 120
Myrtaceae	54
<i>Mystacidium millarii</i>	57, 84, 122
Namutoni	105
Natal	83, 118
Nature reserves	172
Nauchas	106
<i>Nelia pillansii</i>	52, 94, 126
<i>Nelia schlechteri</i>	52, 94, 127
<i>Nemesia glaucescens</i>	73, 99, 129
<i>Nemesia hastata</i>	73, 99, 133
<i>Nemesia micrantha</i>	74, 94, 150
<i>Nemesia pallida</i>	74, 99, 136
<i>Nemesia picta</i>	74, 92, 141
<i>Nemesia strumosa</i>	74, 92, 139
<i>Neobolusia tysonii</i>	57, 80, 84, 111, 113, 114, 118
<i>Neohenricia sibbettii</i>	52, 83, 117
<i>Neopatersonia namaquensis</i>	49, 92, 128
<i>Neopatersonia uitenhagensis</i>	49, 99, 148
<i>Neorosea andongensis</i>	70, 80, 109, 110
<i>Nerine bowdeni</i>	12, 83, 87, 99, 117, 124, 133
<i>Nerine gibsonii</i>	12, 86, 124
<i>Nerine gracilis</i>	12, 80, 115
<i>Nerine huttoniae</i>	12, 99, 137, 148
<i>Nerine masonorum</i>	12, 87, 124
<i>Nerine pancratioides</i>	12, 85, 120, 121, 122

<i>Nerine platypetala</i>	12, 83, 85, 117, 118
<i>Nerine pudica</i>	12, 92, 141, 151
<i>Nervilia kotschyi</i>	57, 79, 113, 114
<i>Nervilia natalensis</i>	57, 81, 85, 111, 113, 119
<i>Nivenia concinna</i>	41, 94, 152
<i>Nivenia dispar</i>	41, 99, 153
<i>Nivenia fruticosa</i>	41, 99, 144, 145
<i>Nivenia levynsiae</i>	41, 92, 150, 151
<i>Nivenia stokoei</i>	41, 94, 150, 152
Nkandla	120
<i>Nuxia glomerulata</i>	18, 80, 82, 113, 115, 116
Nylstroom	112
<i>Nymphaea lotus</i>	54, 78, 79, 80, 84, 102, 103, 108, 113
Nymphaeaceae	54
<i>Oberonia disticha</i>	57, 81, 111
<i>Obetia carruthersiana</i>	76, 78, 105, 106
<i>Ochna glauca</i>	54, 81, 109
Ochnaceae	54
<i>Ocotea kenyanensis</i>	44, 80, 84, 111, 112, 114, 115, 119
Ohopoho	104
Okahakana	104
Okaukuejo	105
<i>Oldenburgia arbuscula</i>	25, 92, 147, 148
<i>Oldenburgia papionum</i>	25, 92, 141
Oleaceae	54
Ondangua	103
<i>Oophytum oviforme</i>	52, 94, 127, 130
Ophioglossaceae	54
<i>Ophioglossum bergianum</i>	54, 99, 135, 140, 150
<i>Ophthalmophyllum australe</i>	52, 94, 129
<i>Ophthalmophyllum haramoepense</i>	52, 94, 127
<i>Ophthalmophyllum littlewoodii</i>	52, 99, 127
<i>Ophthalmophyllum longitubum</i>	52, 99, 127
<i>Ophthalmophyllum noctiflorum</i>	52, 99, 126
<i>Ophthalmophyllum spathulatum</i>	52, 99, 127
<i>Ophthalmophyllum vanheerdei</i>	52, 99, 128

<i>Ophthalmophyllum verrucosum</i>	52, 94, 127, 130
<i>Ophthalmophyllum villetii</i>	52, 94, 128
Orange Free State	83, 117
Oranjemund	125
<i>Orbea longidens</i>	15, 84, 118, 119
<i>Orbea maculata</i>	15, 79, 82, 109, 116
<i>Orbea woodii</i>	15, 81, 85, 109, 120, 121
<i>Orbeanthus conjuncta</i>	15, 80, 109, 111
<i>Orbeanthus hardyi</i>	15, 81, 109, 112, 113
<i>Orbeanthus paradoxa</i>	15, 80, 84, 113, 115, 118, 119
<i>Orbeopsis gerstneri</i> ssp <i>elongata</i>	15, 80, 112
<i>Orbeopsis gerstneri</i> ssp <i>gerstneri</i>	15, 84, 119
Orchidaceae	54
<i>Oreosyce africana</i>	30, 81, 111, 113
<i>Ornithogalum inclusum</i>	49, 99, 132
<i>Ornithogalum secundum</i>	49, 94, 140, 152
<i>Orothamnus zeyheri</i>	64, 88, 149
<i>Orthopenthea bodkini</i>	57, 92, 139, 151
<i>Orthopenthea minor</i>	57, 92, 141, 152
<i>Osteospermum aciphyllum</i>	25, 92, 134, 141, 145, 152
<i>Osteospermum armatum</i>	25, 99, 126, 127, 128
<i>Osteospermum elsieae</i>	25, 92, 154
<i>Osteospermum hafstroemii</i>	25, 92, 154
<i>Osteospermum hirsutum</i>	25, 87, 139
<i>Osteospermum hispidum</i> var <i>viride</i>	25, 94, 140
<i>Osteospermum pterigoideum</i>	25, 99, 146, 156
<i>Osteospermum wallianum</i>	25, 99, 150
<i>Othonna abrotanifolia</i>	25, 99, 127, 131
<i>Othonna cacalioides</i>	25, 99, 132
<i>Othonna cakilefolia</i>	25, 99, 131
<i>Othonna hallii</i>	25, 92, 130
<i>Othonna lasiocarpa</i>	25, 99, 127, 144
<i>Othonna lepidocaulis</i>	25, 99, 129, 131
<i>Othonna linearifolia</i>	25, 99, 144
<i>Othonna membranifolia</i>	25, 94, 148, 156
<i>Othonna minima</i>	25, 92, 130
<i>Othonna miser</i>	25, 99, 136, 143

<i>Othonna papaveroides</i>	25, 99, 131
<i>Othonna patula</i>	25, 99, 133
<i>Othonna pinnatilobata</i>	25, 99, 144
<i>Othonna pteronioides</i>	25, 92, 144
<i>Othonna rechingeri</i>	26, 99, 132
<i>Othonna spinescens</i>	26, 99, 133, 144
<i>Othonna tephrosioides</i>	26, 99, 134, 140, 144
Otjihorongo	105
Otjimbingwe	106
Otjiwarongo	105
Oudtshoorn	145
Oxalidaceae	58,
<i>Oxalis anomala</i>	58, 99, 144, 145
<i>Oxalis attaquana</i>	58, 99, 146
<i>Oxalis blastorrhiza</i>	58, 99, 131
<i>Oxalis burtoniae</i>	58, 94, 133, 140, 152
<i>Oxalis callimarginata</i>	58, 99, 143
<i>Oxalis calvinensis</i>	58, 99, 132
<i>Oxalis cathara</i>	58, 99, 128, 129
<i>Oxalis ciliaris</i> var <i>pageae</i>	58, 99, 144
<i>Oxalis comptonii</i>	58, 99, 131
<i>Oxalis creaseyi</i>	58, 99, 129
<i>Oxalis crispula</i>	58, 99, 131
<i>Oxalis crispula</i> var <i>glandulosa</i>	58, 99, 131
<i>Oxalis crocea</i>	58, 99, 127
<i>Oxalis cuneata</i>	58, 99, 129
<i>Oxalis deserticola</i>	58, 92, 130
<i>Oxalis dichotoma</i>	58, 99, 145
<i>Oxalis duriuscula</i>	58, 99, 147, 153, 154
<i>Oxalis extensa</i>	58, 99, 126, 128
<i>Oxalis fourcadei</i>	58, 99, 146, 147
<i>Oxalis fragilis</i>	58, 94, 140
<i>Oxalis fragilis</i> var <i>pellucida</i>	58, 94, 140
<i>Oxalis heidelbergensis</i>	59, 99, 147, 154
<i>Oxalis henrici</i>	59, 100, 143
<i>Oxalis involuta</i>	59, 92, 139, 141
<i>Oxalis ioeides</i>	59, 100, 146

<i>Oxalis lasiorrhiza</i>	59, 100, 132
<i>Oxalis levis</i>	59, 89, 139
<i>Oxalis lichenoides</i>	59, 92, 129, 130
<i>Oxalis lindaviana</i>	59, 94, 134, 142
<i>Oxalis lineolata</i>	59, 94, 131, 135
<i>Oxalis luteola</i> var <i>minor</i>	59, 100, 134
<i>Oxalis marlothii</i>	59, 100, 136
<i>Oxalis massoniana</i> var <i>massoniana</i>	59, 100, 132
<i>Oxalis massoniana</i> var <i>flavescens</i>	59, 100, 132
<i>Oxalis melanograptia</i>	59, 92, 130
<i>Oxalis melanosticta</i> var <i>latifolia</i>	59, 100, 132
<i>Oxalis microdonta</i>	59, 94, 144
<i>Oxalis natans</i>	59, 88, 139, 141, 149
<i>Oxalis oligophylla</i>	59, 100, 131
<i>Oxalis orbicularis</i>	59, 100, 144
<i>Oxalis oreithala</i>	59, 100, 131
<i>Oxalis oreophila</i>	59, 100, 135
<i>Oxalis perineson</i>	59, 89, 139
<i>Oxalis porphyriosiphon</i>	59, 100, 136
<i>Oxalis pulvinata</i>	59, 100, 132
<i>Oxalis purpurata</i>	59, 100, 132
<i>Oxalis reclinata</i>	59, 100, 131
<i>Oxalis reclinata</i> var <i>gracillima</i>	59, 100, 128, 129
<i>Oxalis reclinata</i> var <i>quinata</i>	59, 100, 131
<i>Oxalis rhomboidea</i>	59, 100, 131
<i>Oxalis rubro-punctata</i>	59, 100, 132
<i>Oxalis senecta</i>	59, 92, 129, 130
<i>Oxalis simplex</i>	60, 100, 131, 136
<i>Oxalis stellata</i> var <i>montaguensis</i>	60, 100, 144
<i>Oxalis stellata</i> var <i>gracilior</i>	60, 100, 146
<i>Oxalis sessilis</i>	60, 94, 138, 140
<i>Oxalis tenuis</i>	60, 100, 131
<i>Oxalis virginea</i>	60, 92, 128
<i>Oxyanthus latifolius</i>	70, 84, 118, 119
<i>Oxyanthus pyriformis</i>	70, 84, 119, 122
<i>Ozoroa concolor</i>	12, 78, 100, 107, 126
<i>Ozoroa insignis</i> ssp <i>latifolia</i>	13, 78, 106

<i>Pachites apressa</i>	57, 95, 144
<i>Pachites bodkini</i>	57, 89, 102, 149, 151
<i>Pachypodium namaquanum</i>	13, 89, 126, 127
<i>Pachypodium saundersii</i>	13, 81, 82, 85, 102, 109, 111, 113, 114
Pafuri	110
Palmae : see <i>Arecaceae</i>	14
<i>Paranomus adiantifolius</i>	64, 92, 141, 152
<i>Paranomus capitatus</i>	64, 92, 141
<i>Paranomus centaureoides</i>	64, 95, 145
<i>Paranomus diversifolius</i>	64, 92, 141, 145, 155
<i>Paranomus esterhuysenae</i>	64, 95, 147
<i>Paranomus longicaulis</i>	64, 89, 145
<i>Passerina burchellii</i>	75, 92, 141
<i>Passerina paludosa</i>	75, 88, 139, 149
<i>Passifloraceae</i>	60
<i>Pavetta barbertonensis</i>	70, 80, 82, 84, 115, 116, 118, 119
<i>Pavetta gerstneri</i>	70, 84, 118, 119
<i>Pavetta microlancea</i>	70, 80, 115
<i>Pectinaria stayneri</i>	15, 100, 154
<i>Pedaliaceae</i>	60
Peddie	148
<i>Pellaea namaquensis</i>	10, 100, 131, 132, 134, 136, 140
<i>Pellaea rufa</i>	10, 100, 136, 144, 146
<i>Penaeaceae</i>	60
<i>Pentameris obtusifolia</i>	35, 100, 153
<i>Pentaschistis burchellii</i>	35, 100, 155
<i>Pentaschistis heterochaeta</i>	35, 100, 132
<i>Pentaschistis hirsuta</i>	35, 100, 134
<i>Pentaschistis zeyheri</i>	35, 100, 140, 148, 150
<i>Pentzia trifida</i>	26, 100, 153, 154
Phalaborwa	111
<i>Pherolobus maughani</i>	52, 95, 131
<i>Phylica affinis</i>	68, 100, 132
<i>Phylica agathosmoides</i>	68, 100, 132
<i>Phylica alpina</i>	68, 100, 136
<i>Phylica altigena</i>	68, 100, 136

<i>Phylica amoena</i>	68, 100, 153
<i>Phylica ampliata</i>	68, 88, 141
<i>Phylica anomala</i>	68, 100, 153
<i>Phylica apiculata</i>	68, 100, 153
<i>Phylica barbata</i>	68, 100, 136
<i>Phylica brachycephala</i>	68, 100, 144
<i>Phylica brevifolia</i>	68, 92, 152, 154
<i>Phylica burchellii</i>	68, 100, 153
<i>Phylica chionocephala</i>	68, 100, 136, 143
<i>Phylica comosa</i>	68, 100, 143
<i>Phylica cuspidata</i>	68, 100, 134
<i>Phylica diosmoides</i>	68, 100, 153
<i>Phylica floribunda</i>	68, 100, 153, 154
<i>Phylica glabrata</i>	68, 100, 150
<i>Phylica greyii</i>	68, 95, 138
<i>Phylica guthriei</i>	68, 100, 143
<i>Phylica incurvata</i>	68, 100, 153
<i>Phylica laevifolia</i>	68, 100, 153
<i>Phylica laevigata</i>	68, 100, 154, 155
<i>Phylica laevis</i>	68, 100, 153
<i>Phylica lasiantha</i>	68, 100, 154
<i>Phylica leipoldtii</i>	68, 100, 136
<i>Phylica levynsiae</i>	68, 100, 136, 143
<i>Phylica linifolia</i>	68, 100, 153
<i>Phylica longimontana</i>	68, 100, 145
<i>Phylica lucens</i>	69, 100, 143
<i>Phylica lucida</i>	69, 100, 153, 154
<i>Phylica maximiliani</i>	69, 100, 136
<i>Phylica nigromontana</i>	69, 100, 145, 146
<i>Phylica nodosa</i>	69, 100, 143
<i>Phylica parvula</i>	69, 89, 151, 153
<i>Phylica pauciflora</i>	69, 100, 136, 143
<i>Phylica pearsonii</i>	69, 100, 127
<i>Phylica recurvifolia</i>	69, 100, 144
<i>Phylica retrorsa</i>	69, 100, 129
<i>Phylica reversa</i>	69, 100, 143
<i>Phylica salteri</i>	69, 100, 136



<i>Phylica schlechteri</i>	69, 95, 140
<i>Phylica sericea</i>	69, 100, 145
<i>Phylica simii</i>	69, 95, 138
<i>Phylica stenopetala</i>	69, 95, 142
<i>Phylica trachyphylla</i>	69, 100, 143
<i>Phylica tysoni</i>	69, 87, 124
<i>Phylica tysoni</i> var <i>brevifolia</i>	69, 87, 124
<i>Phylica wittebergensis</i>	69, 100, 144
<i>Phyllanthus cedrelifolius</i>	34, 87, 125
<i>Phyllanthus kirkianus</i>	34, 80, 109, 110
<i>Phymaspermum schroeteri</i>	26, 92, 144
Pietermaritzburg	122
Pietersburg	110
<i>Pilea rivularis</i>	76, 80, 109, 111
Pilgrims Rest	112
<i>Pleiospilos hilmari</i>	52, 88, 143, 145
<i>Pleiospilos kingiae</i>	52, 100, 147
<i>Pleiospilos leipoldtii</i>	52, 95, 147
<i>Pleiospilos prismaticus</i>	52, 88, 130, 141, 143
Plumbaginaceae	61
Plumtree	108
Poaceae : see Gramineae	35
Pofadder	127
<i>Polycarena capitatum</i>	74, 95, 134, 140, 144, 150
<i>Polycarena filiformis</i>	74, 100, 132
<i>Polycarena gracilipes</i>	74, 100, 129
<i>Polycarena minimum</i>	74, 100, 129, 132, 143
<i>Polycarena multifolium</i>	74, 100, 146, 154
<i>Polycarena parvula</i>	74, 100, 134, 143
<i>Polycarena sordidum</i>	74, 100, 140
<i>Polygala dasyphylla</i>	61, 95, 152
<i>Polygala langebergensis</i>	61, 95, 145
<i>Polygala lasiosepala</i>	61, 100, 128, 129, 131
<i>Polygala pottebergensis</i>	61, 95, 154
Polygalaceae	61
<i>Polystachya albescens</i> ssp <i>imbricata</i>	57, 81, 111
<i>Polyxena corymbosa</i>	49, 100, 133, 140

Population growth, human	1
Population, minimum safe size	172
Port Edward	125
Port Elizabeth	147
Port Nolloth	126
Port Shepstone	122
Port St Johns	124
Porto Velho	103
Potchefstroom	115
Pretoria	113
Prieska	128
<i>Prionanthium ecklonii</i>	35, 100, 134, 143
<i>Prionanthium pholiuroides</i>	35, 88, 139
<i>Prionanthium rigidum</i>	35, 100, 132
<i>Prismatocarpus cordifolius</i>	19, 92, 150, 152
<i>Prismatocarpus decurrens</i>	19, 100, 136
<i>Prismatocarpus fastigiatus</i>	19, 100, 129, 131
<i>Prismatocarpus hispidus</i>	19, 100, 145, 146
<i>Prismatocarpus implicatus</i>	19, 100, 143
<i>Prismatocarpus pauciflorus</i>	19, 100, 132, 136
<i>Prismatocarpus pilosus</i>	19, 100, 136
<i>Prismatocarpus spinosus</i>	19, 100, 154
<i>Protea angustata</i>	64, 89, 102, 149
<i>Protea comptonii</i>	64, 80, 114, 115
<i>Protea convexa</i>	64, 92, 144
<i>Protea curvata</i>	64, 81, 115
<i>Protea denticulata</i>	64, 95, 154
<i>Protea holosericea</i>	64, 88, 141
<i>Protea laetans</i>	64, 81, 113
<i>Protea lanceolata</i>	64, 89, 151, 154
<i>Protea minor</i>	64, 89, 151
<i>Protea mucronifolia</i>	64, 88, 141
<i>Protea odorata</i>	64, 88, 139
<i>Protea oleracea</i>	64, 92, 141, 150, 152
<i>Protea pityphylla</i>	64, 92, 141
<i>Protea pruinosa</i>	64, 89, 145
<i>Protea roupelliae</i> var <i>hamiltonii</i>	64, 80, 114

<i>Protea rubropilosa</i>	64, 80, 111, 112, 114
<i>Protea transvaalensis</i>	65, 80, 109, 111
<i>Protea vogtsiae</i>	65, 95, 147
Proteaceae	62
<i>Pseudobaeckea stokoei</i>	17, 92, 152
<i>Pseudobersama mossambicensis</i>	51, 84, 118
<i>Pseudosalacia streyii</i>	21, 84, 86, 122, 125
<i>Pseudoscolopia polyantha</i>	34, 85, 87, 123, 125
<i>Psilothonna speciosa</i>	26, 89, 139
<i>Pteronia inflexa</i>	26, 100, 131, 136
<i>Pteronia pillansii</i>	26, 100, 129, 131
<i>Pteronia scabra</i>	26, 100, 153
<i>Pteronia tenuifolia</i>	26, 100, 153
<i>Pterothrix cymbaefolia</i>	26, 100, 131
<i>Pterothrix flaccida</i>	26, 100, 129, 143
<i>Pterothrix perotrichoides</i>	26, 100, 140, 143, 144
Queenstown	133
<i>Rabiea jamesii</i>	52, 95, 137
Rakops	108
Ranunculaceae	66
<i>Ranunculus capensis</i>	66, 100, 140, 150, 155
<i>Rapanea gilliana</i>	53, 89, 147, 148, 156
<i>Raphia australis</i>	14, 84, 118
Rare : definition	9
<i>Raspalia barnardii</i>	17, 95, 144
<i>Raspalia schlechteri</i>	17, 92, 145
<i>Relhania conferta</i>	26, 100, 129
<i>Relhania decussata</i>	26, 100, 147
<i>Relhania garnotii</i>	26, 101, 154, 155
<i>Relhania multipunctata</i>	26, 101, 136
<i>Relhania rotundifolia</i>	26, 88, 139
<i>Relhania steyniae</i>	26, 101, 155
<i>Relhania tricephala</i>	26, 101, 143, 144
<i>Restio acockii</i>	66, 88, 139
<i>Restio aureolus</i>	66, 95, 142
<i>Restio brunneus</i>	66, 92, 135
<i>Restio cascadiensis</i>	66, 92, 150

<i>Restio coactilis</i>	66, 89, 102
<i>Restio communis</i>	66, 89, 149
<i>Restio distans</i>	67, 92, 150
<i>Restio dodii</i> var <i>dodii</i>	67, 92, 150
<i>Restio dodii</i> var <i>purpureus</i>	67, 88, 151, 153
<i>Restio duthieae</i>	67, 89, 139, 149
<i>Restio esterhuyseniae</i>	67, 92, 141
<i>Restio festucaeformis</i>	67, 89, 149, 151
<i>Restio filicaulis</i>	67, 101, 143
<i>Restio fuscidulus</i>	67, 92, 142
<i>Restio fusiformis</i>	67, 92, 150
<i>Restio harveyi</i>	67, 88, 139, 149, 151
<i>Restio involutus</i>	67, 92, 150
<i>Restio micans</i>	67, 92, 139
<i>Restio papyraceus</i>	67, 92, 145
<i>Restio quinquefarius</i>	67, 89, 135, 139, 149
<i>Restio sabulosus</i>	67, 88, 139, 151
<i>Restio scaber</i>	67, 89, 151
<i>Restio setiger</i>	67, 101, 136
<i>Restio subcompressus</i>	67, 95, 142, 150
<i>Restio tuberculatus</i>	67, 101, 136
<i>Restio vilis</i>	67, 92, 128, 129
Restionaceae	66
Rhamnaceae	68
<i>Rhigiophyllum squarrosum</i>	19, 101, 153
<i>Rhinephyllum inaequale</i>	52, 95, 137
Rhizophoraceae	69
<i>Rhus batophylla</i>	13, 81, 113
<i>Rhus crispa</i>	13, 86, 92, 125, 138
<i>Rhus krebsiana</i>	13, 85, 101, 121, 137, 138
<i>Rhus rogersii</i>	13, 80, 114, 115
<i>Rhynchocalyx lawsonioides</i>	50, 84, 122
Rietbron	137
Riversdale	154
<i>Roella bryoides</i>	19, 101, 129, 140, 143, 153
<i>Roella cuspidata</i> var <i>hispida</i>	19, 101, 153, 154
<i>Roella goodiana</i>	19, 88, 149

<i>Roella latiloba</i>	19, 101, 134, 155
<i>Roella lightfootioides</i>	19, 101, 153
<i>Roella rhodantha</i>	19, 92, 154
<i>Romulea albomarginata</i>	41, 92, 135
<i>Romulea amoena</i>	41, 92, 131
<i>Romulea aquatica</i>	41, 89, 133, 139
<i>Romulea barkerae</i>	41, 92, 133
<i>Romulea biflora</i>	41, 92, 130, 135
<i>Romulea cedarbergensis</i>	41, 101, 136
<i>Romulea elliptica</i>	41, 89, 133
<i>Romulea eximia</i>	41, 89, 139
<i>Romulea hallii</i>	41, 101, 136
<i>Romulea hantamensis</i>	41, 92, 131
<i>Romulea jugicola</i>	41, 95, 146
<i>Romulea kamisensis</i>	41, 92, 128, 129
<i>Romulea komsbergensis</i>	41, 101, 136
<i>Romulea malaniae</i>	41, 101, 143
<i>Romulea membranacea</i>	41, 101, 132
<i>Romulea monadelpha</i>	41, 95, 131
<i>Romulea multifida</i>	41, 92, 136
<i>Romulea multisulcata</i>	41, 95, 132
<i>Romulea namaquensis</i> ssp <i>bolusii</i>	41, 101, 129
<i>Romulea namaquensis</i> ssp <i>namaquensis</i>	42, 101, 129
<i>Romulea oliveri</i>	42, 92, 129
<i>Romulea papyracea</i>	42, 87, 139
<i>Romulea saldanhensis</i>	42, 89, 134, 139
<i>Romulea sanguinalis</i>	42, 92, 131
<i>Romulea sinispinosensis</i>	42, 101, 131
<i>Romulea sladenii</i>	42, 92, 130
<i>Romulea sphaerocarpa</i>	42, 95, 142
<i>Romulea sulphurea</i>	42, 87, 135
<i>Romulea syringodeoflora</i>	42, 92, 136
<i>Romulea tortilis</i> var <i>dissecta</i>	42, 92, 129, 134
<i>Romulea tortilis</i> var <i>tortilis</i>	42, 92, 134, 135, 142
<i>Romulea toximontana</i>	42, 92, 130, 131
<i>Romulea vinacea</i>	42, 92, 134, 135
<i>Romulea viridibracteata</i>	42, 101, 132, 136

Rosaceae	69
Rosenia glandulosa	26, 101, 136
Ruacana falls	103
Rubiaceae	70
Runtu	103
Ruschia leipoldtii	52, 88, 141, 143
Ruspolia hypocrateriformis var australis	10, 79, 81, 108, 109, 110, 111, 113, 115
Rustenburg	116
Rutaceae	71
Saldanha	138
Sambio	104
Sanctuaries	173
Sanitatas	104
Saphesia flaccida	52, 88, 139
Sapindaceae	72
Sapotaceae	73
Satyrium foliosum	57, 89, 139, 143, 149
Satyrium guthriei	57, 87, 149
Satyrium microrrhynchum	58, 83, 85, 87, 117, 121, 124
Satyrium muticum	58, 88, 154, 155
Satyrium rhodanthum	58, 85, 120, 123
Sceletium expansum	52, 95, 147
Sceletium ovatum	52, 95, 144
Schizachrium brevifolius	35, 81, 111
Schizochilus gerrardii	58, 81, 85, 86, 114, 119, 124
Schizochilus pulchellus	58, 86, 124
Schizochilus rudatisii	58, 85, 123
Schizodium longipetalum	58, 95, 127, 134, 140, 142
Schizodium obliquum	58, 101, 150
Schrebera trichoclada	54, 78, 104
Schwantesia acutipetala	52, 95, 126
Schwantesia australis	53, 95, 127
Schwantesia pillansii	53, 95, 127
Schwantesia speciosa	53, 78, 95, 107, 127
Schwantesia triebneri	53, 95, 128
Scilla plumbea	49, 101, 143

<i>Sclerochiton triacanthus</i>	10, 81, 114, 115
<i>Scolopia oreophila</i>	34, 84, 118
<i>Scolopia stolzii</i>	34, 85, 118, 119, 121
Scrophulariaceae	73
<i>Secale africanum</i>	35, 95, 136
Seed bank	172
<i>Selaginella pygmaea</i>	74, 101, 150, 153, 155
Selaginellaceae	74
<i>Senecio addoensis</i>	26, 101, 148
<i>Senecio albopunctatus</i>	26, 101, 127
<i>Senecio anthemifolius</i>	26, 101, 153, 154
<i>Senecio coleophyllus</i>	26, 92, 142, 150, 152
<i>Senecio diodon</i>	26, 101, 134, 137, 143, 147
<i>Senecio erysimoides</i>	26, 101, 136, 144
<i>Senecio expansus</i>	26, 101, 140, 143
<i>Senecio foeniculoides</i>	26, 95, 140, 142, 150
<i>Senecio haworthii</i>	26, 101, 137, 144
<i>Senecio hirtellus</i>	26, 101, 148
<i>Senecio microspermus</i>	26, 101, 148, 155
<i>Senecio muirii</i>	26, 101, 155
<i>Senecio rehmanni</i>	27, 101, 143, 154
<i>Senecio serrurioides</i>	27, 101, 148
<i>Senecio succulentus</i>	27, 101, 143
<i>Senecio thunbergii</i>	27, 101, 140
<i>Senecio trachylaenus</i>	27, 101, 127
<i>Senecio trachyphyllus</i>	27, 101, 153
Senekal	117
<i>Serruria brownii</i>	65, 92, 139
<i>Serruria candicans</i>	65, 89, 102, 139
<i>Serruria ciliata</i>	65, 88, 139, 149
<i>Serruria cyanoides</i>	65, 92, 139, 150
<i>Serruria flava</i>	65, 92, 135
<i>Serruria florida</i>	65, 88, 141, 149, 170
<i>Serruria furcellata</i>	65, 88, 139
<i>Serruria hirsuta</i>	65, 92, 150
<i>Serruria incrassata</i>	65, 95, 140
<i>Serruria kraussii</i>	65, 92, 139, 150

<i>Serruria leipoldtii</i>	65, 92, 135
<i>Serruria linearis</i>	65, 92, 139
<i>Serruria meisneriana</i>	65, 92, 152
<i>Serruria millefolia</i>	65, 95, 130
<i>Serruria roxburghii</i>	65, 88, 139, 141
<i>Serruria trilopha</i>	65, 88, 139, 149
<i>Serruria triternata</i>	65, 92, 142
<i>Serruria zeyheri</i>	65, 92, 142
<i>Sesamothamnus benguellensis</i>	60, 78, 103
Sesfontein	105
Simaroubaceae	74
Simonstown	149
Singalamwe	104
Skoenmakerskop	156
Solanaceae	75
<i>Solanum crassifolium</i>	75, 95, 150
Somerset East	137
<i>Sonderothamnus speciosus</i>	60, 92, 152
<i>Sophora inhambanensis</i>	46, 85, 118, 119, 121
<i>Sorocephalus alopecurus</i>	65, 92, 142, 152
<i>Sorocephalus crassifolius</i>	65, 89, 151
<i>Sorocephalus imbricatus</i>	65, 88, 133, 141
<i>Sorocephalus palustris</i>	65, 88, 149
<i>Sorocephalus pinifolius</i>	65, 92, 152
<i>Sorocephalus scabridus</i>	65, 89, 103, 135
<i>Sorocephalus tenuifolius</i>	65, 88, 149, 151
<i>Sorocephalus teretifolius</i>	65, 92, 142
South-West Africa / Namibia	78, 103
<i>Sparaxis elegans</i>	42, 95, 132
<i>Sparaxis pillansii</i>	42, 92, 131
<i>Sparaxis tricolor</i>	42, 88, 131
<i>Spatalla ericoides</i>	65, 89, 151
<i>Spatalla nubicola</i>	65, 92, 144
<i>Spatalla propinqua</i>	65, 95, 142, 152
<i>Spatalla salsoloides</i>	65, 92, 142
<i>Spatalla tulbaghensis</i>	65, 89, 103
Speciation	168



<i>Sphalmanthus arenicolus</i>	53, 101, 129
<i>Spiloxene declinata</i>	12, 95, 152
<i>Spiloxene maximiliani</i>	12, 101, 134
<i>Spiloxene umbraticola</i>	12, 101, 136
Springbok	127
<i>Staavia dodii</i>	17, 88, 149
<i>Staavia phyllicoides</i>	17, 95, 132
<i>Staavia trichotoma</i>	17, 87, 151
<i>Staavia zeyheri</i>	17, 88, 151
<i>Staberoha multispicula</i>	67, 95, 152
<i>Staberoha stokoei</i>	67, 92, 146
<i>Stadmania oppositifolia</i> ssp <i>rhodesica</i>	73, 80, 111
Stanger	122
<i>Stapelia barklyi</i>	15, 95, 127
<i>Stapelia bijliae</i>	15, 101, 155
<i>Stapelia cincta</i>	15, 92, 129, 131, 132, 136
<i>Stapelia clavicorona</i>	15, 79, 109
<i>Stapelia concinna</i> var <i>concinna</i>	15, 88, 141
<i>Stapelia concinna</i> var <i>paniculata</i>	15, 92, 131
<i>Stapelia conformis</i>	15, 92, 147, 148
<i>Stapelia cylista</i>	15, 93, 130
<i>Stapelia divaricata</i>	16, 89, 137, 139, 153
<i>Stapelia dwequensis</i>	16, 88, 127, 143
<i>Stapelia erectiflora</i>	16, 93, 131, 134, 135
<i>Stapelia gariiepensis</i>	16, 101, 126
<i>Stapelia glanduliflora</i>	16, 89, 103, 130, 134
<i>Stapelia immelmaniae</i>	16, 89, 134
<i>Stapelia macowanii</i>	16, 95, 126, 137, 148
<i>Stapelia neliana</i>	16, 95, 126
<i>Stapelia nouhuysii</i>	16, 89, 131, 134
<i>Stapelia plantii</i>	16, 93, 147, 148
<i>Stapelia rubiginosa</i>	16, 93, 126
<i>Stapelia thudichumii</i>	16, 93, 131, 135, 136
<i>Stapelia umbonata</i>	16, 93, 126
<i>Stapelia vetula</i> var <i>simsii</i>	16, 101, 143
<i>Stapelia villetae</i>	16, 95, 132
<i>Stapeliopsis neronis</i>	16, 88, 125, 127

Statistics : regions	159
Statistics : summary	174
Statistics : taxa in families	164
Steinhausen	106
Stenoglottis longifolia	58, 85, 121
Sterculia alexandri	75, 93, 147
Sterculiaceae	75
Steynsburg	133
Steytlerville	147
Stilpnophytum inopinatum	27, 101, 144
Stilpnophytum oocephalum	27, 101, 143, 146, 154
Stoebe copholepis	27, 101, 153
Stoebe cyathuloides	27, 101, 153, 154
Stoebe ensori	27, 101, 147
Stoebe gomphrenoides	27, 89, 139, 149
Stoebe humilis	27, 93, 150, 152
Stoebe muirii	27, 93, 154, 155
Stoebe salteri	27, 89, 151, 154
Stoebe schultzii	27, 101, 153
Stomatium geoffreyi	53, 88, 137
Stomatium ronaldii	53, 88, 137
Strelitzia juncea	75, 93, 147
Strelitziaceae	75
Streptocarpus decipiens	34, 80, 112
Streptocarpus latens	35, 81, 114
Streptocarpus modestus	35, 87, 125
Streptocarpus pogonites	35, 80, 115
Streptocarpus porphyrostachys	35, 87, 125
Streptocarpus wendlandii	35, 84, 120
Strophanthus kombe	13, 81, 110
Strophanthus luteolus	13, 80, 85, 109, 118, 119
Strumaria picta	12, 101, 132
Strumaria salteri	12, 101, 131, 132, 136
Strumaria watermeyeri	12, 101, 132
Stutterheim	138
Stylapterus barbatus	60, 95, 150
Stylapterus dubius	60, 93, 144, 145

<i>Stylapterus ericifolius</i>	60, 93, 144, 154
<i>Stylapterus ericoides</i> ssp <i>ericoides</i>	60, 89, 103
<i>Stylapterus ericoides</i> ssp <i>pallidus</i>	60, 93, 142
<i>Stylapterus micranthus</i>	60, 87, 151
<i>Suregada zanzibariensis</i>	34, 85, 118, 119
Surveys : data on each habitat	7
Surveys : data on each species	5
Surveys : threatened taxa	3
<i>Sutera atrocaerulea</i>	74, 101, 147
<i>Sutera cephalotes</i>	74, 101, 143, 153, 154
<i>Sutera cephalotes</i> var <i>glabrata</i>	74, 101, 153
<i>Sutera divaricata</i>	74, 101, 132
<i>Sutera esculenta</i>	74, 89, 131, 132
<i>Sutera gracilis</i>	74, 101, 132
<i>Sutera infundibuliformis</i>	74, 101, 148, 154
<i>Sutera intertexta</i>	74, 101, 148
<i>Sutera macrantha</i>	74, 81, 85, 113, 118
<i>Sutera stenopetala</i>	74, 101, 132
<i>Sutera subnuda</i>	74, 101, 145
Sutherland	136
Swakopmund	106
Swartbooisdrif	103
Swaziland	82, 116
<i>Synnotia roxburghii</i>	42, 95, 134
<i>Syringodea derustensis</i>	42, 93, 146
<i>Syringodea flanaganii</i>	42, 87, 101, 124, 138, 148
<i>Syringodea pulchella</i>	42, 101, 133, 137
<i>Syringodea saxatilis</i>	42, 101, 145
<i>Tapura fischeri</i>	30, 85, 118, 119, 121
<i>Tetrraria brachyphylla</i>	30, 101, 140, 150
Thabazimbi	111
<i>Thaminophyllum mundtii</i>	27, 93, 152
<i>Thaminophyllum pauciflorum</i>	27, 101, 153
<i>Thamnea depressa</i>	17, 87, 141, 151
<i>Thamnea gracilis</i>	17, 95, 144
<i>Thamnea uniflora</i>	17, 87, 141, 149
<i>Thamnochortus acuminatus</i>	67, 93, 142

Thamnochortus dumosus	67, 90, 151
Thamnochortus ellipticus	67, 95, 145
Thamnochortus fraternus	67, 93, 150
Thamnochortus guthrieae	67, 93, 152
Thamnochortus muirii	67, 90, 146, 153, 154, 155
Thamnochortus nervosus	67, 101, 153
Thamnochortus nutans	67, 93, 139, 146, 150
Thamnochortus pellucidus	67, 90, 149, 151
Thamnochortus pluristachyus	67, 90, 151, 153
Thamnochortus punctatus	67, 93, 139, 150
Thelypteridaceae	75
Thereianthus racemosus	42, 93, 134, 135, 142
Threatened families	157
Threatened families : list	162
Threatened habitats	4
Threatened taxa in families	164
Threatened taxa in regions	159
Threatened : definition	9
Threats to species : sample set	161
Thymelaeaceae	75
Tiliaceae	76
Tourism and flora	170
Trachyandra adamsonii	50, 101, 131
Trachyandra gracilentia	50, 101, 132
Transkei	86, 123
Transvaal	79, 109
Trekkopje	106
Triaspis glaucophylla	50, 80, 112, 113
Trichocaulon alstoni	16, 95, 126, 127, 128
Trichocaulon annulatum	16, 93, 137, 146
Trichocaulon cinereum	16, 93, 126, 127
Trichocaulon halenbergense	16, 101, 126
Trichocaulon keetmanshoopense	16, 95, 126
Trichocaulon kubusense	16, 95, 126
Trichocaulon pictum	16, 95, 127, 128
Trichocaulon pillansii	16, 88, 130, 133, 143
Trichocaulon rusticum	16, 101, 128

Trichocaulon simile	16, 101, 126, 127, 128, 131
Trichocaulon truncatum	16, 93, 127
Trichodiadema aurea	53, 95, 147
Trichodiadema burgeri	53, 93, 146
Trichodiadema densum	53, 93, 144, 146
Trichodiadema hallii	53, 93, 145
Trichodiadema obliquum	53, 95, 137
Trichodiadema peersii	53, 95, 147
Trichodiadema pygmaeum	53, 95, 154
Trichodiadema rogersiae	53, 95, 137
Trichodiadema rupicolum	53, 95, 148
Tridentea baylissii	16, 95, 147
Tridentea choananthus	16, 95, 145
Tridentea longii	16, 95, 132, 136, 148
Tridentea parvipuncta	16, 95, 135, 144
Tridentea umdausensis	16, 95, 127
Tridentea virescens	16, 101, 128, 130
Tritonia kamisbergensis	42, 101, 127
Tritoniopsis elongata	42, 95, 140, 142, 152
Tritoniopsis flexuosa	42, 90, 151
Teitoniopsis latifolia	42, 93, 135
Tropical forests	1
Tsumeb	105
Tsunkwe	105
Turbina shirensis	28, 80, 110
Turbina stenosphon	28, 80, 109, 111
Turraea zambesica	51, 78, 79, 104, 108
Tylecodon cacalioides	29, 90, 145, 146, 154
Tylecodon fragilis	29, 93, 130
Tylecodon pearsonii	29, 93, 126
Tylecodon schaeferianus	29, 78, 101, 107, 126
Tylecodon singularis	29, 78, 107
Tylecodon striatus	29, 93, 131
Tzaneen	111
Ubombo	119
Uis	106
Ulmaceae	76

Umtata	124
Umtiza listerana	46, 86, 93, 125, 138, 148
Uncertain status : definition	9
Underberg	121
Upington	126
Urginea duthiae	50, 87, 139
Urginea eckloni	50, 87, 139
Urginea forsteri	50, 101, 140, 143
Urginea minor	50, 95, 140
Urginea pedunculata	50, 101, 150
Urginea pygmaea	50, 95, 140
Urginea revoluta	50, 101, 140, 150
Ursinia coronopifolia	27, 93, 142
Ursinia pygmaea	27, 101, 129, 131
Ursinia subflosculosa	27, 93, 130, 135
Urticaceae	76
Uvaria lucida ssp virens	13, 85, 119, 121
Values of plants	169
Vanrhynsdorp	130
Vanwyksvlei	129
Velloziaceae	76
Venidium angustifolium	27, 101, 143, 153
Venidium bolusii	27, 101, 130, 137, 149
Venidium fugax	27, 101, 132
Venidium macrospermum	27, 101, 143
Vernonia africana	27, 83, 122
Victoria West	132
Violsdrif	126
Vitellariopsis dispar	73, 85, 120, 121
Volksrust	117
Vredenburg	133
Vryburg	116
Vryheid	118
Vulnerable : definition	9
Wahlenbergia annuliformis	19, 95, 130, 140
Wahlenbergia asperifolia	19, 101, 131
Wahlenbergia bolusiana	19, 101, 153

<i>Wahlenbergia bowkeri</i>	20, 101, 137
<i>Wahlenbergia brachycarpa</i>	20, 95, 130, 134, 135, 146
<i>Wahlenbergia buseriana</i>	20, 93, 129
<i>Wahlenbergia ciliolata</i>	20, 101, 140, 155
<i>Wahlenbergia clavatula</i>	20, 101, 140
<i>Wahlenbergia compacta</i>	20, 101, 140
<i>Wahlenbergia constricta</i>	20, 101, 134
<i>Wahlenbergia debilis</i>	20, 95, 140
<i>Wahlenbergia distincta</i>	20, 101, 134
<i>Wahlenbergia divergens</i>	20, 101, 131
<i>Wahlenbergia dunantii</i>	20, 101, 140
<i>Wahlenbergia floribunda</i>	20, 101, 127
<i>Wahlenbergia lasiocarpa</i>	20, 101, 129
<i>Wahlenbergia longisepala</i>	20, 101, 131
<i>Wahlenbergia massonii</i>	20, 101, 134, 140
<i>Wahlenbergia minuta</i>	20, 101, 132
<i>Wahlenbergia mollis</i>	20, 101, 143
<i>Wahlenbergia namaquana</i>	20, 102, 129
<i>Wahlenbergia oligotricha</i>	20, 102, 127
<i>Wahlenbergia polyclada</i>	20, 102, 131
<i>Wahlenbergia ramifera</i>	20, 102, 140
<i>Wahlenbergia rara</i>	20, 102, 129
<i>Wahlenbergia roelliflora</i>	20, 102, 127
<i>Wahlenbergia rotundifolia</i>	20, 102, 140
<i>Wahlenbergia saxifragoides</i>	20, 87, 149
<i>Wahlenbergia schistacea</i>	20, 102, 143
<i>Wahlenbergia serpentina</i>	20, 102, 140, 153
<i>Wahlenbergia subpilosa</i>	20, 102, 140
<i>Wahlenbergia subtilis</i>	20, 102, 134
<i>Wahlenbergia swellendamensis</i>	20, 102, 143
<i>Wahlenbergia tomentosula</i>	20, 134, 143
<i>Wahlenbergia tumida</i>	20, 144, 155
<i>Warburgia salutaris</i>	21, 79, 84, 110, 111, 112, 119
Warmbad	107
Waterpoort	109
<i>Watsonia ardernei</i>	42, 102, 143
<i>Watsonia caledonica</i>	42, 102, 144, 153, 154

<i>Watsonia cooperi</i>	42, 102, 136, 143
<i>Watsonia dubia</i>	42, 102, 140, 143
<i>Watsonia ecklonii</i>	42, 95, 147
<i>Watsonia emiliae</i>	43, 102, 145
<i>Watsonia fergusoniae</i>	43, 95, 152, 154, 155
<i>Watsonia gladioloides</i>	43, 102, 133
<i>Watsonia hysterantha</i>	43, 95, 138, 140
<i>Watsonia latifolia</i>	43, 81, 85, 114, 115, 118, 119
<i>Watsonia occulta</i>	43, 81, 85, 112, 114, 118
<i>Watsonia pauciflora</i>	43, 102, 153
<i>Watsonia rogersii</i>	43, 102, 150
<i>Watsonia rosea-alba</i>	43, 95, 140, 142, 150
<i>Watsonia stanfordiae</i>	43, 95, 140, 142
<i>Watsonia strictiflora</i>	43, 102, 140, 143, 150
<i>Watsonia transvaalensis</i>	43, 81, 111, 113, 114
<i>Watsonia vittata</i>	43, 102, 140
<i>Watsonia wilmsii</i>	43, 81, 111, 113, 114
<i>Watsonia wordsworthiana</i>	43, 102, 140, 143
<i>Widdringtonia cedarbergensis</i>	30, 88, 135
<i>Willdenowia affinis</i>	67, 95, 140
<i>Willdenowia fistulosa</i>	68, 95, 144, 145, 150
<i>Willdenowia purpurea</i>	68, 93, 142, 152
Williston	132
Willowmore	146
Windhoek	106
Witbank	113
Witputz	107
<i>Witsenia maura</i>	43, 102, 150, 153
Worcester	141
Wuppertal	134
<i>Xeroderris stuhlmannii</i>	46, 78, 81, 104, 109, 110
<i>Xerophyta villosa</i>	76, 81, 111, 112
<i>Xylia torreana</i>	46, 81, 110
<i>Xylopiya odoratissima</i>	13, 78, 81, 104, 110, 111
<i>Xylopiya parviflora</i>	13, 81, 109, 111
<i>Zaluzianskya nemesioides</i>	74, 102, 132
<i>Zaluzianskya ramosa</i>	74, 95, 150



Zamiaceae	76
Zantedeschia albomaculata ssp valida	13, 85, 120, 121
Zantedeschia jucunda	14, 81, 113
Zantedeschia pentlandii	14, 81, 114
Zanthoxylum leprieurii	72, 81, 85, 109, 110, 118, 119, 121
Zebediela	112
Zeerust	116
Zingiberaceae	77
Zoutpansbergia caerulea	27, 81, 111
Zygoon graveolens	70, 81, 110

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