Guidelines for Using the Checklist

The genera and species are arranged in alphabetical order.

Accepted genus and species names are in bold print, for example, **Agrostis barbuligera**.

Synonyms are in italics, for example, *Agrostis natalensis*. Not all synonyms for a species are listed.

Naturalised taxa are preceded by an asterisk, for example, **Pennisetum *clandestinum**. These are species that were introduced from outside Lesotho but now occur in the wild as part of the natural flora.

Single letters after the species names, on the right-hand side of the column, indicate the distribution of species within Lesotho as reflected by the ROML and MASE collections. This indicates that a species has definitely been recorded in Lesotho.

L—Lowlands
F—Foothills
M—Mountains
S—Senqu Valley

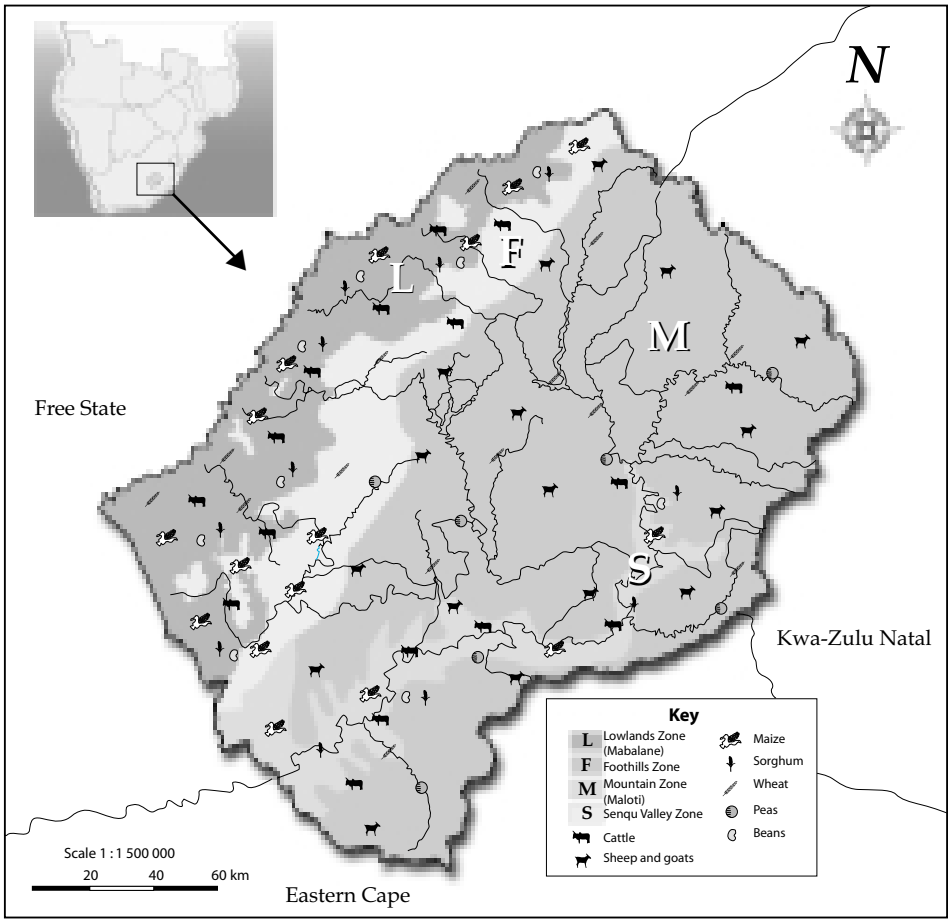
Double letters after species names, on the right-hand side of the column, indicate the distribution of species along the border with South Africa as reflected in the literature. This indicates that a species could occur in Lesotho, but has not yet been recorded.

KN—KwaZulu-Natal
FS—Free State
EC—Eastern Cape

Literature references are abbreviated as follows:

G—Gibbs Russell *et al.* (1990)
J—Jacot Guillarmod (1971)
SCH—Schmitz (1984)
V—Van Oudtshoorn (1999)
For example, G:103 refers to page 103 in the Gibbs Russell *et al.* (1990) publication, *Grasses of southern Africa.*

The seven-digit number to the right of the genus names is the numbering system followed at Kew Herbarium (K) and used in Arnold & De Wet (1993) and Leistner (2000).



Zones of Lesotho based on agricultural practices. (After the Primary Atlas for Lesotho)

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A checklist

of

Lesotho grasses

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Lesotho grasses

by

Khotso Kobisi and Lerato E. Kose

National University of Lesotho

2003

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Cover pictures
Front cover: Qiloane mountain at Thaba Bosiu (Photo: Khotso Kobisi); *Merxmuellera macowanii* around the wetland in Semonkong (Photo: Moretloa Polaki); one of the richest wetlands surrounded by *Merxmuellera* and other grass species (Photo: Moretloa Polaki); *Merxmuellera macowanii* along streams and sheltered valleys (Photo: Moretloa Polaki); Basotho hat house in Maseru (Photo: Khotso Kobisi).
Back cover: Interesting groundcover during transects monitoring at Mohale (Photo: Moretloa Polaki)*; Merxmuellera macowanii* in the alpine zone (Photo: Moretloa Polaki)*; Thamnocalamus tessellatus* found in Matsieng Ha Taele (Photo: Khotso Kobisi).

Cover design: Antoinette Burkhardt, Pretoria, South Africa +27 82 909-0109.
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IUCN
The World Conservation Union

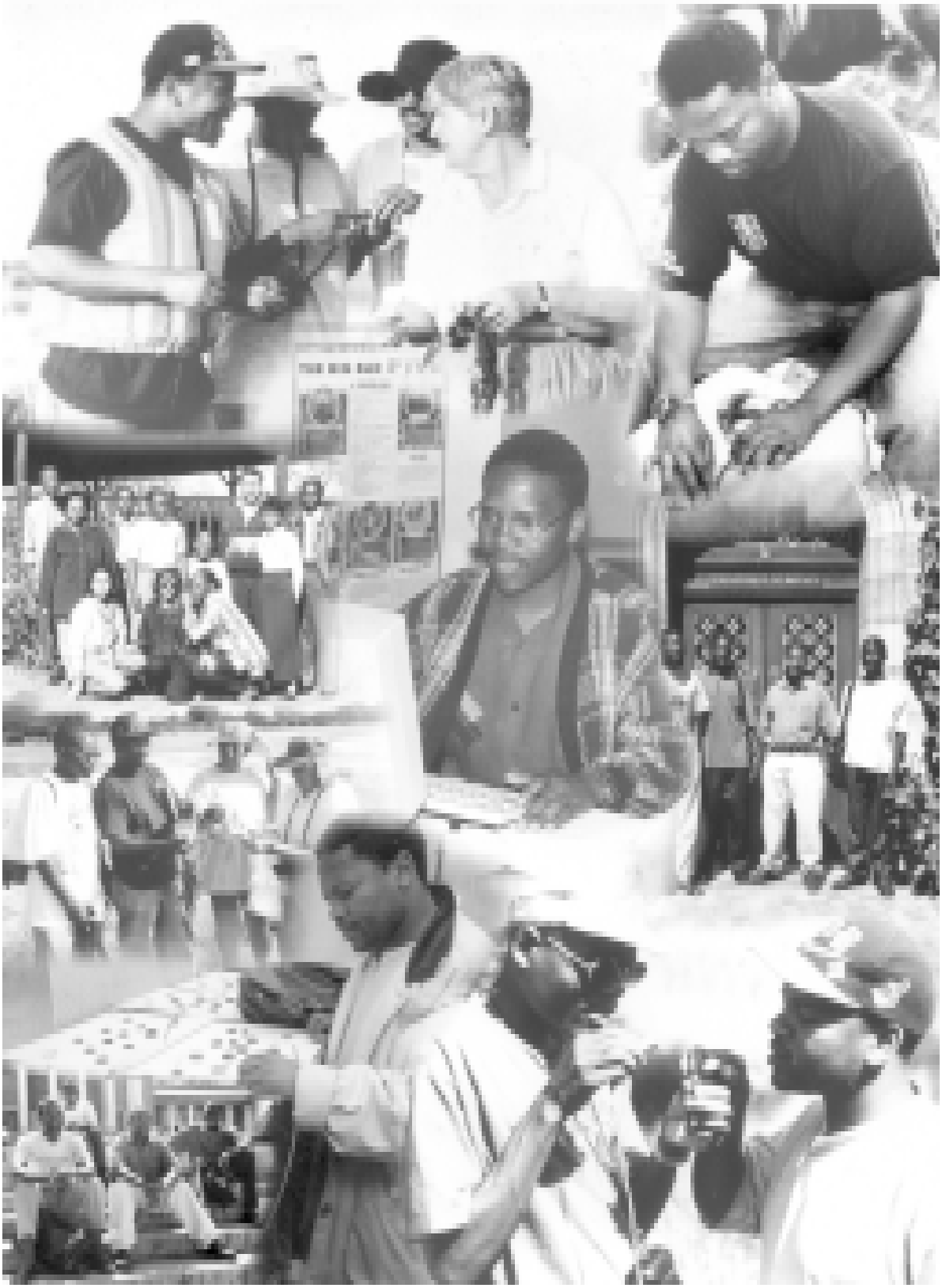
UNDP

USAID

GEF

In loving memory of Paseka Petros Mafa,
whose soul was called to God before he could begin this checklist.
His strength, intelligence, curiosity, and warm loving heart
will remain with us for ever.

May his soul rest in peace.



(Photos: SABONET; collage by Sandra Turck, NBI)

The National University of Lesotho Herbarium and Botanical Garden

National University of Lesotho Herbarium (ROML) was established for two main purposes—teaching and research. The herbarium now acts mainly as a source and facilitator by disseminating botanical services to university students, government departments, NGOs, researchers, schools, and the public. It serves as a focal point for the international network of herbaria to enhance research on the flora of Lesotho and the subregion. The Botanical Garden is a flourishing plant sanctuary, as well as an educational centre for students, scientists, and the public. It strives to promote a better knowledge and understanding of the flora of Lesotho, especially the adaptable alpine flora, through propagation, cultivation, and conservation of indigenous plants.

The National University of Lesotho Herbarium—also known as Roma Herbarium (ROML)—is a unit of research and a repository of information on the indigenous flora of Lesotho. The herbarium was started as part of Pius XII University College, and owes its inception to Amy Jacot Guillarmod, who was appointed as lecturer in the Botany Department in 1956. At its founding, the Roma Herbarium acquired a number of duplicates from her own collections. In addition, in 1958, the construction of the Department's first glasshouse under the supervision of Jacot Guillarmod formed the nucleus of the future botanical garden. Dr A.V. Roberts formally established the Botanical Garden in 1962. The emphasis was on Lesotho plants; in addition, representatives of families not readily available from Lesotho were obtained from South Africa. Dr F. Zeijlemaker (who collected the first known specimen of *Psilotum nudum* in Lesotho from the Roma Valley) succeeded Amy Jacot Guillarmod in 1957.

Marthe Schmitz joined the Department in 1958. She was a very active plant collector and contributed many reference specimens to the herbarium from both the lowlands and mountains of Lesotho. To these she added her European collections and some specimens collected in southern Africa outside the Lesotho borders. Marthe Schmitz gave up full-time teaching in 1966, but her quest for botanising did not end there. She was appointed honorary curator of the herbarium in 1972. In the 1970s, Marthe worked on a handbook of Lesotho lowlands and foothills grasses that was published locally in 1976. Dr Bruce Hargreaves, lecturer in the Biology Department at the time, later produced a more comprehensive version that was published in 1984; this version is still an invaluable guide to the grasses of Lesotho. Tragically, Marthe did not live to see the only illustrated book on the Lesotho flora, *Wild Flowers of Lesotho* (1982), which was published after she died in a car accident in April 1982. In tribute, Hilliard and Burtt named *Zaluzianskya schmitziae* after her in 1983. Of all the collections housed in the Roma Herbarium, Marthe's is the largest.

In 1975, the Roma campus separated from the three-country University of Botswana, Lesotho and Swaziland, and became the present National University of Lesotho. The herbarium, unfortunately, underwent a period of inactivity, as there was no staff specifically charged with routine herbarium work.

After support from SABONET in 1996, however, both the Roma Herbarium and Botanical Garden have grown from strength to strength. The provision of the project vehicle, project staff, and funding of field excursions has facilitated more plant collections. The herbarium now boasts 20 000 specimens, compared to about 15 000 at the start of the project. The Lesotho Highlands Water Project has contributed significantly to the herbarium holdings through baseline studies carried out by various botanical consultants in the project areas.

The Botanical Garden has also benefited from these routine collections and, in particular, from the recent plant rescue missions undertaken in the Mohale Dam inundation area. The Botanical Garden now grows over 300 shrubs, herbs, and grasses of Lesotho—largely of alpine origin.

After the completion of a new Science Block for the National University of Lesotho in 2000, the herbarium now has sufficient space and potential to mount exhibits, and to provide a major reference collection. This checklist was compiled in conjunction with two smaller sister herbaria, Agricultural Research Station Herbarium (MASE) and Sehlabathebe National Park Herbarium (SNPH).

The Biology Department in the Faculty of Science and Technology of the National University of Lesotho administers the National University of Lesotho Herbarium and Botanical Garden.

The National University of Lesotho Herbarium and Botanical Garden are situated about 35 km southeast of Maseru, the capital city of Lesotho, within the Roma Valley. It is easily accessed from Main South 1 Perimeter Road that branches from Masianokeng Junction along the Mountain Road to Mohale Dam.

National University of Lesotho Herbarium
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Contents

***Merxmuellera macowanii* around the wetland in Semonkong. (Photo: Moretloa Polaki)**

Acknowledgements

This checklist was made possible by the undivided support of SABONET-Lesotho staff and the SABONET National Working Group. We thank Moretloa Polaki in his capacity as Alternate SABONET National Coordinator for supporting our work.

Thank you to Peter Phillipson of Rhodes University for guiding Khotso Kobisi through the intricacies of compiling a grass checklist during an internship at the National University of Lesotho Herbarium (ROML) in Roma (8–13 April 2002). Khotso Kobisi also spent time at the Selmar Schonland Herbarium (GRA) in Grahamstown (3–17 March 2002), where he worked with Peter on the checklist. Both internships were funded by SABONET.

We also extend our gratitude to the Selmar Schonland Herbarium (Grahamstown, South Africa), for allowing Peter Phillipson to collaborate with us on the preparation of the checklist. A special thank you to Lyn Fish and Otto Leistner (National Herbarium, Pretoria, South Africa) for scientific advice and suggestions. Marthina Mössmer (SABONET) and Beverley Momberg (NBI) provided technical assistance with preparing the manuscript for printing. We would also like to extend our sincere thanks to Dr M. Mokhothu and Dr M. Manyala of National University of Lesotho for their contribution in preparation of this checklist.

The SABONET Project provided financial assistance with donor funds from GEF-UNDP and USAID/IUCN ROSA.

Thamnocalamus tessellatus **found in Matsieng Ha Taele.**
(Photo: Khotso Kobisi)

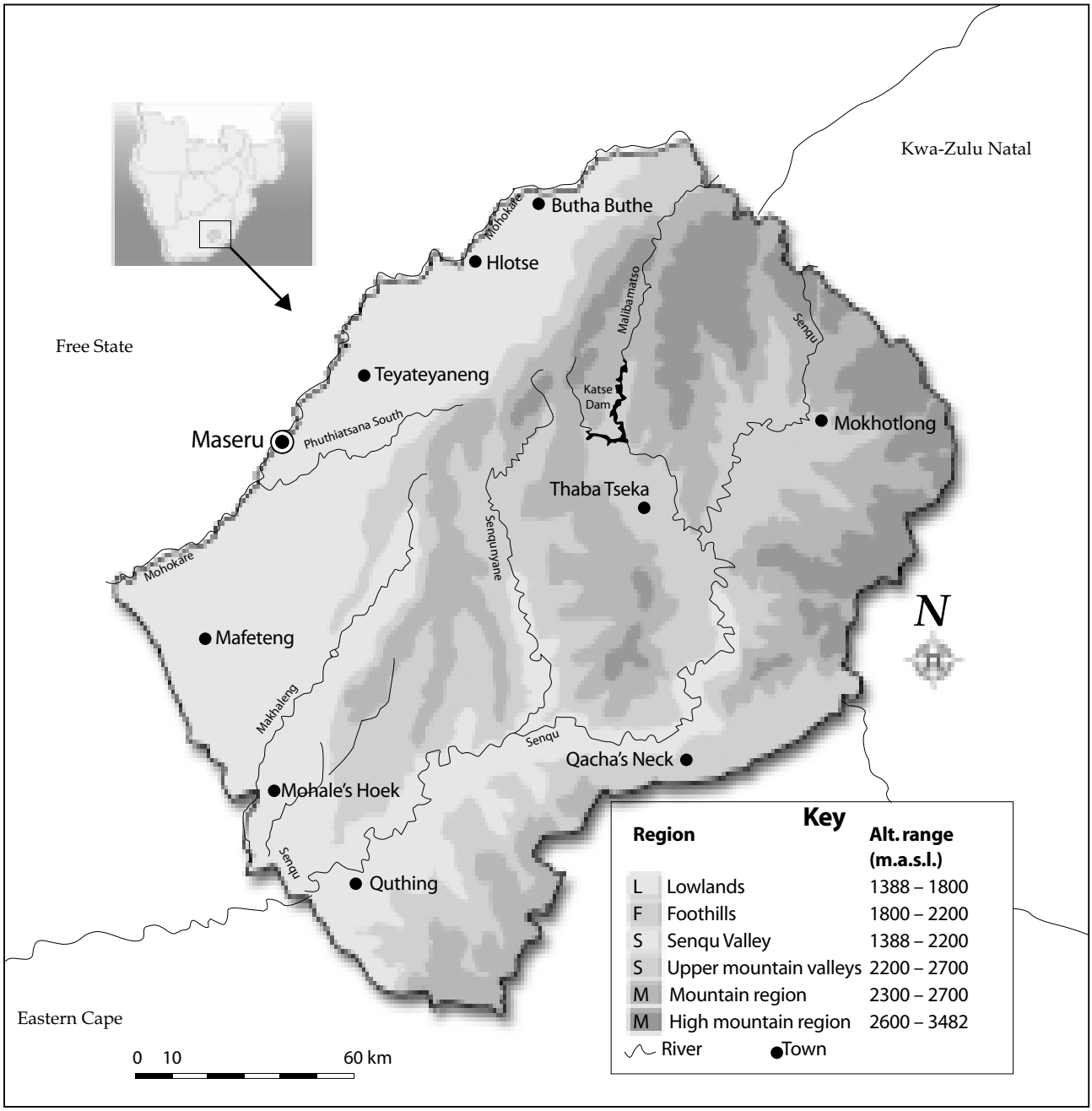

Figure 1: The six ecological zones of Lesotho based on topography. (After Mokuku 1997)

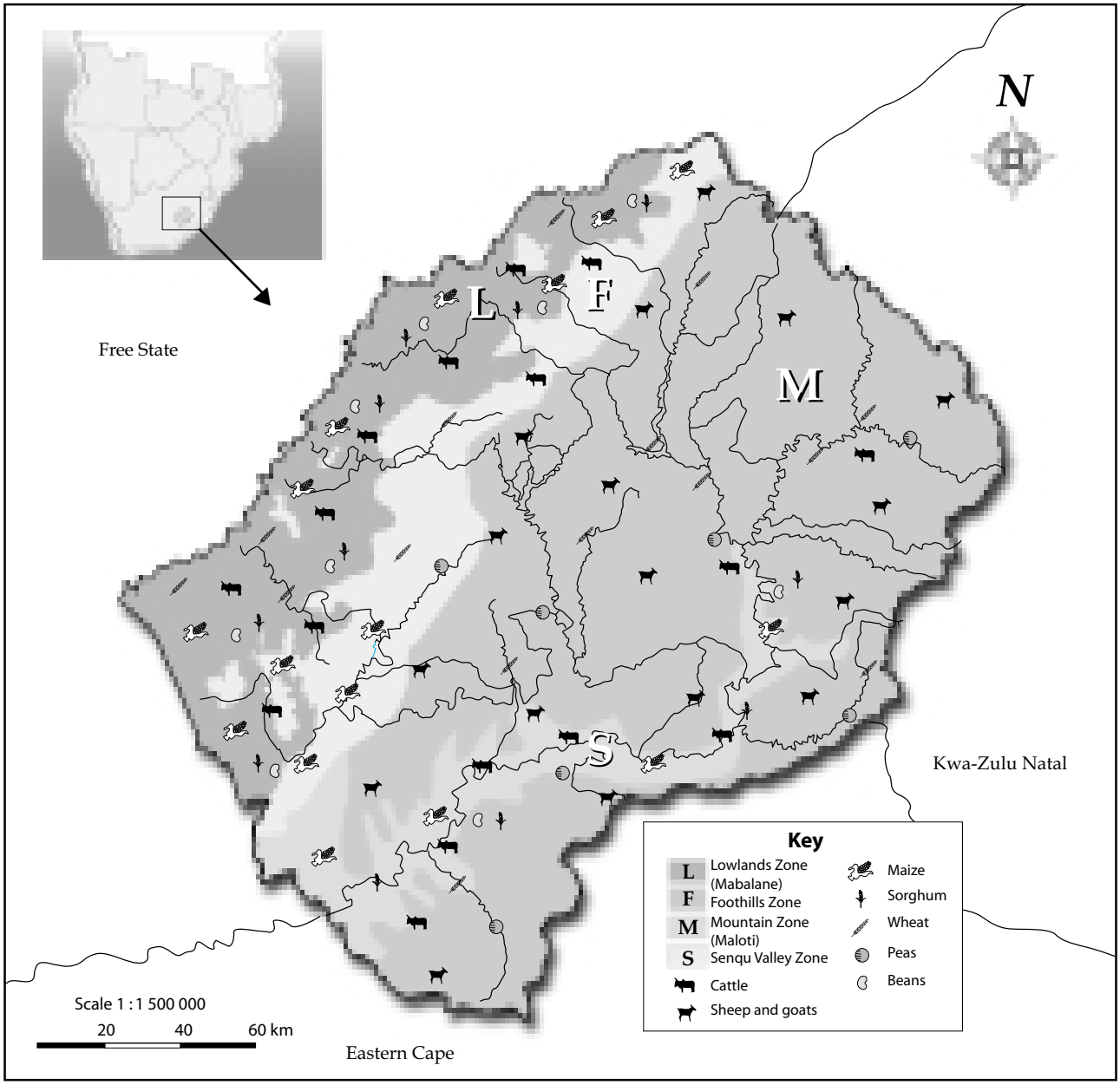

Figure 2: Zones of Lesotho based on agricultural practices. (After the Primary Atlas for Lesotho)

Introduction

Lesotho, formerly Basutoland, is a small country of about 30 355 km^2, and is divided into ten districts (Figure 1). It lies between 28–30°S and 27–29°E and is entirely surrounded by the Republic of South Africa. The climate is usually dry with extremes of heat and cold.

Flora of Lesotho

Lesotho falls within the Grassland Biome, with small, scattered thickets and woodlands occurring in valleys and along foothills; there are no tropical forests or large stretches of savanna. Palynological studies have shown that for some thousands of years, this grassland type of vegetation has been characteristic of the country (Guillarmod 1971).

The flora of Lesotho comprises about 3 000 plant species, belonging to 800 genera and 200 families (figures based on the ROML record of higher plants). The Poaceae family (grasses) is the largest plant family in Lesotho, and accounts for about 100 genera and 300 species. Staples & Hudson (1938) broadly divided the grassland of Lesotho into two types:

- *Themeda triandra*-dominated grassland—with sweet, palatable grasses—usually occurs on northern slopes and at lower elevations.
- *Festuca caprina* grassland—with sour, unpalatable grasses—grows mainly on southern aspects and at higher altitudes.

Lesotho's grasslands are rapidly changing in composition, however, and more stoloniferous, weedy, and taller species such as *Aristida* and *Eragrostis* species, as well as *Harpochloa falx,* are becoming more prevalent.

Ecological Zones

Lesotho can be divided into several ecological zones—some authors (for example, Mokuku 1997) divide the flora of Lesotho into six zones based on topography (Figure 1), whereas others such as Longman Lesotho (2001) use four distinct zones based on agricultural practices. For this checklist we have followed the division into four ecological zones—Lowlands, Foothills, Mountains, and Senqu Valley (Figure 2)—which are described in more detail below.

SABONET team during Mohale Rescue Mission. (Photo: Nchemo Maile)

Transect monitoring at Mohale. (Photo: Moretloa Polaki)

Specimens being processed at ROML Herbarium. (Photo: Khotso Kobisi)

Specimens in the herbarium cabinet at ROML Herbarium. (Photo: Khotso Kobisi)

Lowlands

The Lowlands, with an altitude of 1 520–1 820 m, cover about a quarter of Lesotho and lie along the western side of the country between the Caledon (Mohokare) River and the foothills of the Maluti Mountain Range. Most parts have soils derived from Cave Sandstone and the rocks of riverbeds. The most predominant vegetation is grass, with some patches of indigenous trees and shrubs, which are usually found in sheltered valleys and gorges with southern aspects. This region is extensively cultivated and heavily grazed.

Foothills

The Foothills run along the western side of the Maluti Mountains, forming an intermediate zone between the Highlands and the Lowlands, with an average altitude of more than 1 820 m. Trees and shrubs dominate the vegetation in this zone. *Aloe ferox* is conspicuous on some hill slopes. *Hyparrhenia* species form dense stands, especially on northeast-facing slopes. Land in the Foothills is overgrazed because of summer cattle-posts that are used all year round without a rest phase for the vegetation.

Mountains

At the top of the hills, the vegetation changes abruptly from the trees and scrubby bush of the Foothills, to the typical mountain grassland. The Mountain zone is characterized by high solar radiation, strong winds, basaltic soils, and low temperatures. These factors limit plant growth, and the vegetation in this region is low, except in sheltered valleys where trees and shrubs, and even *Hyparrhenia*, grow successfully. Solifluction, due to freezing and thawing, is another limiting factor to plant growth in this environment. The Asteraceae (Compositae) family, especially the genus *Helichrysum*, dominates the Mountain vegetation. This area is also a favourable region for *Aloe* and *Merxmuellera* species, especially on gentle slopes. The Mountain area receives more rainfall in summer than other zones. The higher rainfall supports large peat wetlands, the source of several rivers. The wetlands have a high species diversity and form the habitat of tiny plants such as *Limosella capensis* and *Rhodohypoxis*.

Senqu Valley

Lying along the Senqu River from Mokhotlong to Quthing Districts, this is the most degraded and driest region of Lesotho. The Senqu Valley is warmer than the other zones and supports trees, shrubs, and *Hyparrhenia* species, as well as succulents, including *Aloe ferox* and *Euphorbia* species.

Qiloane Mountain at Thaba Bosiu. (Photo: Khotso Kobisi)

Basotho hat house in Maseru thatched with *Hyparrhenia tamba*. (Photo: Khotso Kobisi)

A shelter thatched with *Hyparrhenia tamba* at Qiloane Falls. (Photo: Khotso Kobisi)

***Hyparrhenia tamba,* the common thatching grass in the Lowlands. (Photo: Khotso Kobisi)**

Checklist Compilation

When we started working on this checklist, no up-to-date checklist for Lesotho grasses existed, although several very important reference works were available, including Phillips (1917), Guillarmod (1971), Schmitz (1984), Gibbs Russell *et al.* (1990), and Van Oudtshoorn (1999).

Unfortunately these sources of information were either out-of-date or incomplete in some way, and our initial task was to compile the available information from these sources before searching for additional information elsewhere. However we decided that it would be useful to add references to relevant page numbers for these books to our checklist, since some of them provide illustrations and descriptions that are invaluable for species identification.

Our initial step was to extract records of grasses for Lesotho listed by Arnold & De Wet (1993), the most up-to-date of our primary sources of nomenclature; this provided us with a list of 182 species. In the herbaria in Lesotho, much practical use is made of the guidebook of Van Oudtshoorn (1992); from this book, we added another 12 grass species recorded within Lesotho, as well as 30 additional references. A further 12 species recorded by Schmitz (1984) were also added.

Because of the mapping technique used by Gibbs Russell *et al.* (1990) (plotting occurrence in quarter-degree squares), it was impossible to determine whether species shown on the Lesotho border actually occurred in Lesotho. Since the data in this book is based on the PRECIS database at the South African National Herbarium—the same data source used by Arnold and De Wet (1993)—we assumed that these records do not add to records for Lesotho. However, the record of a species very close to the Lesotho border (within a quarter-degree square that overlaps the border) is a strong indication that the species is very likely to occur in Lesotho. Records of this kind were therefore added to the checklist; it should be noted that records where the source is given as Gibbs Russell *et al.* (1990) were not definitely recorded within Lesotho, but probably occur within the country. This was done to help promote further exploration of Lesotho for these grasses, and to facilitate the identification of new specimens that do not match species known to occur in Lesotho. This process added 86 species to the checklist.

One of the richest wetlands surrounded by *Merxmuellera* and other grass species. (Photo: Moretloa Polaki)

***Merxmuellera macowanii* around the wetland in Semonkong. (Photo: Moretloa Polaki)**

***Merxmuellera macowanii* in the alpine zone. (Photo: Moretloa Polaki)**

***Merxmuellera macowanii* along streams and sheltered valleys. (Photo: Moretloa Polaki)**

The *Flora of Lesotho* (Jacot Guillarmod 1971) is the standard work on our flora, although it is little more than a checklist. This book, now about 30 years and out-of-date remains a valuable compilation, and we have attempted to correlate all grass species names used in it with currently accepted names. In some cases, well-known genera such as *Andropogon* and *Cymbopogon* are easily confused when considering older sources, so a list of synonyms adds to the usefulness of the checklist.

When Amy Jacot Guillarmod departed Lesotho for Rhodes University in Grahamstown, she took her collection of herbarium specimens from Lesotho with her; they became part of the Rhodes University Herbarium collection (now incorporated in the Selmar Schonland Herbarium, GRA). Specimens from Lesotho at GRA were checked against records in the Jacot Guillarmod (1971) list, and many were cited there. However, it was noted that several of these specimens had been incorrectly identified, for example, specimens of *Microchloa caffra, Cynodon dactylon, Setaria nigrirostris, Eragrostis ceasia, E. curvula and Cymbopogon marginatus*. Many grass genera were less well known at the time when the identifications were done and we now have vastly superior literature available to us. In the case of incorrectly identified specimens at GRA, we have added collection details and relevant annotations to the checklist to highlight these errors.

Synonyms and citations for genera and species were taken from the references mentioned above. The different species were geo-referenced, based on the grass collections housed in the National University of Lesotho Herbarium (ROML) and the Agricultural Research Herbarium (MASE). The data is currently stored on the herbarium databases at ROML and GRA.

Good ground cover provided by *Themeda triandra* in the Rangelands of Lesotho. (Photo: Moretloa Polaki)

Encroachment of fields in the Rangelands is reducing Rangeland productivity. (Photo: Moretloa Polaki)

Construction of roads and dams are reducing Rangeland productivity. (Photo: Moretloa Polaki)

One of the destructive agents that degrade Lesotho Rangelands is fire. (Photo: Moretloa Polaki)

References

ARNOLD, T.H. & DE WET, B.C. (eds). 1993. Plants of southern Africa: names and distribution. *Memoirs of the Botanical Survey of South Africa* No. 62. National Botanical Institute, Pretoria.

BRUMMITT, R.K. & POWELL, C.E. (eds). 1992. *Authors of plant names*. Royal Botanic Gardens, Kew.

BRUMMITT, R.K. 1992. *Vascular plant families and genera.* Royal Botanic Gardens, Kew.

GIBBS RUSSELL, G.E., WATSON, L., KOEKEMOER, M., SMOOK, L., BARKER, N.P., ANDERSON, H.M. & DALLWITZ, M.J. 1990. Grasses of southern Africa. *Memoirs of the Botanical Survey of South Africa* No. 58. National Botanical Institute, Pretoria.

JACOT GUILLARMOD, A. 1971. *Flora of Lesotho*. Cramer, Germany.

LEISTNER, O.A. (ed.). 2000. Seed plants of southern Africa: families and genera. *Strelitzia* 10. National Botanical Institute, Pretoria.

LONGMAN LESOTHO. 2001. *Primary atlas for Lesotho*. CTP Book Printers, Cape Town.

MOKUKU, C. 1997. Biodiversity and protected areas. In Q.K. Chakela, *State of environment in Lesotho*: 145–161. National Environmental Secretariat, Maseru.

PHILLIPS, E.P. 1917. Flora of the Leribe Plateau and environs. *Annals of the South African Museum* 16: 1-379, Adlard & Son & West Newman, London.

SCHMITZ, M.O. 1984. *An illustrated key for the identification of the grasses of Lesotho*. National University of Lesotho, Roma.

STAPLES R.R. & HUDSON W.K. 1938. *An ecological survey of the mountain area of Basutoland*. Garden City Press, Hertfordshire.

VAN OUDTSHOORN, F.P. 1999. *Guide to grasses of southern Africa*. Briza Publications, Pretoria.

***Merxmuellera macowanii* in the alpine zone. (Photo: Moretloa Polaki)**

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- Single letters after the species names, on the right-hand side of the column, indicate the distribution of species within Lesotho as reflected by the ROML and MASE collections. This indicates that a species has definitely been recorded in Lesotho. (The map on page 2 shows these geographical divisions.)
  L—Lowlands
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  M—Mountains
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- The seven-digit number to the right of the genus names is the numbering system followed at Kew Herbarium (K) and used in Arnold & De Wet (1993) and Leistner (2000).

A Checklist of Lesotho Grasses

ACHNERIA
Achneria galpinii Stapf = **Pentaschistis galpinii**
Achneria setifolia Stapf = **Pentaschistis setifolia**

AGROSTIS L. 9902430
barbuligera Stapf var. **barbuligera** M
G:34, SCH:64
bergiana Trin. var. **bergiana** L,F,M
G:34, SCH:64
bergiana Trin. var. **laeviuscula** Stapf F
G:34, SCH:64
continuata Stapf KN
G:34
(*A. natalensis* Stapf)
eriantha Hack. var. **eriantha** M
G:34, SCH:67, V:210
gigantea Roth L
G:34
huttoniae (Hack.) C.E.Hubb. = **A. lachnantha** var. **lachnantha**
lachnantha Nees var. *glabra* Gooss. & Papendorf = **A. lachnantha** var. **lachnantha**
lachnantha Nees var. **lachnantha** L,F,M
G:34, SCH:67
(*A. huttoniae* (Hack.) C.E.Hubb.)
(*A. lachnantha* Nees var. *glabra* Gooss. & Papendorf)
natalensis Stapf = **A. continuata**
semiverticillata (Forssk.) C.Chr. = **Polypogon viridis**
subulifolia Stapf M,S
G:35

AIRA L. 9901850
***cupaniana** Guss. KN,FS
G:36

ALLOTEROPSIS J.Presl 9900940
semialata (R.Br.) Hitchc. subsp. **eckloniana** (Nees) Gibbs Russell M
G:37
(*A. semialata* (R.Br.) Hitchc. var. *ecklonii* (Stapf) Stapf)
semialata (R.Br.) Hitchc. subsp. **semialata** KN,FS
semialata (R.Br.) Hitchc. var. *ecklonii* (Stapf) Stapf = **A. semialata** subsp. **eckloniana**
G:37

ANDROPOGON L. 9900710
abyssinicus sensu Chippind., non Fresen. = **A. amethystinus**
amethystinus Steud. M
G:40
(*A. abyssinicus* sensu Chippind., non Fresen.)
(*A. pilosellus* Stapf)
amplectens Nees = **Diheteropogon amplectens**
appendiculatus Nees L,F,M,S
G:40, SCH:13, V:134
ceresiiformis Nees = **Monocymbium ceresiiforme**
contortus L. = **Heteropogon contortus**
dieterleniae Stapf = **Cymbopogon dieterlenae**
distachyos L. M
G:40
eucomus Nees L
G:40, SCH:13, V:264
filifolius (Nees) Steud. = **Diheteropogon filifolius**
hirtus L. = **Hyparrhenia hirta**
nardus L. var. *marginatus* Hack. = **Cymbopogon marginatus**
pilosellus Stapf = **A. amethystinus**
plurinodis Stapf = **Cymbopogon plurinodis**
ravus J.G.Anderson L,M
G:42
schirensis A.Rich. L,F,M
G:42, SCH:13, V:125
(*A. schirensis* A.Rich. var. *angustifolius* Stapf)
schirensis A.Rich. var. *angustifolius* Stapf = **A. schirensis**
schoenanthus L. var. *versicolor* Hack. = **Cymbopogon excavatus**

ANTHISTIRIA
Anthistiria imberbis Retz. = **Themeda triandra**

ANTHOXANTHUM L. 9901640
brevifolium Stapf KN
G:44
ecklonii (Nees ex Trin.) Stapf L,F,M
G:44, SCH:49
***odoratum** L. M
G:45

APOCHAETE
Apochaete hispida (L.f.) J.B.Phipps = **Tristachya leucothrix**

ARISTIDA L. 9902620
adscensionis L. L,F,M
SCH:72
(*A. curvata* (Nees) T.Durand & Schinz)
(*A. submucronata* Schumach.)
(*A. adscensionis* L. subsp. *guineensis* (Trin. & Rupr.) Henrard)
adscensionis L. subsp. *guineensis* (Trin. & Rupr.) Henrard = **A. adscensionis**
barbicollis Trin. & Rupr. = **A. congesta** subsp. **barbicollis**
bipartita (Nees) Trin. & Rupr. L,M,S
G:48, SCH:69, V:212
canescens Henrard subsp. **canescens** L,F,M
G:48, SCH:72, V:121
capensis Thunb. var. *dieterleniana* Schweick. = **Stipagrostis zeyheri** subsp. **sericans**

ARISTIDA L. (cont.)
congesta Roem. & Schult. subsp. **barbicollis** (Trin. & Rupr.) De Winter L,M
G:48, SCH:75, V:213
(*A. barbicollis* Trin. & Rupr.)
congesta Roem. & Schult. subsp. **congesta** L,F,M
V:103
curvata (Nees) T.Durand & Schinz = **A. adscensionis**
diffusa Trin. subsp. **burkei** (Stapf) Melderis L,F,M,S
G:49, V:214
galpinii Stapf = **A. junciformis** subsp. **galpinii**
junciformis Trin. & Rupr. subsp. **galpinii** (Stapf) De Winter L,F,M
G:50, SCH:74
(*A. galpinii* Stapf)
junciformis Trin. & Rupr. subsp. **junciformis** L,F,M
G:51, SCH:74, V:104, J:110
monticola Henrard M
G:52
namaquensis (Nees) Trin. & Rupr. = **Stipagrostis namaquensis**
scabrivalvis Hack. subsp. **scabrivalvis** M
V:215
sciurus Stapf KN
V:255
sericans Hack. apud Schinz = **Stipagrostis zeyheri** subsp. **sericans**
submucronata Schumach. = **A. adscensionis**
vestita Thunb. EC
G:55

ARUNDINARIA
Arundinaria tesselata (Nees) Munro = **Thamnocalamus tessellatus**

ARUNDINELLA Raddi 9901730
ecklonii Nees = **A. nepalensis**
nepalensis Trin. L,F,M
G:57, V:107, J:104
(*A. ecklonii* Nees)

ARUNDO L. 9902130
***donax** L. L
G:58

AVENA L. 9901950
***byzantina** K.Koch KN,FS
G:59
***sativa** L. L,M
G:59

AVENASTRUM
Avenastrum caffrum (Stapf) Stapf = **Helictotrichon longifolium**
Avenastrum turgidulum (Stapf) Stapf = **Helictotrichon turgidulum**

AXONOPUS P.Beauv. 9901050
affinis Chase KN
G:60

BECKEROPSIS K.Schum.
Beckeropsis uniseta (Nees) K.Schum. = **Pennisetum unisetum**

BEWSIA Gooss. 9903442
biflora (Hack.) Gooss. L
V:162

BOTHRIOCHLOA Kuntze 9900630
bladhii (Retz.) S.T.Blake M
G:62
(*B. glabra* Roxb.)
(*B. insculpta* (A.Rich.) A.Camus var. *vegetior* (Hack.) C.E.Hubb.)
glabra Roxb. = **B. bladhii**
insculpta (A.Rich.) A.Camus M
G:63, V:153
(*B. pertusa* auctt., non (L.) A.Camus)
insculpta (A.Rich.) A.Camus var. *vegetior* (Hack.) C.E.Hubb. = **B. bladhii**
pertusa auctt., non (L.) A.Camus = **B. insculpta**

BRACHIARIA (Trin.) Griseb. 9901040
advena Vickery L,M
G:64, SCH:31
bovonei (Chiov.) Robyns KN
G:65
eruciformis (J.E.Sm.) Griseb. L,F,M
G:66, SCH:31, V:164, J:105
(*Panicum isachne* Griseb.)
marlothii (Hack.) Stent L
G:67, SCH:31, V:165
nigropedata (Fical. & Hiern) Stapf M,S
V:166
serrata (Thunb.) Stapf L,F,M
G:67, SCH:29, V:167, J:105
(*B. serrata* (Thunb.) Stapf var. *serrata*)
(*B. serrata* (Thunb.) Stapf var. *gossypina* (A.Rich.) Stapf)
(*Panicum serratum* (Thunb.) Spreng.)
serrata (Thunb.) Stapf var. *gossypina* (A.Rich.) Stapf = **B. serrata**
serrata (Thunb.) Stapf var. *serrata* = **B. serrata**

BRACHYPODIUM P.Beauv. 9904320
bolusii Stapf M
G:71, SCH:111
flexum Nees M
G:71, SCH:111

BRIZA L. 9904040
***maxima** L. KN,FS
G:72

BROMUS L. 9904280
*__catharticus__ Vahl L,F,M,S
G:75, V:257
(*B. unioloides* Kunth)
(*B. willdenowii* Kunth)
*__commutatus__ Schrad. KN,FS
G:74
*__diandrus__ Roth KN
G:74
__firmior__ (Nees) Stapf M
G:75
*__hordeaceus__ L. subsp. __molliformis__ (J.Lloyd) Maire & Weiller M
G:75
__leptoclados__ Nees L,F,M
G:75
__natalensis__ Stapf KN
G:75
(*B. natalensis* Stapf var. *lasiophilus* Stapf)
(*B. speciosus* sensu Compton, non Nees)
natalensis Stapf var. *lasiophilus* Stapf = **B. natalensis**
__pectinatus__ Thunb. L,M
G:76
__speciosus__ Nees L,M
G:76, SCH:110
speciosus sensu Compton, non Nees = **B. natalensis**
unioloides Kunth = **B. catharticus**
willdenowii Kunth = **B. catharticus**

CATALEPIS Stapf & Stent 9902942
__gracilis__ Stapf & Stent L,F,M
G:78, SCH:90

CHLORIS Sw. 9903010
*__gayana__ Kunth L,F,M,S
V:135, SCH:94, G:84
__pycnothrix__ Trin. L
V:137, SCH:92, G:84
__virgata__ Swartz L,F
V:138, SCH:92, G:84

COLPODIUM Trin. 9904100
__drakensbergense__ Hedberg & I.Hedberg M

CORTADERIA Stapf 9902110
*__jubata__ (Lem.) Stapf L
G:90

CRINIPES
Crinipes gynoglossa Gooss. = **Styppeiochloa gynoglossa**

CRITESION
Critesion murinum (L.) Loeve = **Hordeum murinum** subsp. **murinum**

CTENIUM Panz. 9902990
__concinnum__ Nees L
G:93, V:117

CYMBOPOGON Spreng. 9900720
afronardus Stapf = **C. validus**
__dieterleniae__ Stapf ex E.Phillips L,F,M
G:95, SCH:16, J:102
(*Andropogon dieterleniae* Stapf)
__excavatus__ (Hochst.) Stapf ex Burtt Davy L,F,M
G:95, SCH:16, V:267, J:102
(*Andropogon schoenanthus* L. var. *versicolor* Hack.)
__marginatus__ (Steud.) Stapf ex Burtt Davy F,M
J:102
(*Andropogon nardus* L. var. *marginatus* Hack.)
__plurinodis__ (Stapf) Stapf ex Burtt Davy L,F,M,S
G:95, SCH:16, V:268, J 103
(*Andropogon plurinodis* Stapf)
__prolixus__ (Stapf) E.Phillips L,F,M
G:95
__validus__ (Stapf) Stapf ex Burtt Davy L,S
G:95, SCH:16, V:269
(*C. afronardus* Stapf)

CYNODON Rich. 9902960
__bradleyi__ Stent KN,FS
G:96
__dactylon__ (L.) Pers. L,M
G:97, SCH:90, V:139
__hirsutus__ Stent L,F,M
G:97, SCH:90
*__incompletus__ Nees L
G:97
*__transvaalensis__ Burtt Davy L,M
G:97, SCH:90

DACTYLIS L. 9903980
*__glomerata__ L. L,M
G:99

DANTHONIA
aureocephala J.G.Anderson = **Merxmuellera aureocephala**
curva Nees = **Karroochloa curva**
disticha Nees = **Merxmuellera disticha**
drakensbergensis Schweick. = **Merxmuellera drakensbergensis**
macowanii Stapf = **Merxmuellera macowanii**
purpurea (Thunb.) P.Beauv. ex Roem. & Schult. = **Karroochloa purpurea**
stereophylla J.G.Anderson = **Merxmuellera stereophylla**
stricta Schrad. = **Merxmuellera stricta**

DESCHAMPSIA P.Beauv. 9901890
__cespitosa__ (L.) P.Beauv. M
G.:103

DIANDROCHLOA De Winter 9902852
__namaquensis__ (Nees ex Schrad.) De Winter EC
G:104
(*Eragrostis namaquensis* Nees ex Schrad.)

DIGITARIA Hallerf. 9900890
adscendens Henrard = **D. ciliaris**
argyrograpta (Nees) Stapf L
G:108, V:143
bechuanica (Stent) Henrard = **D. eriantha**
brazzae (Franch.) Stapf L
G:108
ciliaris (Retz.) Koeler L
G:108, SCH:27-28
(*D. adscendens* Henrard)
(*D. marginata* Link)
decumbens Stent = **D. eriantha**
diagonalis (Nees) Stapf var. **diagonalis** M
G:109, V:182
(*D. trichopodia* Stent)
(*D. uniglumis* (A.Rich.) Stapf)
dinteri Henrard = **D. eriantha**
eriantha Steud. M
G:110, SCH:27, V:145
(*D. bechuanica* (Stent) Henrard)
(*D. decumbens* Stent)
(*D. dinteri* Henrard)
(*D. eriantha* Steud. subsp. *pentzii* (Stent) Kok)
(*D. eriantha* Steud. subsp. *stolonifera* (Stapf) Kok)
(*D. eriantha* Steud. subsp. *transvaalensis* Kok)
(*D. eriantha* Steud. var. *stolonifera* Stapf)
(*D. geniculata* Stent)
(*D. glauca* Stent)
(*D. pentzii* Stent)
(*D. pentzii* Stent var. *stolonifera* (Stapf) Henrard)
(*D. setivalva* Stent)
(*D. smutsii* Stent)
(*D. stentiana* Henrard)
(*D. valida* Stent)
(*D. valida* Stent var. *glauca* Stent)
eriantha Steud. subsp. *pentzii* (Stent) Kok = **D. eriantha**
eriantha Steud. subsp. *stolonifera* (Stapf) Kok = **D. eriantha**
eriantha Steud. var. *stolonifera* Stapf = **D. eriantha**
eriantha Steud. subsp. *transvaalensis* Kok = **D. eriantha**
flaccida Stapf KN,FS
G:110
geniculata Stent = **D. eriantha**
glauca Stent = **D. eriantha**
littoralis sensu Stent, non Salisb. = **D. natalensis**
littoralis sensu Stent, non Salisb. var. *prostrata* Stent = **D. natalensis**
macroglossa Henrard = **D. natalensis**
macroglossa Henrard var. *prostrata* (Stent) Henrard = **D. natalensis**
marginata Link = **D. ciliaris**
melanochila Stapf = **D. thouaresiana**
monodactyla (Nees) Stapf L,F,M
SCH:25, V:118
(*D. monodactyla* Stapf var. *explicata* Stapf)
monodactyla Stapf var. *explicata* Stapf = **D. monodactyla**
natalensis Stent KN,FS
G:112
(*D. littoralis* sensu Stent, non Salisb.)
(*D. littoralis* sensu Stent, non Salisb. var. *prostrata* Stent)
(*D. macroglossa* Henrard)
(*D. macroglossa* Henrard var. *prostrata* (Stent) Henrard)
(*D. natalensis* Stent subsp. *stentiana* Henrard)
(*D. rigida* Stent)
natalensis Stent subsp. *stentiana* Henrard = **D. natalensis**
pentzii Stent = **D. eriantha**
pentzii Stent var. *stolonifera* (Stapf) Henrard = **D. eriantha**
rigida Stent = **D. natalensis**
***sanguinalis** (L.) Scop. L,F,M
G:113, SCH:27, V:147
scalarum (Schweinf.) Chiov. F
G:107
(*D. vestita* Fig. & De Not. var. *scalarum* (Schweinf.) Henrard)
setifolia Stapf KN
G:113
setivalva Stent = **D. eriantha**
smutsii Stent = **D. eriantha**
stentiana Henrard = **D. eriantha**
ternata (A.Rich.) Stapf L,F,M
G:113, SCH:29, V:148
thouaresiana (Flüggé) A.Camus FS
G:113
(*D. melanochila* Stapf)
(*D. tricostulata* (Hack.) Henrard)
tricholaenoides Stapf L,F
G:115, SCH:25, V:149
trichopodia Stent = **D. diagonalis** (Nees) Stapf var. **diagonalis**
tricostulata (Hack.) Henrard = **D. thouaresiana**
uniglumis (A.Rich.) Stapf = **D. diagonalis** (Nees) Stapf var. **diagonalis**
valida Stent = **D. eriantha**
valida Stent var. *glauca* Stent = **D. eriantha**
vestita Fig. & De Not. var. *scalarum* (Schweinf.) Henrard = **D. scalarum**

DIHETEROPOGON (Hack.) Stapf 9900810
amplectens (Nees) Clayton KN
G:115, V:129
(*Andropogon amplectens* Nees)
filifolius (Nees) Clayton L,F,M
G:115, V:129
(*Andropogon filifolius* (Nees) Steud.)

DIPLACHNE P.Beauv. 9903450
eleusine Nees L
G:117, V:169
fusca (L.) P.Beauv. ex Roem. & Schult. L,F,M,S
G:117, V:184

(*D. malabarica* Adamson, non (L.) Merr.)
malabarica Adamson, non (L.) Merr. = **D. fusca**

ECHINOCHLOA P.Beauv. 9901120
colona (L.) Link L
G:119, SCH:34, V:170
crus-galli (L.) P.Beauv. L,M
G:120, SCH:34
(*E. subverticillata* Pilg.)
jubata Stapf L,F
G:120
stagnina (Retz.) P.Beauv. L
SCH:34, J:106
(*Panicum stagninum* Retz.)
subverticillata Pilg. = **E. crus-galli**

EHRHARTA Thunb. 9901600
calycina J.E.Sm. M
G:124, SCH:48, V:220
erecta Lam. var. **natalensis** Stapf L,F
SCH:48
longigluma C.E.Hubb. M
G:126, SCH:48

ELEUSINE Gaertn. 9903310
africana Kenn.-O'Byrne = **E. coracana** subsp. **africana**
coracana (L.) Gaertn. subsp. **africana** (Kenn.-O'Byrne) Hilu & De Wet L
G:129, SCH:96, V:157
(*E. africana* Kenn.-O'Byrne)
(*E. indica* (L.) Gaertn. subsp. *africana* (Kenn.-O'Byrne) S.M.Phillips)
indica (L.) Gaertn. subsp. *africana* (Kenn.-O'Byrne) S.M.Phillips = **E. coracana** subsp. **africana**
multiflora A.Rich. L,M
tristachya (Lam.) Lam. FS
G:130

ELIONURUS Kunth ex Willd. 9900280
argenteus Nees = **E. muticus**
glaber E.Phillips = **E. muticus**
glaber E.Phillips var. *villosus* E.Phillips = **E. muticus**
muticus (Spreng.) Kunth L,F,M,S
G:131, V:77
(*E. argenteus* Nees)
(*E. glaber* E.Phillips)
(*E. glaber* E.Phillips var. *villosus* E.Phillips)
(*E. pretoriensis* E.Phillips)
pretoriensis E.Phillips = **E. muticus**

ENNEAPOGON Desv. ex P.Beauv. 9903570
desvauxii P.Beauv. L
G:135
filifolius (Pilg.) Stapf ex Garab. = **E. scoparius**
scoparius Stapf L,F,M,S
G:136, SCH:97, V:187
(*E. filifolius* (Pilg.) Stapf ex Garab.)

ERAGROSTIS Wolf 9902860
abyssinica Jacq. = **E. tef**
aspera (Jacq.) Nees M
G:145, V:221
atherstonei Stapf = **E. trichophora**
biflora Hack. ex Schinz L
V:222
brizoides Nees = **E. capensis**
caesia Stapf L,F,M
G:147, SCH:84
capensis (Thunb.) Trin. L,F,M,S
G:147, SCH:81, V:188, J:119
(*E. brizoides* Nees)
chalcantha Trin. = **E. racemosa**
chloromelas Steud. L,F,M,S
G:148, SCH:88, V:223
***cilianensis** (All.) Vignolo ex Janch. L
G:148, SCH:81, J:119
(*E. major* Host)
curvula (Schrad.) Nees L,F,M
G:149, SCH:88, V:224
(*E. robusta* Stent)
gummiflua Nees L,F
G:150, SCH:79, V:189
henrardii Jansen = **E. trichophora**
heteromera Stapf L,F,M,S
G:151, V:225
lehmanniana Nees var. **lehmanniana** L,S
G:153, SCH:88, V:226
major Host = **E. cilianensis**
micrantha Hack. L
G:154, SCH:86
namaquensis Nees ex Schrad. = **Diandrochloa namaquensis**
nebulosa Stapf = **E. planiculmis**
obtusa Munro ex Ficalho & Hiern L
G:155, SCH:79, V:228
pallens Hack. S
G:155, V:191
***pilosa** (L.) P.Beauv. KN
G:156
plana Nees L,F,M,S
G:157, SCH:84, V:192
planiculmis Nees L,F,M,S
G:157, SCH:86
(*E. nebulosa* Stapf)
pseudosclerantha Chiov. M
G:158, V:229
racemosa (Thunb.) Steud. L,F,M,S
G:158, SCH:86, V:193
(*E. chalcantha* Trin.)
remotiflora De Winter FS,EC
G:159
robusta Stent = **E. curvula**
sclerantha Nees subsp. **sclerantha** L
G:160
stapfii De Winter FS
G:161

ERAGROSTIS Wolf (cont.)
superba Peyr. L,M
G:161, V:194
***tef** (Zucc.) Trotter L,F
G:162, SCH:81, V:259
(*E. abyssinica* Jacq.)
trichophora Coss. & T.Durand S
G:162, V:232
(*E. atherstonei* Stapf)
(*E. henrardii* Jansen)
***virescens** J.Presl L
G:163, SCH:81

EULALIA Kunth 9900530
villosa (Thunb.) Nees L,F,M
V:151

EUSTACHYS Desv. 9903020
mutica auctt. = **E. paspaloides**
paspaloides (Vahl) Lanza & Mattei F,M
G:168, SCH:94, V:152, J:116
(*E. mutica* auctt.)

FESTUCA L. 9904170
africana (Hack.) Clayton KN
G:169
(*Pseudobromus africanus* (Hack.) Stapf)
(*P. silvaticus* K.Schum.)
arundinacea Schreb. = **F. elatior**
caprina Nees L,F,M
G:169, SCH:105
costata Nees M
G:169, SCH:107
dracomontana H.P.Linder M
G:170
***elatior** L. M
G:170
(*F. arundinacea* Schreb.)
killickii Kenn.-O'Byrne KN
G:169
longipes Stapf F,M
G:170, SCH:107
scabra Vahl L,F,M
G:170, SCH:105, V:234

FINGERHUTHIA Nees 9903710
africana Lehm. FS
G:171, SCH:97
sesleriiformis Nees L,F,M
G:171, SCH:97

HARPOCHLOA Kunth 9902980
capensis Kunth = **H. falx**
falx (L.f.) Kuntze L,F,M,S
G:174, SCH:92, V:120, J:116
(*Harpochloa capensis* Kunth)

HELICTOTRICHON Schult. 9901970
dodii (Stapf) Schweick. FS
G:175
galpinii Schweick. F,M
G:176
hirtulum (Steud.) Schweick. L,M
G:176
longifolium (Nees) Schweick. L,F,M,S
G:177, SCH:53, J:112
(*Avenastrum caffrum* (Stapf) Stapf)
turgidulum (Stapf) Schweick. L,F,M
G:177, SCH:53, V:110, J:112
(*Avenastrum turgidulum* (Stapf) Stapf)

HEMARTHRIA R.Br. 9900210
altissima (Poir.) Stapf & C.E.Hubb. L
SCH:9

HETEROPOGON Pers. 9900800
contortus (L.) Roem. & Schult. L,F,M,S
G:179, SCH:23, V:79 , J:103
(*Andropogon contortus* L.)

HOLCUS L. 9901920
***lanatus** L. KN,EC
G:180

HORDEUM L. 9904510
capense Thunb. L,F,M,S
G:181, SCH:112, J:124
(*H. nodosum* auctt. non L.)
(*H. secalinum* Schreb.)
***murinum** L. subsp. **murinum** S
G:182, V:80
(*Critesion murinum* (L.) Loeve)
nodosum auctt. non L. = **H. capense**
secalinum Schreb. = **H. capense**

HYPARRHENIA E.Fourn. 9900730
anamesa Clayton L,M,S
G:184, SCH:18, V:270
aucta (Stapf) Stapf ex Stent = **H. dregeana**
buchananii Stapf = **H. filipendula** var. **pilosa**
cymbaria (L.) Stapf KN
V:271
dregeana (Nees) Stapf L,F,M
G:184, SCH:21
(*H. aucta* (Stapf) Stapf ex Stent)
(*H. pilosissima* (Hack.) J.G.Anderson)
filipendula (Hochst.) Stapf var. **pilosa** (Hochst.) Stapf L
G:185
(*H. buchananii* Stapf)
glauca Stent = **H. tamba**
hirta (L.) Stapf L,F,M,S
G:185, SCH:18, V:274, J:103
(*Andropogon hirtus* L.)
pilosissima (Hack.) J.G.Anderson = **H. dregeana**
quarrei Robyns L
G:186
tamba (Steud.) Stapf L,F
G:187, SCH:21, V:275
(*H. glauca* Stent)

variabilis Stapf KN
G:188

IMPERATA Cirillo 9900370
cylindrica (L.) Raeusch. L,F
G:190, SCH:11, V:81
(*I. cylindrica* (L.) Raeusch. var. *africana* (Andersson) C.E.Hubb.)
(*I. cylindrica* (L.) Raeusch. var. *major* (Nees) C.E.Hubb.)
cylindrica (L.) Raeusch. var. *africana* (Andersson) C.E.Hubb. = **I. cylindrica**
cylindrica (L.) Raeusch. var. *major* (Nees) C.E.Hubb. = **I. cylindrica**

ISCHAEMUM L. 9900100
arcuatum (Nees) Stapf = **I. fasciculatum**
fasciculatum Brongn. M
G:191, V:159
(*I. arcuatum* (Nees) Stapf)
franksiae J.M.Wood = **Phacelurus franksiae**

KARROOCHLOA Conert & Türpe 9902044
curva (Nees) Conert & Türpe KN,FS
G:193
(*Danthonia curva* Nees)
purpurea (L.f.) Conert & Türpe F,M
G:193, SCH:57
(*Danthonia purpurea* (Thunb.) P.Beauv. ex Roem. & Schult.)

KOELERIA Pers. 9903740
capensis (Steud.) Nees L,F,M,S
G:194
(*K. cristata* auctt., non (L.) Pers. var. *brevifolia* (Nees) C.E.Hubb.)
(*K. cristata* auctt., non (L.) Pers. var. *convoluta* (Steud.) C.E.Hubb.)
(*K. cristata* auctt., non (L.) Pers. var. *cristata*)
cristata auctt., non (L.) Pers. var. *brevifolia* (Nees) C.E.Hubb. = **K. capensis**
cristata auctt., non (L.) Pers. var. *convoluta* (Steud.) C.E.Hubb. = **K. capensis**
cristata auctt., non (L.) Pers. var. *cristata* = **K. capensis**

LAMARCKIA Moench 9903720
***aurea** (L.) Moench M

LEERSIA Sw. 9901590
hexandra Sw. L,F
G:197, SCH:45

LOLIUM L. 9904330
loliaceum (Bory & Chaub.) Hand.-Mazz. = **L. rigidum**
***multiflorum** Lam. KN,FS,EC
G:202, SCH:112
***multiflorum x perenne** M
G:202, SCH:111
***perenne** L. L,M
V:82
***rigidum** Gaudin KN
G:203
(*L. loliaceum* (Bory & Chaub.) Hand.-Mazz.)
***temulentum** L. L
G:203, SCH:111

LOUDETIA Steud. 9901751
flavida (Stapf) C.E.Hubb. KN
G:206
simplex (Nees) C.E.Hubb. M
G:207, V:196

MELICA L. 9903860
bolusii Stapf = **M. racemosa**
brevifolia Stapf = **M. racemosa**
decumbens sensu Gordon-Gray, non Thunb. = **M. racemosa**
decumbens Thunb. L,F,M,S
G:209, SCH:99, V:112
(*M. neesii* Stapf)
neesii Stapf = **M. decumbens**
ovalis Nees = **M. racemosa**
pumila Stapf = **M. racemosa**
racemosa Thunb. L,F,M,S
G:209, SCH:99, V:113
(*M. bolusii* Stapf)
(*M. brevifolia* Stapf)
(*M. decumbens* sensu Gordon-Gray, non Thunb.)
(*M. ovalis* Nees)
(*M. pumila* Stapf)

MELINIS P.Beauv. 9901340
macrochaeta Stapf & C.E.Hubb. KN
G:211
nerviglumis (Franch.) Zizka L,F,M,S
G:212, SCH:43, V:197
(*Rhynchelytrum nerviglume* (Franch.) Chiov.)
(*R. nyassanum* (Mez) Stapf & C.E.Hubb.)
(*R. ramosum* Stapf & C.E.Hubb.)
(*R. rhodesianum* (Rendle) Stapf & C.E.Hubb.)
(*R. setifolium* (Stapf) Chiov.)
repens (Willd.) Zizka subsp. **repens** L
G:212, V:235, J:106
(*Rhynchelytrum repens* (Willd.) C.E.Hubb.)
(*Tricholaena rosea* Nees)

MERXMUELLERA Conert 9902043
aureocephala (J.G.Anderson) Conert KN
G:215
(*Danthonia aureocephala* J.G.Anderson)
disticha (Nees) Conert F,M,S
G:216, SCH:53, V:83
(*Danthonia disticha* Nees)
drakensbergensis (Schweick.) Conert F,M
G:216, SCH:55
(*D. drakensbergensis* Schweick.)
guillarmodiae Conert M
G:216, SCH:55

MERXMUELLERA Conert (cont.)
macowanii (Stapf) Conert M
G:217, SCH:55
(*Danthonia macowanii* Stapf)
stereophylla (J.G.Anderson) Conert M
G:218, SCH:55
(*Danthonia stereophylla* J.G.Anderson)
stricta (Schrad.) Conert M
G:218, SCH:57
(*Danthonia stricta* Schrad.)

MICROCHLOA R.Br. 9902940
caffra Nees L,F,M,S
G:219, SCH:88, V:121
kunthii Desv. L,M
G:219

MISCANTHIDIUM Stapf
capense (Nees) Stapf = **Miscanthus capensis**
capense (Nees) Stapf var. *capense* = **Miscanthus capensis**
erectum Stent & C.E.Hubb. = **Miscanthus capensis**
junceum Stapf = **Miscanthus junceus**
sorghum (Nees) Stapf = **Miscanthus capensis**
teretifolium (Stapf) Stapf = **Miscanthus junceus**

MISCANTHUS Andersson 9900380
capensis (Nees) Andersson L,F,M,S
SCH:11
(*Miscanthidium capense* (Nees) Stapf)
(*M. capense* (Nees) Stapf var. *capense*)
(*M. erectum* Stent & C.E.Hubb.)
(*M. sorghum* (Nees) Stapf)
junceus (Stapf) Pilg. L
G:221
(*Miscanthidium junceum* Stapf)
(*M. teretifolium* (Stapf) Stapf)

MONOCYMBIUM Stapf 9900750
ceresiiforme (Nees) Stapf F,M
G:223, SCH:21, V:277, J:103
(*Andropogon ceresiiformis* Nees)

NASELLA
Nassella neesiana (Trin. & Rupr.) Barkworth = **Stipa dregeana** var. **elongata**

OPLISMENUS P.Beauv. 9901150
hirtellus (L.) P.Beauv. KN,EC
G:227, V:172
undulatifolius (Ard.) Roem. & Schult. KN
G:228

OROPETIUM Trin. 9903200
capense Stapf M
G:229

PANICUM L. 9901160
aequinerve Nees M
G:235, SCH:36
coloratum L. var. **coloratum** L
G:236, V:236
(*P. coloratum* L. var. *makarikariense* Gooss.)
coloratum L. var. *makarikariense* Gooss. = **P. coloratum** var. **coloratum**
deustum Thunb. L
G:236, SCH:36, V sp.237
ecklonii Nees M
G:237, SCH:36
fulgens auctt., non Stapf = **P. natalense**
glabrescens Steud. = **P. subalbidum**
helopus Trin. var. *glabrescens* K.Schum. = **Urochloa panicoides**
isachne Griseb. = **Brachiaria eruciformis**
laevifolium Hack. var. *laevifolium* = **P. schinzii**
maximum Jacq. L,M
G:239, V:239
natalense Hochst. KN,FS,EC
G:240, SCH:36, V:240
(*P. fulgens* auctt., non Stapf)
schinzii Hack. L,M
G:241, SCH:36, V:241
(*P. laevifolium* Hack. var. *laevifolium*)
serratum (Thunb.) Spreng. = **Brachiaria serrata**
stagninum Retz. = **Echinochloa stagnina**
stapfianum Fourc. L,F
G:241, SCH:38
subalbidum Kunth FS
G:242, SCH:38
(*P. glabrescens* Steud.)
sp. KN
G:242

PASPALUM L. 9901070
commersonii Lam. = **P. scrobiculatum**
***dilatatum** Poir. L,M
G:246, SCH:117, V:173
distichum L. L,M
G:246, V:131
(*P. paspaloides* (Michx.) Scribn.)
***notatum** Flüggé L
G:246, V:132
orbiculare G.Forst. = **P. scrobiculatum**
paspaloides (Michx.) Scribn. = **P. distichum**
polystachyum R.Br. = **P. scrobiculatum**
scrobiculatum L. KN
G:246
(*P. commersonii* Lam.)
(*P. orbiculare* G.Forst.)
(*P. polystachyum* R.Br.)
***urvillei** Steud. KN
G:247
vaginatum Sw. L
G:247

PENNISETUM Rich. 9901390
***clandestinum** Chiov. L
G:248, SCH:43
macrourum Trin. L,F,S
G:249, SCH:45

natalense Stapf KN,FS
G:249
sphacelatum (Nees) T.Durand & Schinz L,F,M,S
G:250, V:85
(*P. sphacelatum* (Nees) T.Durand & Schinz var. *tenuifolium* (Hack.) Stapf)
sphacelatum (Nees) T.Durand & Schinz var. *tenuifolium* (Hack.) Stapf = **P. sphacelatum**
thunbergii Kunth L,F,M
G:250, SCH:45
unisetum (Nees) Benth. M
G:250
(*Beckeropsis uniseta* (Nees) K.Schum.)
***villosum** R.Br. ex Fresen. L
G:251

PENTASCHISTIS (Nees) Spach 9902050
airoides (Nees) Stapf subsp. **airoides** L,F,M
airoides (Nees) Stapf subsp. **jugorum** (Stapf) H.P.Linder L,F,M
G:256, SCH:61
(*P. jugorum* Stapf)
aurea (Steud.) McClean subsp. **pilosogluma** (McClean) H.P.Linder M
G:257
(*P. pilosogluma* McClean)
basutorum Stapf F
G:258, SCH:63
exserta H.P.Linder M
G:260
fibrosa Stapf = **P. tysonii**
galpinii (Stapf) McClean M
G:260, SCH:59, J:114
(*Achneria galpinii* Stapf)
jugorum Stapf = **P. airoides** subsp. **jugorum**
microphylla (Nees) McClean EC
G:261, SCH:59
natalensis Stapf M
G:261, SCH:64
oreodoxa Schweick. M
G:261, SCH:64
pilosogluma McClean = **P. aurea** subsp. **pilosogluma**
praecox H.P.Linder KN
G:262
setifolia (Thunb.) McClean L,F,M,S
G:263, SCH:61, J:115
(*Achneria setifolia* Stapf)
tysonii Stapf M
G:264, SCH:63
(*P. fibrosa* Stapf)

PEROTIS Aiton 9902800
patens Gand. L
V:87

PHACELURUS Griseb. 9900180
franksiae (J.M.Wood) Clayton KN
G:267
(*Ischaemum franksiae* J.M.Wood)

PHALARIS L. 9901630
***aquatica** L. FS
G:268
(*P. nodosa* L.)
(*P. tuberosa* L.)
***arundinacea** L. L,F,M
G:269, SCH:48
***canariensis** L. L
G:269
***minor** Retz. L
G:269, SCH:49
nodosa L. = **P. aquatica**
tuberosa L. = **P. aquatica**

PHRAGMITES Adans. 9902140
australis (Cav.) Steud. L,F,M
G:269, SCH:64
(*P. communis* Trin.)
communis Trin. = **P. australis**
mauritianus Kunth KN
G:270

POA L. 9904070
***annua** L. L,M
G:271, SCH:104, V:243
atherstonei Stapf = **P. binata**
bidentata Stapf = **P. pratensis**
binata Nees L,F,M
G:271, SCH:104
(*P. atherstonei* Stapf)
(*P. heterogama* Hack.)
heterogama Hack. = **P. binata**
leptoclada A.Rich. L
G:272
***pratensis** L. L,M
G:272, SCH:102
(*P. bidentata* Stapf)

POGONARTHRIA Stapf 9903340
falcata Rendle = **P. squarrosa**
squarrosa (Roem. & Schult.) Pilg. L,F
G:273, SCH:96, V:199, J:118
(*P. falcata* Rendle)

POLEVANSIA De Winter 9903101
rigida De Winter M
G:274

POLYPOGON Desf. 9902440
semiverticillata (Forssk.) Hyl. = **P. viridis**
viridis (Gouan) Breistr. KN,EC
G:276
(*Agrostis semiverticillata* (Forssk.) C.Chr.)
(*P. semiverticillata* (Forssk.) Hyl.)

PSEUDOBROMUS K.Schum.
africanus (Hack.) Stapf = **Festuca africana**
silvaticus K.Schum. = **Festuca africana**

RENDLIA Chiov. 9902941
altera (Rendle) Chiov. KN
G:281
(*R. nelsonii* (Stapf) Chiov.)
nelsonii (Stapf) Chiov. = **R. altera**

RHYNCHELYTRUM Nees
nerviglume (Franch.) Chiov. = **Melinis nerviglumis**
nyassanum (Mez) Stapf & C.E.Hubb. = **Melinis nerviglumis**
ramosum Stapf & C.E.Hubb. = **Melinis nerviglumis**
repens (Willd.) C.E.Hubb. = **Melinis repens** subsp. **repens**
rhodesianum (Rendle) Stapf & C.E.Hubb. = **Melinis nerviglumis**
setifolium (Stapf) Chiov. = **Melinis nerviglumis**

SCHISMUS P.Beauv. 9904050
barbatus (Loefl. ex L.) Thell. L
G:287

SCHIZACHYRIUM Nees 9900680
sanguineum (Retz.) Alst. KN
V:89
(*S. semiberbe* Nees)
semiberbe Nees = **S. sanguineum**

SCHMIDTIA Steud. ex J.A.Schmidt 9903610
bulbosa Stapf = **S. pappophoroides**
pappophoroides Steud. ex J.A.Schmidt KN
G:291, V:201
(*S. bulbosa* Stapf)

SETARIA P.Beauv. 9901280
eylesii Stapf & C.E.Hubb. = **S. incrassata**
flabellata Stapf subsp. *natalensis* De Wit = **S. sphacelata**
gerrardii Stapf = **S. incrassata**
holstii Herrm. = **S. incrassata**
homblei De Willd. = **S. sphacelata**
incrassata (Hochst.) Hack. L
G:296, V:91
(*S. eylesii* Stapf & C.E.Hubb.)
(*S. gerrardii* Stapf)
(*S. holstii* Herrm.)
(*S. pabularis* Stapf)
(*S. palustris* Stapf)
(*S. perberbis* De Wit)
(*S. phragmitoides* Stapf)
(*S. porphyrantha* Stapf)
(*S. rudifolia* Stapf)
(*S. woodii* Hack. subsp. *bechuanica* De Wit)
(*S. woodii* Hack. var. *woodii*)
***italica** (L.) P.Beauv. F
J:107
lindenbergiana (Nees) Stapf L
G:296, V:114
(*S. phillipsii* De Wet)
nigrirostris (Nees) T.Durand & Schinz L
G:297, SCH:41, V:92
obscura De Wit KN,FS
G:297
pabularis Stapf = **S. incrassata**
pallide-fusca (Schumach.) Stapf & C.E.Hubb. L,M
G:297, SCH:42, V:93
palustris Stapf = **S. incrassata**
perberbis De Wit = **S. incrassata**
phillipsii De Wet = **S. lindenbergiana**
phragmitoides Stapf = **S. incrassata**
porphyrantha Stapf = **S. incrassata**
rudifolia Stapf = **S. incrassata**
sphacelata (Schumach.) Moss var. **sphacelata** L,S
V:95
sphacelata (Schumach.) Moss var. **torta** (Stapf) Clayton L
G:299, SCH:41, V:96
(*S. flabellata* Stapf subsp. *natalensis* De Wit)
(*S. homblei* De Willd.)
(*S. torta* Stapf)
torta Stapf = **S. sphacelata**
verticillata (L.) P.Beauv. L
SCH:41
woodii Hack. subsp. *bechuanica* De Wit = **S. incrassata**
woodii Hack. var. *woodii* = **S. incrassata**

SORGHUM* Moench 9900460
almum Parodi = **S. halepense**
***bicolor** (L.) Moench subsp. drummondii (Steud.) De Wet FS
G:302
(*S. sudanense* (Piper) Stapf)
***halepense** (L.) Pers. FS
G:302
(*S. almum* Parodi)
sudanense (Piper) Stapf = **S. bicolor**

SPOROBOLUS R.Br. 9902830
africanus (Poir.) Robyns & Tournay L,F,S
G:306, SCH:78, V:116
(*S. capensis* (Willd.) Kunth)
artus Stent = **S. mauritianus**
capensis (Willd.) Kunth = **S. africanus**
centrifugus (Trin.) Nees F,M,S
G:307, SCH:78
(*S. schlechteri* Schweick.)
discosporus Nees L,F
G:308, SCH:78
fimbriatus (Trin.) Nees L,F,S
G:309, SCH:78, V:246
(*S. fimbriatus* (Trin.) Nees var. *latifolius* Stent)
fimbriatus (Trin.) Nees var. *latifolius* Stent = **S. fimbriatus**
fourcadii Stent EC
G:309
mauritianus (Steud.) T.Durand & Schinz KN
G:310
(*S. artus* Stent)
pectinatus Hack. KN
G:311, V:249
pyramidalis P.Beauv. KN,FS
G:311, V:203

schlechteri Schweick. = **S. centrifugus**
stapfianus Gand. KN,EC
G:312, V:250

STIBURUS Stapf 9904000
alopecuroides (Hack.) Stapf F,M
G:316, SCH:102
conrathii Hack. F,M
G:316, SCH:102

STIPA L. 9902630
dregeana Steud. var. **elongata** (Nees) Stapf KN,FS
G:317
neesiana Trin. & Rupr. EC
G:318
(*Nassella neesiana* (Trin. & Rupr.) Barkworth)

STIPAGROSTIS Nees 9902611
namaquensis (Nees) De Winter S
G:325
(*Aristida namaquensis* (Nees) Trin. & Rupr.)
uniplumis (Licht.) De Winter var. **neesii** (Trin. & Rupr.) De Winter S
V:251
zeyheri (Nees) De Winter subsp. **sericans** (Hack.) De Winter L,M,S
G:329
(*Aristida capensis* Thunb. var. *dieterleniana* Schweick.)
(*A. sericans* Hack. apud Schinz)

STREBLOCHAETE Pilg. 9901971
longiarista (A.Rich.) Pilg. S

STYPPEIOCHLOA De Winter 9903504
gynoglossa (Gooss.) De Winter KN,EC
G:330
(*Crinipes gynoglossa* Gooss.)

TETRACHNE Nees 9903270
dregei Nees L,F,M,S
G:332, SCH:94, V:175

THAMNOCALAMUS Munro 9904570
tessellatus (Nees) Soderstr. & R.P.Ellis L,F,M,S
G:333, SCH:112
(*Arundinaria tesselata* (Nees) Munro)

THEMEDA Forssk. 9900830
triandra Forssk. L,F,M,S
G:335, SCH:25, V:278, J:104
(*Anthistiria imberbis* Retz.)
(*T. triandra* Forssk. var. *burchellii* (Hack.) Stapf)
(*T. triandra* Forssk. var. *hispida* (Nees) Stapf)
(*T. triandra* Forssk. var. *imberbis* (Retz.) A.Camus)
(*T. triandra* Forssk. var. *trachyspathea* Gooss.)
(*T. triandra* Forssk. var. *vulgaris* auctt., non Hack.)
triandra Forssk. var. *burchellii* (Hack.) Stapf = **T. triandra**
triandra Forssk. var. *hispida* (Nees) Stapf = **T. triandra**
triandra Forssk. var. *imberbis* (Retz.) A.Camus = **T. triandra**
triandra Forssk. var. *trachyspathea* Gooss. = **T. triandra**
triandra Forssk. var. *vulgaris* auctt., non Hack. = **T. triandra**

TRACHYPOGON Nees 9900780
capensis (Thunb.) Trin. = **T. spicatus**
polymorphus Hack. var. *capensis* Hack. sensu Stapf = **T. spicatus**
spicatus (L.f.) Kuntze L,F,M,S
G:137, SCH:23, V:98, J:101
(*T. capensis* (Thunb.) Trin.)
(*T. polymorphus* Hack. var. *capensis* Hack. sensu Stapf)

TRAGUS Hallerf. 9902740
berteronianus Schult. KN,FS
G:338, V:99
koelerioides Asch. L,F
G:338
racemosus (L.) All. L,F,M,S
G:338, SCH:75, V:100

TRICHOLAENA Schrad.
Tricholaena rosea Nees = **Melinis repens** subsp. **repens**

TRICHONEURA Andersson. 9903530
grandiglumis (Nees) Ekman var. **grandiglumis** L,F,M
G:343, SCH:96, V:253

TRIRAPHIS R.Br. 9903500
andropogonoides (Steud.) E.Phillips FS
G:346

TRISTACHYA Nees 9901740
hispida (L.f.) K.Schum. = **T. leucothrix**
leucothrix Nees L,F,M,S
G:348, SCH:51, V:208, J:113
(*Apochaete hispida* (L.f.) J.B.Phipps)
(*T. hispida* (L.f.) K.Schum.)

UROCHLOA P.Beauv. 9901100
mosambicensis (Hack.) Dandy KN
G:351, V:176
(*U. pullulans* Stapf)
(*U. rhodesiensis* Stent)
panicoides P.Beauv. L,F
G:352, V:177, J:105
(*Panicum helopus* Trin. var. *glabrescens* K.Schum.)
(*U. ruschii* sensu Chippind., non Pilg.)
pullulans Stapf = **U. mosambicensis**
rhodesiensis Stent = **U. mosambicensis**
ruschii sensu Chippind., non Pilg. = **U. panicoides**

VULPIA C.C.Gmel. 9904180
***bromoides** (L.) S.F.Gray M
G:354
***myuros** (L.) C.C.Gmel. L,F,M
G:355, SCH:107

ZEA* L. 9900080
***mays** L. L,F,M,S

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9900370 *Imperata* Cirillo
9900380 *Miscanthus* Andersson
9900460 *Sorghum* Moench
9900530 *Eulalia* Kunth
9900630 *Bothriochloa* Kuntze
9900680 *Schizachyrium* Nees
9900710 *Andropogon* L.
9900720 *Cymbopogon* Spreng.
9900730 *Hyparrhenia* E.Fourn.
9900750 *Monocymbium* Stapf
9900780 *Trachypogon* Nees
9900800 *Heteropogon* Pers.
9900810 *Diheteropogon* (Hack.) Stapf
9900830 *Themeda* Forssk.
9900890 *Digitaria* Haller f.
9900940 *Alloteropsis* J.Presl
9901040 *Brachiaria* (Trin.) Griseb.
9901050 *Axonopus* P.Beauv.
9901070 *Paspalum* L.
9901100 *Urochloa* P.Beauv.
9901120 *Echinochloa* P.Beauv.
9901150 *Oplismenus* P.Beauv.
9901160 *Panicum* L.
9901280 *Setaria* P.Beauv.
9901340 *Melinis* P.Beauv.
9901390 *Pennisetum* Rich.
9901590 *Leersia* Sw.
9901600 *Ehrharta* Thunb.
9901630 *Phalaris* L.
9901640 *Anthoxanthum* L.
9901730 *Arundinella* Raddi
9901740 *Tristachya* Nees
9901751 *Loudetia* Steud.
9901850 *Aira* L.
9901890 *Deschampsia* P.Beauv.
9901920 *Holcus* L.
9901950 *Avena* L.
9901970 *Helictotrichon* Schult.
9901971 *Streblochaete* Pilg.
9902043 *Merxmuellera* Conert
9902044 *Karroochloa* De Winter
9902050 *Pentaschistis* (Nees) Spach
9902110 *Cortaderia* Stapf
9902130 *Arundo* L.
9902140 *Phragmites* Adans.
9902430 *Agrostis* L.
9902440 *Polypogon* Desf.
9902611 *Stipagrostis* Nees
9902620 *Aristida* L.
9902630 *Stipa* L.
9902740 *Tragus* Haller f.
9902800 *Perotis* Aiton
9902830 *Sporobolus* R.Br.
9902852 *Diandrochloa* De Winter
9902860 *Eragrostis* Wolf
9902940 *Microchloa* R.Br.
9902941 *Rendlia* Chiov.
9902942 *Catalepis* Stapf & Stent
9902960 *Cynodon* Rich.
9902980 *Harpochloa* Kunth
9902990 *Ctenium* Panz.
9903010 *Chloris* Sw.
9903020 *Eustachys* Desv.
9903101 *Polevansia* De Winter
9903200 *Oropetium* Trin.
9903270 *Tetrachne* Nees
9903310 *Eleusine* Gaertn.
9903340 *Pogonarthria* Stapf
9903442 *Bewsia* Gooss.
9903450 *Diplachne* P.Beauv
9903500 *Triraphis* R.Br.
9903504 *Styppeiochloa* De Winter
9903530 *Trichoneura* Andersson
9903570 *Enneapogon* Desv. ex P.Beauv.
9903610 *Schmidtia* Steud.
9903710 *Fingerhuthia* Nees
9903720 *Lamarckia* Moench
9903740 *Koeleria* Pers.
9903860 *Melica* L.
9903980 *Dactylis* L.
9904000 *Stiburus* Stapf
9904040 *Briza* L.
9904050 *Schismus* P.Beauv.
9904070 *Poa* L.
9904100 *Colpodium* Trin.
9904170 *Festuca* L.
9904180 *Vulpia* C.C.Gmel.
9904280 *Bromus* L.
9904320 *Brachypodium* P.Beauv.
9904330 *Lolium* L.
9904510 *Hordeum* L.
9904570 *Thamnocalamus* Munro

About SABONET

This publication is a product of the Southern African Botanical Diversity Network (SABONET), a programme aimed at strengthening the level of botanical expertise, expanding and improving herbarium and botanic garden collections, and fostering closer collaborative links among botanists in the southern African subcontinent.

The main objective of SABONET is to develop a strong core of professional botanists, taxonomists, horticulturists, and plant diversity specialists within the ten countries of southern Africa (Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe). This core group will be competent to inventory, monitor, evaluate, and conserve the botanical diversity of the region in the face of specific development challenges, and to respond to the technical and scientific needs of the Convention on Biological Diversity.

To enhance the human resource capacity and infrastructure available in the region, SABONET offers training courses, workshops, and collaborative expeditions in under-collected areas. The programme produces a newsletter, *SABONET News*, and a series of occasional publications, the *Southern African Botanical Diversity Network Report Series*, of which this publication is part.

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