

The Flora of the Mariepskop Complex*

by

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ABSTRACT

The physiography, soils, climate and the main plant communities found on Mariepskop, Eastern Transvaal, are briefly described; a checklist of the plants recorded is appended.

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INTRODUCTION

Mariepskop (altitude 1946 m) is situated at $30^{\circ} 52' E$ and $24^{\circ} 30' S$ in the district of Pilgrim's Rest, in the Transvaal Drakensberg Mountains. Access to the area is via Lydenburg and through the Abel Erasmus Pass towards Acornhoek, or via Nelspruit and thence northwards to Acornhoek and Klaserie. Mariepskop is approximately 32 km west of Klaserie station and is not yet accessible by road through the Blyde River Valley.

The name of the mountain is derived from the Bantu chief Maripi who with his tribe found sanctuary from raiding Swazi warriors on this high mountain known by the Bantu as Mohuluhulu, "the great one". The flat summit formed a natural fortress of great strength which they were able to defend by rolling boulders down the cliffs. Although the Swazis attacked the fortress on numerous occasions they did so without success. In the words of Bulpin (1965) "The bones of their dead are still to be seen as mementoes of a tough siege and bitter defence".

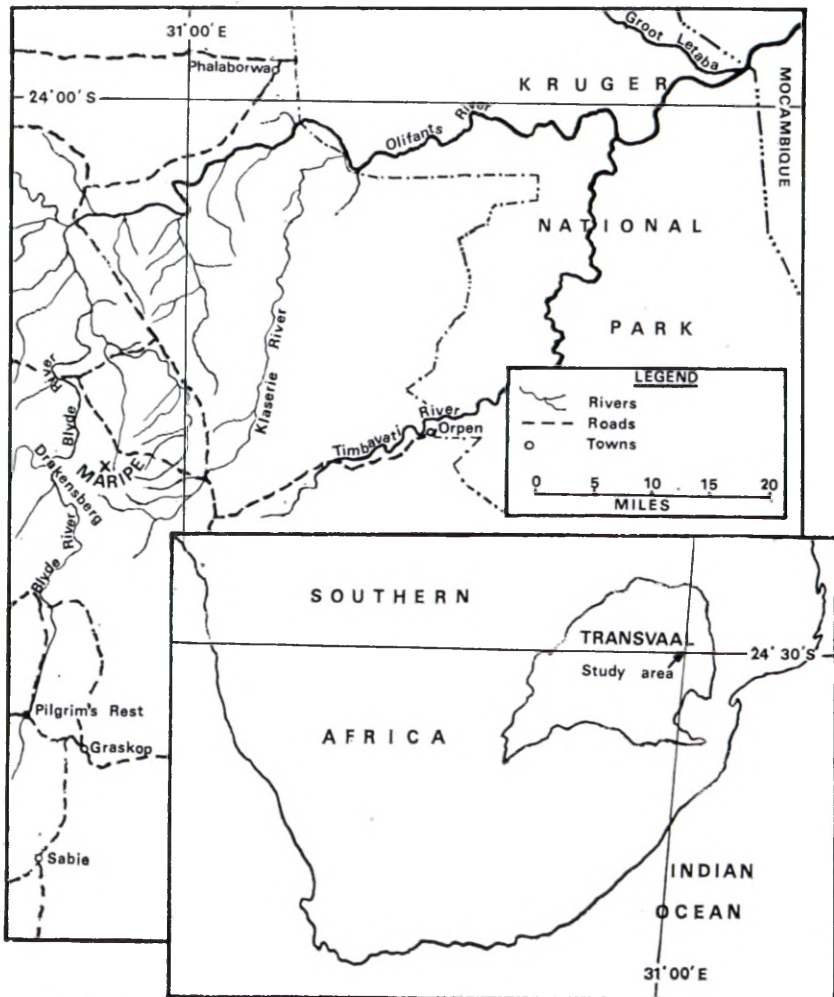


FIG. 1. — Location of Mariepskop, the study area.

The Mariepskop-Magalieskop complex is separated from the rest of the Drakensberg Range by a tributary of the Klaserie River and by the Blyde River, the latter forming a deep canyon. The Klaserie River, which rises in the rain forests on the southern slopes of Mariepskop, is a perennial stream that provides irrigation water for the riparian farmers in the Lowveld. Here, the Mariepskop complex marks the position where the Drakensberg escarpment changes direction, from a north-south direction to the south of Mariepskop to a south-easterly to north-westerly direction towards the Wolkberg. The valleys of the Klaserie and Blyde Rivers are important because they form migration routes for the Lowveld flora westwards into the mountains and for the montane flora eastwards to the Lowveld.

As at 31st March 1969, 2 954 ha of the Mariepskop Forest Reserve were covered by indigenous forest and 1 560 ha by plantations, while 121 ha are suitable for future plantations and 378 ha could not be utilized for silviculture.

GEOLOGY

According to Hall (1910) and Du Toit (1954), Mariepskop is partly formed of the erosion-resisting quartzites of the Black Reef Series that extends from Duiwelskantoor near Kaapsehoop to the Wolkberg. This formation outcrops along a narrow belt running roughly north and south, parallel to the Dolomite area on the west, and gradually turning towards the north-west after crossing the Blyde River. Between Belvedere and Mariepskop the Series attains its maximum surface width of 8.5 km.

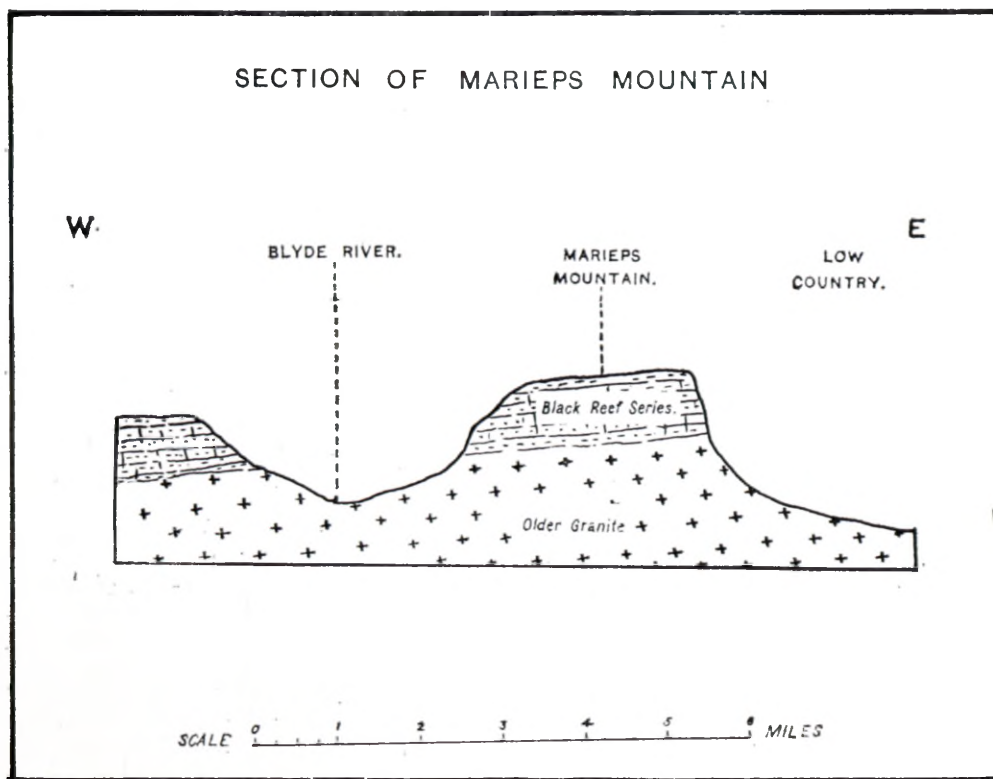


FIG. 2. — Geological section of Mariepskop Complex, (after Hall, 1910).

Northwards and north-westwards from the source of the Treur River, the Black Reef plateau undergoes a marked change, owing mainly to the increased erosion by the Treur, Blyde and Ohrigstad Rivers. These have cut deeply into the succession of quartzites and sandstones and have carved out a series of long, deep kloofs.

“The quartzites weather in the peculiar and fantastic manner of the Table Mountain Sandstone; are vertically jointed and give rise to scenery of considerable grandeur, the rugged grey crags of the Escarpment contrasting with the rounded, grassy, and often forested granitic slopes of the ‘Low Veld’ beneath” (Du Toit, 1954).

The Black Reef Series consists of a succession of sandstones, quartzites, conglomerates and sandy shales. This division of the Black Reef Series is clearly recognizable around Mariepskop. The major stratigraphical sub-divisions are:

780 m	{	Passage-beds	Shaly sandstones
		Upper quartzite group ...	Quartzite
		Middle shale group	Shales and shaly sandstones
		Lower quartzite group ...	Quartzite with conglomerate bands at base.

SOILS

Most soils at Mariepskop belong to the Lateritic Red Earths of Van der Merwe (1940). The mature soils are strongly weathered and deep with the mineral content generally low. Horizon development is poor, but the soil is well drained. The soils of the higher areas with a higher rainfall are more leached and lateritized than those in the Blyde River Canyon and at the foothills of the mountain. The humus content in the topsoil is fairly high.

No direct correlation could be found between the vegetation and soil type, except that both are influenced by the climate. For details of the soil conditions of Mariepskop Complex, see Table 1.

TABLE 1. — Soil conditions of Mariepskop Complex.

<i>Soil depth</i>		<i>Mountain Summit Grassveld</i>	<i>Montane Forest</i>	<i>Lowveld Sour Bushveld</i>
2.5-5 cm	pH	5.1	4.9	6.3
35 cm		5.0	4.4	5.4
2.5-5 cm	Texture	Coarse Sand	Loamy Sand	Coarse sandy loam
35 cm		Sand	Sandy loam	Sandy clay
2.5-5 cm	Structure	Structureless	Structureless	Poorly developed coarse block
35 cm		Structureless	Poorly developed coarse block	Moderately developed coarse block

CLIMATE

The only data available on the climate of the area are those recorded at an intermediate altitude on the Mariepskop and Salique Forestry Stations. There is little doubt that the mean annual precipitation on the higher slopes is much higher than at these two stations, possibly up to 2 500 mm in the southern and south-eastern kloofs at higher altitudes, while it is probably much lower than the recorded rainfall along the foot-hills and in the Blyde River Valley. This presumption is borne out by the foresters at Mariepskop Forestry Station who have often witnessed rainy days and rainy periods higher up in the kloofs when it has been dry at the Forestry Station and near the Blyde River in the valley.

At the Mariepskop Forestry Station the mean annual rainfall over a period of 25 years is 13.7 mm and the average number of days per year on which rain falls is 96.2. The wettest months are December, January and February with monthly means of 205 mm, 244.6 mm and 286 mm, respectively, and an average of 12.7, 14.2 and 13.5 rainy days per month. The driest months are June, July and August with 2.4, 2.2 and 3.4 rainy days, respectively, and average precipitations of 23.4 mm, 19.1 mm and 20.8 mm per month. Heavy down-pours of 50 mm and more within 24 hours are not unusual, and mist is frequent.

The Lowveld, nearly 1 220 m lower than the highest point on the mountain, is much warmer and the humidity much lower.

No temperature data are available.

Mist is an important source of moisture for most Bryophytic flora and the great number of epiphytes growing in the montane forests. The lichen *Usnea*, which is mainly dependent on mist for its moisture, is found on most of the forest trees, especially *Podocarpus latifolius*, *P. falcatus* and *Widdringtonia cupressoides*.

THE PLANT COMMUNITIES

On the basis of observations made during the past ten years, the vegetation may be divided into several communities. No quantitative surveys have been carried out, however, and the subdivisions are based mainly upon physiognomic features.

1. Low Altitude Woodland Communities (Plate 1).

These plant communities are a continuation of Acocks' (1952) Lowveld Sour Bushveld and Van der Schijff's (1958) Large-leaved Deciduous Bushveld with Tall Grass. They occur in the Blyde River Valley, on the eastern foot-hills of the Drakensberg below the Forestry Station and on the western and northern slopes of Mariepskop.

At these sites the rainfall is relatively low, being from 635—760 mm per annum. The area is low-lying (altitude 760 m) and on the northern slopes, where the insolation is greater, the temperatures and the rate of evaporation are probably much higher than on the southern and south-eastern slopes.

The area is broken and the vegetation varies from relatively open bushveld with tall grass on the undulating hills and slopes, through dense brushwood and scrub in the dongas and dry ravines, to patches of submontane forest in sheltered kloofs. This vegetation type can be subdivided into four main communities.



PLATE 1. — The Mariepskop Complex as seen from the Lowveld near Acorn Hoek.

(a) *Lowveld Gallery Forest.*

This type of forest is found on the banks of the Blyde and the Klaserie Rivers, although it is not well developed along the Blyde River on the north-western side of Mariepskop. Prominent species include:-

<i>Adina microcephala</i> var. <i>galpinii</i>	<i>Ekebergia capensis</i>
<i>Ficus capensis</i>	<i>Combretum imberbe</i>
<i>F. sycomorus</i>	<i>Trichilia emetica</i>
<i>Schotia brachypetala</i>	<i>Catha edulis</i>
<i>Spirostachys africanus</i>	<i>Acacia robusta</i>
<i>Syzygium cordatum</i>	<i>A. ataxacantha</i>
<i>S. guineense</i>	<i>Bauhinia galpinii</i>
<i>Combretum erythrophyllum</i>	<i>Phoenix reclinata</i>
<i>Acacia albida</i>	<i>Bridelia micrantha</i>
<i>Xanthocercis zambesiaca</i>	<i>Acacia karroo</i>
<i>Rauvolfia caffra</i>	<i>Antidesma venosum</i>
<i>Diospyros mespiliformis</i>	

(b) *Savanna on mountain slopes* (Plate 2).

At higher altitudes, the slopes are wetter and more mesic tree and shrub species are found, e.g. *Faurea speciosa*, *F. saligna*, *Acacia ataxacantha*, *Greyia sutherlandii*, *Trema orientalis*, *Iboza riparia*, *Antidesma venosum*, *Ficus petersii*, *Heteropyxis natalensis*, *Fagara capensis*, *Catha edulis*, *Rhoicissus tridentata* and *Acacia caffra*.

On the drier lower slopes, trees and shrubs found, among others, are:-

- | | |
|--|--|
| <i>Annona senegalensis</i> | <i>Flacourtia indica</i> |
| <i>Pterocarpus angolensis</i> | <i>Ficus ingens</i> |
| <i>P. rotundifolius</i> | <i>Lannea discolor</i> |
| <i>Acacia caffra</i> | <i>L. edulis</i> |
| <i>Dichrostachys cinerea</i> ssp. <i>glomerata</i> | <i>Pappea capensis</i> |
| <i>Parinari curatellifolia</i> ssp. <i>mobola</i> | <i>Peltophorum africanum</i> |
| <i>Sclerocarya caffra</i> | <i>Ximenia caffra</i> var. <i>natalensis</i> |
| <i>Grewia flavescens</i> | <i>Vangueria infausta</i> |
| <i>G. monticola</i> | <i>Ziziphus mucronata</i> |
| <i>Acacia gerrardii</i> | <i>Combretum zeyheri</i> |
| <i>A. sieberana</i> var. <i>woodii</i> | <i>C. apiculatum</i> |
| <i>A. davyi</i> | <i>C. imberbe</i> |
| <i>Cussonia natalensis</i> | <i>Holmskioldia tettensis</i> |
| <i>Euclea divinorum</i> | <i>Ficus smutsii</i> |
| <i>Commiphora mollis</i> | <i>F. soldanella</i> |
| <i>Chaetacme aristata</i> | <i>F. sonderi</i> |
| <i>Strychnos innocua</i> | <i>Terminalia sericea</i> |
| <i>Aloe marlothii</i> | <i>Trichilia emetica</i> |
| <i>Dombeya rotundifolia</i> | |



PLATE 2. — Woodland on mountain slope with a north-eastern aspect, grading into submontane forest in a sheltered kloof in the foreground (right).

(c) *Savanna on rocky ridges and shallow soils.*

Typical trees and shrubs found in this type of habitat include the following:-

Kirkia wilmsii
Ptaeroxylon obliquum
Terminalia phanerophlebia
Steganotaenia araliacea
Urera tenax
Cussonia natalensis
Aloe marlothii
Combretum apiculatum

Grewia monticola
Ficus sonderi
Sarcostemma viminalis
Euphorbia triangularis
E. tirucalli
Schotia brachypetala
Pappea capensis
Ficus ingens

(d) *Submontane forest in moist and sheltered kloofs.*

In moist kloofs higher up the mountain slopes and in the Blyde River Canyon itself, the vegetation changes into submontane forest. The following trees and shrubs are typical:-

Celtis africana
Ficus capensis
Ptaeroxylon obliquum
Ekebergia capensis
Mimusops zeyheri
Homalium dentatum
Syzygium cordatum
Anthocleista grandiflora

Halleria lucida
Pittosporum viridiflorum
Croton sylvaticus
Trimeria grandiflora
Cussonia spicata
Warburgia ugandensis
Protorhus longifolia
Acacia ataxacantha



PLATE 3. — High Mountain Grassland on plateau on mountain summit.

Lianas that can be expected in these forest patches include *Dalbergia armata*, *Rhoicissus tomentosa*, *R. tridentata*, *R. revouilii*, *Grewia occidentalis*, *Smilax kraussiana*, *Pterolobium exosum*, *Entada spicata* and *Acacia ataxacantha*.

In the kloofs of the eastern foot-hills these communities have mostly been replaced by plantations, but on the northern and western slopes the natural vegetation is still relatively intact.

2. High Mountain Grassland (Plate 3).

This type of vegetation is characteristic of the less moist and exposed ridges between wooded kloofs on the southern and south-eastern slopes, and also of the mountain summits of the Drakensberg. There are also isolated patches of mountain grassland scattered in the forest communities, a good example being in the vicinity of Colonel Reitz's grave. Frequently these patches of grassland serve as sponges for the mountain rivulets that constitute the head-waters of the Klaserie River.

Where the habitat is favourable, a fynbos type of vegetation replaces the grassveld. Hygrophilous species of shrubs and herbs associated with the grassveld in these areas include *Cliffortia linearifolia*, *Erica leucopelta* var. *luxurians*, *Hemizygia albiflora*, *Hypericum revolutum*, *Gunnera perpensa* and *Thelypteris palustris* var. *squamigera*.

The typical mesophytic mountain grassveld consists of a mixture of short, "sour" grasses of which some of the dominant species, such as *Danthonia drakensbergensis*, form tussocks. Characteristic grasses of this community are:-

<i>Eragrostis sclerantha</i>	<i>Sporobolus eylesii</i>
<i>E. caesia</i>	<i>Themeda triandra</i>
<i>E. capensis</i>	<i>Stiburus alopecuroides</i>
<i>Agrostis barbuligera</i>	<i>Trichopteryx dregeana</i>
var. <i>longipilosa</i>	<i>Andropogon distachyos</i>
<i>Harpechloa falx</i>	<i>Eulalia villosa</i>
<i>Loudetia simplex</i>	<i>Tristachya hispida</i>
<i>Panicum</i> spp.	

Geophytic species associated with the grassveld include:

<i>Brunsvigia natalensis</i>	<i>Hypoxis angustifolia</i>
<i>Watsonia densiflora</i>	<i>H. argentea</i>
<i>Moraea spathulata</i>	<i>H. membranacea</i>
<i>Dierama robustum</i>	<i>H. rigidula</i>

Other shrubs and herbs associated with the grassveld are:

<i>Cliffortia linearifolia</i>	<i>Lopholaena disticha</i>
<i>Helichrysum lepidissimum</i>	<i>Mohria caffrorum</i>
<i>H. latifolium</i>	<i>Smithia thymodora</i>
<i>H. wilmsii</i>	<i>Cheilanthes multifida</i>
<i>H. odoratissimum</i>	<i>Vaccinium exul</i>
<i>H. platypterum</i>	<i>Kniphofia triangularis</i> ssp. <i>obtusiloba</i>
<i>H. appendiculatum</i>	<i>Restio sieberi</i> var. <i>schoenoides</i>
<i>Erica leucopelta</i> var. <i>luxurians</i>	<i>Tetraria cuspidata</i>
<i>E. drakensbergensis</i>	<i>Scirpus macer</i>
<i>Protea roupPELLIAE</i>	<i>Vernonia corymbosa</i>
<i>P. rhodantha</i> var. <i>rhodantha</i>	<i>Crotalaria doidgeae</i>
<i>P. gagedi</i>	<i>Teedia lucida</i>

A feature in this area is that some of the largest patches of mountain grassland have been replaced by pine plantations, while the small patches that remain higher up the mountain in the natural forest belt are gradually being invaded by *Pinus patula*. Every effort should be made to eradicate these self-sown trees from the sponges that provide the headwaters of the Klaserie River.

3. Mountain Plateau Communities.

The plateau (altitude 1920 m) is bordered by vertical cliffs with a sheer drop of nearly 1220 m. The surface of the plateau is extremely rocky with shallow soil and a very high, though fluctuating water table. The climate is moist and cool, although the effective rainfall is lower than in the kloofs. For most of the year strong winds, which impair tree growth, blow over the summit.



PLATE 4. — Sheltered rocky basin on summit of mountain with sclerophyllous scrub in the foreground and *Widdringtonia* scrub in the background.

The following three habitats can be distinguished on the plateau:

- (a) Level, soil-covered areas occupied by *Danthonia* Grassland with associated geophytes. These areas are exposed to winds, the soil layer is approximately 0.5 m deep and there are no rock outcrops.
- (b) Flat, exposed rock habitats without soil and covered by lichens.
- (c) Sheltered rocky basins with shallow sandy soil where sclerophyllous shrubs occur (Plate 4).



PLATE 5. — Flat exposed lichen-covered rocks with fissures hundreds of feet deep on mountain summit. Wind-stunted *Podocarpus latifolius* scrub on right and stray *Pinus patula* in centre background.

The flat exposed rocks are covered with a variety of chasmophytic crustose and foliose lichens (Plate 5). Small hollows and depressions in the rock surface form semi-permanent pools of water where, under certain conditions, a very rich annual flora, with species such as *Ilysanthes conferta* and perennials such as *Isoetes natalensis*, occurs.

Although wind is a determining factor for species composition and growth form, huge boulders surrounding shallow basins provide adequate shelter for local islands of luxuriant vegetation. In these shallow sheltered basins, heath-like shrubs and their associates are found, the following being either dominant or conspicuous:

Passerina montana
Erica leucopelta var. *epebioides*
E. leucopelta var. *luxurians*
E. woodii
Vaccinium exul

Cliffortia serpyllifolia
C. nitidula ssp. *pilosa*
Phylica paniculata
Psoralea pinnata
Muraltia flanaganii

In the same kind of habitat, and more often than not together with the fynbos, scattered communities of *Protea roupelliae*, *P. rhodantha* var. *rhodantha* and *P. gagedi* are found.

Other characteristic plants of the mountain plateau include:-

<i>Anisopappus junodii</i>	<i>Agapanthus inapertus</i>
<i>Otiophora cupheoides</i>	<i>Zaluzianskya katherinae</i>
<i>Aloe nubigena</i>	<i>Cineraria fruticetorum</i>
<i>A. arborescens</i>	<i>Crassula browniana</i>
<i>Cyrtanthus huttonii</i>	<i>C. setulosa</i>
<i>Crocoshmia pottsii</i>	<i>C. parvisepala</i>
<i>Clivia caulescens</i>	<i>Kniphofia triangularis</i> ssp. <i>obtusiloba</i>
<i>Anthospermum hispidulum</i>	<i>K. linearifolia</i>
<i>Eumorphia davyi</i>	<i>Watsonia densiflora</i>
<i>Hemizygia albiflora</i>	<i>Euryops rogersii</i>
<i>Silene burchellii</i>	<i>Selago villosa</i>
<i>Plectranthus fruticosus</i>	<i>S. nelsonii</i>
<i>Albuca fastigiata</i>	<i>Nemesia melissaefolia</i>
<i>Craterostigma wilmsii</i>	<i>Macowania tenuifolia</i>
<i>C. plantagineum</i>	<i>Carex zuluensis</i>
<i>Helichrysum</i> spp.	<i>Monopsis kowynensis</i>
<i>Sebaea erosa</i>	<i>Hesperantha baurii</i>
<i>Hebenstreitia comosa</i>	<i>Lopholaena disticha</i>

4. *Widdringtonia* Communities (Plate 6).

These communities occur in fissures and kloofs on the southern and south-western cliffs just below the summit of the mountain, and between huge boulders on top of the mountain.

In the kloof south of the trigonometrical beacon on top of the mountain, where the habitat is probably particularly favourable for this community, practically pure stands of *Widdringtonia cupressoides* with trees up to 15 m were found. During 1967 this forest was, however, destroyed by a fire which was most probably caused by lightning. Fortunately the fire did not spread to the plateau vegetation or into the montane forest, probably because of the rocky surface of the areas adjoining this particular kloof. There are still few signs of life in the black scorched tree trunks of the *Widdringtonia* community and it appears that very few of the trees have survived the fire. The area is at present occupied by small herbs and shrubs, mainly *Selago* spp., *Psoralea* spp., *Helichrysum* spp., *Senecio* spp., *Hypericum* spp., *Dioscorea* spp., Cyperaceae and grasses. Cyperaceae occur throughout the area and, near the small stream that runs through the kloof, some species are approximately 1.25 m tall. Young *Widdringtonia* trees are appearing among the grass and, at present, average approximately 70 cm in height.

Between boulders on the mountain summit, where the vegetation is exposed to strong winds, the trees are often stunted. Here the *Widdringtonia* shrubs are associated with other shrubs and small trees such as *Rhus dura*, *Cliffortia nitidula*, *Podocarpus latifolius*, *Phylica paniculata*, *Cassine eucleaeformis*, *Pterocelastrus echinatus*, and with *Lycopodium clavatum* and *L. cernuum*.

On the slopes below the summit, *Widdringtonia cupressoides* occurs in association with various typical forest trees such as *Olea woodiana*, *Podocarpus latifolius*, *Xymalos monospora*, *Schrebera alata* and *Pterocelastrus echinatus*.



PLATE 6. — Destruction by fire of *Widdringtonia cupressoides* community in sheltered south-west facing kloof near summit of mountain.

5. Montane Forest (Plate 7).

A very large part of the Mariepskop-Magalieskop complex is covered with evergreen montane forest. In the deep kloofs and on the southern or south-eastern slopes, these forests attain their maximum development. In these kloofs the forest extends far down to merge eventually with the submontane forest of the Drakensberg foot-hills and this in turn into the Gallery Forest bordering the perennial rivers of the Lowveld.

Common tree species are:-

Podocarpus latifolius
P. falcatus
Diospyros whyteana
Ficus capensis
Kiggelaria africana
Faurea macnaughtonii
Pittosporum viridiflorum
Ilex mitis
Rapanea melanophloeos
Celtis africana

Halleria lucida
Apodytes dimidiata
Curtisia dentata
Calodendrum capense
Fagara davyi
Rhus chirindensis forma *legatii*
Olea capensis ssp. *macrocarpa*
Nuxia floribunda
Prunus africana



PLATE 7. — Transitional Lowveld Woodland—Montane Forest on sheltered east facing slopes of Mariepskop.

Where the forest attains its maximum development four strata can be distinguished:

(a) *Canopy*

The most common species of this stratum are:-

- | | |
|---|---|
| <i>Podocarpus latifolius</i> | <i>Faurea macnaughtonii</i> |
| <i>P. falcatus</i> (can attain a height
of 18.5 m or more) | <i>Brachylaena transvaalensis</i> |
| <i>Cussonia umbellifera</i> | <i>Ficus petersii</i> |
| <i>Ochna oconnorii</i> | <i>Xymalos monospora</i> |
| <i>Curtisia dentata</i> | <i>Celtis africana</i> |
| <i>Kiggelaria africana</i> | <i>Halleria lucida</i> |
| <i>Nuxia floribunda</i> | <i>Olea capensis</i> ssp. <i>macrocarpa</i> |
| <i>N. congesta</i> | <i>O. woodiana</i> |
| <i>Apodytes dimidiata</i> | <i>Ilex mitis</i> |
| <i>Brachylaena discolor</i> | <i>Pterocelastrus echinatus</i> |
| <i>Prunus africana</i> | <i>Bersama tysoniana</i> |
| <i>Combretum kraussii</i> | <i>Trichocladus grandiflorus</i> |
| <i>Diospyros whyteana</i> | <i>Protorhus longifolia</i> |
| <i>Syzygium gerrardii</i> | <i>Cussonia spicata</i> |
| <i>Schrebera alata</i> | <i>Cryptocarya liebertiana</i> |
| | <i>C. woodii</i> |



PLATE 8. — Scrubby undergrowth in open patch of typical montane forest along Bedford footpath.

(b) *Shade-tolerant small-tree stratum*

In this stratum, trees and shrubs such as *Rawsonia lucida*, *Fagara davyi*, *Trimeria grandifolia*, *Rhus chirindensis* forma *legatii*, *Rothmannia capensis*, *Tricalysia capensis*, *Oxyanthus gerrardii*, *Grumilia capensis*, *G. kirkii*, *Calpurnia aurea* and *Croton sylvaticus*, are found.

(c) *Shrub stratum* (Plate 8)

This is a heterogeneous stratum that varies with the aspect and the amount of light that penetrates the two higher strata. It is best developed towards the forest margins, where it sometimes forms dense thickets. The most characteristic components are *Bowkeria cymosa*, *Sclerochiton haveyanus*, *Plectranthus* spp., *Piper capense*, *Mackaya bella*, *Pavetta lanceolata*, *Vangueria cyanescens*, *Duvernoia adhatodioides* and *Canthium obovatum*.

Along streams and in other moist places in dense shade, abundant growths of Pteridophyta are found, e.g. *Marattia fraxinea* var. *salicifolia*, *Blechnum capense* and *Cyathea capensis*.

In moist areas with higher light intensity, *Hypolepis sparsisora* is found, as well as *Adiantum poiretii*, *Asplenium friesiorum*, *A. gemmiferum* and *Blechnum attenuatum* var. *giganteum*.

(d) *Herb stratum*

Like the shrub stratum, the herb stratum on the forest floor varies appreciably with the light intensity and consists exclusively of herbs and herb-like species. Where the tree and shrub strata are very well developed and the light intensity is consequently low, the floor vegetation is in many cases totally wanting or limited to species such as *Carex spicato-paniculata*, *Galopina circaeoides*, *Clivia caulescens*, *Selaginella kraussiana* and *Oplismenus hirtellus*. The latter grass is able to grow in dense shade. Other species characteristic of this stratum include:

<i>Impatiens sylvicola</i>	<i>Thalictrum rhynchocarpum</i>
<i>I. duthieae</i>	<i>Alchemilla rehmannii</i>
<i>Cardamine africana</i>	<i>Asplenium inaequaelaterale</i>
<i>Pseudobromus africanus</i>	<i>A. aethiopicum</i>
<i>Begonia</i> spp.	<i>A. erectum</i>
<i>Laportea peduncularis</i>	<i>A. rutaefolium</i>
<i>Peperomia retusa</i>	<i>Dryopteris inaequalis</i>
<i>Hypoestes verticillaris</i>	<i>Thelypteris pozoi</i>
<i>Streptocarpus micrantha</i>	

Where there is more light the floor vegetation is fairly dense with *Plectranthus* spp., *Piper capense*, *Laportea alatipes* and representatives of the Acanthaceae like *Barleria gueinzii*.

(e) *Lianas*

A conspicuous feature of the montane forest is the variety of lianas and epiphytes. The most important lianas are:

<i>Rhoicissus rhomboideus</i>	<i>Jasminum abyssinicum</i>
<i>R. revouillii</i>	<i>J. fluminense</i>
<i>R. tomentosa</i>	<i>Landolphia capensis</i>

Canthium gueinzii
Secamone alpinii
S. gerrardii
Riocreuxia torulosa
Quisqualis parviflora (very robust)

Cnestis natalensis
Smilax kraussiana
Behnia reticulata
Stephania abyssinica
Helinus integrifolius

In some localities along the edge of the forest, *Rubus rigidus*, *Entada spicata*, *Sphedannocarpus galphimifolius*, *Dioscorea retusa*, *Senecio tamoides*, *S. quinquelobus* and *Mikania cordata* form an impenetrable thicket or scrub together with shrubs like *Hypericum revolutum*, *Pteridium aquilinum*, *Buddleia salviifolia* and *Plectranthus* spp. Lower down in the kloofs, where elements of the Lowveld flora become more prominent, the most conspicuous lianas are *Rhoicissus tridentata*, *Adenia gummiifera*, *Dalbergia armata*, *Acacia ataxacantha* and *Pterolobium exosum*.

(f) *Epiphytes*

Most of the epiphytes recorded belong to the Pteridophyta or to the families Orchidaceae and Gesneriaceae of the higher plants. Epiphytic and epiphyllous mosses and lichens are also plentiful. The most important epiphytic Pteridophyta are:

Vittaria isoetifolia
Lycopodium verticillatum
L. dacrydioides
Polypodium polypodioides ssp. *ecklonii*
Pleopeltis macrocarpa

Loxogramme lanceolata
Asplenium sandersonii
A. anisophyllum
A. splendens
Elaphoglossum acrostichoides

The most common epiphytic orchids include:

Tridactyle tricuspus
Bulbophyllum sandersonii

Mystacidium capense
Angraecum sacciferum

Of the Gesneriaceae, *Streptocarpus haygarthii*, *S. micrantha* and *S. wilmsii* are common epiphytes, but they also grow, together with *Peperomia retusa*, on rocks in the forest.

Clivia caulescens (Amaryllidaceae), usually found on the forest floor, is often one of the most conspicuous epiphytes. Even *Aloe arborescens* is sometimes found as an epiphyte on trees at the edge of the forest.

6. Indigenous Communities in Plantations

In the *Pinus* plantations, especially the older ones, very few or no shrubs or herbs are found.

A better developed undergrowth is found in the *Eucalyptus* plantations. It would be interesting to observe the secondary succession in plantations left undisturbed for the next 20 or 30 years. In the higher areas with a southern or south-eastern aspect, it appears as though the succession will eventually result in a montane forest climax. Hitherto, the weeding that is done, is not selective, with the result that pioneer seedlings of the montane forest and of true forest trees are eliminated with normal ruderals.

Shrubs that have been found in the plantations include:

<i>Clerodendrum glabrum</i>	<i>Smilax kraussiana</i>
<i>Vernonia shirensis</i>	<i>Dombeya pulchra</i>
<i>Hibiscus meeusei</i>	<i>Heteropyxis natalensis</i>
<i>Pycnostachys urticifolia</i>	<i>Antidesma venosum</i>
<i>Rhus intermedia</i>	<i>Adenia gummifera</i>
<i>Maesa lanceolata</i>	<i>Cassia petersiana</i>
<i>Trema orientalis</i>	<i>Rhoicissus tridentata</i>
<i>Lippia javanica</i>	<i>Dalbergia armata</i>

The grass, *Setaria chevalieri*, is common, and the exotic liana, *Caesalpinia decapetala*, is encroaching on natural vegetation on the eastern foot-hills of Magalieskop.

THE AFFINITIES OF THE FLORA

Of the considerable number of interesting species collected in the area, the following deserve special mention: the ferns, *Pyrrhosia schimperiana* and *Hymenophyllum capillare*; the lichen, *Cladonia rangiformis*; and the fire lily, *Cyrtanthus huttonii*.

As far as can be ascertained, *Pyrrhosia schimperiana* and *Hymenophyllum capillare* have not previously been collected in South Africa, and the only specimen of *Cladonia rangiformis* in the National Herbarium, Pretoria, is from the Congo. The distribution of *Cyrtanthus huttonii*, which is abundant underneath cliffs that face south and south-east on top of Mariepskop, requires further study. The nearest locality of this species to Mariepskop is the Katberg in the Eastern Cape Province. Phytogeographically, Mariepskop is of special importance, because it is clear that it is an unusually interesting floral area.

The presence of predominantly southern genera like *Protea*, *Erica*, *Otiophora*, *Phyllica* and *Restio*, and species such as *Cliffortia nitidula*, *Passerina montana*, *Widdringtonia cupressoides*, *Myrsine africana*, *Vaccinium exul* and *Smithia thymodora* in the communities on the mountain plateau is of special interest as they also show affinities with the fynbos of the Chimanimani Mountains (Phipps and Goodier, 1962). This indicates that the eastern mountain ranges could possibly form a migration route for the sclerophyll flora of the South-western Cape. On the other hand, the montane forests have strong affinities with the forests of tropical eastern Africa, as found at Mount Salinda and the Chimanimani Mountains. Hence the Drakensberg Range forms a migration route for both the southern and the tropical elements of our indigenous flora.

FACTORS ENDANGERING THE INDIGENOUS FLORA

1. Silviculture

A very large area, 1 560 ha of the 5 013 ha incorporated in the Mariepskop Forest Reserve, is covered with plantations, of which an area of 1 152 ha is planted to conifers. Apart from the fact that very little undergrowth can survive under the coniferous trees, they are also very well adapted under these climatic conditions to encroach on the natural vegetation. Should these trees spread from the plantations in any great number, it would present a real danger to the Mountain Grassland. *Pinus patula*, in particular, establishes itself very easily at the forest edge and in grass patches. It is strongly urged that these trees should be destroyed as soon as they are noticed.

Encroachment on the indigenous flora is, however, not the only adverse influence of silviculture on the Mariepskop vegetation. The catchment area of the Klaserie River, which rises on the southern and south-eastern slopes of the Drakensberg, include 3 720 ha of plantations, comprising 794 ha at Mariepskop, 2 620 ha at Salique and 312 ha at Hebron.

It is already noticeable how springs, streams and rivulets, which flowed quite strongly about ten to fifteen years ago, have slowly become weaker, and how many of these have disappeared and completely dried up. It is of course possible that this phenomenon is due to purely natural causes.

Stream-flow measurements on the Klaserie River, where it is crossed by the main Tzaneen-Nelspruit road, are given in Table 2.

TABLE 2. — Mean annual rainfall for Mariepskop Forestry Station in millimetres compared with the mean annual run off for the Klaserie River in cubic metres between 1935 and 1960.

<i>Period</i>	<i>Rainfall (mm)</i>	<i>Run off (cubic metres)</i>
1935-40	1 729	143.07 x 10 ⁶
1941-45	1 122	48.72 x 10 ⁶
1946-50	1 332	38.43 x 10 ⁶
1955-60	2 060	28.72 x 10 ⁶
1961-64	1 308	16.58 x 10 ⁶

It is interesting to see how the flow of the river has steadily decreased even though there has been no permanent drop in rainfall.

If the plantations have a detrimental effect on the subterranean water, the vegetation on the foot-hills of Mariepskop, as well as the riparian flora of the Lowveld, will be affected.

2. Fire

Occasional fires, detrimental to certain plant species, occur on the mountain, but fortunately it seems these are usually the result of natural causes. The last serious fire was that which destroyed the large pure community of *Widdringtonia cupressoides* in the gully between the road and the trigonometrical beacon.

SUMMARY

The Mariepskop Complex lies in the Eastern Transvaal Drakensberg and forms part of the Eastern Escarpment which extends northwards from the Cape Province.

At the forestry station the mean annual rainfall is 1 369 mm, falling mainly in the summer months. In the sheltered kloofs facing east and south-east, precipitation, as judged by the vegetation, is probably much higher.

Mariepskop is geologically partly formed of the Black Reef Series. Soils are predominantly acid, lateritic, strongly weathered, and with generally low mineral content.

The natural vegetation is divided into five main communities, whereas indigenous shrubs and trees found in the pine plantations are dealt with separately.

Lowveld Sour Bushveld occurs in the Blyde River Valley on the eastern foot-hills of the Drakensberg below the Forestry Station and on the western and northern slopes of Mariepskop. The most conspicuous trees and shrubs are *Faurea saligna*, *F. speciosa*, *Peltophorum africanum*, *Sclerocarya caffra* and *Parinari curatellifolia* ssp. *mobola*, with typical Lowveld Gallery Forest on the river banks. Prominent riparian species include *Adina microcephala* var. *galpinii*, *Ficus capensis* and *Syzygium cordatum*.

High Mountain Grassland is characteristic of the less moist and exposed ridges between wooded kloofs on the southern and south-eastern slopes, and also of the plateau on the mountain summit. It is a short grassveld, the most conspicuous species being *Danthonia drakensbergensis*, *Loudetia simplex*, *Tristachya hispida* and *Andropogon distachyos*.

The communities of the mountain plateau show affinities with both the Cape fynbos and the scrub of the Chimanimani Mountains.

On the southern, south-eastern and south-western cliffs just below the summit of the mountain, in fissures and kloofs and between huge boulders on top of the mountain, pure *Widdringtonia cupressoides* scrub is found. Depending on the habitat, these communities vary from stunted shrubs to trees of appreciable size. One forest in a kloof south of the trigometrical beacon was destroyed by fire in 1967.

Evergreen montane forest with strong tropical affinities occurs in deep kloofs and in slopes facing south and south-east and is the most conspicuous component of the vegetation of this area. Typical species are *Podocarpus latifolius*, *P. falcatus*, *Diospyros whyteana*, *Kiggelaria africana*, *Nuxia floribunda*, *Faurea macnaughtonii* and *Ilex mitis*.

Factors endangering the indigenous flora are silviculture, fire and tourism.

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PRELIMINARY CHECK LIST OF THE VASCULAR PLANTS OF THE
MARIESPESKOP AREA, SOUTH AFRICA

The Pteridophyta are arranged into families and genera according to Schelpe (1969) and the Angiospermae according to Dalla Torre and Harms (1900-1907) and Phillips (1951). The numbers following plant names represent the collector's numbers of the senior author.

PTERIDOPHYTA

LYCOPODIACEAE

<i>Lycopodium carolinianum</i> L. Moist habitat in sun	6450
<i>L. cernuum</i> L. Moist soil between rocks	—
<i>L. clavatum</i> L. Open grassy slopes	4705
<i>L. dacrydioides</i> Bak. Epiphyte	6253
<i>L. gnidioides</i> L.f. On rocks	5586, 6307
<i>L. ophioglossoides</i> Lam. Epiphyte	1613
<i>L. saururus</i> Lam. Moist edge of Blyde River footpath	5092A
<i>L. verticillatum</i> L.f. Epiphyte on forest trees	4684, 6269

SELAGINELLACEAE

<i>Selaginella caffrorum</i> (Milde) Hieron. On plateau near trigonometrical beacon. Epiphyte on trees	6350
<i>S. dregei</i> (Presl) Hieron. Xerophyte on rocky outcrops	6349, 4819
<i>S. kraussiana</i> (Kunze) A.Br. Abundant on forest floor	4532, 4696
<i>S. mittenii</i> Bak. On rocky outcrop, Thalene-kop	6502

EQUISETACEAE

<i>Equisetum ramosissimum</i> Desf. Sand on Blyde River bank	6434
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OPHIOGLOSSACEAE

<i>Ophioglossum reticulatum</i> L. Pine plantation on Blyde River road	4515, 4302
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MARATTIACEAE

<i>Marattia fraxinea</i> Sm. ex Gmel. var. <i>salicifolia</i> (Schrad.) C. Chr. Dense shade	5577, 4719
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OSMUNDACEAE

<i>Osmunda regalis</i> L. In water and on bank of river	5137
<i>Todea barbara</i> (L.) Moore. Dense shade along streams	4924

SCHIZAEACEAE

<i>Anemia dregeana</i> Kunze. Terrestrial, in dry bush	4513, 5049
<i>Mohria caffrorum</i> (L.) Desv. Grassveld on mountain	5129, 4447
<i>Schizaea pectinata</i> (L.) Sw. Summit of mountain, between rocks	2478

GLEICHENIACEAE

<i>Gleichenia polypodioides</i> (L.) Sm. Shade of boulders	4490, 4538
<i>Dicranopteris linearis</i> (Burm.) Underw. Moist open areas	4649, 5088

HYMENOPHYLLACEAE

<i>Hymenophyllum capense</i> Schrad. Very moist places	6264, 6314
<i>H. capillare</i> Desv. On overhanging cliffs	4872, 4301
<i>H. polyanthos</i> Sw. var. <i>kuhnii</i> (C. Chr.) Schelpe. Shady places, on stems of trees	4300
<i>H. tunbridgense</i> (L.) Sm. Epiphyte, in dense shade	4624, 5825
<i>Trichomanes pyxidiferum</i> L. var. <i>melanotrichum</i> (Schlechtld.) Schelpe. Epiphyte on stems of forest trees	4722, 6216
<i>T. rigidum</i> Sw. Edge of stream	1604, 1606

CYATHEACEAE

<i>Cyathea dregei</i> Kunze. Moist open areas	5900
<i>C. capensis</i> (L.f.) Smith. Moist deep shade, southern kloofs	4306, 4720

DENNSTAEDTIACEAE

<i>Hypolepis sparsisora</i> (Schrad.) Kuhn. Moist sunny places in forest	4718, 5063
<i>Pteridium aquilinum</i> (L.) Kuhn. Widespread weed on forest margins and moist areas	5487
<i>Blotiella glabra</i> (Bory) Tryon. Moist open areas in forest	5574, 4717
<i>Histiopteris incisa</i> (Thunb.) J. Sm. Terrestrial on damp soil	—

VITTARIACEAE

<i>Vittaria isoetifolia</i> Bory. Epiphyte in mountain forest	4939, 6024
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ADIANTACEAE

<i>Pityrogramma argentea</i> (Willd.) Domin. Between rocks on damp soil	5595, 4489
<i>Adiantum aethiopicum</i> L. Shaded areas near water	—
<i>A. capillus-veneris</i> L. Shaded areas near water	5486
<i>A. poiretii</i> Wikstr. Open areas in forest	4981
<i>Pteris buchananii</i> Bak. ex Sim. Klaserie Drift on edge of forest	4936
<i>P. catoptera</i> Kunze. Moist places in forest margin	4467, 4996
<i>P. dentata</i> Forsk. ssp. <i>flabellata</i> (Thunb.) Runem. Kloof on western bank of Klaserie River	5488
<i>P. vittata</i> L. Kloof on western bank of Klaserie River	5484
<i>Cheilanthes eckloniana</i> Kunze. Open grassy areas, NE facing	4960, 4973
<i>C. hirta</i> Sw. North-eastern slopes in grassveld	5560
<i>C. multifida</i> Sw. Shade of boulders	5621, 4623
<i>Doryopteris concolor</i> (Langsd. & Fisch.) Kuhn var. <i>kirkii</i> (Hook.) Fries. Dry banks of donga	5048
<i>Pellaea calomelanos</i> (Sw.) Link. Between rocks, relatively dry areas	5152, 4932
<i>P. goudotii</i> (Kunze) C. Chr. Rocky outcrops	6053, 5135
<i>P. quadripinnata</i> (Forsk.) Prantl. Grass patches	5108
<i>P. viridis</i> (Forsk.) Prantl. Grassveld on north-eastern facing slopes	5094, 4934
<i>P. viridis</i> (Forsk.) Prantl var. <i>glauca</i> Sim. Open areas, between rocks	6455, 5514

POLYPODIACEAE

<i>Pyrrosia schimperiana</i> (Mett.) Alston. Rock crevices on cliffs	5505
<i>Loxogramme lanceolata</i> (Sw.) Presl. Epiphyte	5545
<i>Polypodium polypodioides</i> (L.) Hitch. ssp. <i>ecklonii</i> (Kunze) Schelpe. Epiphyte	5547, 4949
<i>Pleopeltis excavata</i> (Bory ex Willd.) Sledge. Between rocks at high altitudes	4879, 4762
<i>P. macrocarpa</i> (Willd.) Kaulf. Epiphyte in mountain forest	5546, 5580
<i>P. schraderi</i> (Mett.) Tard. On boles of large forest trees	5903

DAVALLIACEAE

<i>Oleandra distenta</i> Kunze. Rocky outcrops	5901
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ASPLENIACEAE

<i>Asplenium aethiopicum</i> (Burm.) Becherer. Forest floor	4327A, 5159
<i>A. anisophyllum</i> Kunze. Epiphyte in forest	5107, 5543
<i>A. erectum</i> Bory ex Willd. Rocks on forest floor	4700
<i>A. friesiorum</i> C. Chr. Moist areas in forest	4789, 5160
<i>A. gemmiferum</i> Schrad. Dense shade in forest	5575
<i>A. inaequalaterale</i> Hieron. Forest floor	4724
<i>A. rutaefolium</i> (Berg.) Kunze. Rocky places of forest floor	4682
<i>A. sandersonii</i> Hook. Epiphyte	5548, 4952
<i>A. splendens</i> Kunze. Epiphyte	4955, 5047
<i>A. theciferum</i> (H.B.K.) Mett. var. <i>concinnum</i> (Schrad.) Schelpe. Epiphyte	1627
<i>Ceterach cordatum</i> (Thunb.) Desv. Rock crevices in shade	5339

THELYPTERIDACEAE

<i>Thelypteris bergiana</i> (Schlecht.) Ching. Terrestrial in forest	—
<i>T. dentata</i> (Forsk.) E. St. John. Kloof on western bank of Blyde River	5485
<i>T. palustris</i> Schott var. <i>squamigera</i> (Schlecht.) Tard. Waterlogged grassveld near Reitz's grave	5064
<i>T. pozoi</i> (Lagasca) Morton. Forest floor	5110, 5095
<i>T. gueinziana</i> (Mett.) Schelpe. Small stream on way to Klaserie Waterfall	5046

ATHYRIACEAE

<i>Cystopteris fragilis</i> (L.) Bernh. In thick bush near running water	1615
<i>Athyrium scandicinum</i> (Willd.) Presl. Moist ground, on forest margin	4706, 4937

LOMARIOPSIDACEAE

<i>Elaphoglossum aerostichoides</i> (Hook.) Schelpe. Near waterfall, rocks in forest	5904
<i>E. angustatum</i> (Schrad.) Hieron. Rocks near waterfall	5902, 4928
<i>E. aubertii</i> (Desv.) Moore. Epiphyte on rocks	1618
<i>E. macropodium</i> (Fée) Moore. Among rocks at waterfall	1630
<i>E. lastii</i> (Bak.) C. Chr. Rocky outcrops	6619, 4927

ASPIDIACEAE

<i>Dryopteris inaequalis</i> (Schlecht.) O. Kuntze. Forest floor	4449, 5558
<i>Rumohra adiantiformis</i> (Forst.) Ching. Rocky outcrops in open areas in forest	4779

BLECHNACEAE

<i>Blechnum attenuatum</i> (Sw.) Mett. var. <i>giganteum</i> Bonap. Edge of footpath in forest	5092
<i>B. capense</i> (L.) Schlecht. Moist areas	4790, 4500
<i>B. punctulatum</i> Sw. Moist banks of river	5477, 5132
<i>B. punctulatum</i> Sw. var. <i>atherstonei</i> (Pappe & Rawson) Sim. Moist places	4929
<i>B. tabulare</i> (Thunb.) Kuhn. Edge of river	5109

GYMNOSPERMAE

PODOCARPACEAE

<i>Podocarpus falcatus</i> (Thunb.) R. Br. ex Mirb. Canopy tree in montane forest	6015, 4404
<i>P. latifolius</i> (Thunb.) R. Br. ex Mirb. Canopy tree in montane forest	5841, 4688

CUPRESSACEAE

<i>Widdringtonia cupressoides</i> (L.) Endl. Tree or large shrub on mountain	5842, 4477
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ANGIOSPERMAE

MONOCOTYLEDONEAE

TYPHACEAE

<i>Typha latifolia</i> L. ssp. <i>capensis</i> Rohrb. Swampy environment and streams	356
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GRAMINEAE

<i>Imperata cylindrica</i> (L.) Beauv. Moist areas	—
<i>Eu'alia villosa</i> (Thunb.) Nees. Eastern slopes of Magalieskop	5889, 4661
<i>Microstegium capense</i> (Hochst.) A. Camus. Forest floor	4416
<i>Ischaemum arcuatum</i> (Nees) Stapf. Blyde picnic spot	6425
<i>Urelytrum squarrosus</i> Hack. Eastern slopes	—
<i>Hemarthria altissima</i> (Poir.) Stapf & C. E. Hubb. Localized in moist places	—
<i>Rottboellia exaltata</i> L.f. Eastern slopes of mountain	6059
<i>Trachypogon spicatus</i> (L.f.) Kuntze. Mountain grassveld	6342
<i>Andropogon amplexans</i> Nees. Infrequent in grassveld	—
<i>A. distachyos</i> L. North-eastern slopes of mountain	5583
<i>A. cucumis</i> Nees. Side of road in pine plantation	4473
<i>A. lacunosus</i> J. G. Anders. Mountain grassveld	5992
<i>A. schirensis</i> Hochst. var. <i>angustifolius</i> Stapf. Tall grassveld on foothills of mountain	6151
<i>Bothriochloa insculpta</i> (Hochst.) A. Camus. Near Blyde River picnic spot	6125
<i>Schizachyrium semiberbe</i> Nees. Eastern slopes of mountain	—
<i>Cymbopogon excavatus</i> (Hochst.) Stapf. Tall grassveld on foothills of mountain	—
<i>C. plurinodis</i> Stapf ex Burt Davy. Tall grassveld on foothills of mountain	—
<i>C. validus</i> Stapf ex Burt Davy. Foothills of mountain, tall grassveld	6144, 6150
<i>Hyparrhenia dichroa</i> Stapf. Banks of Blyde River	6426
<i>H. hirta</i> (L.) Stapf. Tall grassveld on foothills of mountain	—
<i>H. tamba</i> Anders. Bedford footpath, tall grassveld, north-eastern slopes	5562
<i>Monocymbium cerasiiforme</i> (Nees) Stapf. Mountain grassveld	—
<i>Heteropogon contortus</i> (L.) Beauv. Mountain grassveld	—
<i>Hyperthelia dissoluta</i> (Nees) Clayton. Tall grassveld on foothills of mountain	—
<i>Cleistachne sorghoides</i> Benth. Lower slopes of mountain in pine plantation	4571
<i>Themeda triandra</i> Forsk. Mountain grassveld	5989, 4786
<i>Tragus berteronianus</i> Schult. Small annual. Very localized on fallows	—
<i>Perotis putens</i> Gand. Small grass, common in disturbed areas	6071
<i>Paspalum commersonii</i> Lam. Banks of Blyde River	6424, 5994
<i>P. dilatatum</i> Poir. Banks of Blyde River	6410

<i>P. urvillei</i> Steud. Locally along road on lower slopes	—
<i>Panicum deustum</i> Thunb. Blyde River picnic spot	6102, 6464
<i>P. ecklonii</i> Nees. Mountain grassveld	6498, 4830
<i>P. filiculme</i> Hack. Roadside between forest station and Klaserie Waterfall	5467
<i>P. maximum</i> Jacq. Pine plantations on lower slopes	6148, 6406
<i>P. monticolum</i> Hook.f. Klaserie Drift, in moist places	6301
<i>P. natalense</i> Hochst. Scarce in mountain grassveld	6487, 6047
<i>P. repens</i> L. Sandbanks at Blyde picnic spot	6430
<i>Alloteropsis semialata</i> (R. Br.) Hitchc. Tall grassveld on foothills of mountain	6152
<i>Brachiaria brizantha</i> (Hochst. ex A. Rich.) Stapf. Lower slopes of mountain	—
<i>B. serrata</i> (Thunb.) Stapf. Along roadside	—
<i>Digitaria eriantha</i> Steud. Mountain grassveld	—
<i>D. ternata</i> (Hochst.) Stapf. In pine plantations on lower slopes	4568
<i>D. zeyheri</i> (Nees) Henr. Lower slopes of mountain, on roadside	6062
<i>Rhynchelytrum repens</i> (Willd.) C. E. Hubb. Scattered on rocky places in mountain grassveld	6468, 4384
<i>R. rhodesianum</i> (Rendle) Stapf & C. E. Hubb. Bedford footpath on north-eastern slope of mountain	5570
<i>R. setifolium</i> (Stapf) Chiov. Mountain grassveld	6457, 5985
<i>Oplismenus hirtellus</i> (L.) Beauv. Forest floor	6153, 4325A
<i>Setaria chevalieri</i> Stapf ex Stapf & C. E. Hubb. Banks of Blyde River	6407, 5956
<i>S. flabellata</i> Stapf. In vlei near Reitz's grave	5984
<i>S. lindenbergiana</i> (Nees) Stapf. Shade of trees near Blyde picnic spot	6108
<i>S. sphacelata</i> (Schum.) Stapf & C. E. Hubb. ssp. <i>nodosa</i> de Wit. Open patch in forest	4915
<i>Pennisetum macrourum</i> Trin. Mountain grassveld	6035
<i>Prospythochloa prehensilis</i> (Nees) Schweick. Forest margin	6289, 6270A
<i>Leersia hexandra</i> Swartz. Moist habitat on lower slopes	—
<i>Ehrharta erecta</i> Lam. Small grass in shade of trees	6030
<i>Aristida congesta</i> Roem. & Schult. ssp. <i>barbicollis</i> (Trin. & Rupr.) de Wint. Rare pioneer grass of disturbed grassveld	—
<i>Pseudobromus africanus</i> (Hack.) Stapf. Fringe on high forest	4406
<i>Sporobolus africanus</i> (Poir.) Robyns & Tournay. Common in disturbed areas	—
<i>S. centrifugus</i> Nees. Mountain grassveld	5986
<i>S. eylesii</i> Stent & Rattray. Mountain grassveld	5060
<i>S. pyramidalis</i> Beauv. Blyde River Canyon	6118, 5864
<i>Agrostis barbuligera</i> Stapf var. <i>longipilosa</i> Goossens & Papendorf. Mountain grassveld	4776
<i>A. lachnantha</i> Nees. Mountain grassveld	4868, 6270
<i>Tristachya hispida</i> (L.f.) K. Schum. Foothills of mountain, tall grassveld, south-eastern slopes	5874
<i>Trichopteryx dregeana</i> Nees. Mountain grassveld near Reitz's grave	6029, 4471
<i>Loudetia flavida</i> (Stapf) C. E. Hubb. Mountain grassveld	6486
<i>L. simplex</i> (Nees) C. E. Hubb. Mountain grassveld	5981, 5062
<i>Danthonia drakensbergensis</i> Schweick. Common grass on mountain summit	5832, 4844
<i>D. macowanii</i> Stapf. Between boulders on summit of mountain	6003
<i>Pentaschistis natalensis</i> Stapf. Mountain grassveld	5077
<i>Danthoniopsis pruinosa</i> C. E. Hubb. Rock crevices near Blyde River picnic spot	6092, 6392
<i>Styppeichloa gynoglossa</i> (Goossens) de Wint. Small grass on plateau	6344
<i>Rendlia altera</i> (Rendle) Chiov. Mountain sourveld	6329
<i>Cynodon dactylon</i> (L.) Pers. Pioneer on the bare disturbed areas	—
<i>Harpechloa falx</i> (L.) Kuntze. Mountain sour grassveld	5989A, 5990
<i>Chloris virgata</i> Swartz. Disturbed areas and sandbanks of dry riverbeds	—
<i>Eustachys paspaloides</i> (Vahl) Lanza & Mattei. Locally abundant in <i>Combretum</i> veld in Lowveld	—
<i>Eleusine africana</i> Kennedy-O'Byrne. Widespread ruderal and weed of cultivation and disturbance	—
<i>Phragmites australis</i> (Cav.) Trin. ex Steud. Along Klaserie River	—
<i>Pogonarthria squarrosa</i> (Licht.) Pilg. Tufted grass on disturbed areas	—
<i>Eragrostis acraea</i> de Wint. High mountain sour grassveld	6343
<i>E. atrovirens</i> (Desf.) Trin. Blyde River canyon, small grass on riverbanks	6117
<i>E. caesia</i> Stapf. Mountain grassveld, tufted grass on mountain summit	6004
<i>E. capensis</i> (Thunb.) Trin. Short grass, mountain sour grassveld	6469
<i>E. curvula</i> (Schrud.) Nees. Variable grass, in sand in dry river bed, Blyde River Canyon	6090
<i>E. racemosa</i> (Thunb.) Steud. Short grass mountain sour grassveld	6438
<i>E. sclerantha</i> Nees. Edge of forest	4470
<i>E. superba</i> Peyr. Rare in grassveld	—

<i>Koeleria cristata</i> (L.) Pers. Small tufted grass on rocky outcrops in grassveld	6034
<i>Stiburus alopecuroides</i> (Hack.) Stapf. Mountain grassveld	5468, 5993
<i>Brachypodium flexum</i> Nees. Along forest margin	4354

CYPERACEAE

<i>Lipocarpa senegalensis</i> (Lam.) T. & H. Dur. Moist sandbanks	6435
<i>Cyperus albobstriatus</i> Schrad. Forest floor	4344, 4530
<i>C. distans</i> L.f. Lower slopes of mountain	6305
<i>C. fastigiatus</i> Rottb. Lower slopes of mountain on riverbank	6282
<i>C. longus</i> L. At roadside on mountain plateau	4857
<i>C. obtusiflorus</i> Vahl. Common in grassveld on lower eastern slopes	5861
<i>C. rupestris</i> Kunth. Grassveld on mountain plateau	6490
<i>C. textilis</i> Thunb. Riverbank at Blyde picnic spot	6409
<i>Pycurus polystachyus</i> Beauv. Riverbank at Blyde picnic spot	6427
<i>Mariscus congestus</i> C.B. Cl. Mountain grassveld, moist habitat	4772, 5079
<i>M. sp. cf. M. sieberianus</i> Nees. Summit of mountain	6011
<i>Kyllinga alba</i> Nees var. <i>alata</i> C.B. Cl. Grassveld	5912
<i>K. cylindrica</i> Nees. Mountain grassveld	5977, 6443
<i>K. sp.</i> Mountain grassveld	4946
<i>Ficinia filiformis</i> Schrad. Mountain plateau, between rocks	5607, 6002
<i>F. gracilis</i> Schrad. Moist places on mountain plateau	4842, 4892
<i>F. stolonifera</i> Boeck. Between rocks on mountain plateau	4891
<i>Fuirena chlorocarpa</i> Ridl. Riverbank at Blyde picnic spot	6408
<i>Scirpus falsus</i> C.B. Cl. Between rocks on mountain plateau	6186
<i>S. fluitans</i> L. Hydrophyte in pool in mountain sour grassveld	4774, 4353
<i>S. inclinatus</i> (Del.) Aschers. & Schweinf. Moist riverbank at Blyde picnic spot	6428
<i>S. macer</i> Boeck. Mountain grassveld	5604
<i>S. sp.</i> Shrub in running water	6310
<i>Fimbristylis hispidula</i> (Vahl) Kunth. In waterlogged vlei in mountain forest	5472
<i>Tetraria cuspidata</i> C.B. Cl. Mountain grassveld	5609
<i>Scleria natalensis</i> C.B. Cl. In vlei near picnic spot	6384
<i>Schoenoxiphium schweickerdtii</i> Merxm. Between large boulders on summit of mountains	6005
<i>S. sp.</i> On banks of Klaserie River at waterfall	5136
<i>Kobresia lancea</i> (Thunb.) Kük. Mountain sour grassveld	6240
<i>Carex spicato-paniculata</i> C.B. Cl. Herb on forest floor	4345, 4591
<i>C. sp. cf. C. zuluensis</i> C.B. Cl. Sedge common on summit of mountain	4843

PALMAE

<i>Phoenix reclinata</i> Jacq. Widely distributed on riverbanks. Blyde picnic spot	6433
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ARACEAE

<i>Zantedeschia tropicalis</i> (N.E. Br.) C. Letty. Scattered in grassveld, scrub forest and plantations	4797, 6515
<i>Stylochiton natalensis</i> Schott. Common in plantations	5857
<i>S. sp.</i> In forest, disturbed area	6540

RESTIONACEAE

<i>Restio sieberi</i> Kunth var. <i>schoenoides</i> Pillans. Grassveld on summit of mountain	5610, 5837
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XYRIDACEAE

<i>Xyris umbilicis</i> A. Nilss. Klaserie River on road to waterfall	5913
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COMMELINACEAE

<i>Commelina africana</i> L. Herb of grassveld and earlier seral and subseral stages	4356, 4909
<i>C. benghalensis</i> L. Herb of grassveld and earlier seral and subseral stages	4582, 4910
<i>C. ekloniana</i> Kunth. Mountain forest	6018
<i>Aneilema aequinoctiale</i> Kunth. Trailing to scrambling herbaceous plant of undergrowth, in plantation	4583, 6058
<i>Cyanotis lapidosus</i> Phill. Between rocks and stones on slopes	4763
<i>C. speciosa</i> (L.f.) Hank. Infrequently on undisturbed areas	6466

JUNCACEAE

<i>Juncus lomtophyllus</i> Spreng. Riverbed near Klaserie Waterfall	6266, 6306
<i>J. punctorius</i> L.f. Riverbank. Blyde picnic spot	6429
<i>J. sp.</i> In vlei on way to waterfall	5471

LILIACEAE

<i>Gloriosa superba</i> L. Widespread in well-protected areas of scrub forest	—
<i>Littonia modesta</i> Hook. Small herbaceous scrambler in scrub and scrub forest	4552
<i>Bulbine trichophylla</i> Bak. Herb with yellow flowers in mountain grassveld	5849, 6335
<i>Anthericum angulicaule</i> Bak. Herb on summit of mountain	5838
<i>A. fasciculatum</i> Bak. Between rocks on mountain slope	6334
<i>Chlorophytum bokweri</i> Bak. Scattered to locally gregarious	5920
<i>C. comosum</i> (Thunb.) Jacques. Geophytic herb on summit of mountain	4906
<i>Eriospermum cooperi</i> Bak. Widespread geophytic herb, often in disturbed areas	6493
<i>Kniphofia triangularis</i> Kunth ssp. <i>obtusiloba</i> (Diels) Codd. Summit of mountain	4518, 6524
<i>K. linearifolia</i> Bak. In pine plantation and mountain grassveld	5111, 4618
<i>Aloe affinis</i> Berger. Eastern slope of mountain between stones	5559, 6215
<i>A. arborescens</i> Mill. Widespread shrubby species on rocky areas	—
<i>A. marlothii</i> Berger. Widespread in warmer Lowveld	6261A
<i>A. nubigena</i> Groenewald. Mountain summit, common in rock crevices	4890, 4930
<i>A. sessiliflora</i> Pole Evans. Rocky hills and summit	—
<i>A. sp.</i> Disturbed area, northern slopes of mountain grassveld	6257
<i>Agapanthus inapertus</i> Beauv. Perennial herb on summit of mountain	4520
<i>Albucca fastigiata</i> (L.f.) Dryand. Rocky areas on mountain summit	4519
<i>A. melleri</i> Bak. Summit of mountain	—
<i>Drimys</i> sp. Between boulders on summit of mountain	5829
<i>Dipcadi viride</i> (L.) Moench. Open grassveld near forest station	4944
<i>Scilla cooperi</i> Hook.f. Rocky situations in open spaces in mountain forest	6363
<i>S. glaucescens</i> F. Z. v.d. Merwe. Lower western slope of mountain	3681
<i>S. natalensis</i> Planch. On cliffs on eastern highland	6172
<i>S. sp. cf. S. cooperi</i> Hook.f. Summit of mountain	6174
<i>S. sp.</i> Near mountain summit between rocks	6332
<i>Eucomis pole-evansii</i> N.E. Br. Edge of forest in shrubby grassveld on northern slopes	4689
<i>E. sp.</i> Grassveld on northern slopes of mountain	6254
<i>Ornithogalum inandense</i> Bak. Marshy grassveld	6244
<i>O. setifolium</i> Kunth. Rock crevices	6331
<i>Dracaena hookeriana</i> K. Koch. In kloof below forest station	—
<i>Sansevieria</i> sp. Locally common in Lowveld	—
<i>Asparagus asparagoides</i> (L.) Wight. Woody liane on forest margin	4784
<i>A. crispus</i> Lam. Between rocks on mountain summit	4854
<i>A. falcatus</i> L. In scrubby and gallery forest	—
<i>A. scandens</i> Thunb. In ravines	6333
<i>A. setaceus</i> (Kunth) Jessop. Undergrowth of scrubby forest	4698, 6296
<i>A. subulatus</i> Thunb. Between rocks on mountain summit	4622
<i>Behnia reticulata</i> (Thunb.) Didr. In forest, scrub forest and gallery forest	4548, 4276A
<i>Smilax kraussiana</i> Meisn. In scrub forest, gallery forest and savanna woodland	4507

AMARYLLIDACEAE

<i>Haemanthus magnificus</i> Herb. Moist shady places, widespread	6256
<i>Clivia caulescens</i> Dyer. Epiphyte or on forest floor	4862
<i>Brunsvigia</i> sp. cf. <i>B. natalensis</i> . Plateau in grassveld	6355
<i>Crinum macowanii</i> Bak. Mountain slope at forest station	5071, 5855
<i>Cyrtanthus huttonii</i> Bak. Eastern slope of mountain	4564
<i>Hypoxis angustifolia</i> Lam. Small grasslike plant, scattered through seral grassveld	4535, 6321
<i>H. argentea</i> Harv. ex Bak. Scattered in disturbed areas	4679
<i>H. membranacea</i> Bak. Moist places	4818
<i>H. rigidula</i> Bak. Herb of seral grassveld	5891, 6379
<i>H. sp.</i> Near Klaserie Waterfall on side of road	5908

VELLOZIACEAE

<i>Vellozia talbotii</i> Balf. Rocks at waterfall	4363, 4505
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DIOSCOREACEAE

<i>Dioscorea cotinifolia</i> Kunth. Forest margin on lower slopes of mountain	4748, 5932
<i>D. dregeana</i> Bak. var. <i>hutchinsonii</i> Burkill. Drier slopes of mountain and low lying areas	5942
<i>D. sylvatica</i> Eckl. Scrub forest and forest margins	4846, 6295
<i>D. retusa</i> Mast. Scrub forest and forest margins	4502, 4897

IRIDACEAE

<i>Moraea spathulata</i> (L.f.) Klatt. Grassveld on mountain slopes	4553, 6325
<i>Dietes vegeta</i> (L.) N.E. Br. Undergrowth on side of roads and forest margins	4878, 6360
<i>Aristea ecklonii</i> Bak. Moist open places, undergrowth in forest	4701, 6265
<i>A.</i> sp. cf. <i>A. ecklonii</i> Bak. Forest floor	5847, 5926
<i>A. woodii</i> N.E. Br. Mountain grassveld	4972, 5980
<i>Hesperanthera baurii</i> Bak. Moist places on mountain summit	4382
<i>Dierama robustum</i> N.E. Br. Grassveld on summit of mountain	6635A
<i>Crocsmia aurea</i> Planch. Geophytic herb of lightly shaded moist places	—
<i>C. pottsii</i> (Bak.) N.E. Br. Herb on riverbank near waterfall	5973
<i>Gladiolus papilio</i> Hook.f. Geophytic herb of marshy places	4508, 6032
<i>G. psittacinus</i> Hook., sens. lat. Infrequent to localized geophytic herb of grassveld	4945
<i>Lapeirousia grandiflora</i> Bak. Small perennial herb of grassveld and scrubby vegetation	4945
<i>L. laxa</i> (Thunb.) N.E. Br. Herb on fringe of forest	5969
<i>Watsonia densiflora</i> Bak. Grassveld, on mountain summit	4526

ZINGIBERACEAE

<i>Kaempferia aethiopica</i> (Schweinf.) Solms-Laub. Widespread in shade of large trees on lower slopes of mountains	5869
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ORCHIDACEAE

<i>Stenoglottis fimbriata</i> Lindl. On rocky outcrops on south-western slopes	5161
<i>Habenaria</i> sp. Ground orchid in sheltered areas on lower slopes	—
<i>Satyrium cristatum</i> Sond. Ground orchid between rocks	6323, 4973
<i>Disa saxicola</i> Schltr. In humic pocket on summit of mountain	4824, 6316
<i>Polystachya ottoniana</i> Reichb.f. Epiphyte on forest trees	4788, 6357
<i>P. transvaalensis</i> Schltr. Epiphyte on forest trees	6364, 6496
<i>Ansellia gigantea</i> Reichb.f. Large tufted epiphyte on Lowveld trees in Blyde Canyon	—
<i>Eulophia angolensis</i> (Reichb.f.) Summerh. Ground orchid in pine plantations in lower areas	6536
<i>E. ensata</i> Lindl. Ground orchid in grassveld on lower slopes	6497
<i>E. petersii</i> Reichb.f. In tall mountain-grassveld	4516
<i>E. speciosa</i> (R. Br. ex Lindl.) H. Bol. Ground orchid in pine plantation	5821
<i>Bulbophyllum sandersonii</i> Reichb.f. Epiphyte on forest trees	4680, 6297
<i>Angraecum conchiferum</i> Lindl. Epiphyte on forest trees	6446
<i>A. sacciferum</i> Lindl. Epiphyte in indigenous forest	4685
<i>Tridactyle tricuspis</i> (H. Bol.) Schltr. Epiphyte on large trees	4386
<i>Cyrtorchis praetermissa</i> Summerh. Epiphyte in forest trees	6539
<i>Mystacidium capense</i> (L.f.) Schltr. Epiphyte on stems of trees	4387, 5170

DICOTYLEDONEAE

PIPERACEAE

<i>Piper capense</i> L.f. Soft shrub of moist shady kloofs in high forest	4729
<i>Peperomia arabica</i> Decne. In shade of large trees on mountain slopes	5483, 6085
<i>P. retusa</i> (L.f.) A. Dietr. Herb on forest floor	4993

SALICACEAE

<i>Salix woodii</i> Seemen. Small tree in streams on lower mountain slopes	4750
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MYRICACEAE

<i>Myrica pilulifera</i> Rendle. Small tree on forest margin in open areas	5566, 6169
<i>M. serrata</i> Lam. Small tree on riverbank in Blyde River Canyon	6432

ULMACEAE

<i>Celtis africana</i> Burm.f. Tall tree, infrequently scattered in scrub forest, high forest and forest margins	4738
<i>Trema orientalis</i> (L.) Blume. Small to medium-sized tree in gallery forest on lower slopes	4539, 4734

MORACEAE

<i>Ficus capensis</i> Thunb. Gallery forest in Lowveld	5054
<i>F. craterostoma</i> Warb. ex Mildbr. & Burret. Strangler in high forest	6133, 6214
<i>F. ingens</i> (Miq.) Miq. Small to fair-sized tree on rocky outcrops, on lower slopes	—
<i>F. petersii</i> Warb. Strangler, fairly common	4549, 4715
<i>F. sonderi</i> Miq. Tree, common on hills	—
<i>F. sycomorus</i> L. Gallery forest, Lowveld	—
<i>Cannabis sativa</i> L. At Klaserie Waterfall	6365

URTICACEAE

<i>Urera tenax</i> N.E. Br.	Rocky places on north-eastern slopes	4985
<i>Laportea alatipes</i> Hook.f.	Common in open areas on forest floor	5091
<i>L. peduncularis</i> (Wedd.) Chew.	Rocky areas in kloofs on lower slopes	6134, 4531
<i>Pouzolzia hypoleuca</i> Wedd.	Common on rocky places on lower slopes	6100

PROTEACEAE

<i>Faurea galpinii</i> Phill.	On Bedford footpath on northern slopes of mountain	6248, 4988
<i>F. macnaughtonii</i> Phill.	Large tree in rain forest near waterfall	4350
<i>F. saligna</i> Harv.	Small to medium sized tree. In scrub and climax savanna woodland	4795, 6080
<i>F. speciosa</i> Welw.	Small tree on edge of forest	4984, 6447
<i>Protea gagedi</i> J. F. Gmel.	Small tree in grass patches on mountain	4998, 6483
<i>P. parvula</i> Beard.	Mountain grassveld, near waterfall	6311
<i>P. rhodantha</i> Hook.f. var. <i>falcata</i> Beard.	Small tree in mountain grassveld near water	5924
<i>P. rhodantha</i> Hook.f. var. <i>rhodantha</i> .	Small tree, in mountain grassveld	4534, 6484
<i>P. roupelliae</i> Meisn.	Tree on mountain cliff	4533, 6482

LORANTHACEAE

<i>Loranthus dregei</i> Eckl. & Zeyh.	In Blyde River Lowveld	5144
<i>L. minor</i> (Harv.) Sprague.	Parasite on bushveld trees	5941, 6076
<i>L. zeyheri</i> Harv.	Parasite on western slopes of mountain	5943
<i>Viscum nervosum</i> Hochst. ex A. Rich.	Parasite on trees on fringe of forest	4760, 6251
<i>V. obscurum</i> Thunb.	Parasite on forest trees	4643, 5143

OLACACEAE

<i>Ximenia caffra</i> Sond. var. <i>natalensis</i> Sond.	Shrub in pine plantation	6505
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POLYGONACEAE

<i>Rumex crispus</i> L.	Near nursery on road to picnic spot	6140
<i>R. sagittatus</i> Thunb.	On side of road to Blyde picnic spot	4607
<i>Polygonum pulchrum</i> Blume.	Water-logged area on road to Blyde picnic spot	6383
<i>P. sulcifolium</i> Brouss.	Near Klaserie Waterfall in marsh	4459, 5020

AMARANTHACEAE

<i>Cyathula cylindrica</i> Moq.	Herb in grassveld on western slopes	4596, 5155
<i>Pupalia lappacea</i> (L.) Juss.	In shade of scrub on western slopes	5521
<i>Achyranthes sicula</i> (L.) All.	On Blyde River bank in scrub	5510

NYCTAGINACEAE

<i>Commicarpus pentandrus</i> (Burch.) Heim.	Herb on banks of Blyde River	5522, 5951
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PHYTOLACCACEAE

<i>Psammotropha myriantha</i> Sond.	In grassveld on summit of mountain	5619, 5839
<i>Phytolacca octandra</i> L.	Exotic small shrub in disturbed areas on lower slopes	4346

CARYOPHYLLACEAE

<i>Polycarpon tetraphyllum</i> L.f.	Weed in vicinity of forest station	4791
<i>Silene burchellii</i> Ott.	On side of road on summit of mountain	4832, 5084

RANUNCULACEAE

<i>Knowltonia</i> sp.	In grassveld	—
<i>Clematis brachiata</i> Thunb.	Widespread liane in seral and climax communities	4586, 5168
<i>Thalictrum rhynchocarpum</i> Dill. & Rich.	Wet shady cool sites in high forest	4702

MENISPERMACEAE

<i>Cocculus hirsutus</i> (L.) Diels.	Kloofs in high forest	—
<i>Stephania abyssinica</i> (Dill & Rich.) Walp. var. <i>tomentella</i> (Oliv.) Diels. Early scrubby seral stages and high forest margins		4671, 4635
<i>Cissampelos torulosa</i> E. Mey. ex Harv.	Twiner on forest margins	4672

ANNONACEAE

<i>Annona senegalensis</i> Pers.	Small tree in scrub and young pine plantations	6261, 6401
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MONIMIACEAE

<i>Xymalos monospora</i> (Harv.) Baill.	Tall tree in mountain forest	4497, 4631
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LAURACEAE

<i>Ocotea viridis</i> Kosterm. Very scarce in high forest	—
<i>Cryptocarya liebertiana</i> Engl. High forest tree of canopy and margin	6107A
<i>C. woodii</i> Engl. Tall tree in forest	6107
<i>Cassytha filiformis</i> L. Parasite on shrubs in riverbeds	5113

CRUCIFERAE

<i>Heliophila rigidiuscula</i> Sond. Herb between grass	6465
<i>Cardamine africana</i> L. Herb on bare patches and rocky areas on forest floor	6267, 4716

CAPPARIDACEAE

<i>Capparis tomentosa</i> Lam. Shrub, common on western lower slopes	4744
<i>Maerua caffra</i> (DC.) Pax. Pine plantations on lower slopes	5871
<i>M. rosmarinoides</i> (Sond.) Gilg & Ben. Blyde River picnic spot	6099, 6259

DROSERACEAE

<i>Drosera dielsiana</i> Exell & Laundon. Wet areas in grassveld	4544
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CRASSULACEAE

<i>Kalanchoë rotundifolia</i> Haw. Widespread succulent herb, in scrub and on banks of dongas	5154
<i>Crassula browniana</i> Burt Davy. Between rocks on summit of mountain	6500, 4393
<i>C. filamentosa</i> Schönl. Small pulpy herb on summit of mountain	6458
<i>C. lineolata</i> Dryand. Prostrate herb on Blyde footpath	5526
<i>C. parvisepala</i> Schönl. Succulent shrub on summit of mountain	5085, 5072
<i>C. rubicunda</i> E. Mey. ex Harv. Moist areas in rocky situations	4371, 4847
<i>C. setulosa</i> Harv. Herb in small annual pools on summit	4625
<i>C. thorncroftii</i> Burt Davy. Herb on forest floor	4995

SAXIFRAGACEAE

<i>Choristylis rhamnoides</i> Harv. Shrub on northern slopes of mountain	4999, 5571
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PITTIOSPORACEAE

<i>Pittosporum viridiflorum</i> Sims. Rocky outcrops and forest margins	4690, 5974
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HAMAMELIDACEAE

<i>Trichocladus grandiflorus</i> Oliv. Large forest tree	4398, 4918
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ROSACEAE

<i>Rubus pinnatus</i> Willd. Widespread scrambler on edge of forest	5014
<i>R. rigidus</i> Sm. Fringe of forest	4562, 6249
<i>Alchemilla cryptantha</i> Steud. Herb on side of road	4694
<i>A. rehmannii</i> Engl. Herb on forest floor	4992, 6442
<i>Agrimonia odorata</i> Mill. Small shrub in scrub on forest margin	4605, 6369
<i>Cliffortia linearifolia</i> Eckl. & Zeyh. Shrub on open area in indigenous forest	4781, 5090
<i>C. nitidula</i> (Engl.) R.E. Fr. & T. C. E. Fr. ssp. <i>pilosa</i> H. Weim. Widespread shrub along streams and on mountain summit	6198, 5588
<i>C. repens</i> Schltr. Small shrub on mountain summit and slopes	4475
<i>C. serpyllifolia</i> Cham. & Schlechtd. Small shrub common between rocks on mountain	4828
<i>C. strobilifera</i> Murr. On mountain slopes	6132B
<i>Prunus africana</i> (Hook.f.) Kalkm. Tall tree scattered in high forest	4978, 5146
<i>Parinari curatellifolia</i> Planch. ex Benth. ssp. <i>mobola</i> (Oliv.) R. Grah. Evergreen tree, tall grassveld, on lower slopes of mountain	—

CONNARACEAE

<i>Cnestis natalensis</i> (Hochst.) Planch. & Sond. Liane in mountain forest	4733, 5058
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LEGUMINOSAE

Mimosoideae

<i>Albizia versicolor</i> Welw. ex Oliv. Small to medium-sized tree in Lowveld	—
<i>Acacia ataxacantha</i> DC. In scrub and scrub forests in kloofs and lower areas	4556, 5005
<i>A. caffra</i> (Thunb.) Willd. Small trees, in lower areas	—
<i>A. davyi</i> N.E. Br. In Blyde River poort	5016, 6068
<i>A. gerrardii</i> Benth. Lowveld tree	—
<i>A. karroo</i> Hayne. Small to medium-sized tree. Abundant in seral scrub and savanna of lower foothills	—

<i>A. robusta</i> Burch. Common tree on banks of Blyde River	—
<i>A. schweinfurthii</i> Brenan & Exell var. <i>schweinfurthii</i> . Untidy woody scrambler. common in thick bush of lower foothills	—
<i>A. sieberana</i> DC. var. <i>woodii</i> (Burr Davy) Keay & Brenan. Medium-sized tree on foothills of mountain	—
<i>Dichrostachys cinerea</i> (L.) Wight & Arn. ssp. <i>nyassana</i> (Taub.) Brenan. Infrequent in seral grassveld and scrub on lower slopes	5041
<i>Entada spicata</i> (E. Mey.) Druce. Robust liane of scrub forest and high forest	4732, 6073

Caesalpinioideae

<i>Schotia brachypetala</i> Sond. Gallery forest	—
<i>Bauhinia galpinii</i> N.E. Br. In scrub forest of Lowveld	—
<i>Piliostigma thonningii</i> (Schum.) Milne-Redhead. Shrub or small tree, locally on foothills	—
<i>Cassia laevigata</i> Willd. Banks of Blyde River	4601, 5523
<i>C. mimosoides</i> L. Along footpath on western mountain slopes	4542
<i>C. occidentalis</i> L. Small shrub in plantation and disturbed areas	5856, 6368
<i>C. petersiana</i> Bolle. Small shrub in tall grassveld of lower foothills	—
<i>Pterolobium exosum</i> (Gmel.) Bak.f. Robust, thorny scrambler in foothills scrub	4614
<i>Caesalpinia decapetala</i> (Roth.) Alston. Aggressive spiny exotic scrambler in foothill scrub	—
<i>Peltophorum africanum</i> Sond. Tree on foothills	6064

Papilionatae

<i>Calpurnia aurea</i> (Ait.) Benth. Small tree, fairly widespread in high forest	4886
<i>C. sp.</i> Small tree in mountain forest	4669
<i>Pleiospora cajanifolia</i> Harv. Small shrub with yellow flowers	4341
<i>Crotalaria capensis</i> Jacq. Small shrub in pine plantation and forest margin	4555, 5896
<i>C. doidgeae</i> Verdoorn. Small shrub on lower slopes	5473, 6394
<i>C. recta</i> Steud. Small shrub on forest margin	4598
<i>Argyrolobium collinum</i> Eckl. & Zeyh. Small herb on summit of mountain	4820
<i>A. tomentosum</i> (Andr.) Druce. Summit of mountain	4476, 5078
<i>Indigofera garckeana</i> Vatke. Forest margins	6017
<i>I. hedyantha</i> Eckl. & Zeyh. Herb on mountain summit	6319, 6006
<i>I. swaziensis</i> Bol. North-eastern slopes, small shrub, with red flowers	5015
<i>I. tristoides</i> N.E. Br. Small shrub, on north-eastern slopes in grassveld	5007
<i>I. sp. cf. I. malacostachys</i> Benth. Open space in forest	6050
<i>Psoralea pinnata</i> L. Shrub with mauve flowers on moist areas, on summit of mountain	4379, 4482
<i>Mundulea sericea</i> (Willd.) A. Chev. Common in tall grassveld of foothills and Blyde Canyon	—
<i>Sesbania cinerascens</i> Welw. ex Bak. Small shrub on slopes of mountain	4604
<i>Oryzocarpum trichocarpum</i> (Taub.) Harms ex Burr Davy. Small shrub on waterlogged areas on slopes of mountain	—
<i>Smithia erubescens</i> (E. Mey.) Bak.f. Small shrub in grassy patches	6243, 6284
<i>S. thymodora</i> Bak.f. Small shrub in mountain grassveld	4547, 4655
<i>Zornia capensis</i> Pers. Small herb in mountain grassveld	6441
<i>Desmodium hirtum</i> Guill. & Perr. Herb in mountain grassveld	6437, 5976
<i>D. repandum</i> (Vahl) DC. In scrub and grassveld of forest margins	4941, 4332
<i>Pseudarthria hookeri</i> Wight & Arn. Shrubby forb in plantations	4577
<i>Dalbergia armata</i> E. Mey. Robust liane of gallery and riverine scrub, scrub forest and forest	4794, 6247
<i>Pterocarpus angolensis</i> DC. Tall tree on foothills of Drakensberg	5056
<i>P. rotundifolius</i> (Sond.) Druce. Blyde River Canyon	—
<i>Lonchocarpus capassa</i> Rolfe. Stunted tree in Blyde River Canyon	6399
<i>Abrus fruticosus</i> Wall. ex Wight & Arn. Slender subwoody twiner. Widespread in scrub, savanna and woodland	—
<i>A. precatorius</i> L. Small twiner in Lowveld scrub	—
<i>Erythrina lysistemon</i> Hutch. Tree in scrub and gallery forest of Lowveld	—
<i>Mucuna coriacea</i> Baker. Robust soft perennial twiner in pine plantations	4566
<i>Canavalia virosa</i> (Roxb.) Wight & Arn. Herbaceous twiner near streams, low country	—
<i>Rhynchosia caribaea</i> DC. Forest margins	4592, 5080
<i>R. clivorum</i> S. Moore. Small shrub with yellow flowers in pine plantations	4469
<i>R. hirsuta</i> Eckl. & Zeyh. Blyde picnic spot	6391
<i>R. sordida</i> (E. Mey.) Schinz. Slender fruticose forb	5886
<i>Flemingia grahamiana</i> Wight & Arn. In grassveld on mountain summit	5537
<i>Vigna vexillata</i> (L.) Benth. Small soft twiner. Widespread, but restricted to grassveld and early scrub stages	5915

<i>V. sp.</i> Herb in grassveld	5516
<i>Lablab niger</i> Medik. Herb on forest margin	4595
<i>Dolichos taubertii</i> Bak.f. Occurs frequently in grassveld	—

OXALIDACEAE

<i>Oxalis corniculata</i> L. On side of road to Blyde picnic spot	6378
<i>O. obliquifolia</i> Steud. ex Rich. In grassveld on NW mountain slopes	5003
<i>O. smithiana</i> Eckl. & Zeyh. Small herb, common in grassveld	—
<i>O. sp. cf. O. semiloba</i> Sond. Small herb in grassveld	5004, 6494

LINACEAE

<i>Linum thunbergii</i> Eckl. & Zeyh. NE slopes of mountain, open bushveld	5000
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RUTACEAE

<i>Fagara capensis</i> Thunb. Small tree in scrub forest	4746, 6396
<i>F. davyi</i> Verdoorn. Common tree of high forest and forest margin	4632, 4674
<i>Calodendrum capense</i> (L.f.) Thunb. Fair-sized tree of high forest and forest margin	5928
<i>Vepris reflexa</i> Verdoorn. Banks of Blyde River	6105
<i>V. undulata</i> (Thunb.) Verdoorn. Small tree or shrub on fringe of mountain forest	5850
<i>Teclea natalensis</i> Engl. Small understory tree on banks of Blyde River	5495
<i>Clausena anisata</i> (Willd.) Hook.f. ex Benth. Shrub in Blyde Canyon	4749, 4792A

SIMARUBACEAE

<i>Kirkia wilmsii</i> Engl. Tree near Blyde picnic spot	6103, 6260
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BURSERACEAE

<i>Commiphora mollis</i> (Oliv.) Engl. Small tree in scrub of donga	—
<i>C. harveyi</i> Engl. Small tree on banks of Blyde River	6095

MELIACEAE

<i>Ptaeroxylon obliquum</i> (Thunb.) Radlk. Shrub in vicinity of Blyde picnic spot	6098
<i>Ekebergia capensis</i> Sparrm. Tree in forest	4650, 4714
<i>E. pterophylla</i> (C. DC.) Hofmeyr. Shrub on fringe of forest	4364, 4396
<i>Trichilia emetica</i> Vahl. Tall tree in gallery forest on foothills of mountain	5858

MALPIGHIACEAE

<i>Sphedamnocarpus galphimifolius</i> (Juss.) Szyszyl. Perennial slender subwoody liane of forest margins	4509, 4969
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POLYGALACEAE

<i>Polygala sphenoptera</i> Fresen. On sandbank at Blyde River picnic spot	6431
<i>P. rehmanni</i> Chod. Small shrub in grassveld on mountain summit	6454
<i>P. virgata</i> Thunb. Small shrub on forest margin	4656
<i>Muraltia flanaganii</i> H. Bol. Small shrub on summit of mountain	6187, 4408

EUPHORBIACEAE

<i>Securinea virosa</i> (Roxb. ex Willd.) Pax & Hoffm. On road to Blyde picnic spot, shrub in dry kloof	6129, 6474
<i>Phyllanthus reticulatus</i> Poir. Untidy shrub or woody twiner common in thick bush of lower areas	—
<i>Antidesma venosum</i> E. Mey. ex Tul. Low spreading tree on foothills of mountain favouring moist situations	5051
<i>Bridelia micrantha</i> (Hochst.) Baill. Fair-sized tree on lower banks of Klaserie River	4799, 6419
<i>B. mollis</i> Hutch. Common in rocky areas in Lowveld	6389
<i>Croton sylvaticus</i> Hochst. Fair-sized tree, in high forest and forest margins	4662, 4609
<i>Alchornea hirtella</i> Benth. var. <i>glabrata</i> (Prain) Pax & Hoffm. Small tree on fringe of forest	6156
<i>Acalypha punctata</i> Meisn. Subwoody forb in grassveld and forest margins on western slopes	6380
<i>Tragia okanyua</i> Pax. Slender twiner in underscrub of the Lowveld areas	6114
<i>Ricinus communis</i> L. Weed on Blyde River bank	—
<i>Jatropha hirsuta</i> Hochst. Eastern foothills of mountain	5882
<i>Clutia affinis</i> Sond. Near Klaserie Waterfall	4352
<i>C. monticola</i> S. Moore. Western slopes of mountain	5565
<i>C. natalensis</i> Bernh. In water-logged area near Klaserie Waterfall	5021

<i>Spirostachys africana</i> Sond. Common tree in Lowveld areas	—
<i>Euphorbia cooperi</i> N.E. Br. ex Berg. Blyde River Lowveld	—
<i>E. ingens</i> E. Mey. ex Boiss. Blyde River Lowveld	—
<i>E. lydenburgensis</i> Schweick & Letty. Blyde River Lowveld	5644
<i>E. kraussiana</i> Bernh. Small shrub in forest margin	5967
<i>E. tirucalli</i> L. In Blyde River Bushveld	—

ANACARDIACEAE

<i>Sclerocarya caffra</i> Sond. Tall deciduous tree in Lowveld near Klaserie River	6280
<i>Lannea discolor</i> (Sond.) Engl. Small tree in rocky places in Lowveld	—
<i>L. edulis</i> (Sond.) Engl. Herb in mountain grassveld, between forest station and waterfall	5854
<i>Protorhus longifolia</i> (Bernh.) Engl. Large forest tree	4559, 6166
<i>Ozoroa reticulata</i> (Bak.f.) R. & A. Fernandes. Small tree on foothills of Drakensberg	—
<i>Rhus chirindensis</i> Bak.f. forma <i>legatii</i> (Schonl.) R. & A. Fernandes. Small tree on forest margin	6167, 5001
<i>R. dura</i> Schonl. Small tree or shrub on summit of mountain	4893, 4709
<i>R. ernesti</i> Schonl. Small tree among boulders on summit of mountain	6503
<i>R. gueinzii</i> Sond. Small shrub in Blyde River scrub	6109
<i>R. intermedia</i> Schonl. Small shrub in pine plantation	4573
<i>R. lucida</i> L. In forest undergrowth	4913, 6213
<i>R. pentheri</i> Zahlbr. Small shrub in Blyde River Poort	5513, 6074
<i>R. pyroides</i> Burch. Small tree on banks of Blyde River	6111, 6402
<i>R. rehmanniana</i> Engl. Small tree on lower western slopes of mountain	6131
<i>R. transvaalensis</i> Engl. Small tree in Blyde River scrub	6124, 5043
<i>R. sp.</i> Small shrub in undergrowth and fringe of forest	5171, 6222

AQUIFOLIACEAE

<i>Ilex mitis</i> (L.) Radlk. Widespread waterside tree	4558, 4653
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CELASTRACEAE

<i>Maytenus oocuinata</i> (L.f.) Loes. Tree on frange of mountain forest	6014
<i>M. heterophylla</i> (Eckl. & Zeyh.) N. Robson. Variable small tree. In scrubby vegetation	—
<i>M. mossambicensis</i> (Klotzsch) Blakelock var. <i>rubra</i> (Harv.) Blakelock. Small tree at altitudes upwards of about 1,300 m.	5657, 6086
<i>M. peduncularis</i> (Sond.) Loes. Small to fair-sized tree of undergrowth and margin forest	5948, 5655
<i>M. undata</i> (Thunb.) Blakelock. Small tree of margin and undergrowth	6300
<i>Catha edulis</i> (Vahl) Forsk. ex Endl. Widespread small tree in Lowveld regions	5652
<i>Pterocelastrus echinatus</i> N.E. Br. Large tree common in forest	4640A, 4691
<i>P. galpinii</i> Loes. Large tree in indigenous forest	4761A, 5997
<i>P. sp. nov.</i> Large tree in indigenous forest	5117
<i>Cassine eucleaeiformis</i> (Eckl. & Zeyh.) Kuntze. Small tree of rain forest	6223, 6192

ICACINACEAE

<i>Apodytes dimidiata</i> E. Mey. ex Arn. Small to medium-sized tree of forest and scrub forest	6221, 6285
<i>Pyrenacantha grandiflora</i> Baill. Scrambling shrub in forest	5936

SAPINDACEAE

<i>Allophylus melanocarpus</i> (Sond.) Radlk. Tree on mountain forest margin	4986
<i>A. transvaalensis</i> Burt. Davy. Small tree on forest margin	5940, 6051
<i>Pappea capensis</i> Eckl. & Zeyh. Small tree or shrub in forest margin	4757
<i>Hippobromus pauciflorus</i> (L.f.) Radlk. Common in scrub forest and forest margin	—

MELIANTHACEAE

<i>Bersama transvaalensis</i> Turrill. Fair-sized tree of forest and forest margin	5579, 6143
<i>B. tysoniana</i> Oliv. Large tree in indigenous forest	4780, 5038
<i>B. sp.</i> Tree in mountain forest	6219, 6235
<i>Greyia radlkoferi</i> Szyszyl. Large shrub or small tree on NE foothills	4967
<i>G. sutherlandii</i> Hook. & Harv. Shrub on NE foothills	5553, 6461

BALSAMINACEAE

<i>Impatiens duthieae</i> L. Bol. Soft herb near water	4502A, 4725
<i>I. sylvicola</i> Burt. Davy & Greenway. Soft herb, near water on forest floor	4349, 4412

RHAMNACEAE

<i>Ziziphus mucronata</i> Willd. Small tree, in scrubby vegetation	4652, 6070
<i>Phyllogeiton zeyheri</i> (Sond.) Suesseng. Small tree or shrub, widespread	6115
<i>Scutia myrtina</i> (Burm.f.) Kurz. Robust woody scrambler or liane	5019, 5035
<i>Rhamnus prinoides</i> L'Herit. Widespread shrub of scrub and scrub forest	4964, 6234
<i>Phyllica paniculata</i> Willd. Small shrub on summit of mountain	4481, 6463
<i>Helinus integrifolius</i> (Lam.) Kuntze. Small woody liane or scrambler. Scrubby vegetation	4608, 4743

HETEROPYXIDACEAE

<i>Heteropyxis natalensis</i> Harv. Small tree in seral scrub or savanna	4541
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VITACEAE

<i>Rhoicissus revoillii</i> Planch. Robust woody liane of high and scrub forest	4979, 5122
<i>R. rhomboidea</i> (E. Mey. ex Harv.) Planch. Robust woody liane of high and gallery forest	4561, 5910
<i>R. tomentosa</i> (Lam.) Wild & Drummond. Very robust woody liane of high and gallery forest	4615, 4713
<i>R. tridentata</i> (L.f.) Wild & Drummond. Shrubby plant, on disturbed retarded grassveld	—
<i>Cissus</i> sp. Liane near river	4739
<i>Cyphostemma anatomicum</i> (C. A. Sm.) Wild & Drummond. Common liane of high forest and kloof	—
<i>C.</i> sp. Shrub on side of road	6370

TILIACEAE

<i>Grewia flavescens</i> Juss. Untidy climbing shrub with square stems, widespread	—
<i>G. monticola</i> Sond. Shrub common on rocky hills and sandy soil	6097
<i>G. occidentalis</i> L. Widespread straggly shrub or small tree in scrub forest	4745, 4796
<i>Triumfetta annua</i> L. Weed on forest margin	4594
<i>T. pilosa</i> Roth. var. <i>tomentosa</i> Szyszyl. ex Sprague & Hutch. Small to large annual	5480, 5517

MALVACEAE

<i>Abutilon angulatum</i> (Guill. & Perr.) Mast. Small shrub on riverbank thickets	5497
<i>A. fruticosum</i> Guill. & Perr. Shrub in grassveld	5515
<i>Pavonia columella</i> Cav. Small shrub on riverbank	4355, 4871
<i>Hibiscus cannabinus</i> L. Herb in pine plantations	4585
<i>H. meeusei</i> Exell. Small herb in pine plantations	4567
<i>H. pedunculatus</i> L.f. Small shrub on riverbank	6055, 6137
<i>H. praeteritus</i> R. A. Dyer. Small shrub with red flowers in Blyde River Poort	5931

BOMBACACEAE

<i>Adansonia digitata</i> L. Large tree with thick stem in Blyde River Lowveld	5929
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STERCULIACEAE

<i>Melhania prostrata</i> DC. Herb with yellow flowers in fallows at Blyde River Poort	5954, 6101
<i>Dombeya burgessiae</i> Gerr. ex Harv. Robust shrub in scrub on mountain summit	4952
<i>D. cymosa</i> Harv. Robust shrub on banks of Blyde River	5502
<i>D. rotundifolia</i> (Hochst.) Planch. Small Lowveld tree	—
<i>D. pulchra</i> N.E. Br. Robust shrub in pine plantations	4581, 6371
<i>Sterculia murex</i> Hemsl. Tree in kloof and on rocky outcrops of foothills of "The Berg"	—

OCHNACEAE

<i>Ochna holstii</i> Engl. In scrub on banks of Blyde River	5654, 5918
<i>O. natalitia</i> (Meisn.) Walp. Small shrub in scrub forest	6237, 6418
<i>O. oconnorii</i> Phillips. Fair-sized understory and canopy tree in high forest	4713, 4754

GUTTIFERAE

<i>Hypericum lalandii</i> Choisy. Widespread pioneer of forest margins and moist areas	6021, 5867
<i>H. revolutum</i> Vahl. Spreading shrub along forest margin	4367, 4450
<i>H. roeperianum</i> Schimper. Shrub with yellow flowers on side of road	4975, 5529

CANELLACEAE

<i>Warburgia ugandensis</i> Sprague. Tree in Lowveld kloofs	5503, 5950
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FLACOURTIACEAE

<i>Rawsonia lucida</i> Harv. & Sond. Understory tree of high forest	4528, 5851
<i>Kiggelaria africana</i> L. Variable tree in upper montane forest	4667, 4646
<i>Gerrardina foliosa</i> Oliv. Shrub between boulders on summit of mountain	5848
<i>Homalium dentatum</i> (Harv.) Warb. Infrequent in riparian forest	6082, 2507
<i>Trimeria rotundifolia</i> (Hochst.) Gilg. Lower parts in bush	6065, 4647
<i>Aphloia theiformis</i> (Vahl) Benn. Shrub near Klaserie picnic spot	4911, 5133
<i>Dovyalis caffra</i> (Hook.f. & Harv.) Warb. Spiny shrub in thick bush	—
<i>D. rhamnoides</i> (Burch.) Harv. Shrub with spines in wooded kloof	6147

PASSIFLORACEAE

<i>Adenia digitata</i> (Harv.) Engl. Widespread herbaceous scrambler with large woody root-stock	4740, 6375
<i>A. gummifera</i> (Harv.) Harms. Widespread liane on forest margins	4736, 5957

BEGONIACEAE

<i>Begonia caffra</i> Meisn. Against moist cliffs in indigenous forest	4529
<i>B. sp.</i> Shrub with orange flowers, against moist rocks in indigenous forest	4365, 4527

THYMELAEACEAE

<i>Peddiea africana</i> Harv. Shrub or small tree of high forest	5147A, 6232
<i>Lasiosiphon polyanthus</i> Gilg. Small shrub with yellow flowers in forest margin	6481, 4445
<i>L. splendens</i> Endl. Mountain grassveld shrub with yellow flowers	5125
<i>Passerina montana</i> Thod. Ericoid shrub on mountain summit between rocks	4478, 4836
<i>Dais cotinifolia</i> L. Small tree on lower slopes of mountain	4793

RHIZOPHORACEAE

<i>Cassipourea gerrardii</i> (Schinz) Alston. Understory or canopy tree of high forest	4707, 4877
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COMBRETACEAE

<i>Combretum apiculatum</i> Sond. In Lowveld	—
<i>C. collinum</i> Fresen. Small tree in Lowveld	—
<i>C. erythrophyllum</i> (Burch.) Sond. Large tree on lower slopes of mountain	6281
<i>C. imberbe</i> Wawra. Large tree in Blyde River Lowveld	—
<i>C. kraussii</i> Hochst. Tree in forest	4676, 4761
<i>C. zeyheri</i> Sond. Small tree in Lowveld	6110
<i>C. sp.</i> Small tree on Blyde River bank	6094
<i>Quisqualis parviflora</i> Gerr. Robust woody liane in forest	5585, 6043
<i>Terminalia phanerophlebia</i> Engl. & Diels. Small tree in thick bush on lower slopes of mountain	6388

MYRTACEAE

<i>Eugenia natalitia</i> Sond. Small tree in mountain forest	4630, 5157
<i>E. paniculata</i> Banks. ex Gaertn. var. <i>australis</i> Baill. Exotic shrub in disturbed areas	4730
<i>E. sp. nov.</i> (Renny 266 + 181). Small shrub on banks of Blyde River	—
<i>Syzygium cordatum</i> Hochst. ex Harv. & Sond. Lowveld riparian tree	4496, 4800
<i>S. gerrardii</i> (Harv. ex Hook.f.) Burt Davy. Large tree on mountain forest	4636, 4557
<i>S. guineense</i> (Willd.) DC. Lowveld riparian tree	4801, 5542

MELASTOMATACEAE

<i>Antherotoma naudinii</i> Hook.f. Small herb in disturbed areas	4374
<i>Dissotis canescens</i> (E. Mey. ex Grah.) Hook.f. Suffrutex of earlier stages of hydro-sere	4368, 4506

HALORRHAGIDACEAE

<i>Gunnera perpensa</i> L. Perennial rhizomatous herb in water-logged areas	5065, 6516
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ARALIACEAE

<i>Cussonia natalensis</i> Sond. Fairly large tree, scattered on rocky outcrops between patches in forest	5158
<i>C. spicata</i> Thunb. Tree of mountain forest	6283
<i>C. umbellifera</i> Sond. Large tree of mountain forest	4399, 4920
<i>Seemannaralia gerrardii</i> (Seeman) Vig. Small tree in scrub forest of western slopes	5949

UMBELLIFERAE

<i>Sanicula elata</i> Ham. ex D. Don. Low herb on forest floor	4501, 5032
<i>Alepidea amatymbica</i> Eckl. & Zeyh. Herb in mountain grassveld	5097
<i>Heteromorpha pubescens</i> Burtt Davy. Shrub on riverbank and forest margin	5501, 6126
<i>H. trifoliata</i> (Wendl.) Eckl. & Zeyh. Small tree on forest margin	4617, 4965
<i>Steganotaenia araliacea</i> Hochst. Tree on rocky outcrops on banks of Blyde River	5500

CORNACEAE

<i>Curtisia dentata</i> (Burm.f.) C. A. Sm. Fair-sized tree of high forest and forest margin	4642, 4675
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ERICACEAE

<i>Vaccinium exul</i> H. Bol. Small shrub in mountain grassveld	4712, 5036
<i>Erica caffrorum</i> H. Bol. Scrub on summit of mountain	5843, 6351
<i>E. drakensbergensis</i> Guth. & H. Bol. Small shrub on side of mountain road	4474
<i>E. leucopelta</i> Tausch var. <i>ephebioides</i> H. Bol. Small shrub on summit of mountain	4395, 4837

MYRSINACEAE

<i>Maesa lanceolata</i> Forsk. Widespread small tree in forest margin and mountain grassveld	4551, 4627
<i>Myrsine africana</i> L. Small shrub on forest margin	5115, 6190
<i>Rapanea melanophloeos</i> (L.) Mez. Medium-sized tree of subclimax forest	4454, 4644

PLUMBAGINACEAE

<i>Plumbago auriculata</i> Lam. Shrub on rocky outcrop	6104
<i>P. zeylanica</i> L. Shrub in scrub forest and common grassveld	—

SAPOTACEAE

<i>Bequaertiodendron magalismontanum</i> (Sond.) Heine & J. H. Hemsley. Shrub or small tree on lower foothills	4886, 5150
<i>B. natalense</i> (Sond.) Heine & J. H. Hemsley. Small tree in shrub forest	5017
<i>Mimusops zeyheri</i> Sond. Fair-sized to large tree in foothill kloofs	5935, 6079
<i>M. obovata</i> Sond. Small tree on fringe of mountain forest	5925

EBENACEAE

<i>Euclea crispa</i> (Thunb.) Guerke. Large tree of mountain forest	4959, 6475
<i>E. divinorum</i> Hiern. Small tree or shrub on mountain slope	5012, 5042
<i>Diospyros lycioides</i> Desf. subsp. <i>sericea</i> (Bernh.) De Wint. Low shrub, widespread in earlier stages of succession	5055, 5939
<i>D. mespiliformis</i> Hochst. ex A. DC. Tree on riverbanks, outcrops and hills	5934
<i>D. whyteana</i> (Hiern) F. White. Understory tree of high forest	4686, 4634

OLEACEAE

<i>Schrebera alata</i> (Hochst.) Welw. Large tree common in rain forest	4378, 4391
<i>S. argyrotricha</i> Gilg. Shrub, common in scrub forest of Blyde River Poort	6075
<i>Linociera foveolata</i> (E. Mey.) Knobl. Large tree in mountain forest	4873
<i>L. foveolata</i> (E. Mey.) Knobl. ssp. <i>major</i> Verdoorn. Large tree in mountain forest	6154
<i>Olea africana</i> Mill. Blyde River scrub forest	5653
<i>O. capensis</i> L. ssp. <i>macrocarpa</i> (C. H. Wr.) Verdoorn. Fair-sized canopy tree of high forest	4634, 4665
<i>O. woodiana</i> Knobl. Large tree in indigenous forest	5029
<i>Jasminum abyssinicum</i> Hochst. ex DC. Twining shrub in forest margin	4377
<i>J. fluminense</i> Vell. Woody liane in mountain forest	4651
<i>J. streptopus</i> E. Mey. var. <i>transvaalensis</i> (S. Moore) Verdoorn. Small shrub on forest margin	4737, 6061

LOGANIACEAE

<i>Strychnos decussata</i> (Pappe) Gilg. Medium-sized to small tree in Lowveld scrub	—
<i>S. spinosa</i> Lam. Small tree in Lowveld bushveld	6072
<i>Anthocleista grandiflora</i> Gilg. Tree with large leaves on banks of Klaserie River on lower foothills	5506
<i>Nuxia congesta</i> R. Br. ex Fresen. Small to fair-sized tree of mountain forest	6205, 6022
<i>N. floribunda</i> Benth. Small to fair-sized tree, high forest and forest margins	—
<i>N. oppositifolia</i> (Hochst.) Benth. Shrub widespread on riverbanks and river courses	6081, 6403
<i>Buddleia salviifolia</i> (L.) Lam. Shrub in forest margins	4982, 5564

GENTIANACEAE

<i>Sebaea erosa</i> Schinz. Small herb with yellow flowers in grassveld on mountain summit	4849, 5840
<i>S. macrophylla</i> Gilg. Herb with yellow flowers on top of mountain in moist places	4380, 4483

APOCYNACEAE

<i>Carissa bispinosa</i> (L.) Desf. ex Brenan var. <i>acuminata</i> (E. Mey.) Codd. Widespread shrub in undergrowth and along margin of forest	4768, 5853
<i>C. edulis</i> Vahl. Large subsucculent shrub or small tree in scrub	6512, 6078
<i>Landolphia capensis</i> Oliv. Liane with latex, in forest	4677
<i>Rauvolfia caffra</i> Sond. Large tree on banks of Klaserie River	5053
<i>Strophanthus speciosus</i> (Ward & Harv.) Reber. Liane in mountain forest	6274

ASCLEPIADACEAE

<i>Xysmalobium acerateoides</i> N. E. Br. Perennial forb in mountain grassveld	5022
<i>X. confusum</i> Scott-Elliott. Robust perennial forb in mountain grassveld	4966
<i>X. undulatum</i> (L.) Ait.f. Herb in mountain grassveld	6387, 6127
<i>Asclepias decipiens</i> N. E. Br. Herb in mountain grassveld.	6121
<i>A. gibba</i> Schltr. Herb in pine plantation, on side of road	5865
<i>A. physocarpa</i> Schltr. Tall weed of disturbed veld	5892
<i>A. stellifera</i> Schltr. Herb on slopes of mountain	5944
<i>Sarcostemma viminalis</i> R. Br. Leafless succulent perennial twiner	—
<i>Secamone alpinii</i> Schultes. Slender liane in high forest	6211, 4980
<i>S. frutescens</i> Decne. Liane on rocky ridges	5520
<i>S. gerrardii</i> Harv. ex Benth. & Hookf. Liane in high and marginal forest	5018, 4638
<i>Brachystelma pulchellum</i> Schltr. Bulbous shrub in grassveld on top of mountain	6322
<i>Riocrexia picta</i> Schltr. Subwoody twiner in high forest	6361, 6031
<i>R. torulosa</i> Decne. Subwoody twiner in scrub forest	4670
<i>Marsdenia dregea</i> Schltr. Slender twiner in Lowveld scrub on banks of Blyde River	6390

CONVOLVULACEAE

<i>Convolvulus ulosepalus</i> Hall.f. Herb with white flowers on foothills of mountain	6322
<i>Ipomoea albivenia</i> (Lindl.) Sweet. Woody twiner on rocky places	6116
<i>I. eriocarpa</i> R. Br. Herbaceous creeper	4579
<i>I. wightii</i> (Wall.) Choisy. Widespread and perennial twiner in grassveld and scrub forest	5890

BORAGINACEAE

<i>Ehretia amoena</i> Klotzsch. In Lowveld scrub	—
<i>Trichodesma zeylanicum</i> R. Br. Annual weed in falls in Blyde Canyon	5952
<i>Cynoglossum lanceolatum</i> Forsk. Weed in pine plantation	6060
<i>Myosotis afropalustris</i> C. H. Wr. Small herb in grassveld on foothills of mountain	5893

VERBENACEAE

<i>Lantana camara</i> L. Weed in foothill scrub	4603
<i>L. mearnsii</i> Moldenke. Weed in foothill scrub	4574
<i>L. montevidensis</i> Briq. Herb along roads	4659
<i>Lippia javanica</i> (Burm.f.) Spreng. Small shrub on lower foothills	6514, 5040
<i>Chascanum</i> sp. Small shrub on lower foothills	4597
<i>Duranta repens</i> L. Garden escape of disturbed scrub and scrub forest	—
<i>Gmelina arborea</i> Roxb. Foreign tree on foot of mountain	6049
<i>Clerodendrum glabrum</i> E. Mey. Shrub or small tree of early scrubby seral stages	5057, 4570

LABIATAE

<i>Leonotis leonurus</i> (L.) Ait. Conspicuous herb of forest margins and grassveld areas	4588, 5166
<i>Leucas glabrata</i> R. Br. Shrub in scrub forest in grassveld	5508
<i>Stachys aethiopica</i> L. Creeping shrub with mauve flowers on side of road	6337
<i>S. galpinii</i> Briq. In mountain grassveld near waterfall	6039
<i>S. cf. S. rehmannii</i> Skan. Laxly spreading low forb	5139
<i>Endostemon obtusifolius</i> (E. Mey.) N. E. Br. Herb in forest margin	4921, 6056
<i>Pycnostachys reticulata</i> (E. Mey.) Benth. Soft open shrub of moist places	4611
<i>P. urticifolia</i> Hook. Widespread soft shrub of open places	4572, 5524
<i>Plectranthus arthropodus</i> Briq. Robust herb on forest margin	4375
<i>P. fruticosus</i> L'Hérit. Robust herb on forest margins	4460, 4458
<i>P. laxiflorus</i> Benth. Robust herb on forest margins	4448, 4345
<i>P. myrianthus</i> Briq. Herb in mountain grassveld	5100

<i>P. nummularius</i> Briq. Prostrate herb in rock areas	6136
<i>Coleus tysonii</i> (Guerke). Herb on forest margin	5140
<i>Hoslundia opposita</i> Vahl. Herb in mountain grassveld	6139, 6374
<i>Iboza riparia</i> N.E. Br. On banks of Blyde River	6780, 5496
<i>Syncolostemon eriocephalus</i> Verdoorn. Shrub in rock crevices on mountain	5587, 4838

SOLANACEAE

<i>Withania somnifera</i> (L.) Dun. Shrub in forest region	6794
<i>Physalis peruviana</i> L. Weed in disturbed areas	5527, 4866
<i>Solanum aculeatissimum</i> Jacq. Shrub along road	4895
<i>S. geniculatum</i> E. Mey. Shrub on forest margin	4756
<i>S. giganteum</i> Jacq. Shrub in marshy area	4600, 4874
<i>S. indicum</i> L. Weed on side of road	4896
<i>S. panduraeforme</i> E. Mey. Weed of disturbance	4798, 4575
<i>Datura stramonium</i> L. Well-known weed	—

SCROPHULARIACEAE

<i>Halleria lucida</i> L. Widespread tree in mountain, forest and on river banks	—
<i>Nemesia melissaefolia</i> Benth. Small herb on mountain summit	5608, 5616
<i>Diclis reptans</i> Benth. Herb on fringe of forest	5968
<i>Bowkeria cymosa</i> MacOwan. Shrub or small tree on forest margin	4361A, 4645
<i>Sutera accrescens</i> Hiern. Suffrutescent forb	—
<i>S. floribunda</i> (Benth.) Kuntze. Lax suffrutescent forb	6202, 5536
<i>Zaluzianskya katherinae</i> Hiern. Herb in rock crevices	5620
<i>Z. lychnidea</i> Walp. Shrub between rocks	4811
<i>Craterostigma wilmsii</i> Engl. ex Diels. Herb in seasonal pools and rocks on summit of mountain	4517
<i>Ilysanthes conferta</i> Hiern. Submerged herb in seasonal pools on summit of mountain	6339
<i>Hebenstreitia comosa</i> Hochst. Herb on summit of mountain	4833
<i>H. dentata</i> L. Herb on summit of mountain	6768
<i>Selago elata</i> Rolfe. Herb of grassveld on forest margin	4449, 6769
<i>S. muddii</i> Rolfe. Herb on summit of mountain	5834
<i>S. nelsoni</i> Rolfe. Herb on summit of mountain	4522
<i>S. villosa</i> Rolfe. Herb with blue flowers on top of mountain	4383, 4524
<i>S. sp.</i> Small shrub on mountain slope	6492
<i>Cynium racemosum</i> Benth. Parasite in grassveld	6460
<i>Rhamphicarpa tubulosa</i> Benth. Shrub on river-banks	6495
<i>Harveya coccinea</i> Schtr. Widespread parasitic herb	4683
<i>H. huttonii</i> Hiern. Root parasite on forest floor in mountain forest	6258A, 5894

BIGNONIACEAE

<i>Tecomaria capensis</i> Spach. Twining shrub in Lowveld scrub on river-banks	5167
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GESNERIACEAE

<i>Streptocarpus confusus</i> Hilliard. Herb on forest floor	6635, 4727
<i>S. cyaneus</i> S. Moore. Herb in forest on mountain slope	6048, 6478
<i>S. micrantha</i> C. B. Cl. On rocks in indigenous forest	4507A, 4997
<i>S. parviflorus</i> Hook.f. Small tufted herb on high forest floor	4971
<i>S. pusillus</i> Harv. In shade of rocks on mountain summit	4817, 4816
<i>S. wilmsii</i> Engl. Epiphyte on trees in indigenous forest	4951, 4329A

ACANTHACEAE

<i>Thunbergia alata</i> Boj. ex Sims. Twiner in forest margin	6372
<i>T. natalensis</i> Hook. Shrub on forest floor	5895, 5916
<i>Barleria gueinzii</i> Sond. Herb in undergrowth	4602
<i>B. rotundifolia</i> Oberm. Herb on floor of riparian forest	5498
<i>Sclerochiton harveyanus</i> Nees. Sprawling to subscandent shrub. Abundant in high forest undergrowth	4899, 4514
<i>Crossandra greenstockii</i> S. Moore. Herb in grassveld	5010, 5859
<i>Dicliptera clinopodia</i> Nees. Undershrub in kloofs and mountain forest	6730, 5491
<i>D. zeylanica</i> Nees. Shrub on fringe of mountain forest	4463
<i>Hypoestes aristata</i> R. Br. Undershrub of sour grassveld and scrub	5552
<i>H. triflora</i> Roem. & Schult. Shrub on river-banks and forest margin	5128
<i>H. verticillaris</i> R. Br. Small shrub in undergrowth	5551, 5519
<i>Mackaya bella</i> Harv. Shrub in open parts of high forest	4673
<i>Duvernoia adhatodoides</i> E. Mey. ex Nees. Shrub prominent in substrata	6041, 5147
<i>Ruttya ovata</i> Harv. Shrub on Blyde River banks	5494, 6400
<i>Justicia petiolaris</i> E. Mey. Undergrowth of Blyde River forest	5509
<i>J. protracta</i> (Nees) T. Anders. Undershrub of Blyde River riparian forest	5507

PLANTAGINACEAE

Plantago lanceolata L. Exotic herb in grassveld at forest station 6436

RUBIACEAE

Oldenlandia rupicola (Sond.) Kuntze. Herb on summit of mountain 6764, 4821A
Conostomium natalense (Hochst.) Brem. Herb in pine plantations 4510
Adina microcephala (Del.) Hiern. var. *galpinii* (Oliv.) Hiern. Large tree on banks
of Blyde River 5052, 6089
Cephalanthus natalensis Oliv. Liane in mountain forest 6798, 6171
Gardenia amoena Sims. Strangling shrub in scrub and scrub forest 5538, 6093
G. spatulifolia Stapf & Hutch. Small Lowveld tree —
Rothmannia capensis Thunb. Small to medium-sized understory tree of high
forest 5881, 4881
Oxyanthus gerrardii Sond. Large understory shrub of high forest 4405, 4626
Tricalysia capensis (Meisn.) Sim. Small understory tree in high forest 6277, 4400
T. lanceolata (Sond.) Burt Davy. Small shrub in forest 6067
Pentanisia angustifolia Hochst. Herb in pine plantation 4904
P. prunelloides (Klotzsch ex Eckl. & Zeyh.) Walp. Herb on forest margin 4446, 4914
Vangueria cyanescens Robyns. Small understory tree or shrub —
V. infausta Burch. Variable small tree in Lowveld areas —
Canthium ciliatum (Klotzsch) Kuntze. Small understory tree in forest 5965
C. guinzii Sond. Stout woody liane of high forest, and forest margins 6168, 4792
C. mundianum Cham. & Schlecht. Shrub on stony and rocky ridges in forest
areas 6087, 6473
C. obovatum Klotzsch. Undershrub in mountain forest 5123, 4882
C. ventosum (L.) S. Moore. Small tree on fringe of forest 5906, 6231
Pachystigma macrocalyx (Sond.) Robyns. Shrub in undergrowth 6276
Fadogia tetraquetra K. Krause. Herb on mountain slopes 5958, 6069
Pavetta assimilis Sond. Scrub on banks of Blyde River 5489
P. lanceolata Eckl. Small tree or shrub on high forest margin 6785, 6042
P. schumanniana F. Hoffm. ex K. Schum. Shrub in Blyde River Lowveld 6119
Psychotria capensis (Eckl.) Vatke var. *capensis*. Small understory tree in high
forest 4663, 4633
P. zombamontana (Kuntze) Petit. Small understory tree in forest 4729A, 4668
Galopina circaeoides Thunb. Herb on forest floor 4994, 4324A
Anthospermum ammannioides S. Moore. Shrub on slopes of mountain 6128
A. herbaceum L.f. Prostrate herb on mountain summit 6341, 5596
A. hispidulum E. Mey. Prostrate herb on mountain summit 4345, 5995
Otiophora calycophylla (Sond.) Schltr. & K. Schum. Small shrub on summit of
mountain 6318
O. cupheoides N.E. Br. Small shrub in open areas and forest margins 4523, 4831
Rubia petiolaris DC. Straggling shrub on forest margins 4606

DIPSACACEAE

Scabiosa columbaria L. Widespread herb in mountain grassveld 5009, 4983

CUCURBITACEAE

Cucumis africanus L.f. Herb in mountain grassveld 6511
C. sp. Herb in tall grassveld on foothills of mountains 5877
Trochomeria hookeri Harv. Slender soft climber in grassveld on foothills of moun-
tains 5075
Peponium mackenii (Naud.) Engl. Climbing herb in riparian scrub 6404
Coccinia adoensis (Hochst. ex A. Rich.) Cogn. Herbaceous climber in seral grass-
veld and forest scrub 6385
C. palmata (Sond.) Cogn. Twiner in pine plantation 5531, 6063
C. sessilifolia (Sond.) Cogn. Twiner in shrub forest —
C. variifolia A. Meeuse. Soft climber of the openings in high forest 6133A, 6511

CAMPANULACEAE

Wahlenbergia undulata (L.f.) A.D. Herb in mountain grassveld —
W. virgata Engl. Herb between boulders on mountain summit 6195
Lobelia decipiens Sond. Small herb, pioneer on bare soil in wet places 6561, 5868
L. filiformis Lam. var. *krebsiana* (Presl) E. Wimm. Small herb in marshy grassveld 6019
L. laurentioides Schltr. Herb spreading flat on ground 5087
L. pteropoda (Presl) A. D. Herb on forest floor 4697
Monopsis kowynensis E. Wimm. Small herb on moist places on summit of moun-
tain 6020, 6180
M. stellarioides (Presl) Urb. var. *stellarioides* E. Wimm. Herb on moist places
of forest margins —

COMPOSITAE

<i>Vernonia umpla</i> O. Hoffm. Shrub up to 3 m high in scrub of forest, on foothills of mountain	6620, 4580
<i>V. corymbosa</i> (Thunb.) Less. Small shrub on mountain slopes	4658, 5099
<i>V. crataegifolia</i> Hutch. Shrub on eastern mountain slopes	5418, 5534
<i>V. oligocephala</i> (DC.) Sch. Bip. ex Walp. Herb in grassveld on lower slopes	6507
<i>V. shirensis</i> Oliv. et Hiern. Tall shrub in pine plantations	4565, 5164
<i>V. umbratica</i> Oberm. Small shrub on forest margin	4726, 4540
<i>Ageratum conyzoides</i> L. Herb in bluegum plantation	5165
<i>Mikania cordata</i> (Burm.f.) Robinson. Liane in scrub forest in forest margin	6811, 5530
<i>Mikaniopsis</i> sp. Liane infrequently scattered in high forest	5541
<i>Dichrocephala integrifolia</i> (L.f.) Kuntze. Herb in forest margin	4888
<i>Erigeron canadensis</i> L. Weed in mountain grassveld	—
<i>Nidorella auriculata</i> DC. Herb in mountain and foothill grassveld	4923, 4869
<i>Conyza ivaefolia</i> (L.) Less. Spreading small shrub on banks of Blyde River	6057, 4599
<i>C. hochstetteri</i> Sch. Bip. Herb in scrub on banks of Blyde River	6268
<i>Brachylaena huillensis</i> O. Hoffm. Shrub or small tree in mountain areas	5103
<i>B. transvaalensis</i> Phill. & Schweick. Large forest tree	5033
<i>Tarconanthus galpinii</i> Hutch. & Phill. Small tree on rocky ridges in mountain forest	5098
<i>Laggera pterodonta</i> (DC.) Sch. Bip. Weed of disturbed sites	—
<i>Cassinia phylcaefolia</i> (DC.) J.M. Wood. Herb in mountain grassveld	5013, 5104
<i>Helichrysum acutatum</i> DC. Herb on summit of mountain	6485, 6037
<i>H. appendiculatum</i> (L.f.) Less. Small herb in mountain grassveld	4782, 4903
<i>H. decorum</i> DC. Herb with yellow flowers on mountain slopes	5572
<i>H. aureum</i> (Houtt.) Merrill. Herb on side of road	4403
<i>H. latifolium</i> (Thunb.) Less. Herb on summit of mountain	6327, 5979
<i>H. lepidissimum</i> S. Moore. In grassveld on slopes of mountain	4621, 4472
<i>H. mechowianum</i> Klatt. Herb on forest floor, mountain slope	5947
<i>H. mundii</i> Harv. Herb in mountain grassveld	4616
<i>H. nudifolium</i> (L.) Less. var. <i>quinquenerve</i> (Thunb.) Moeser. Weed in pine plantation	4885
<i>H. obductum</i> H. Bol. Herb on summit of mountain	6197
<i>H. odoratissimum</i> (L.) Less. Herb in marshy grassveld	6241, 4834
<i>H. platypterum</i> DC. Herb in mountain grassveld	5096
<i>H. setosum</i> Harv. Small shrub on mountain slopes	6788, 4660
<i>H. sutherlandii</i> Harv. Herb on rocky cliffs at waterfall	4351
<i>H. subglomeratum</i> Less. Herb with yellow flowers, on plateau	5377
<i>H. swynnertonii</i> S. Moore. Herb in mountain grassveld	6489
<i>H. undatum</i> (Thunb.) Less. Subwoody forb-grassveld	—
<i>H. wilmsii</i> Moeser. Herb in mountain grassveld	5101, 4335
<i>H.</i> sp. nov. aff. aff. <i>H. wilmsii</i> Moeser. Herb in marshy mountain grassveld	4775
<i>H.</i> sp. nov. (= Smuts & Gillett 2375, Codd 3336 +6202). Herb on summit of mountain	6176
<i>Stoebe vulgaris</i> Levyns. Spreading ericoid shrub in mountain grassveld	4905
<i>Macowania tenuifolia</i> M.D. Hend. Small shrub on summit of mountain	5617, 6196
<i>Athrixia elata</i> Sond. Small shrub in mountain grassveld	5535
<i>A. phylcooides</i> DC. Mountain grassveld	6789
<i>Philyrophyllum schinzii</i> O. Hoffm. In grassveld on banks of Blyde River	5490
<i>Anisopappus junodii</i> Hutch. Small shrub on summit of mountain	4908, 5656
<i>Acanthospermum australe</i> (Loefl.) Kuntze. Small shrub in mountain grassveld	5044
<i>Aspilia mossambicensis</i> (Oliv.) Wild. Shrub with yellow flowers on river bank	6393
<i>A. natalensis</i> (Sond.) Wild. Shrub on banks of river near disturbed area	6096
<i>Tithonia tagetiflora</i> Desf. On side of road near Blyde picnic spot	6122
<i>Galinsoga parviflora</i> Cav. Weed of disturbance in moist area	5634
<i>Eumorphia davyi</i> H. Bol. Small shrub with white flowers on top of mountain	4835
<i>Schistostephium heptalobum</i> (DC.) Oliv. & Hiern. Herb along road on mountain summit	4394
<i>Artemisia afra</i> Jacq. Herb in mountain grassveld	6508
<i>Lopholaena disticha</i> (N.E. Br.) S. Moore. Shrub in mountain grassveld	5112, 5612
<i>Crassocephalum crepidioides</i> (Benth.) S. Moore. Herb on summit of mountain	4465
<i>C. picridifolium</i> (DC.) S. Moore. Herb in pine plantation	6504
<i>Cineraria</i> sp. Liane in forest margins	4752
<i>Senecio barbellatus</i> DC. Herb on mountain summit	6448
<i>S. caudatus</i> DC. Herb in mountain grassveld	6242
<i>S. coronatus</i> Harv. Herb on mountain plateau	6193, 6338
<i>S. deltoideus</i> Less. Undergrowth on Blyde River banks	5493
<i>S. erubescens</i> Ait. Herb in moist areas	4773, 6286
<i>S. galpinii</i> Hook.f. Herb. in mountain grassveld	5023
<i>S. junodii</i> Hutch. & Burt Davy. Small shrub in forest margins	4347

<i>S. mikanioides</i> Otto. Slender liane in mountain forest	5114
<i>S. orbicularis</i> Sond. In grassveld on slopes of mountain	5002, 6353A
<i>S. pandurifolius</i> Harv. Tall herb in grassveld of lower slopes	4612
<i>S. polyanthemoides</i> Sch. Bip. Herb in mountain grassveld	6488, 4563
<i>S. pterophorus</i> DC. Herb in marshy grassveld	4887, 4342
<i>S. quinquelobus</i> DC. Slender liane in mountain forest	4453
<i>S. speciosus</i> Willd. Herb in mountain grassveld	6252, 6038
<i>S. tamoides</i> DC.	4372, 5086
<i>Euryops pedunculatus</i> N.E. Br. Small shrub on summit of mountain	5613
<i>Haplocarpha scaposa</i> Harv. Herb on summit of mountain	4977, 6326
<i>Hirpicium bechuanense</i> (S. Moore) Roessl. Weed on fallows in Blyde River Poort	5955
<i>Berkheya insignis</i> (Harv.) Thell. Small herb in grassveld on eastern slopes	5879, 4976
<i>B. latifolia</i> Wood & Evans. Herb on banks of Klaserie River	4361
<i>B. radula</i> (Harv.) De Wild. Near water at Klaserie Waterfall	4925
<i>Gerbera jamesonii</i> H. Bol. ex Hook.f. On banks of Blyde River	5512
<i>G. kraussii</i> Sch. Bip. On banks of Blyde River	6386