

Appendix D

Specialist Reports

SPECIALIST REPORT

BIODIVERSITY REPORT



SPECIALIST BIODIVERSITY REPORT

Terrestrial Biodiversity and Ecology:
ESKOM Buffelspruit Khanyazwe, 132kV power line alternatives,
Nkomazi, Mpumalanga Province

Compiled for

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Authors

Danie van der Walt (*M.Sc. Biol*)

Afrika

Enviro & Biology

Specialist Environmental & Biodiversity Assessments

TEL 013 256 9464
FAX 086 603 8875
CELL 072 623 1845
27823022459@vodamail.co.za

P.O. BOX 152
Waterval-Boven
1195

Executive Summary

Due to the urgent need to supply electricity to rural areas in Mpumalanga, ESKOM intends to construct a twin 132kV overhead power line from the existing Khanyazwe substation to the east of Malelane along two alternative alignments to the existing Buffelspruit substation approximately 20km to the south. As partial requirement a biodiversity survey was required by the Department of Environmental Affairs (DEA) and the Mpumalanga Parks Board (MPB). The two proposed alternative alignments were investigated to determine their potential impacts on the natural environment. The terms set by the consultant for this report is understood as follows:

1. Vegetation survey and vegetation communities and habitats;
2. Terrestrial fauna report;
3. Habitat and ecological sensitivity report;
4. Impact assessment and recommendations

The general study area varies from mountainous bushveld to plains bushveld. The most serious transformation of the natural environment consists of cultivation of crops and formal and informal settlements which have transformed significant areas of natural land in the past few years. On a National level, the larger study area can be classified as Lowveld (A10), according to Acocks (1988) and Sour Lowveld Bushveld according to Low & Rebelo (1998). Classified on a regional scale and according to a more detailed system the study area comprises several distinct vegetation units (Mucina & Rutherford, 2006):

Unit 1) Kaalrug Mountain Bushveld is found on the mountain slopes and hills in the Barberton area south of the Kaaps River. The structure consists of open to dense, short mountain savannah or thickets, with a more dominant grass layer at higher altitudes. This is a mesic mountain bushveld with more relationships to mountain grassland and is often found on steep or very broken mountain slopes. Approximately 25% is conserved, including 16% in the Mountainlands Nature Reserve. Rated as Least Threatened.

Unit 2) Barberton Serpentine Sourveld

Occurs as fragmented patches on ultramafic substrates of the larger Barberton area. Vary from grassland with stunted woody vegetation in the south to a more woody structure in the lowerlying Noordkaap area and towards Malelane. As result of the unique soil types, many endemic vegetation taxa are associated with this veld unit. Transformation as result of cultivation and plantations. Rated as Vulnerable.

Unit 3) Granite Lowveld

Occurs on a North-South belt on the lowveld plains east of the escarpment. Tall shrubland to low woodland with few large trees. Transformation as result of cultivation and settlements. Rated as Vulnerable.

Unit 4) Lowveld Riverine Forest is found along prominent rivers and streams in all the low lying areas of the northeastern Provinces of South Africa. *Ficus spp* are always present and characteristic trees are *Diospyros mespiliformis* and *Breonadia salicina*. This azonal unit is rated as Critically Endangered due to its sensitivity as well as its ecological importance. Approximately 50% is conserved in the larger National and Provincial Parks and an unknown proportion has been irreversibly transformed due to clearing for cultivation and other human induced impacts.

The vegetation communities that were identified during this investigation are described in the following sections:

i) Mountain woodland

This community can be described as a mosaic of bushveld trees and shrubs, forming a closed woodland community of tall shrubs and medium to tall trees. Prominent grasses are *Hyperthelia dissoluta*, *Panicum maximum* and *Cymbopogon pluriniodes*. Shrubs and lower species include *Rhus transvaalensis*, *Euclea*

natalensis, *Pavetta edentula*, *Diospyros lycioides* (*sericea*), *Zanthoxylum capense*, *Flueggea virosa*, *Commiphora africana*, *Rhoicissus dentata*, *Asparagus racemosus*, *Sansevieria hyacinthoides* and *Lippia javanica*. Prominent species of trees are *Commiphora mollis*, *Acacia caffra*, *Acacia davyi* *Pterocarpus rotundifolia*, *Olea europaea* subsp *africana*, *Combretum padoides*, *Combretum apiculatum*, *Combretum zeyheri*, *Sclerocarya birrea* (protected), *Peltophorum africanum*, *Pappea capensis*, *Strychnos madagascariensis* and *Dombeya rotundifolia*. No Red Data Listed (RDL) or endemic species were recorded and the potential of such taxa being present is low. This woodland has a *High* ecological importance as it is in a natural state with a diverse vegetation assemblage and it provide habitat for reptiles, birds and mammals.

ii) **Plains woodland**

This community can be described as a closed woodland community of tall shrubs and medium to tall trees. Commonly found species are: *Acacia nigrescens*, *Dichrostachys cinerea*, *Sclerocarya birrea* ssp. *caffra*, *Combretum collinum*, *Combretum apiculatum*, *combretum zeyheri*, *Strychnos madagascariensis*, *Lannea discolor*, *Peltophorum africanum*, *Euphorbia ingens* and *Terminalia sericea*. Many of the trees of this community are fruit bearing and thus of ecological importance. Shrubs are diverse and include *Euclea crispa*, *Euclea divinorum*, *Gymnosporia glaucophylla*, *Flueggia virosa* and *Ochna natalitia*. The areas consisting of this community have a significant diversity of vegetation and related faunal potential - the sensitivity is rated as *High*.

iii) **Riparian thickets**

This zone can be described as a riverine thicket found on stream and river banks of the study area. Characteristic Lowveld riparian trees (Obligate riparian indicator species) are present. These include *Ficus sycomorus*, *Diospyros mespiliformis*, *Breonadia salicina*, *Combretum erythrophyllum*, *Dalbergia armata*, *Bridelia micrantha* and *Acacia robusta* ssp *clavigera*. The tall tree component includes exceptional large specimens of *Ficus sycomorus* and *Diospyros mespiliformis*, with a height of up to 20m being reached. Smaller trees include *Acacia robusta* ssp *clavigera*, *Trichilia emetica* and *Combretum imberbe*. *Acacia schweinfurthii*, *Hippobromus pauciflorus* and *Croton megalobotrys* are found on the edge. This community has been degraded in some areas due to encroaching cultivated lands and tree felling as well as natural phenomena such as more recent floods (e.g. 2000ad). This community has very important stabilizing and ecological functions and has a *High* sensitivity rating.

iv) **Cultivated lands**

The lower lying valleys as well as plateaus on the higher areas have been transformed to producing fruit producing fruit and crops due to the climate and availability of water. Only fragments of natural vegetation remain intact due to the transformation. Furthermore, the orchards are regularly sprayed with pesticides and are chemically fertilized. As result of these impacts, these areas are low in biodiversity and all of these areas' sensitivity rating is *Low*.

Four legally protected tree species and four RDL species were identified in the affected area. The possibility exists that several important fauna species may occur in the alternative servitudes. However, due to the mobility of most terrestrial fauna, it is not anticipated that any of the taxa will be directly threatened by the activities. The animals can move away when disturbed and can return to the general area hence the termination of construction. The major impact on terrestrial fauna is expected to result from loss of habitat. Impact on terrestrial fauna and important species can be minimized by firstly aligning the servitude to make use of existing access roads and disturbed areas and avoiding sensitive habitats (e.g. rocky outcrops, wetlands and forests), and secondly by placing of the structures/poles on pre-selected sites of low faunal importance.

The investigation has determined that several different habitats and a diverse range of biota may be affected by any one of the alternative alignments. The significance of anticipated impacts has been evaluated and recommendations and deductions could be made. If these findings are correlated with the

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different alignment alternatives, the cumulative impacts are inferred and a definite alignment recommendation can be made:

Alternative assessment and recommendation:

Alternative Alignment	Impacts on natural vegetation and habitats	Impacts on terrestrial fauna	Cumulative Score
1	5	7	12
2	12	11	23
Recommended alternative alignment			Alternative 01

The biodiversity investigation indicates that each alignment alternative vary in sensitivity from a *Low* to a *High* rating depending on specific aspects and features. **Alignment alternative 01 is recommended for the total length of the power line.**

With adequate mitigation the anticipated impacts on biodiversity can be controlled and reduced to a satisfactory level to ensure a minimal affect on biodiversity. The following preventative and mitigation measures must be incorporated with the planning, construction and operational phases of the power line (refer also to Fig. 1).

1) Planning Phase

- The proponent must be committed to a conservation approach during the planning phase;
- Sensitive habitats must be avoided or least sensitive crossings must be used as mitigation (Fig. 1);
- The significance of potential impacts on biodiversity can be mitigated by aligning the alternatives alongside existing power lines and roads and by considering easy access.
- Where conservation areas have to be crossed or are affected, the alternatives must be aligned onto the boundaries where possible.
- Riparian vegetation at river crossings must be avoided altogether where possible by bypassing or by suspending the lines across from high ground to high ground. If this is not achievable such habitats must only be disturbed where absolutely necessary and prominent trees must be avoided. It is recommended that only a minimal opening, large enough for the lines to cross without interference is created in such areas;
- The necessary plant destruction permits must be obtained from the regulating authorities prior to construction;
- A specialist must assist the surveyor to ensure that the above recommendations are followed;

2) Construction Phase

- The proponent must be committed to a conservation approach of practice and the actual footprint of construction/disturbance must be kept to a minimum;
- Construction by helicopter is advised in areas where earthworks and construction of access roads may result in erosion or unnecessary environmental damage.
- As much of the natural environment must be conserved (minimal construction of access roads and bush clearing);
- Relocation of important species, identification and demarcation of specimens and sub-habitats not to be disturbed will have to be done beforehand by a specialist;

- Important species (fauna as well as flora) that will be threatened by the development must be relocated to safer habitats by suitable specialists;
 - Preventative erosion control measures to be put in place;
- 3) Operational Phase
- Maintenance crews must be educated with regards of the importance of biodiversity;
 - Maintenance of the lines and servitudes must be done in such a manner to conserve vegetation and create as least disturbance as possible and servitudes must be cleared of invasive vegetation;
 - The operational phase must be monitored by ESKOM environmental officials to ensure that adequate mitigation measures are in place and to take reactive measures in places where impacts pose problematic.

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1. Introduction and objectives

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The main aim of this survey was to conduct a specialist survey regarding the natural status, faunal potential and floral composition of the alignment alternatives as projected in Fig. 1. The alternatives were investigated on the following dates: 2012-08-27/30/31.

2. Survey Methods and Reporting

2.1 General

The authors relied on aerial images and ortho photos to assemble background information regarding the different features and vegetation communities present within the affected areas. The information thus gathered was used for selecting survey sites and to identify possible sensitive areas to be investigated. Furthermore, the alternative routes were surveyed by road as far as was logistically possible. Problematic, as well as potential sensitive areas were visited and investigated as explained in the following two sections. All literature and other references used to support findings and to assist in making conclusions are listed. In order to identify possible alternative alignments for each alternative in order to mitigate their impacts, a 1km wide corridor along each alternative were investigated.

2.2 Vegetation

Floral diversity was determined by completing survey transects and sample sites along all the different habitats within the physiographic zones represented in the affected areas (Deal *et al.* 1989a). In order to attain scientifically reliable results, obviously distinct vegetation communities were surveyed by selecting representative sites in each homogenous unit (Mathews *et al.* 1992). The vegetation units of Mucina & Rutherford (2006) are used as reference but where necessary communities are named according to the recommendations for a standardized South African syntaxonomic nomenclature system as explained by Deal *et al.* (1989b). By combining the available literature with the survey results, stratification of vegetation communities was possible.

The survey transects and sites in the affected areas were also intensively searched for important species and the potential for Red Data Listed (RDL) and other important species were established and cross referenced with PRECIS Data for the relevant quarter degree grid/s (SANBI, 2008). The aim was to identify distinct vegetation types and to establish their integrity and representation in the study area. The veld types are described on a local level in section 4, and with the aid of illustrations in Appendix 2 of this report.

2.3 Terrestrial Fauna

The fauna investigation is based on an intensive desktop study verified by cross reference with available habitats of the study area, so as to establish the faunal potential of a particular site. All fauna that were observed during field trips and floral surveys were also recorded. However, selected survey sites were well searched for fauna and habitats were identified during the vegetation surveys so as to establish the faunal potential of a particular area. By method of elimination (based on available habitats and the taxon's biology and known distribution), lists of faunal representation for the study area was assembled. The investigation included:

- Butterflies;
- Frogs;
- Reptiles – in order not to destroy or damage natural rocky areas and termite mounds the reptile search were limited to visual encounters as well as investigating smaller cover objects which could be replaced in its natural position;
- Mammals – this investigation was based on visual encounters and physical signs (e.g. tracks and droppings);

So as to attain universal terms and references for this report, all reports refer to the floral habitats that were identified. However, other important habitats that were identified and that do not have a floristic relevance are also discussed where applicable

2.4 Ecological importance and sensitivity rating of habitats

By considering the results of all the above investigations, the authors allocate a qualitative sensitivity rating to the habitats that were identified, based upon its ecological importance and biodiversity value. A qualitative method was chosen at the first stage of assessment instead of a quantitative method in order simplify the procedure of assessment.

This method of assessment is based on the criteria used by DWAF for river ecoclassification (Kleynhans et al., 2009) and a technique for assessing wetland health (Macfarlane et al., 2005). In order to simplify the decision making process, a scale of *Low*, *Medium* and *High* is used, based upon biodiversity value and ecological functions (Table 1).

Table 1 Criteria used for sensitivity rating of habitats

Ecological Importance/Biodiversity Value	Sensitivity Rating
Terrestrial and Riparian Communities	
Natural communities which are regarded as ecologically important and sensitive and important for the maintenance of biodiversity. It may be linked to other important communities and provide an important refuge/corridor for biodiversity (fauna and flora). This rating can also be allocated due to the presence of one or more unique qualities (e.g. occurrence of RDL, Endemic and/or Protected species). The presence of unnatural impacts is low and can be managed. Any external impacts will have a significant negative effect on its status.	High
Natural communities which have a limited ecological function and a limited function for maintaining biodiversity. This may be due to homogenous habitat conditions and/or the negative effects of external impacts. External impacts can be managed and mitigated to reduce the significance of their magnitude.	Medium
Communities which have been significantly modified or transformed with the result that little or no natural flora and habitats remain intact. Ecological importance as well as biodiversity value is low. External impacts will not have a significant impact on its status.	Low

These criteria are also used to aid in the allocation of weight factors to different aspects for designing a significance index as explained in the following section.

2.5 Significance rating for biodiversity

In order to do a comparative assessment of the alternatives it is necessary to quantify the potential impacts of each alternative on specific biodiversity aspects (habitat or taxon). Therefore it is necessary to design a *significance index for biodiversity* that quantifies the importance of specific biodiversity aspects that have the potential of being negatively affected. This is achieved by measuring the total distance over which an impact will be relevant on a given land use/habitat or taxon (or to count the number of high risk areas where the distance cannot be measured, e.g. river crossings, mountain cliffs and ravines). In order to calculate the *significance rating* for each biophysical aspect a weight factor is allocated to each aspect. This method of assessment is a modification of the DWA method for *river ecoclassification* (Kleynhans et al., 2009). The weight factor allocated to each aspect is based on its importance in the assessment, where a negative weight (-) is allocated to an aspect that will lower the significance of an impact and a positive weight (+) is allocated to an aspect with a negative significance potential. The weight factor is determined by the assessor, based on expert knowledge from assessing a wide range of criteria and is based on the ecological/biological significance of an aspect. A weight scale of -5 to +5 is used.

The *significance rating* of each aspect is calculated by multiplying its total distance of influence, or its assigned numerical index, by the allocated weight. To obtain a rating for an alternative, all the ratings for the different aspects in an alternative are added up. This method to assign a quantitative significance rating to an alternative can be modified for most biophysical subjects (e.g. impacts significance on habitats, fauna, etc.). The alternative with the least significant impact on the relevant aspects of the biophysical environment can then be found by comparison.

3. Background Information

3.1 Biophysical description of the study area

The general study area varies from mountainous bushveld to plains bushveld. The most serious transformation of the natural environment consists of cultivation of crops and formal and informal settlements which have transformed significant areas of natural land in the past few years.

The general geology of the area consists of granite and gneiss, mostly of the Nelspruit suite, forming hills with large boulders. Soils are shallow, coarse lithosols, comprised of Glenrosa or Mispah soil types.

A typical Lowveld climate prevails with seasonal summer-rainfall, warm temperatures and dry winters. MAP is 654mm, ranging between 600mm and 1100mm (increasing with altitude). Frost is infrequent.

3.2 Veld types & Vegetation units

On a National level, the larger study area can be classified as Lowveld (A10), according to Acocks (1988) and Sour Lowveld Bushveld according to Low & Rebelo (1998). Classified on a regional scale and according to a more detailed system the study area comprises several distinct vegetation units (Mucina & Rutherford, 2006):

Unit 1) Kaalrug Mountain Bushveld is found on the mountain slopes and hills in the Barberton area south of the Kaaps River. The structure consists of open to dense, short mountain savannah or thickets, with a more dominant grass layer at higher altitudes. This is a mesic mountain bushveld with more relationships to mountain grassland and is often found on steep or very broken mountain slopes. Approximately 25% is conserved, including 16% in the Mountainlands Nature Reserve. Rated as *Least Threatened*.

Unit 2) Barberton Serpentine Sourveld

Occurs as fragmented patches on ultramafic substrates of the larger Barberton area. Vary from grassland with stunted woody vegetation in the south to a more woody structure in the lowerlying Noordkaap area and towards Malelane. As result of the unique soil types, many endemic vegetation taxa are associated with this veld unit. Transformation as result of cultivation and plantations. Rated as *Vulnerable*.

Unit 3) Granite Lowveld

Occurs on a North-South belt on the lowveld plains east of the escarpment. Tall shrubland to low woodland with few large trees. Transformation as result of cultivation and settlements. Rated as *Vulnerable*.

Unit 4) Lowveld Riverine Forest is found along prominent rivers and streams in all the low lying areas of the northeastern Provinces of South Africa. *Ficus spp* are

always present and characteristic trees are *Diospyros mespiliformis* and *Breonadia salicina*. This azonal unit is rated as *Critically Endangered* due to its sensitivity as well as its ecological importance. Approximately 50% is conserved in the larger National and Provincial Parks and an unknown proportion has been irreversibly transformed due to clearing for cultivation and other human induced impacts.

3.3 Conservation value

The Mpumalanga Department of Environment's Intrinsic Biodiversity Conservation Plan (MBC-plan) rates an area based on specific ecological, faunal and floral and other biophysical criteria (Lötter, 2006). The MBC-plan rating for the biodiversity significance of the study site is given in Appendix 1. The MBC-plan for the study area indicates that the zoning varies from *no natural habitat remaining* to *irreplaceable* and *protected*. One of the objectives of this report is to verify the MBC-plan rating and to provide detailed data relevant to this rating.

3.4 Alternative alignment descriptions

Northern section

Starting at Khanyazwe substation both alternatives follows the same route in a northeasterly direction alongside the servitude of an existing power line. This area is characterized by mountainous terrain and includes the Dumaneni Nature Reserve and is rated as *Irreplaceable* by the MBCP (Fig. 1.1 and Appendix 1). The alternatives are then deflected into a southerly direction until the R570 is crossed whereupon Alternative 01 follows an alignment alongside (parallel) the road (R570) in a southern direction. This area consists of a patchwork of cultivated lands and fragments of natural vegetation. Alternative 02 continues on the same alignment of the existing servitude until a point where a district road is reached. This area consists mainly of natural vegetation. From this point Alternative 02 deflects in a southwesterly direction.

Southern section

Alternatives 01 follows an alignment alongside the R570 until the Buffelspruit substation is reached. The land in this section has been mainly transformed to cultivated lands (Fig. 1.2). Alternative 02 follows an alignment on farm boundaries in a southwesterly direction until an existing power line is reached to the east of the substation. It follows this alignment until the Buffelspruit substation is reached. The land in this section has been mainly transformed to cultivated lands. Several riparian areas will be crossed in this section by both alternatives. Alternative 02 will be responsible for major riparian crossings of the Mlomathi River which will be crossed at three locations by (Alternative 01 will not cross this River or any other major water courses).

It should be noted that mitigation of potential impacts on biodiversity has already been considered during the planning phase: Aligning the alternatives alongside existing power lines and roads and considering easy access. Furthermore, the alternatives are planned on the boundaries of conservation areas where such areas have to be crossed.

4. Vegetation report and general biophysical descriptions

Although the vegetation classification of Mucina & Rutherford (2006) is used as reference, these units are broadly classed and may include several distinct vegetation communities within a particular vegetation unit. The vegetation communities that were identified during this investigation are projected in Fig. 1.2-1.2 and are described in the following sections:

4.1 Vegetation and land uses

The alternative alignments and vegetation assemblage are projected on an aerial image in Fig. 1.1 -1.2. It should be noted that only natural vegetation that are included within each corridor, or are likely to be affected, is indicated. Illustrations of the habitats encountered on the proposed alternatives are given in Appendix 2 and the vegetation checklist is given in Appendix 3.

i) Mountain woodland

This community can be described as a mosaic of bushveld trees and shrubs, forming a closed woodland community of tall shrubs and medium to tall trees. Prominent grasses are *Hyperthelia dissoluta*, *Panicum maximum* and *Cymbopogon pluriniodes*. Shrubs and lower species include *Rhus transvaalensis*, *Euclea natalensis*, *Pavetta edentula*, *Diospyros lycioides* (*sericea*), *Zanthoxylum capense*, *Flueggea virosa*, *Commiphora africana*, *Rhoicissus dentata*, *Asparagus racemosus*, *Sansevieria hyacinthoides* and *Lippia javanica*. Prominent species of trees are *Commiphora mollis*, *Acacia caffra*, *Acacia davyi*, *Pterocarpus rotundifolia*, *Olea europaea* subsp *africana*, *Combretum padoides*, *Combretum apiculatum*, *Combretum zeyheri*, *Sclerocarya birrea* (protected), *Peltophorum africanum*, *Pappea capensis*, *Strychnos madagascariensis* and *Dombeya rotundifolia*.

No Red Data Listed (RDL) or endemic species were recorded and the potential of such taxa being present is low. This woodland has a *High* ecological importance as it is in a natural state with a diverse vegetation assemblage and it provide habitat for reptiles, birds and mammals.

ii) Plains woodland

This community can be described as a closed woodland community of tall shrubs and medium to tall trees. Commonly found species are: *Acacia nigrescens*, *Dichrostachys cinerea*, *Sclerocarya birrea* ssp. *caffra*, *Combretum collinum*, *Combretum apiculatum*, *combretum zeyheri*, *Strychnos madagascariensis*, *Lannea disolor*, *Peltophorum africanum*, *Euphorbia ingens* and *Terminalia sericea*. Many of the trees of this community are fruit bearing and thus of ecological importance. Shrubs are diverse and include *Euclea crispa*, *Euclea divinorum*, *Gymnosporia glaucophylla*, *Flueggea virosa* and *Ochna natalitia*. The areas consisting of this community have a significant diversity of vegetation and related faunal potential - the sensitivity is rated as *High*.

iii) Riparian thickets

This zone can be described as a riverine thicket found on stream and river banks of the study area. Characteristic Lowveld riparian trees (*Obligate* riparian indicator species) are present. These include *Ficus sycomorus*, *Diospyros mespiliformis*, *Breonadia salicina*, *Combretum erythrophyllum*, *Dalbergia armata*, *Bridelia micrantha* and *Acacia robusta* ssp *clavigera*. The tall tree component includes exceptional large specimens of *Ficus sycomorus* and *Diospyros mespiliformis*, with a height of up to 20m being reached. Smaller trees include *Acacia robusta* ssp *clavigera*, *Trichilia emetica* and *Combretum imberbe*. *Acacia schweinfurthii*, *Hippobromus pauciflorus* and *Croton megalobotrys* are found on the edge.

This community has been degraded in some areas due to encroaching cultivated lands and tree felling as well as natural phenomena such as more recent floods (e.g. 2000ad). This community has very important stabilizing and ecological functions and has a *High* sensitivity rating.

iv) Cultivated lands

The lower lying valleys as well as plateaus on the higher areas have been transformed to producing fruit producing fruit and crops due to the climate and availability of water. Only fragments of natural vegetation remain intact due to the transformation. Furthermore, the orchards are regularly sprayed with pesticides and are chemically fertilized. As result of these impacts, these areas are low in biodiversity and all of these areas' sensitivity rating is *Low*.

4.2 Occurrence of important flora species

Conservation-important, naturally occurring species can be categorized according to specific features that are important, usually due to rarity, habitat specificity, medicinal value, ecological value, endemism, over-exploitation, economic value or a combination of these. Species of conservation importance are either categorized as Red Data Listed species (RDL species), according to specific scientifically researched criteria and administered by the South African National Biodiversity Institute (SANBI), or as Protected Trees and Plants by the national forests and the provincial nature conservation legislation. The National List for Red Data flora (2007) is the most updated and applicable reference for vegetation conservation in Mpumalanga. Applicable legislation that protect flora in South Africa and specifically in Mpumalanga Province are the National Environmental Management Biodiversity Act of 2004 (NEMBA), the Mpumalanga Nature Conservation Act of 1998 (MNCA) and the National Forests Act of 1998 (NFA). Four legally protected tree species were found during the field surveys: *Breonadia salicina*, *Pterocarpus angolensis*, *Combretum imberbe* and *Sclerocarya birrea*. Permits will have to be obtained from the Department of Water Affairs and Forestry, and/or the Mpumalanga Tourism and Parks Agency, if legally protected trees or plant species are to be removed or destroyed.

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By using biophysical features of available habitats and using the results of field searches the possibility of RDL species occurring on site were assessed (Table 2.1). Four RDL species were identified in the affected area (Table 2.1)

Table 2.1 National RDL species potential for the relevant quarter degree grid (2531DA)

Species	National Status	Habitat preference	Recorded
<i>Acridocarpus natalitus</i>	Near threatened	Forest, thickets, outcrops, Drainage lines.	
<i>Adenia gumnifera</i>	Declining	Bushveld habitats. Outcrops.	Riparian thicket
<i>Aloe kniphofioides</i>	Near threatened	Grassland habitats.	
<i>Aloe simii</i>	Critically endangered	Tall, open grassland. Above altitude 900m	
<i>Ansellia africana</i>	Declining	Bushveld, epiphyte	
<i>Boophane disticha</i>	Near threatened	Several habitat types. Prefers higher altitude grassland.	
<i>Brachystelma chlorozonum</i>	Vulnerable	Bushveld habitats.	
<i>Crinum macowanii</i> Baker	Declining	Riparian and moist areas	Riparian zone
<i>Elaeodendron transvaalense</i>	Near Threatened	Expected in natural bushveld;	
<i>Encephalartos laevifolius</i>	Critically endangered	Adaptable to several habitat types. Prefers higher altitude grassland.	
<i>Eriosema naviculare</i>	Endangered	Expected in natural bushveld;	
<i>Hypoxis hemerocallidea</i>	Declining	Prefers higher altitude grassland.	Woodland
<i>Ilex mitis</i> var. <i>mitis</i>	Declining	Forest, thicket and riparian areas	Riparian zone
<i>Merwilla plumbea</i>	Declining	Grassland	
<i>Protea parvula</i>	Near threatened	Prefers higher altitude grassland.	
<i>Protea comptonii</i>	Near threatened	Prefers higher altitude grassland.	
<i>Protea curvata</i>	Vulnerable	Prefers higher altitude grassland.	
<i>Siphonochilus aethiopicus</i>	CR	Forests	

Also of conservation importance is the occurrence of alien invasive species and weeds. Such species are listed in the Conservation of Agricultural Resources Act of 1983 (CARA) and the Mpumalanga Conservation Act (1998). The control by landowners of the presence and spreading of such species are regulated by these Acts. Several important exotic species are present and most of the natural habitats contain alien invader species (Table 2.2).

Table 2.2 Aliens, weeds and exotics, CARA categories are indicated where applicable

Name	Legislation	Status	Comments / GPS reference
<i>Dichrostachys cinerea</i>	CARA	Declared	Bush encroachment
<i>Acacia ataxacantha</i>	CARA	Declared	Bush encroachment
<i>Ricinus communis</i>	CARA	Declared	Category 2 weed/invader
<i>Eucalyptus sp</i>	CARA	Declared	Category 2 weed/invader
<i>Solanum mauritanum</i>	CARA	Declared	Category 1 weed/invader
<i>Lantana camara</i>	CARA	Declared	Category 1 weed/invader
<i>Melia azedarach</i>	CARA	Declared	Category 3 weed/invader
<i>Tecoma stans</i>	CARA	Declared	Category 3 weed/invader
<i>Cardiospermum grandiflorum</i>			
<i>Morus alba</i>			

5. Terrestrial Fauna Report

5.1 Amphibians

Frogs will utilize the aquatic and terrestrial habitats on the property for several reasons, including breeding purposes. Essential habitats for the survival of frogs on the property include the stream, wetlands and thickets. Frogs are rather sensitive to pollution and ecological imbalances, thus the presence of frogs indicate that the habitats where they were recorded are healthy and of good ecological integrity.

Thirty frog species' range of distribution includes the study area, none of these have Red Data status (Appendix 3, Table 1). Only one species, the yellow-striped reed frog (*Hyperolius semidiscus*), is regarded as endemic. However, it is not anticipated that these species will be negatively affected if given the necessary protection and habitat conservation. The anticipated impacts on RDL and sensitive frogs and their habitats are assessed in section 6.

5.2 Reptiles

The terrestrial and arboreal habitats present will provide habitat for a diverse group of reptiles (Appendix 3, Table 2). According to Branch (1998), 98 species of reptiles can potentially occur in the Nelspruit area. Four RDL species are expected (Table 3). Three Endemic species are expected in the study area: Haacke's Flat Gecko *Afroedura (multiporis) haackei*, (provincial Endangered status), Barberton Girdled Lizard *Cordylus warreni barbertonensis* and Wilhelm's Flat Lizard *Platysaurus wilhelmi* (Table 3). All of these have a limited range of distribution roughly covering the area between Nelspruit, Barberton, Malelane and the southerly Kruger National Park.

The reptile survey indicates that especially the rocky habitats are of high importance to reptiles, however all natural habitats will be utilized by reptiles on this property. Several important lizard species, is present on the rocky areas. However, it is not anticipated

that these species will be negatively affected if given the necessary protection and habitat conservation. The anticipated impacts on RDL and sensitive reptiles and their habitats are assessed in section 6.

Table 3 Important reptiles of the study area.

Common name	Scientific name	Occur- rence Potential	SA Red Data status	Endemism
Giant Legless Skink	<i>Acontias plumbeus</i>	Possible		Southern A
Haacke's Flat Gecko	<i>Afroedura (multiporis) haackei</i>	Possible		Mpumalanga
Flap-neck Chamaeleon	<i>Chamaeleo dilepis</i>	Possible		
	<i>Cordylus (warreni) barbertonensis</i>	Possible		Mpumalanga
Barberton Girdled Lizard	<i>Cordylus tropidosternum</i>	Possible		
Tropical Girdled Lizard	<i>Cordylus vittifer</i>	Possible		Southern A
Southern Brown Egger	<i>Dasypeltis inornata</i>	Unlikely		Southern A
Leopard Tortoise	<i>Geochelone pardalis</i>	Possible		
Natal Hinged Tortoise	<i>Kinixys natalensis</i>	Unlikely	RARE	Southern A
Speke's Hinged Tortoise	<i>Kinixys spekii</i>	Unlikely		
Spotted House Snake	<i>Lamprophis guttatus</i>	Possible		S A
	<i>Leptotyphlops conjunctus conjunctus</i>	Possible		Southern A
Cape Thread Snake	<i>Leptotyphlops distanti</i>	Possible		Southern A
	<i>Lycodonomorphus laevissimus</i>	Unlikely		SA
Dusky-bellied Water Snake	<i>Lycophidion variegatum</i>	Possible	Peripheral	Southern A
Variegated Wolf Snake	<i>Lygodactylus ocellatus</i>	Unlikely		Southern A
Spotted Dwarf Gecko	<i>Pachydactylus affinis</i>	Possible		Southern A
Transvaal Thick-toed Gecko	<i>Pachydactylus vansonii</i>	Possible		Southern A
Van Son's Thick-toed Gecko	<i>Platysaurus (intermedius) wilhelmi</i>	Possible		Mpumalanga
Wilhelm's Flat Lizard	<i>Prosymna sundevalli</i>	Unlikely		Southern A
Sundevall's shovel snout	<i>Python natalensis</i>	Possible	Vulnerable	
Hewitt's Dwarf Burrowing Skink	<i>Scelotes breviceps</i>	Possible		Southern A
Bibron's Blind Snake	<i>Typhlops bibronii</i>	Unlikely		Southern A
Rock Monitor	<i>Varanus albigularis</i>	Possible		
Water Monitor	<i>Varanus niloticus</i>	Unlikely		
Nile Crocodile	<i>Crocodylus niloticus</i>	Possible	Vulnerable	

5.3 Mammals

Several species of small to medium sized mammals will utilize the natural habitats on the property (Appendix 3, Table 3). The largest species expected to be present are common duiker, red duiker and bushbuck. Fifteen mammals categorized as Red Data

may be found in the study area. A further 16 species are listed as "Data Deficient" (DD). It should be noted that "Data Deficient" is not a category of threat. A taxon is listed in this category when there is inadequate information to make a direct or indirect assessment of its risk of extinction based on its distribution and/or population status (Friedman & Daly 2004). The Red Data listed mammals are given in Table 4.

Table 4 Red Data listed mammals of the study area (Friedman & Daly, 2004); NT=Near threatened; VU=Vulnerable; CR=Critically endangered; DD=Data deficient

Scientific name	Common name	SA Red Data Status	Permanent occurrence	Motivation
<i>Atelerix frontalis</i>	SA Hedgehog	NT	Likely	Habitat inadequate
<i>Crocidura cyanea</i>	Reddish-grey musk shrew	DD	Possible	Habitat adequate
<i>Cloeotis percivali</i>	Short-eared trident bat	CR	Unlikely	Associated with caves
<i>Crocidura flavescens</i>	Greater Red musk shrew	DD	Possible	Habitat adequate
<i>Crocidura fuscomurina</i>	Tiny musk shrew	DD	Possible	Habitat adequate
<i>Crocidura hirta</i>	Lesser red musk shrew	DD	Unlikely	Not preferred habitat
<i>Crocidura marquensis</i>	Swamp musk shrew	DD	Unlikely	Habitat inadequate
<i>Crocidura silacea</i>	Lesser grey-brown musk shrew	DD		
<i>Dasymys incomtus</i>	Water rat	NT	Unlikely	Habitat inadequate
<i>Elephantulus brachyrhynchus</i>	Short snouted elephant shrew	DD	Unlikely	Habitat inadequate
<i>Epomophorus gambianus crypturus</i>	Peter's (Gambian) fruit bat	DD	Possible	Habitat adequate
<i>Graphiurus platyops</i>	Rock dormouse	DD	Possible	Habitat adequate
<i>Hipposideros caffer</i>	Sundevall's leaf-nosed bat	DD	Unlikely	Associated with caves
<i>Lemniscomys rosalia</i>	Single striped mouse	DD	Unlikely	Habitat inadequate
<i>Leptailurus serval</i>	Serval	NT	Unlikely	Habitat inadequate
<i>Lutra maculicollis</i>	Spotted-necked otter	NT	Unlikely	Habitat absent
<i>Manis temminckii</i>	Pangolin	VU	Possible	Habitat adequate
<i>Mellivora capensis</i>	Honey badger	NT	Possible	Habitat adequate
<i>Miniopterus schreibersii</i>	Schreiber's long fingered bat	NT	Unlikely	Associated with caves
<i>Myotis tricolor</i>	Temminck's bat	NT	Unlikely	Associated with caves
<i>Paracynictis selousi</i>	Selous' mongoose	DD	Unlikely	Habitat inadequate
<i>Pipistrellus rusticus</i>	Rusty bat	NT	Unlikely	Associated with rivers
<i>Poecilogale albiucha</i>	African weasel	DD	Unlikely	Prefers grassland
<i>Rhinolophus blasii</i>	Peak saddle horseshoe bat	VU	Unlikely	Associated with caves
<i>Rhinolophus clivosus</i>	Geoffroy's horseshoe bat	NT	Possible	Habitat adequate
<i>Rhinolophus darlingii</i>	Darling's horseshoe bat	NT	Unlikely	Associated with caves

<i>Suncus infinitesimus</i>	Least dwarf shrew	DD	Unlikely	Associated with termitaria
<i>Suncus lixus</i>	Lesser dwarf shrew	DD	Unlikely	Habitat inadequate
<i>Tatera leucogaster</i>	Bushveld gerbil	DD	Unlikely	Habitat inadequate

A total of 12 Red Data mammal species range of distribution falls in the study area of which three can possibly utilize the available habitats on the property. Of these, only the honey badger is possibly present and will use all the natural habitats on site.

The mobility of most mammals will ensure that they can adapt or relocate if disturbed by the activities. Furthermore, it is not anticipated that these species will be negatively affected if given the necessary protection and habitat conservation. The anticipated impacts on RDL and sensitive reptiles and their habitats are assessed in section 6.

5.4 Invertebrate Report

i) Invertebrates - Excluding Butterfly families

Potentially, the natural habitats on site will offer refuge to all invertebrate groups with the available habitats on site. This consists of a large number of species for which field searches are too extensive to be accommodated for the present study. Picker *et. al.* (2002) can be referred to so as to get an idea of the large amount of invertebrate diversity that can be expected in the study area.

ii) Invertebrates – Butterflies

The habitats present have the potential to support approximately 275 species of butterflies. Cross-referenced larval host plants and prey items, a total of approximately 175 species may be present at one time or another. Due to the dynamic mobility of butterflies, any of these species has the potential to be present at a given time, although variable conditions will be a limiting factor. No Red Data Listed species are expected in the study area.

5.5 Pollinators

Pollinators provide an essential ecosystem service that result in the out-crossing and sexual reproduction of many plants. They benefit society by increasing food security in agricultural and natural ecosystem and they play an important role in conserving biological biodiversity (Eardly *et. al.* 2006). Pollinator diversity includes an immense range of fauna, ranging from the tiniest invertebrates to relatively large vertebrates. Often, pollinators form part of a highly specific niche in pollinator-plant relationships and the ecosystem integrity as a whole. Examples of plant specific pollinators that will occur in the study area include hawk moths of the family Sphingidae, fig wasps of the family Agaonidae. Other important pollinators recorded on site include ants, beetles, butterflies, bees and flies as well as birds (including three species of sunbirds). The loss of a single important habitat requirement (e.g. hides and cover objects, larval hosts, availability of water, etc.) for pollinators in an ecosystem could have far reaching effects, ultimately resulting in extinction. Fragmentation of habitats will undoubtedly also have a

negative impact on the occurrence and distribution of pollinators and consequently on the genetic and population integrity of ecosystems. The successful survival of pollinators is thus further motivation for the conservation of undisturbed and unimpaired, interconnected ecological corridors crossing property boundaries in local areas.

6. Impact assessment of alternatives

6.1 Impact assessment: Vegetation and habitats

Due to the required vegetation removal for ESKOM power lines the impact on vegetation will vary according to the structure of the vegetation community. A servitude (corridor) of 32m wide is required for a single 132kV distribution line. In dense (closed) and medium to high vegetation communities the practice will be to remove all the vegetation across the servitude width for fear of damage due to falling trees and accidental fires and power failures. Loss of habitat will thus be of a much higher magnitude in woodlands and especially forests as compared to grasslands where the structure is short with no or minimal emergent trees. The same approach is used for assessing the potential loss of RDL and important species. The proposed alignment alternatives are located largely in similar vegetation units (habitats) which will include a homogenous range of flora. The dominant vegetation unit for a specific locality is also closely related to the topographic features and altitude and is thus regarded within the same assessment.

In order to quantify the potential impact of each alternative on vegetation, it is necessary to design a *significance index for vegetation* that quantifies the importance of specific aspects that have the potential of being negatively affected (as explained in section 2.4). By using the criteria as explained in section 2.5 and in the previous paragraph the weight factor will include aspects such as quality and sensitivity of the habitat as well as the potential presence of RDL species. Please note that the quantitative measurement used for all the units is the distance in kilometers (km) or the number of riparian crossings. The different vegetation units/habitats and their weight factors as well as their significance rating are calculated and by method of applying a score to the hierarchy of significance of impacts on a scale of 1 to 5, it is possible to make an alignment recommendation based on quantitative analyses (Table 6.1).

In view of the above results, the anticipated significance of the relevant impacts is assessed as follows. The significance ratings calculated in the previous section are used in comparison and the potential impacts for each alignment alternative are summarized. The potential of aligning each alternative to avoid or minimize impacts for sensitive vegetation habitats within the corridor is the major mitigation measure that was considered. By method of applying a score to the hierarchy of significance of impacts on a scale of 1 to 5, it is possible to make an alignment recommendation based on quantitative analyses.

Table 6.1 Assessment of impacts on natural vegetation and habitats, including proposed mitigation measures. General mitigation measures that are applicable to all the alternatives are listed in section 7.

Alternative	Distance (km) or number crossings	Weight	Affected Habitat	Impact Description	Recommendations and Mitigation		Score
					Impact before Mitigation	Significance after mitigation	
01	10.7	3	32.1	Natural woodland	Fragmentation of habitat. Loss of important flora species.	High <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Make use of existing access roads.Alignment alongside existing linear infrastructure (e.g. roads, power lines)	Medium 3
	3		Major Riparian crossings	Fragmentation of habitat.	High <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Make use of already disturbed sites for riparian crossings.	Low 0	
6	2	12	Secondary riparian crossings	Loss of habitat.	Medium <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Make use of already disturbed sites for riparian crossings.	Low 2	
Total	6.0						5
02	22.9	3	68.7	Natural woodland	Fragmentation of habitat. Loss of important flora species.	High <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Alignment alongside existing linear infrastructure (e.g. roads, power lines)	High 5
	6	3	18	Major Riparian crossings	Fragmentation of habitat.	High <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Make use of already disturbed sites for riparian crossings.	High 5
4	2	8	Secondary riparian crossings	Loss of habitat.	Medium <ul style="list-style-type: none">Minimize loss and disturbance of natural habitat by aligning from high ground to high ground.Make use of already disturbed sites for riparian crossings.	Low 2	
Total	22.4						12

Table 6.1 indicates that alignment Alternative 01 has the lowest significance rating on vegetation and habitats.

The loss and modification of important habitats can only be minimized by firstly aligning the servitude to make use of existing access roads and disturbed areas and avoiding sensitive habitats, and secondly by placing of the structures/poles on pre-selected sites of low floral importance. The loss of individual plants of importance can also be minimized by the above measures and site selection must be done prior to construction with the aid of a specialist.

6.2 Impact assessment: Terrestrial fauna

The possibility exists that several of the important fauna species identified in section 5, may occur in the alternative servitudes. However, due to the mobility of most terrestrial fauna, it is not anticipated that any of the taxa will be directly threatened by the activities. The animals can move away when disturbed and can return to the general area hence the termination of construction. The major impact on terrestrial fauna is expected to result from fragmentation of habitat. Impact on terrestrial fauna and important species can be minimized by firstly aligning the servitude to make use of existing access roads and disturbed areas and avoiding sensitive habitats (e.g. rocky outcrops and wetlands), and secondly by placing of the structures/poles on pre-selected sites of low faunal importance.

The assessment tables indicate that alignment Alternative 01 has the lowest significance on fauna (Table 6.2).

Table 6.2 Anticipated extents of impacts on important terrestrial fauna and their relevant habitats. General mitigation measures that are applicable to all the alternatives are listed in section 7.

Alignment Alternative	Taxa	Impact Significance before mitigation	Impacts description	Recommendations and mitigation	Impact Significance after mitigation	Score
Alternative 01	Frogs	Low	No significant impacts are anticipated.	Minimize loss of natural habitat.	Low	1
	Reptiles	Medium	Loss of habitat. Disturbance as well as killing of serpentines by uneducated crews.	Crews must be educated to the value of biodiversity and not to disturb or kill wild animals. Select the alternative alignment with the least significant impact.	Low	2
	Mammals	Medium	Loss of habitat and creation of breaks in continuity of biodiversity corridors	Minimize loss of natural habitat. Make use of existing access roads. Select the alternative alignment with the least significant impact.	Low	2
	Terrestrial Invertebrates	Low	No significant impacts are anticipated	Minimize loss of natural habitat. Make use of existing access roads.	Low	0
	Butterflies	Low	No significant impacts are anticipated	Minimize loss of natural habitat.	Low	0
	Total					7
Alternative 02	Frogs	Low	No significant impacts are anticipated.	Minimize loss of natural habitat.	Low	1
	Reptiles	High	Loss of habitat. Disturbance as well as killing of serpentines by uneducated crews.	Adequate mitigation is not practicable. Alternative alignment recommended.	High	5
	Mammals	High	Loss of habitat and creation of breaks in continuity of biodiversity corridors	Adequate mitigation is not practicable. Alternative alignment recommended.	High	5
	Terrestrial Invertebrates	Low	No significant impacts are anticipated	Minimize loss of natural habitat.	Low	0
	Butterflies	Low	No significant impact are anticipated	Make use of existing access roads.	Low	0
	Total					11

6.3 Conclusion and alignment alternative recommendation

The investigation has determined that several different habitats and a diverse range of biota may be affected by any one of the alternative alignments. Due to the disturbed nature of the substation sites no significant impacts are anticipated on any of the substation servitudes.

In the previous sections (6.1-6.2) the significance of anticipated impacts has been evaluated and recommendations and deductions could be made. If these findings are correlated with the different alignment alternatives, the cumulative impacts are inferred and a definite alignment recommendation can be made (Table 6.4).

Table 6.4 Cumulative Impact Assessment and alternative recommendation

Alternative Alignment	Impacts on natural vegetation and habitats	Impacts on terrestrial fauna	Cumulative Score
1	5	7	12
2	12	11	23
Recommended alternative alignment			Alternative 01

7. Recommendations and mitigation

The biodiversity investigation indicates that each alignment alternative vary in sensitivity from a *Low* to a *High* rating depending on specific aspects and features. **Alignment alternative 01 is recommended for the total length of the power line.**

With adequate mitigation the anticipated impacts on biodiversity can be controlled and reduced to a satisfactory level to ensure a minimal affect on biodiversity. The following preventative and mitigation measures must be incorporated with the planning, construction and operational phases of the power line (refer also to Fig. 1).

1) Planning Phase

- The proponent must be committed to a conservation approach during the planning phase;
- Sensitive habitats must be avoided or least sensitive crossings must be used as mitigation (Fig. 1);
- The significance of potential impacts on biodiversity can be mitigated by aligning the alternatives alongside existing power lines and roads and by considering easy access.
- Where conservation areas have to be crossed or are affected, the alternatives must be aligned onto the boundaries where possible.
- Riparian vegetation at river crossings must be avoided altogether where possible by bypassing or by suspending the lines across from high ground to high ground. If this is not achievable such habitats must only be

disturbed where absolutely necessary and prominent trees must be avoided. It is recommended that only a minimal opening, large enough for the lines to cross without interference is created in such areas;

- The necessary plant destruction permits must be obtained from the regulating authorities prior to construction;
- A specialist must assist the surveyor to ensure that the above recommendations are followed;

2) Construction Phase

- The proponent must be committed to a conservation approach of practice and the actual footprint of construction/disturbance must be kept to a minimum;
- Construction by helicopter is advised in areas where earthworks and construction of access roads may result in erosion or unnecessary environmental damage.
- As much of the natural environment must be conserved (minimal construction of access roads and bush clearing);
- Relocation of important species, identification and demarcation of specimens and sub-habitats not to be disturbed will have to be done beforehand by a specialist;
- Important species (fauna as well as flora) that will be threatened by the development must be relocated to safer habitats by suitable specialists;
- Preventative erosion control measures to be put in place;

3) Operational Phase

- Maintenance crews must be educated with regards of the importance of biodiversity;
- Maintenance of the lines and servitudes must be done in such a manner to conserve vegetation and create as least disturbance as possible and servitudes must be cleared of invasive vegetation;
- The operational phase must be monitored by ESKOM environmental officials to ensure that adequate mitigation measures are in place and to take reactive measures in places where impacts pose problematic.

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APPENDIXES

APPENDIX 1: REGIONAL MAPS

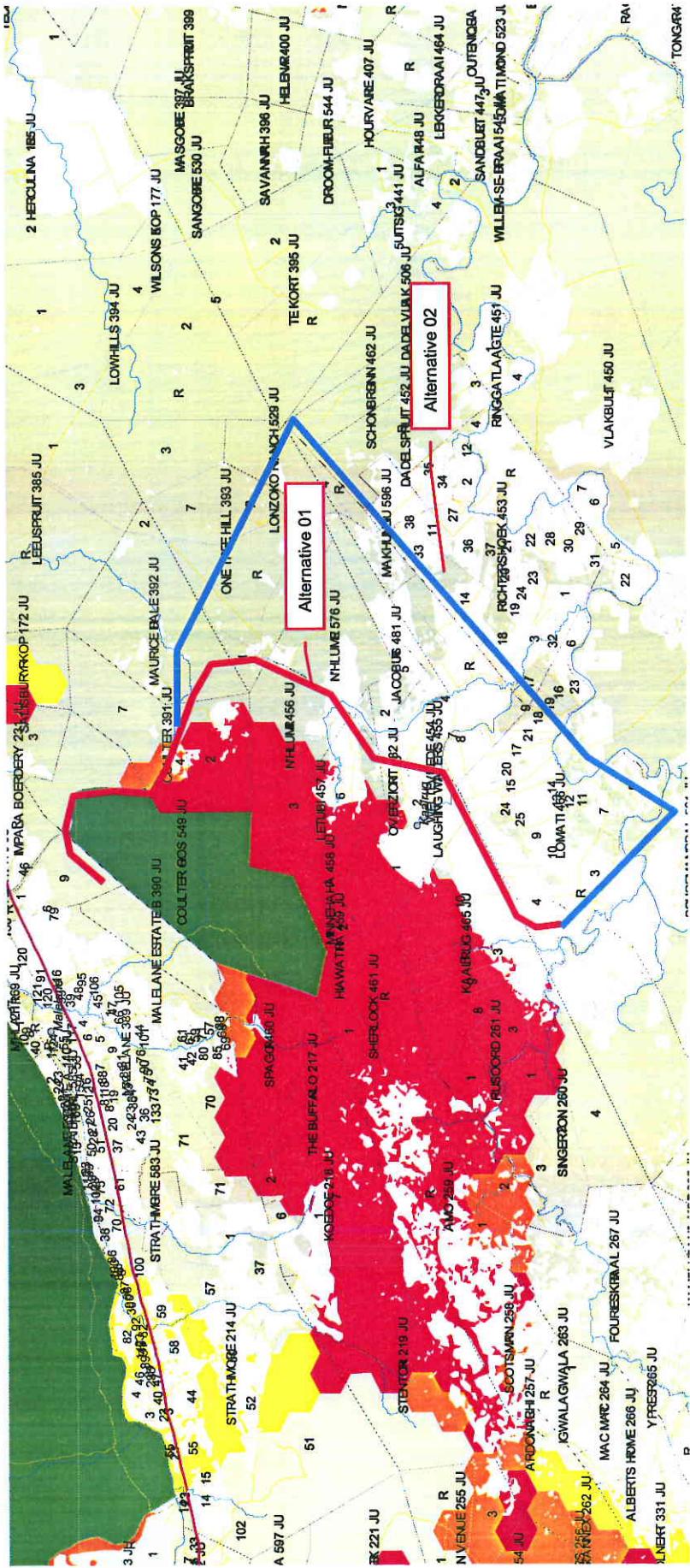
APPENDIX 2: ILLUSTRATIONS

APPENDIX 3: VEGETATION CHECKLIST

APPENDIX 4: FAUNA CHECKLISTS

Appendices

Appendix 1: Regional Maps



Proposed power line alternatives in relation to its biodiversity importance rating by the MBCP

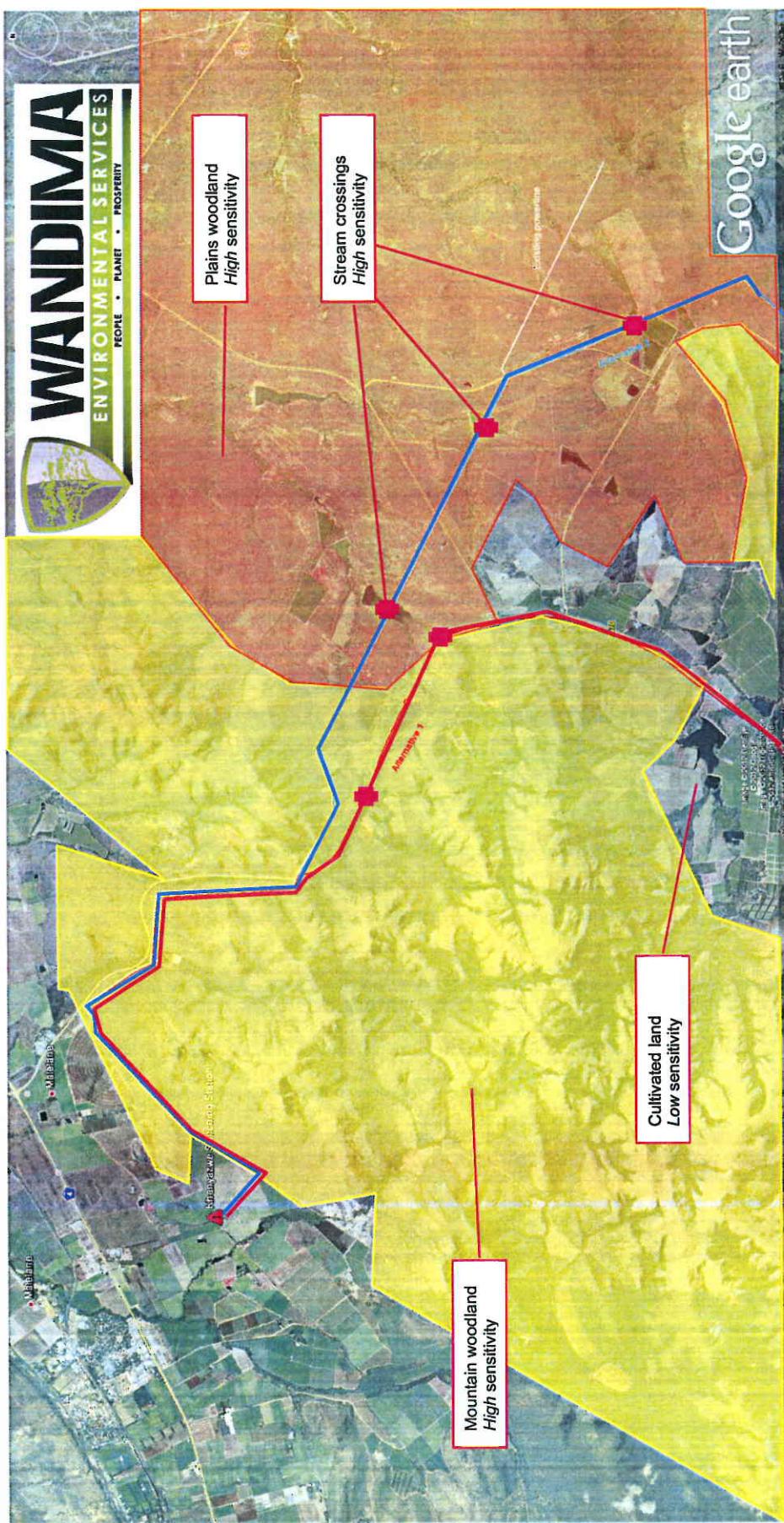


Fig.1.1 Biophysical delineation and biodiversity sensitivity zoning of the northern study area. Recommendations are given where appropriate. Uncoloured areas indicate areas of *Low concern*, e.g. degraded areas, transformed land and cultivated lands.

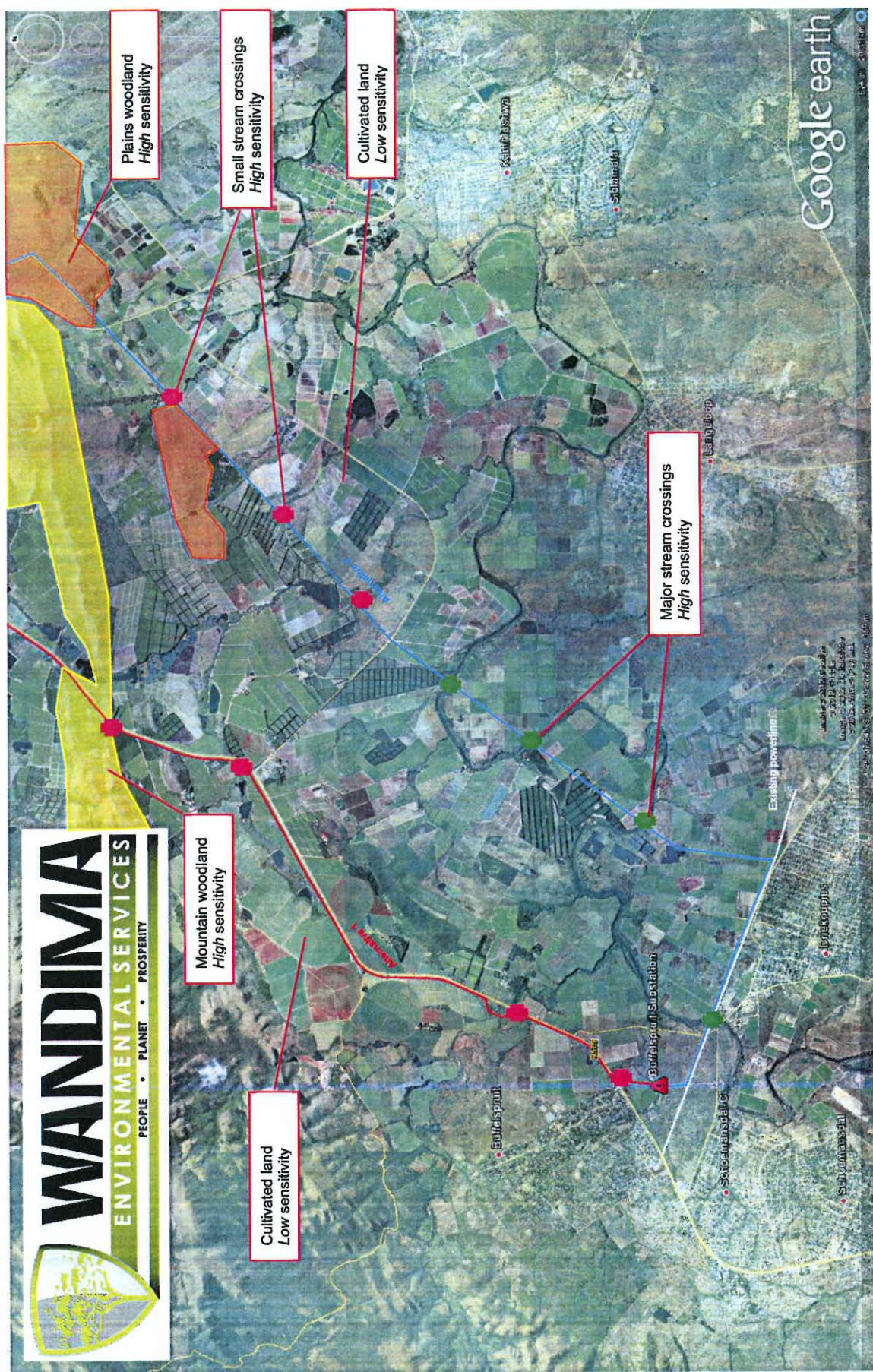
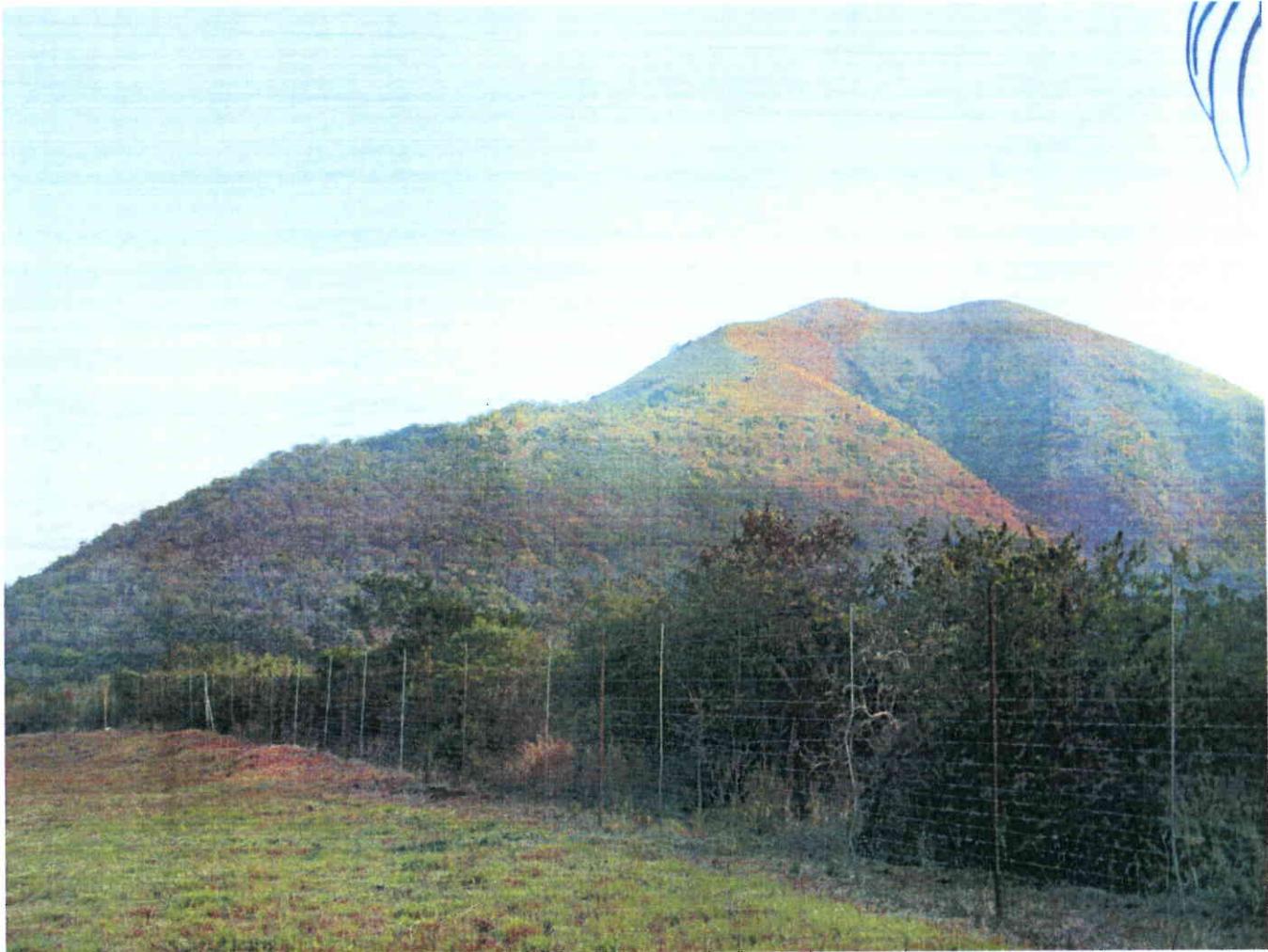


Fig.1.2 Biophysical delineation and biodiversity sensitivity zoning of the southern study area. Recommendations are given where appropriate. Uncoloured areas indicate areas of Low concern, e.g. degraded areas, transformed land and cultivated lands.

Appendix 2: Illustrations



The northern section is characterized by mountainous terrain with well wooded slopes and valleys. Both alternatives will affect this area. This area is conserved as the Dumaneni Nature Reserve.



Valley vegetation has been transformed to fruit orchards whilst the natural vegetation on the hills remains intact.



Smaller streams have to be crossed in this section.



The southern section is characterized by a patchwork of cultivated lands with only small fragments of natural vegetation remaining, these being mostly riparian areas. Both alternatives will cross through this section.



Due to the fertile soils, cultivated lands encroach right up to the riparian habitat.



The riparian vegetation consist of thickets of medium to tall trees which provide refuge to a wide range of fauna.



Alternative 02 will cross a significant distance through plains woodland.



Plains woodland consist of typical bushveld vegetation



Acacia sieberiana and *Dichrostachys cinerea* dominate areas that have been disturbed in the past.

Appendix 3: Vegetation checklist

Table 1 SANBI PRECIS Data checklist for the study area

Scientific Name	National Red Data Status	Protected Status	Vegetation Community
<i>Abrus laevigatus</i> E.Mey.			
<i>Abrus precatorius</i> L. subsp. <i>africanus</i> Verdc.			
<i>Acacia ataxacantha</i> DC.			
<i>Acacia caffra</i> (Thunb.) Willd.			
<i>Acacia davyi</i> N.E.Br.			
<i>Acacia gerrardii</i> Benth. subsp. <i>gerrardii</i> var. <i>gerrardii</i>			
<i>Acacia karroo</i> Hayne			
<i>Acacia robusta</i> Burch. subsp. <i>clavigera</i> (E.Mey.) Brenan			
<i>Acacia sieberiana</i> DC. var. <i>woodii</i> (Burtt Davy) Keay & Brenan			
<i>Acalypha caperonioides</i> Baill. var. <i>caperonioides</i>			
<i>Acalypha glandulifolia</i> Buchinger ex Meisn.	LC		
<i>Acalypha ornata</i> Hochst. ex A.Rich.			
<i>Acalypha peduncularis</i> E.Mey. ex Meisn.			
<i>Acalypha punctata</i> Meisn. var. <i>punctata</i>			
<i>Acalypha villicaulis</i> Hochst.			
<i>Acalypha wilmsii</i> Pax ex Prain & Hutch.			
<i>Acanthospermum australe</i> (Loefl.) Kuntze			
<i>Acanthospermum glabratum</i> (DC.) Wild			
<i>Achyranthes aspera</i> L. var. <i>aspera</i>			
<i>Achyranthes aspera</i> L. var. <i>sicula</i> L.			
<i>Achyropsis leptostachya</i> (E.Mey. ex Meisn.) Baker & C.B.Clarke			
<i>Acokanthera oppositifolia</i> (Lam.) Codd			
<i>Acokanthera rotundata</i> (Codd) Kupicha			
<i>Acridocarpus natalitius</i> A.Juss. var. <i>natalitius</i>			
<i>Acrotome hispida</i> Benth.			
<i>Acrotome thornicroftii</i> Skan	LC		
<i>Actiniopteris dimorpha</i> Pic.Serm. subsp. <i>dimorpha</i>			
<i>Actiniopteris radiata</i> (J.König ex Sw.) Link			
<i>Adenia digitata</i> (Harv.) Engl.			
<i>Adenia gummosa</i> (Harv.) Harms var. <i>gummosa</i>	Declining		
<i>Adenia hastata</i> (Harv.) Schinz var. <i>glandulifera</i> W.J.de Wilde			
<i>Adenostemma caffrum</i> DC. var. <i>caffrum</i>			
<i>Adiantum capillus-veneris</i> L.			
<i>Aeollanthus parvifolius</i> Benth.			
<i>Aeollanthus rehmannii</i> Gürke			
<i>Aerobryopsis capensis</i> (Müll.Hal.) M.Fleisch.			
<i>Aeschynomene micrantha</i> DC.			
<i>Aeschynomene nyassana</i> Taub.			
<i>Aeschynomene rehmannii</i> Schinz var. <i>leptobotrys</i> (Harms ex Baker f.) J.B.Gillett			
<i>Afrocanthium mundianum</i> (Cham. & Schltdl.) Lantz			
<i>Afrosciadium platycarpum</i> (Sond.) P.J.D.Winter			
<i>Agapanthus inapertus</i> P.Beauv. subsp. <i>hollandii</i>			

(F.M.Leight.) F.M.Leight.			
<i>Agapanthus inapertus</i> P.Beauv. subsp. <i>inapertus</i>			
<i>Agathisanthemum bojeri</i> Klotzsch subsp. <i>bojeri</i>			
<i>Agelanthus natalitus</i> (Meisn.) Polhill & Wiens subsp. <i>zeyheri</i> (Harv.) Polhill & Wiens			
<i>Agelanthus transvaalensis</i> (Sprague) Polhill & Wiens			
<i>Ageratum conyzoides</i> L.			
<i>Ageratum houstonianum</i> Mill.			
<i>Agrimonia procera</i> Wallr.			
<i>Agrostis montevidensis</i> Spreng. ex Nees			
<i>Albizia versicolor</i> Welw. ex Oliv.			
<i>Albuca setosa</i> Jacq.	LC		
<i>Alchemilla rehmannii</i> Engl.			
<i>Alectra orobanchoides</i> Benth.			
<i>Alectra sessiliflora</i> (Vahl) Kuntze var. <i>sessiliflora</i>			
<i>Alectra</i> sp.			
<i>Alectra vogelii</i> Benth.			
<i>Alepidea parva</i> Compton			
<i>Alepidea peduncularis</i> A.Rich.	DD		
<i>Alepidea setifera</i> N.E.Br.			
<i>Aleurites moluccana</i> (L.) Willd. var. <i>moluccana</i>			
<i>Allophylus melanocarpus</i> (Sond.) Radlk.			
<i>Alloteropsis semialata</i> (R.Br.) Hitchc. subsp. <i>eckloniana</i> (Nees) Gibbs Russ.			
<i>Alloteropsis semialata</i> (R.Br.) Hitchc. subsp. <i>semialata</i>			
<i>Aloe aculeata</i> Pole-Evans	LC		
<i>Aloe affinis</i> A.Berger	LC		
<i>Aloe arborescens</i> Mill.	LC		
<i>Aloe chortoliriores</i> A.Berger var. <i>woolliana</i> (Pole-Evans) Glen & D.S.Hardy	LC		
<i>Aloe dyeri</i> Schönland	LC		
<i>Aloe ecklonis</i> Salm-Dyck	LC		
<i>Aloe greatheadii</i> Schönland var. <i>davyana</i> (Schönland) Glen & D.S.Hardy	LC		
<i>Aloe kniphofioides</i> Baker	VU		
<i>Aloe marlothii</i> A.Berger subsp. <i>marlothii</i>	LC		
<i>Aloe marlothii</i> A.Berger subsp. <i>orientalis</i> Glen & D.S.Hardy	LC		
<i>Aloe petricola</i> Pole-Evans	LC		
<i>Aloe pretoriensis</i> Pole-Evans	LC		
<i>Aloe simii</i> Pole-Evans	CR		
<i>Aloe</i> sp.			
<i>Aloe spicata</i> L.f.	LC		
<i>Alternanthera sessilis</i> (L.) DC.			
<i>Alysicarpus rugosus</i> (Willd.) DC. subsp. <i>perennirufus</i> J.Léonard			
<i>Alysicarpus vaginalis</i> (L.) DC. var. <i>vaginalis</i>			
<i>Alysicarpus zeyheri</i> Harv.			
<i>Amaranthus dinteri</i> Schinz subsp. <i>dinteri</i> var. a			
<i>Amaranthus spinosus</i> L.			
<i>Amaranthus thunbergii</i> Moq.			

<i>Amaranthus viridis</i> L.			
<i>Ammannia baccifera</i> L. subsp. <i>baccifera</i>			
<i>Ampelopteris prolifera</i> (Retz.) Copel.			
<i>Anagallis huttonii</i> Harv.			
<i>Anagallis pumila</i> Sw.			
<i>Andrachne ovalis</i> (E.Mey. ex Sond.) Müll.Arg.			
<i>Andropogon appendiculatus</i> Nees			
<i>Andropogon chinensis</i> (Nees) Merr.			
<i>Andropogon eucomus</i> Nees			
<i>Andropogon huillensis</i> Rendle			
<i>Andropogon lacunosus</i> J.G.Anderson			
<i>Andropogon schirensis</i> Hochst. ex A.Rich.			
<i>Aneilema aequinoctiale</i> (P.Beauv.) Loudon			
<i>Aneilema brunneospermum</i> Faden			
<i>Aneilema hockii</i> De Wild.			
<i>Anemia dregeana</i> Kunze			
<i>Annesorhiza wilmsii</i> H.Wolff			
<i>Annona senegalensis</i> Pers. subsp. <i>senegalensis</i>			
<i>Anomodon pseudotristis</i> (Müll.Hal.) Kindb.			
<i>Ansellia africana</i> Lindl.	Declining		
<i>Antherotoma naudinii</i> Hook.f.			
<i>Anthocleista grandiflora</i> Gilg			
<i>Anthospermum herbaceum</i> L.f.			
<i>Anthospermum rigidum</i> Eckl. & Zeyh. subsp. <i>rigidum</i>			
<i>Antidesma venosum</i> E.Mey. ex Tul.			
<i>Apodolirion buchananii</i> Baker			
<i>Apodytes dimidiata</i> E.Mey. ex Arn. subsp. <i>dimidiata</i>			
<i>Arachis hypogaea</i> L.			
<i>Argemone ochroleuca</i> Sweet subsp. <i>ochroleuca</i>			
<i>Argyrolobium pseudotuberosum</i> T.J.Edwards			
<i>Argyrolobium speciosum</i> Eckl. & Zeyh.			
<i>Argyrolobium tomentosum</i> (Andrews) Druce			
<i>Argyrolobium tuberosum</i> Eckl. & Zeyh.			
<i>Argyrolobium wilmsii</i> Harms			
<i>Aristea angolensis</i> Baker subsp. <i>angolensis</i>			
<i>Aristea angolensis</i> Baker subsp. <i>pulchella</i> Weim.			
<i>Aristea flexicaulis</i> Baker			
<i>Aristea torulosa</i> Klatt			
<i>Aristida adscensionis</i> L.			
<i>Aristida congesta</i> Roem. & Schult. subsp. <i>barbicollis</i> (Trin. & Rupr.) De Winter			
<i>Aristida junciformis</i> Trin. & Rupr. subsp. <i>junciformis</i>			
<i>Aristida</i> sp.			
<i>Aristida transvaalensis</i> Henrard			
<i>Arundinella nepalensis</i> Trin.			
<i>Asclepias adscendens</i> (Schltr.) Schltr.			
<i>Asclepias affinis</i> (Schltr.) Schltr.			
<i>Asclepias aurea</i> (Schltr.) Schltr.			
<i>Asclepias crassinervis</i> N.E.Br.	LC		
<i>Asclepias cucullata</i> (Schltr.) Schltr. subsp. <i>cucullata</i>			

<i>Asclepias densiflora</i> N.E.Br.			
<i>Asclepias dregeana</i> Schltr. var. <i>dregeana</i>			
<i>Asclepias eminens</i> (Harv.) Schltr.	LC		
<i>Asclepias gibba</i> (E.Mey.) Schltr. var. <i>gibba</i>			
<i>Ascolepis capensis</i> (Kunth) Ridl.			
<i>Asparagus africanus</i> Lam.			
<i>Asparagus angusticladus</i> (Jessop) J.-P.Lebrun & Stork			
<i>Asparagus asparagooides</i> (L.) Druce			
<i>Asparagus cooperi</i> Baker			
<i>Asparagus edulis</i> (Oberm.) J.-P.Lebrun & Stork			
<i>Asparagus laricinus</i> Burch.			
<i>Asparagus macowanii</i> Baker			
<i>Asparagus virgatus</i> Baker			
<i>Aspidoglossum biflorum</i> E.Mey.			
<i>Aspidoglossum interruptum</i> (E.Mey.) Bullock			
<i>Asplenium aethiopicum</i> (Burm.f.) Bech. subsp. <i>aethiopicum</i>			
<i>Asplenium cordatum</i> (Thunb.) Sw.			
<i>Asplenium inaequilaterale</i> Willd.			
<i>Asplenium lobatum</i> Pappe & Rawson			
<i>Asplenium rutifolium</i> (P.J.Bergius) Kunze			
<i>Aster comptonii</i> W.Lippert			
<i>Aster harveyanus</i> Kuntze			
<i>Aster lydenburgensis</i> W.Lippert			
<i>Asterella wilmsii</i> (Steph.) S.W.Arnell			
<i>Astragalus atropilosulus</i> (Hochst.) Bunge subsp. <i>burkeanus</i> (Harv.) J.B.Gillett var. <i>burkeanus</i>			
<i>Athrixia phylloides</i> DC.			
<i>Baccharoides adoensis</i> (Sch.Bip. ex Walp.) H.Rob. var. <i>kotschyana</i> (Sch.Bip. ex Walp.) Isawumi, El-Ghazaly & B.Nord.			
<i>Barleria crossandriformis</i> C.B.Clarke			
<i>Barleria elegans</i> S.Moore ex C.B.Clarke			
<i>Barleria gueinzii</i> Sond.			
<i>Barleria meyeriana</i> Nees			
<i>Barleria ovata</i> E.Mey. ex Nees			
<i>Barleria rotundifolia</i> Oberm.			
<i>Basananthe sandersonii</i> (Harv.) W.J.de Wilde			
<i>Basananthe</i> sp.			
<i>Basananthe triloba</i> (Bolus) W.J.de Wilde			
<i>Bauhinia galpinii</i> N.E.Br.			
<i>Bauhinia natalensis</i> Oliv. ex Hook.			
<i>Becium obovatum</i> (E.Mey. ex Benth.) N.E.Br. subsp. <i>obovatum</i> var. <i>galpinii</i> (Gürke) N.E.Br.			
<i>Becium obovatum</i> (E.Mey. ex Benth.) N.E.Br. subsp. <i>obovatum</i> var. <i>obovatum</i>			
<i>Begonia sonderiana</i> Irmsch. var. <i>sonderiana</i>	LC		
<i>Begonia sutherlandii</i> Hook.f. subsp. <i>sutherlandii</i>			
<i>Behnia reticulata</i> (Thunb.) Didr.			
<i>Berchemia zeyheri</i> (Sond.) Grubov			
<i>Berkheya echinacea</i> (Harv.) O.Hoffm. ex Burtt Davy			

subsp. echinacea			
Berkheya insignis (Harv.) Thell.			
Berkheya latifolia J.M.Wood & M.S.Evans			
Berkheya robusta Bohnen ex Roessler			
Berkheya setifera DC.			
Berkheya sp.			
Berkheya zeyheri Oliv. & Hiern subsp. rehmannii (Thell.) Roessler var. rehmannii			
Berkheya zeyheri Oliv. & Hiern subsp. rehmannii (Thell.) Roessler var. rogersiana (Thell.) Roessler			
Berkheya zeyheri Oliv. & Hiern subsp. zeyheri			
Bersama transvaalensis Turrill			
Bewsia biflora (Hack.) Gooss.			
Bidens pilosa L.			
Bidens steppia (Steetz) Sherff var. steppia			
Blechnum punctulatum Sw. var. punctulatum			
Blechnum tabulare (Thunb.) Kuhn			
Blepharis maderaspatensis (L.) Roth			
Blepharis serrulata (Nees) Ficalho & Hiern			
Blepharis subvolubilis C.B.Clarke			
Blumea dregeanaoides Sch.Bip. ex A.Rich.			
Boerhavia diffusa L. var. diffusa			
Bonatea pulchella Summerh.			
Bothriochloa bladhii (Retz.) S.T.Blake			
Bothriochloa insculpta (Hochst. ex A.Rich.) A.Camus			
Bowkeria cymosa MacOwan			
Brachiaria bovonei (Chiov.) Robyns			
Brachiaria brizantha (A.Rich.) Stapf			
Brachiaria deflexa (Schumach.) C.E.Hubb. ex Robyns			
Brachiaria eruciformis (Sm.) Griseb.			
Brachiaria humidicola (Rendle) Schweick.			
Brachiaria nigropedata (Ficalho & Hiern) Stapf			
Brachiaria serrata (Thunb.) Stapf			
Brachiaria umbellata (Trin.) Clayton			
Brachiaria xantholeuca (Schinz) Stapf			
Brachycorythis pubescens Harv.			
Brachylaena transvaalensis E.Phillips & Schweick.			
Brachymenium acuminatum Harv.			
Brachymenium pulchrum Hook.			
Brachystelma bruceae R.A.Dyer subsp. bruceae			
Brachystelma bruceae R.A.Dyer subsp. hirsutum R.A.Dyer			
Brachystelma coddii R.A.Dyer			
Brachystelma filifolium (N.E.Br.) Peckover			
Brachystelma macropetalum (Schltr.) N.E.Br.			
Brachystelma oianthum Schltr.			
Brachystelma rubellum (E.Mey.) Peckover			
Brassica nigra (L.) W.D.J.Koch			
Breonadia salicina (Vahl) Hepper & J.R.I.Wood			
Bridelia cathartica G.Bertol. subsp. cathartica	LC		

<i>Bridelia cathartica</i> G.Bertol. subsp. <i>melanthesoides</i> (Baill.) J.Léonard var. <i>melanthesoides</i> forma <i>melanthesoides</i>			
<i>Bridelia micrantha</i> (Hochst.) Baill.			
<i>Bromus pectinatus</i> Thunb.			
<i>Brunsvigia radulosa</i> Herb.			
<i>Bryum apiculatum</i> Schwägr.			
<i>Bryum argenteum</i> Hedw.			
<i>Bryum capillare</i> Hedw.			
<i>Bryum pseudotriquetrum</i> (Hedw.) P.Gaertn., B.Mey. & Scherb.			
<i>Buchnera brevibractealis</i> Hiern			
<i>Buchnera dura</i> Benth.			
<i>Buchnera reducta</i> Hiern			
<i>Buellia perigrapta</i> (Stizenb.) Zahlbr.			
<i>Buellia punctata</i> (Hoffm.) A.Massal.			
<i>Bulbostylis burchellii</i> (Ficalho & Hiern) C.B.Clarke			
<i>Bulbostylis contexta</i> (Nees) M.Bodard			
<i>Bulbostylis densa</i> (Wall.) Hand.-Mazz. subsp. <i>afromontana</i> (Lye) R.W.Haines			
<i>Bulbostylis hispidula</i> (Vahl) R.W.Haines subsp. <i>pyriformis</i> (Lye) R.W.Haines			
<i>Bulbostylis oritrephe</i> s (Ridl.) C.B.Clarke			
<i>Burchellia bubalina</i> (L.f.) Sims			
<i>Caesalpinia decapetala</i> (Roth) Alston			
<i>Cajanus cajan</i> (L.) Millsp.			
<i>Callilepis laureola</i> DC.			
<i>Callilepis salicifolia</i> Oliv.			
<i>Callilepis</i> sp.			
<i>Calodendrum capense</i> (L.f.) Thunb.			
<i>Caloplaca ferruginea</i> (Huds.) Th.Fr.			
<i>Camptorrhiza strumosa</i> (Baker) Oberm.			
<i>Campylopus pyriformis</i> (F.W.Schultz) Brid.			
<i>Campylopus robillardei</i> Besch.			
<i>Campylopus savannarum</i> (Müll.Hal.) Mitt.			
<i>Canavalia ensiformis</i> (L.) DC.			
<i>Canavalia gladiata</i> (Jacq.) DC. var. <i>gladiata</i>			
<i>Canavalia rosea</i> (Sw.) DC.			
<i>Canavalia virosa</i> (Roxb.) Wight & Arn.			
<i>Candelaria concolor</i> (Dicks.) Stein			
<i>Canna x generalis</i> L.H.Bailey			
<i>Canthium inerme</i> (L.f.) Kuntze			
<i>Capparis tormentosa</i> Lam.			
<i>Cardiospermum corindum</i> L.			
<i>Cardiospermum halicacabum</i> L. var. <i>halicacabum</i>			
<i>Cardiospermum halicacabum</i> L. var. <i>microcarpum</i> (Kunth) Blume			
<i>Carex spicato-paniculata</i> C.B.Clarke			
<i>Carissa bispinosa</i> (L.) Desf. ex Brenan subsp. <i>bispinosa</i>			
<i>Cassia abbreviata</i> Oliv. subsp. <i>beareana</i> (Holmes) Brenan			

<i>Cassinopsis ilicifolia</i> (Hochst.) Kuntze			
<i>Cassytha filiformis</i> L.			
<i>Catha edulis</i> (Vahl) Forssk. ex Endl.	LC		
<i>Catunaregam spinosa</i> (Thunb.) Tirveng. subsp. <i>spinosa</i>			
<i>Celosia trigyna</i> L.			
<i>Cenchrus ciliaris</i> L.			
<i>Centella asiatica</i> (L.) Urb.			
<i>Cephalanthus natalensis</i> Oliv.			
<i>Cephalaria pungens</i> Szabó			
<i>Cephalomanes rigidum</i> (Sw.) K.Iwats.			
<i>Ceratodon purpureus</i> (Hedw.) Brid. subsp. <i>stenocarpus</i> (Bruch & Schimp. ex Müll.Hal.) Dixon			
<i>Ceratotheca sesamoides</i> Endl.			
<i>Ceratotheca triloba</i> (Bernh.) Hook.f.			
<i>Ceropegia ampliata</i> E.Mey. var. <i>ampliata</i>			
<i>Ceropegia carnosa</i> E.Mey.			
<i>Ceropegia haygarthii</i> Schltr.			
<i>Chaenostoma floribundum</i> Benth.			
<i>Chaetacanthus burchellii</i> Nees			
<i>Chaetacanthus costatus</i> Nees			
<i>Chaetacanthus setiger</i> (Pers.) Lindl.			
<i>Chaetacanthus</i> sp.			
<i>Chamaecrista capensis</i> (Thunb.) E.Mey. var. <i>capensis</i>			
<i>Chamaecrista mimosoides</i> (L.) Greene			
<i>Chamaecrista plumosa</i> E.Mey. var. <i>plumosa</i>			
<i>Chascanum hederaceum</i> (Sond.) Moldenke var. <i>hederaceum</i>			
<i>Chascanum hederaceum</i> (Sond.) Moldenke var. <i>natalense</i> (H.Pearson) Moldenke			
<i>Cheilanthes concolor</i> (Langsd. & Fisch.) R.M. & A.F.Tryon			
<i>Cheilanthes hirta</i> Sw. var. <i>inferacampestris</i> W.& N.Jacobsen			
<i>Cheilanthes hirta</i> Sw. var. <i>nemorosa</i> W.& N.Jacobsen			
<i>Cheilanthes inaequalis</i> (Kunze) Mett. var. <i>buchananii</i> (Baker) Schelpe			
<i>Cheilanthes multifida</i> (Sw.) Sw.			
<i>Cheilanthes multifida</i> (Sw.) Sw. subsp. <i>lacerata</i> N.C.Anthony & Schelpe			
<i>Cheilanthes quadripinnata</i> (Forssk.) Kuhn			
<i>Cheilanthes viridis</i> (Forssk.) Sw. var. <i>glauca</i> (Sim) Schelpe & N.C.Anthony			
<i>Cheilanthes viridis</i> (Forssk.) Sw. var. <i>viridis</i>			
<i>Chenopodium album</i> L.			
<i>Chenopodium ambrosioides</i> L.			
<i>Chenopodium carinatum</i> R.Br.			
<i>Chironia krebsii</i> Griseb.			
<i>Chironia purpurascens</i> (E.Mey.) Benth. & Hook.f. subsp. <i>humilis</i> (Gilg) I.Verdi			
<i>Chloris pycnothrix</i> Trin.			
<i>Chloris virgata</i> Sw.			
<i>Chlorophytum angulicaule</i> (Baker) Kativu			

<i>Chlorophytum bowkeri</i> Baker			
<i>Chlorophytum fasciculatum</i> (Baker) Kativu			
<i>Chlorophytum galpinii</i> (Baker) Kativu var. <i>galpinii</i>			
<i>Chlorophytum krookianum</i> Zahlbr.			
<i>Chlorophytum recurvifolium</i> (Baker) C.Archer & Kativu			
<i>Choristylis rhamnoides</i> Harv.			
<i>Chortolirion angolense</i> (Baker) A.Berger			
<i>Christella dentata</i> (Forssk.) Holttum			
<i>Christella gueinziana</i> (Mett.) Holttum			
<i>Cissampelos mucronata</i> A.Rich.			
<i>Cissus fragilis</i> E.Mey. ex Kunth			
<i>Citropsis daweana</i> Swingle & Kellerm.			
<i>Clasmatocolea vermicularis</i> (Lehm.) Grolle			
<i>Clausena anisata</i> (Willd.) Hook.f. ex Benth. var. <i>anisata</i>			
<i>Cleistachne sorghoides</i> Benth.	LC		
<i>Clematis brachiata</i> Thunb.			
<i>Cleome monophylla</i> L.			
<i>Clerodendrum suffruticosum</i> Gürke var. <i>suffruticosum</i>			
<i>Cliffortia linearifolia</i> Eckl. & Zeyh.			
<i>Cliffortia repens</i> Schltr.			
<i>Cliffortia strobilifera</i> L.			
<i>Clivia caulescens</i> R.A.Dyer	NT		
<i>Clutia affinis</i> Sond.			
<i>Clutia monticola</i> S.Moore var. <i>monticola</i>			
<i>Clutia pulchella</i> L. var. <i>pulchella</i>			
<i>Cnestis polyphylla</i> Lam.			
<i>Coccinia adoensis</i> (A.Rich.) Cogn.			
<i>Coccinia palmata</i> (Sond.) Cogn.			
<i>Cocculus hirsutus</i> (L.) Diels			
<i>Coddia rudis</i> (E.Mey. ex Harv.) Verdc.			
<i>Colchicum longipes</i> (Baker) J.C.Manning & Vinn.			
<i>Colchicum melanoides</i> (Willd.) J.C.Manning & Vinn. subsp. <i>transvaalense</i> (U.& D.Müll.-Doblies) J.C.Manning & Vinn.			
<i>Colchicum striatum</i> (Hochst. ex A.Rich.) J.C.Manning & Vinn.			
<i>Coleochloa setifera</i> (Ridl.) Gilly			
<i>Combretum apiculatum</i> Sond. subsp. <i>apiculatum</i>			
<i>Combretum collinum</i> Fresen. subsp. <i>gazense</i> (Swynn. & Baker f.) Okafor			
<i>Combretum collinum</i> Fresen. subsp. <i>suluense</i> (Engl. & Diels) Okafor			
<i>Combretum collinum</i> Fresen. subsp. <i>taborense</i> (Engl.) Okafor	LC		
<i>Combretum erythrophyllum</i> (Burch.) Sond.			
<i>Combretum hereroense</i> Schinz			
<i>Combretum kraussii</i> Hochst.			
<i>Combretum molle</i> R.Br. ex G.Don			
<i>Combretum zeyheri</i> Sond.			
<i>Commelina africana</i> L. var. <i>africana</i>			
<i>Commelina africana</i> L. var. <i>krebsiana</i> (Kunth)			

<i>C.B.Clarke</i>			
<i>Commelina africana</i> L. var. <i>lancispatha</i> C.B.Clarke			
<i>Commelina benghalensis</i> L.			
<i>Commelina diffusa</i> Burm.f. subsp. <i>diffusa</i>			
<i>Commelina diffusa</i> Burm.f. subsp. <i>scandens</i> (Welw. ex C.B.Clarke) Oberm.			
<i>Commelina eckloniana</i> Kunth			
<i>Commelina erecta</i> L.			
<i>Commelina modesta</i> Oberm.			
<i>Commelina subulata</i> Roth			
<i>Commiphora harveyi</i> (Engl.) Engl.	LC		
<i>Conostomium natalense</i> (Hochst.) Bremek. var. <i>glabrum</i> Bremek.			
<i>Convolvulus farinosus</i> L.			
<i>Conzya bonariensis</i> (L.) Cronquist			
<i>Conzya obscura</i> DC.			
<i>Conzya scabrida</i> DC.			
<i>Coptosperma supra-axillare</i> (Hemsl.) Degreef			
<i>Corchorus asplenifolius</i> Burch.			
<i>Corchorus confusus</i> Wild			
<i>Coronopus didymus</i> (L.) Sm.			
<i>Costularia natalensis</i> C.B.Clarke	LC		
<i>Cotyledon orbiculata</i> L. var. <i>orbiculata</i>			
<i>Crabbea galpinii</i> C.B.Clarke			
<i>Crabbea hirsuta</i> Harv.			
<i>Crassocephalum crepidioides</i> (Benth.) S.Moore			
<i>Crassocephalum x picridifolium</i> (DC.) S.Moore			
<i>Crassula acinaciformis</i> Schinz			
<i>Crassula alba</i> Forssk. var. <i>alba</i>			
<i>Crassula alba</i> Forssk. var. <i>parvisepala</i> (Schönland) Toelken			
<i>Crassula brevifolia</i> Harv. subsp. <i>brevifolia</i>			
<i>Crassula compacta</i> Schönland			
<i>Crassula expansa</i> Dryand. subsp. <i>fragilis</i> (Baker) Toelken			
<i>Crassula lanceolata</i> (Eckl. & Zeyh.) Endl. ex Walp. subsp. <i>lanceolata</i>			
<i>Crassula natalensis</i> Schönland			
<i>Crassula natans</i> Thunb. var. <i>natans</i>			
<i>Crassula pellucida</i> L. subsp. <i>alsinoides</i> (Hook.f.) Toelken			
<i>Crassula perfoliata</i> L. var. <i>heterotricha</i> (Schinz) Toelken			
<i>Crassula sarcocaulis</i> Eckl. & Zeyh. subsp. <i>sarcocaulis</i>			
<i>Crassula swaziensis</i> Schönland subsp. <i>swaziensis</i> var. <i>swaziensis</i> forma <i>swaziensis</i>			
<i>Crassula vaginata</i> Eckl. & Zeyh. subsp. <i>vaginata</i>			
<i>Craterostigma wilmsii</i> Engl. ex Diels			
<i>Crepidomanes melanotrichum</i> (Schltrd.) J.P.Roux			
<i>Crepis hypochaeridea</i> (DC.) Thell.			
<i>Crinum macowanii</i> Baker	Declining		
<i>Crocosmia aurea</i> (Pappe ex Hook.) Planch. subsp. <i>aurea</i>			

<i>Crossandra greenstockii</i> S.Moore			
<i>Crotalaria laburnifolia</i> L. subsp. <i>australis</i> (Baker f.) Polhill			
<i>Crotalaria lanceolata</i> E.Mey. subsp. <i>lanceolata</i>			
<i>Crotalaria pallida</i> Aiton var. <i>pallida</i>			
<i>Crotalaria recta</i> Steud. ex A.Rich.			
<i>Croton gratissimus</i> Burch. var. <i>gratissimus</i>			
<i>Croton</i> sp.			
<i>Cryptolepis capensis</i> Schltr.			
<i>Cryptolepis oblongifolia</i> (Meisn.) Schltr.			
<i>Ctenium concinnum</i> Nees			
<i>Ctenomeria capensis</i> (Thunb.) Harv. ex Sond.			
<i>Cucumella cinerea</i> (Cogn.) C.Jeffrey			
<i>Cucumis africanus</i> L.f.			
<i>Cucumis anguria</i> L. var. <i>longaculeatus</i> J.H.Kirkbr.			
<i>Cucumis melo</i> L. subsp. <i>melo</i>			
<i>Cucumis metuliferus</i> E.Mey. ex Naudin			
<i>Cucumis myriocarpus</i> Naudin subsp. <i>myriocarpus</i>			
<i>Cucumis zeyheri</i> Sond.			
<i>Curtisia dentata</i> (Burm.f.) C.A.Sm.	NT		
<i>Cussonia natalensis</i> Sond.			
<i>Cussonia spicata</i> Thunb.			
<i>Cyanotis lanata</i> Benth.			
<i>Cyanotis lapidosa</i> E.Phillips			
<i>Cyanotis speciosa</i> (L.f.) Hassk.			
<i>Cyathea dregei</i> Kunze	LC		
<i>Cyathula cylindrica</i> Moq. var. <i>cylindrica</i>			
<i>Cyathula uncinulata</i> (Schrad.) Schinz			
<i>Cyclodictyon vallis-gratiae</i> (Hampe ex Müll.Hal.) Kuntze			
<i>Cyclosorus interruptus</i> (Willd.) H.Ito			
<i>Cynium adonense</i> E.Mey. ex Benth.			
<i>Cynium racemosum</i> Benth.			
<i>Cynium tubulosum</i> (L.f.) Engl. subsp. <i>tubulosum</i>			
<i>Cylindroclea atroviridis</i> (Sim) Vána			
<i>Cymbopogon caesius</i> (Hook. & Arn.) Stapf			
<i>Cymbopogon nardus</i> (L.) Rendle			
<i>Cymbopogon pospischilii</i> (K.Schum.) C.E.Hubb.			
<i>Cynodon dactylon</i> (L.) Pers.			
<i>Cynodon hirsutus</i> Stent			
<i>Cynoglossum lanceolatum</i> Forssk.			
<i>Cynorkis kassneriana</i> Kraenzl.			
<i>Cyperus albostriatus</i> Schrad.			
<i>Cyperus amabilis</i> Vahl			
<i>Cyperus compressus</i> L.			
<i>Cyperus cuspidatus</i> Kunth			
<i>Cyperus cyperoides</i> (L.) Kuntze subsp. <i>cyperoides</i>			
<i>Cyperus cyperoides</i> (L.) Kuntze subsp. <i>pseudoflavus</i> (Kük.) Lye			
<i>Cyperus denudatus</i> L.f. var. <i>denudatus</i>			
<i>Cyperus dives</i> Delile			

<i>Cyperus esculentus</i> L. var. <i>esculentus</i>			
<i>Cyperus fastigiatus</i> Rottb.			
<i>Cyperus indecorus</i> Kunth var. <i>inflatus</i> (C.B.Clarke) Kük.			
<i>Cyperus keniensis</i> Kük.			
<i>Cyperus kirkii</i> C.B.Clarke			
<i>Cyperus latifolius</i> Poir.			
<i>Cyperus leptocladus</i> Kunth			
<i>Cyperus obtusiflorus</i> Vahl var. <i>flavissimus</i> (Schrad.) Boeck.			
<i>Cyperus obtusiflorus</i> Vahl var. <i>obtusiflorus</i>			
<i>Cyperus pseudoleptocladus</i> Kük.			
<i>Cyperus pseudovestitus</i> (C.B.Clarke) Kük.			
<i>Cyperus rotundus</i> L. subsp. <i>rotundus</i>			
<i>Cyperus rupestris</i> Kunth var. <i>rupestris</i>			
<i>Cyperus semitrifidus</i> Schrad.			
<i>Cyperus solidus</i> Kunth			
<i>Cyperus sphaerospermus</i> Schrad.			
<i>Cyperus squarrosus</i> L.			
<i>Cyphia elata</i> Harv. var. <i>elata</i>			
<i>Cyphia elata</i> Harv. var. <i>glabra</i> Harv.			
<i>Cyphia elata</i> Harv. var. <i>oblongifolia</i> (Sond. & Harv.) E.Phillips			
<i>Cyphostemma anatomicum</i> (C.A.Sm.) Wild & R.B.Drumm.	LC		
<i>Cyphostemma</i> sp.			
<i>Cyphostemma woodii</i> (Gilg & M.Brandt) Desc.			
<i>Cyrtanthus bicolor</i> R.A.Dyer	LC		
<i>Cyrtanthus contractus</i> N.E.Br.			
<i>Cyrtanthus eucallus</i> R.A.Dyer	VU		
<i>Cyrtanthus galpinii</i> Baker			
<i>Cyrtanthus thornicroftii</i> C.H.Wright	LC		
<i>Cyrtohypnum versicolor</i> (Hornschr. ex Müll.Hal.) W.R.Buck & H.A.Crum			
<i>Cyrtorchis arcuata</i> (Lindl.) Schltr. subsp. <i>arcuata</i>			
<i>Dactyloctenium aegyptium</i> (L.) Willd.			
<i>Dactyloctenium australe</i> Steud.			
<i>Dais cotinifolia</i> L.			
<i>Dalbergia armata</i> E.Mey.			
<i>Dalbergia sissoo</i> Roxb. ex DC.			
<i>Davallia chaerophylloides</i> (Poir.) Steud.			
<i>Deinbollia oblongifolia</i> (E.Mey. ex Arn.) Radlk.			
<i>Desmodium barbatum</i> (L.) Benth. var. <i>dimorphum</i> (Welw. ex Baker) B.G.Schub.			
<i>Desmodium gangeticum</i> (L.) DC.			
<i>Desmodium incanum</i> DC.			
<i>Desmodium repandum</i> (Vahl) DC.			
<i>Desmodium salicifolium</i> (Poir.) DC. var. <i>salicifolium</i>			
<i>Desmodium setigerum</i> (E.Mey.) Benth. ex Harv.			
<i>Dicerocaryum senecioides</i> (Klotzsch) Abels			
<i>Dichrostachys cinerea</i> (L.) Wight & Arn. subsp. <i>africana</i> Brenan & Brummitt var. <i>africana</i>			

Dichrostachys cinerea (L.) Wight & Arn. subsp. nyassana (Taub.) Brenan			
Dicliptera clinopodia Nees			
Diclis petiolaris Benth.			
Diclis reptans Benth.			
Dicoma anomala Sond. subsp. anomala			
Dicoma sp.			
Dicranopteris linearis (Burm.f.) Underw. var. linearis			
Dierama adelphicum Hilliard			
Dierama gracile N.E.Br.			
Dierama mobile Hilliard			
Dieten iridioides (L.) Sweet ex Klatt			
Digitaria ciliaris (Retz.) Koeler			
Digitaria debilis (Desf.) Willd.			
Digitaria diagonalis (Nees) Stapf var. diagonalis			
Digitaria eriantha Steud.			
Digitaria longiflora (Retz.) Pers.			
Digitaria maitlandii Stapf & C.E.Hubb.			
Digitaria monodactyla (Nees) Stapf			
Digitaria natalensis Stent			
Digitaria nuda Schumach.			
Digitaria scalarum (Schweinf.) Chiov.			
Digitaria sp.			
Digitaria ternata (A.Rich.) Stapf			
Diheteropogon amplexens (Nees) Clayton var. amplexens			
Diheteropogon filifolius (Nees) Clayton			
Dimorphotheca spectabilis Schltr.			
Dioscorea cotinifolia Kunth			
Dioscorea quartiniana A.Rich.			
Dioscorea rupicola Kunth			
Dioscorea sylvatica Eckl. var. brevipes (Burtt Davy) Burkill			
Dioscorea sylvatica Eckl. var. sylvatica			
Diospyros galpinii (Hiern) De Winter			
Diospyros lycioides Desf. subsp. guerkei (Kuntze) De Winter			
Diospyros lycioides Desf. subsp. sericea (Bernh.) De Winter			
Diospyros nummularia Brenan			
Diospyros whyteana (Hiern) F.White			
Dipcadi gracillimum Baker			
Dipcadi marlothii Engl.			
Dipcadi rigidifolium Baker			
Dipcadi viride (L.) Moench			
Disa chrysostachya Sw.			
Disa extinctoria Rchb.f.	NT		
Disa patula Sond. var. transvaalensis Summerh.			
Disa polygonoides Lindl.			
Disa saxicola Schltr.			
Disa stachyoides Rchb.f.	LC		

<i>Disa woodii</i> Schltr.	LC		
<i>Disperis micrantha</i> Lindl.			
<i>Dissotis canescens</i> (E.Mey. ex R.A.Graham) Hook.f.			
<i>Ditrichum difficile</i> (Duby) M.Fleisch.			
<i>Dodonaea angustifolia</i> L.f.			
<i>Dolichos falciformis</i> E.Mey.			
<i>Dolichos sericeus</i> E.Mey.			
<i>Dolichos trilobus</i> L. subsp. <i>transvaalicus</i> Verdc.			
<i>Dombeya pulchra</i> N.E.Br.			
<i>Dombeya rotundifolia</i> (Hochst.) Planch. var. <i>rotundifolia</i>	LC		
<i>Dopatrium juncinum</i> (Roxb.) Buch.-Ham. ex Benth.			
<i>Dovyalis lucida</i> Sim			
<i>Drimia cuscutoidea</i> (Burch. ex Baker) J.C.Manning & Goldblatt			
<i>Drimia delagoensis</i> (Baker) Jessop	LC		
<i>Drimia intricata</i> (Baker) J.C.Manning & Goldblatt			
<i>Drimia multisetosa</i> (Baker) Jessop			
<i>Drimiopsis burkei</i> Baker subsp. <i>burkei</i>			
<i>Drosera burkeana</i> Planch.			
<i>Dryopteris athamanica</i> (Kunze) Kuntze			
<i>Dryopteris inaequalis</i> (Schltdl.) Kuntze			
<i>Dumortiera hirsuta</i> (Sw.) Nees			
<i>Duranta erecta</i> L.			
<i>Duvernoia aconitiflora</i> A.Meeuse	LC		
<i>Dyschoriste rogersii</i> S.Moore	LC		
<i>Echinochloa colona</i> (L.) Link			
<i>Ehretia amoena</i> Klotzsch			
<i>Ehretia obtusifolia</i> Hochst. ex A.DC.			
<i>Ehretia rigida</i> (Thunb.) Druce subsp. <i>nervifolia</i> Retief & A.E.van Wyk			
<i>Ehrharta erecta</i> Lam. var. <i>erecta</i>			
<i>Eichhornia crassipes</i> (Mart.) Solms			
<i>Ekebergia capensis</i> Sparrm.	LC		
<i>Ekebergia pterophylla</i> (C.DC.) Hofmeyr			
<i>Elaeodendron croceum</i> (Thunb.) DC.	Declining		
<i>Eleocharis acutangula</i> (Roxb.) Schult.			
<i>Eleocharis caduca</i> (Delile) Schult.			
<i>Elephantorrhiza elephantina</i> (Burch.) Skeels	LC		
<i>Eleusine coracana</i> (L.) Gaertn. subsp. <i>africana</i> (Kenn.-O'Byrne) Hilu & de Wet			
<i>Eleusine indica</i> (L.) Gaertn.			
<i>Elionurus muticus</i> (Spreng.) Kunth			
<i>Emex australis</i> Steinh.			
<i>Encephalartos ghellinckii</i> Lem.	VU		
<i>Encephalartos humilis</i> I.Verdt.	VU		
<i>Encephalartos laevifolius</i> Stapf & Burtt Davy	CR		
<i>Endostemon obtusifolius</i> (E.Mey. ex Benth.) N.E.Br.			
<i>Englerophytum magalismontanum</i> (Sond.) T.D.Penn.			
<i>Enicostema axillare</i> (Lam.) A.Raynal subsp. <i>axillare</i>			
<i>Enneapogon scoparius</i> Stapf			

<i>Entodon macropodus</i> (Hedw.) Müll.Hal.			
<i>Epilobium capense</i> Buchinger ex Hochst.			
<i>Epilobium hirsutum</i> L.			
<i>Equisetum ramosissimum</i> Desf. subsp. <i>ramosissimum</i>			
<i>Eragrostis amabilis</i> (L.) Hook. & Arn.			
<i>Eragrostis aspera</i> (Jacq.) Nees			
<i>Eragrostis barrelieri</i> Daveau			
<i>Eragrostis capensis</i> (Thunb.) Trin.			
<i>Eragrostis chaperieri</i> (Kunth) Nees			
<i>Eragrostis ciliaris</i> (All.) Vignolo ex Janch.			
<i>Eragrostis ciliaris</i> (L.) R.Br.			
<i>Eragrostis curvula</i> (Schrad.) Nees			
<i>Eragrostis heteromera</i> Stapf			
<i>Eragrostis hierniana</i> Rendle			
<i>Eragrostis inamoena</i> K.Schum.			
<i>Eragrostis lappula</i> Nees			
<i>Eragrostis mexicana</i> (Hornem.) Link subsp. <i>virescens</i> (J.Presl.) S.D.Koch & Sánchez Vega			
<i>Eragrostis micrantha</i> Hack.			
<i>Eragrostis nindensis</i> Ficalho & Hiern			
<i>Eragrostis patens</i> Oliv.	LC		
<i>Eragrostis pilosa</i> (L.) P.Beauv.			
<i>Eragrostis racemosa</i> (Thunb.) Steud.			
<i>Eragrostis sarmentosa</i> (Thunb.) Trin.			
<i>Eragrostis sclerantha</i> Nees subsp. <i>sclerantha</i>			
<i>Eragrostis</i> sp.			
<i>Eragrostis superba</i> Peyr.			
<i>Eragrostis tenuifolia</i> (A.Rich.) Steud.			
<i>Eragrostis viscosa</i> (Retz.) Trin.			
<i>Eragrostis volkensii</i> Pilg.	LC		
<i>Erianthemum dregei</i> (Eckl. & Zeyh.) Tiegh.			
<i>Erica drakensbergensis</i> Guthrie & Bolus			
<i>Erica holtii</i> Schweick.	LC		
<i>Erica</i> sp.			
<i>Erica woodii</i> Bolus var. <i>woodii</i>			
<i>Eriocaulon abyssinicum</i> Hochst.			
<i>Eriocaulon sonderianum</i> Körn.			
<i>Eriocaulon</i> sp.			
<i>Eriocaulon transvaalicum</i> N.E.Br. subsp. <i>transvaalicum</i>			
<i>Eriochrysis pallida</i> Munro			
<i>Eriosema angustifolium</i> Burtt Davy			
<i>Eriosema burkei</i> Benth. ex Harv. var. <i>burkei</i>			
<i>Eriosema cordatum</i> E.Mey.			
<i>Eriosema ellipticifolium</i> Schinz			
<i>Eriosema gunniae</i> C.H.Stirt.			
<i>Eriosema pauciflorum</i> Klotsch var. <i>pauciflorum</i>			
<i>Eriosema psoraleoides</i> (Lam.) G.Don			
<i>Eriospermum cooperi</i> Baker var. <i>cooperi</i>			
<i>Eriospermum flagelliforme</i> (Baker) J.C.Manning			
<i>Eriospermum mackenii</i> (Hook.f.) Baker subsp. <i>galpinii</i>			

(Schinz) P.L.Perry			
<i>Eriospermum mackenii</i> (Hook.f.) Baker subsp. <i>mackenii</i>			
<i>Eriospermum porphyrovalve</i> Baker			
<i>Erpodium beccarii</i> Müll.Hal.			
<i>Erythrina latissima</i> E.Mey.			
<i>Erythrina lysistemon</i> Hutch.			
<i>Erythrococca menyharthii</i> (Pax) Prain			
<i>Erythroxylum delagoense</i> Schinz			
<i>Erythroxylum emarginatum</i> Thonn.			
<i>Ethulia conyzoides</i> L.f. subsp. <i>conyzoides</i>			
<i>Euclea crispa</i> (Thunb.) Gürke subsp. <i>crispa</i>			
<i>Euclea natalensis</i> A.DC. subsp. <i>angustifolia</i> F.White			
<i>Euclea</i> sp.			
<i>Eucomis autumnalis</i> (Mill.) Chitt. subsp. <i>amaryllidifolia</i> (Baker) Reyneke			
<i>Eucomis autumnalis</i> (Mill.) Chitt. subsp. <i>clavata</i> (Baker) Reyneke			
<i>Eulalia villosa</i> (Thunb.) Nees			
<i>Eulophia angolensis</i> (Rchb.f.) Summerh.			
<i>Eulophia foliosa</i> (Lindl.) Bolus			
<i>Eulophia hians</i> Spreng. var. <i>hians</i>			
<i>Eulophia hians</i> Spreng. var. <i>inaequalis</i> (Schltr.) S.Thomas			
<i>Eulophia horsfallii</i> (Bateman) Summerh.			
<i>Eulophia leontoglossa</i> Rchb.f.			
<i>Eulophia milnei</i> Rchb.f.			
<i>Eulophia parviflora</i> (Lindl.) A.V.Hall			
<i>Eulophia petersii</i> (Rchb.f.) Rchb.f.			
<i>Eulophia streptopetala</i> Lindl.	LC		
<i>Euphorbia cooperi</i> N.E.Br. ex A.Berger var. <i>cooperi</i>			
<i>Euphorbia cotinifolia</i> L.			
<i>Euphorbia evansii</i> Pax			
<i>Euphorbia gueinzii</i> Boiss. var. <i>albovillosa</i> (Pax) N.E.Br.			
<i>Euphorbia heterophylla</i> L.			
<i>Euphorbia hypericifolia</i> L.			
<i>Euphorbia indica</i> Lam.			
<i>Euphorbia kraussiana</i> Bernh. var. <i>kraussiana</i>			
<i>Euphorbia pseudotuberosa</i> Pax			
<i>Euphorbia schinzii</i> Pax			
<i>Euphorbia serpens</i> Kunth			
<i>Euphorbia striata</i> Thunb. var. <i>striata</i>			
<i>Euphorbia tirucalli</i> L.			
<i>Euphorbia trichadenia</i> Pax var. <i>trichadenia</i>			
<i>Euphorbia vandermerwei</i> R.A.Dyer			
<i>Euryops laxus</i> (Harv.) Burtt Davy			
<i>Euryops pedunculatus</i> N.E.Br.			
<i>Eustachys paspaloides</i> (Vahl) Lanza & Mattei			
<i>Evolvulus alsinoides</i> (L.) L.			
<i>Fabronia pilifera</i> Hornsch.			
<i>Fabronia rehmannii</i> Müll.Hal.			

<i>Faurea galpinii</i> E.Phillips	LC		
<i>Faurea macnaughtonii</i> E.Phillips	Rare		
<i>Faurea rochetiana</i> (A.Rich.) Chiov. ex Pic.Serm.	LC		
<i>Faurea saligna</i> Harv.	LC		
<i>Felicia clavipilosa</i> Grau subsp. <i>transvaalensis</i> Grau			
<i>Felicia mossamedensis</i> (Hiern) Mendonça			
<i>Felicia muricata</i> (Thunb.) Nees subsp. <i>muricata</i>			
<i>Felicia rosulata</i> Yeo			
<i>Festuca costata</i> Nees			
<i>Ficus abutilifolia</i> (Miq.) Miq.			
<i>Ficus auriculata</i> Lour.			
<i>Ficus craterostoma</i> Warb. ex Mildbr. & Burret			
<i>Ficus glumosa</i> Delile			
<i>Ficus ingens</i> (Miq.) Miq.			
<i>Ficus salicifolia</i> Vahl			
<i>Ficus stuhlmannii</i> Warb.			
<i>Ficus sur</i> Forssk.			
<i>Ficus sycomorus</i> L. subsp. <i>sycomorus</i>			
<i>Ficus thonningii</i> Blume			
<i>Fimbristylis complanata</i> (Retz.) Link			
<i>Fimbristylis dichotoma</i> (L.) Vahl			
<i>Fissidens ovatus</i> Brid.			
<i>Fissidens submarginatus</i> Bruch			
<i>Flacourtie indica</i> (Burm.f.) Merr.			
<i>Flemingia grahamiana</i> Wight & Arn.			
<i>Floribundaria floribunda</i> (Dozy & Molk.) M.Fleisch.			
<i>Floscopa glomerata</i> (Willd. ex Schult. & J.H.Schult.) Hassk.			
<i>Flueggea</i> sp.			
<i>Flueggea virosa</i> (Roxb. ex Willd.) Voigt subsp. <i>virosa</i>			
<i>Fossombronia crispa</i> Nees			
<i>Fragaria vesca</i> L.			
<i>Freesia grandiflora</i> (Baker) Klatt			
<i>Freesia laxa</i> (Thunb.) Goldblatt & J.C.Manning subsp. <i>laxa</i>			
<i>Frullania arecae</i> (Spreng.) Gottsche			
<i>Frullania ericoides</i> (Nees) Mont.			
<i>Frullania trinervis</i> (Lehm.) Drège			
<i>Fuirena leptostachya</i> Oliv. forma <i>nudiflora</i> Lye			
<i>Fuirena pachyrrhiza</i> Ridl. var. <i>subechinata</i> P.L.Forbes			
<i>Fuirena pubescens</i> (Poir.) Kunth var. <i>pubescens</i>			
<i>Fuirena stricta</i> Steud. var. <i>stricta</i>			
<i>Funaria limbata</i> (Müll.Hal.) Broth.			
<i>Galactia tenuiflora</i> (Willd.) Wight & Arn. var. <i>villosa</i> (Wight & Arn.) Benth.			
<i>Galinsoga ciliata</i> (Raf.) S.F.Blake			
<i>Galinsoga parviflora</i> Cav.			
<i>Galopina aspera</i> (Eckl. & Zeyh.) Walp.			
<i>Galopina circaeoides</i> Thunb.			
<i>Galpinia transvaalica</i> N.E.Br.			

<i>Gamochaeta pensylvanica</i> (Willd.) Cabrera			
<i>Gazania krebsiana</i> Less. subsp. <i>serrulata</i> (DC.) Roessler			
<i>Geigeria brachycephala</i> Muschl.			
<i>Geigeria burkei</i> Harv. subsp. <i>burkei</i> var. <i>burkei</i>			
<i>Geigeria burkei</i> Harv. subsp. <i>burkei</i> var. <i>elata</i> Merxm.			
<i>Geigeria burkei</i> Harv. subsp. <i>burkei</i> var. <i>hirtella</i> Merxm.			
<i>Geigeria burkei</i> Harv. subsp. <i>fruticulosa</i> Merxm.			
<i>Geigeria ornativa</i> O.Hoffm.			
<i>Geigeria</i> sp.			
<i>Geniosporum angolense</i> Briq.			
<i>Geranium ornithopodon</i> Eckl. & Zeyh.			
<i>Geranium wakkerstroomianum</i> R.Knuth			
<i>Gerbera ambigua</i> (Cass.) Sch.Bip.			
<i>Gerbera jamesonii</i> Bolus ex Adlam			
<i>Gerbera piloselloides</i> (L.) Cass.			
<i>Gerbera</i> sp.			
<i>Gerbera viridifolia</i> (DC.) Sch.Bip.			
<i>Gisekia pharnacioides</i> L. var. <i>pharnacioides</i>			
<i>Gladiolus crassifolius</i> Baker			
<i>Gladiolus dalenii</i> Van Geel subsp. <i>dalenii</i>			
<i>Gladiolus densiflorus</i> Baker			
<i>Gladiolus ecklonii</i> Lehm.			
<i>Gladiolus ferrugineus</i> Goldblatt & J.C.Manning	LC		
<i>Gladiolus hollandii</i> L.Bolus	LC		
<i>Gladiolus longicollis</i> Baker subsp. <i>platypetalus</i> (Baker) Goldblatt & J.C.Manning			
<i>Gladiolus papilio</i> Hook.f.			
<i>Gladiolus pubigerus</i> G.J.Lewis			
<i>Gladiolus vinosomaculatus</i> Kies			
<i>Gladiolus woodii</i> Baker			
<i>Gloriosa modesta</i> (Hook.) J.C.Manning & Vinn.			
<i>Gloriosa superba</i> L.			
<i>Gnidia capitata</i> L.f.			
<i>Gnidia kraussiana</i> Meisn.			
<i>Gnidia kraussiana</i> Meisn. var. <i>kraussiana</i>			
<i>Gnidia microcephala</i> Meisn.			
<i>Gnidia robusta</i> B.Peterson			
<i>Gnidia</i> sp.			
<i>Gomphocarpus glaucophyllus</i> Schltr.			
<i>Gomphocarpus physocarpus</i> E.Mey.			
<i>Gomphocarpus rivularis</i> Schltr.			
<i>Gomphrena celosioides</i> Mart.			
<i>Gossypium herbaceum</i> L. subsp. <i>africanum</i> (Watt) Vollesen	LC		
<i>Graderia scabra</i> (L.f.) Benth.			
<i>Graderia subintegra</i> Mast.			
<i>Graphina acharii</i> (Fée) Müll.Arg.			
<i>Grewia caffra</i> Meisn.			
<i>Grewia flavescentia</i> Juss.			

<i>Grewia hexamita</i> Burret			
<i>Grewia monticola</i> Sond.			
<i>Grewia occidentalis</i> L. var. <i>occidentalis</i>			
<i>Grewia pachycalyx</i> K.Schum.			
<i>Grewia retinervis</i> Burret			
<i>Grewia subspathulata</i> N.E.Br.			
<i>Greyia radlkoferi</i> Szyszyl.			
<i>Guillemina densa</i> (Willd. ex Roem. & Schult.) Moq.			
<i>Gunnera perpensa</i> L.	Declining		
<i>Gymnosporia buxifolia</i> (L.) Szyszyl.			
<i>Gymnosporia glaucophylla</i> Jordaan			
<i>Gymnosporia harveyana</i> Loes. subsp. <i>harveyana</i>			
<i>Gymnosporia heterophylla</i> (Eckl. & Zeyh.) Loes.			
<i>Gymnosporia senegalensis</i> (Lam.) Loes.			
<i>Gymnosporia</i> sp.			
<i>Habenaria falcicornis</i> (Burch. ex Lindl.) Bolus subsp. <i>caffra</i> (Schltr.) J.C.Manning			
<i>Habenaria galpinii</i> Bolus			
<i>Habenaria lithophila</i> Schltr.			
<i>Habenaria malacophylla</i> Rchb.f.			
<i>Habenaria nyikana</i> Rchb.f. subsp. <i>nyikana</i>			
<i>Habenaria pseudociliosa</i> Schelpe ex J.C.Manning			
<i>Habenaria schimperiana</i> Hochst. ex A.Rich.			
<i>Hackelochoa granularis</i> (L.) Kuntze	LC		
<i>Haemanthus humilis</i> Jacq. subsp. <i>hirsutus</i> (Baker) Snijman			
<i>Halleria lucida</i> L.			
<i>Haplocarpha scaposa</i> Harv.			
<i>Haplocladium angustifolium</i> (Hampe & Müll.Hal.) Broth.			
<i>Harpochloa falx</i> (L.f.) Kuntze			
<i>Harveya silvatica</i> Hilliard & B.L.Burtt			
<i>Hebenstretia comosa</i> Hochst.			
<i>Hedwigia ciliata</i> (Hedw.) P.Beauv.			
<i>Hedwigidium integrifolium</i> (P.Beauv.) Dixon			
<i>Helichrysum acutatum</i> DC.			
<i>Helichrysum appendiculatum</i> (L.f.) Less.			
<i>Helichrysum athrixiifolium</i> (Kuntze) Moeser			
<i>Helichrysum aureolum</i> Hilliard			
<i>Helichrysum aureum</i> (Houtt.) Merr. var. <i>monocephalum</i> (DC.) Hilliard			
<i>Helichrysum caespititium</i> (DC.) Harv.			
<i>Helichrysum candolleanum</i> H.Buek			
<i>Helichrysum cephaloideum</i> DC.			
<i>Helichrysum chionosphaerum</i> DC.			
<i>Helichrysum chrysargyrum</i> Moeser			
<i>Helichrysum epapposum</i> Bolus			
<i>Helichrysum homilochrysum</i> S.Moore	Rare		
<i>Helichrysum kraussii</i> Sch.Bip.			
<i>Helichrysum mimetes</i> S.Moore			
<i>Helichrysum mixtum</i> (Kuntze) Moeser var. <i>mixtum</i>			

<i>Helichrysum mutabile</i> Hilliard			
<i>Helichrysum nudifolium</i> (L.) Less. var. <i>nudifolium</i>			
<i>Helichrysum nudifolium</i> (L.) Less. var. <i>oxyphyllum</i> (DC.) Beentje			
<i>Helichrysum nudifolium</i> (L.) Less. var. <i>pilosellum</i> (L.f.) Beentje			
<i>Helichrysum odoratissimum</i> (L.) Sweet var. <i>odoratissimum</i>			
<i>Helichrysum oreophilum</i> Klatt			
<i>Helichrysum pallidum</i> DC.			
<i>Helichrysum panduratum</i> O.Hoffm. var. <i>panduratum</i>			
<i>Helichrysum panduratum</i> O.Hoffm. var. <i>transvaalense</i> Moeser			
<i>Helichrysum platypteron</i> DC.			
<i>Helichrysum polycladum</i> Klatt			
<i>Helichrysum reflexum</i> N.E.Br.			
<i>Helichrysum spiralepis</i> Hilliard & B.L.Burtt			
<i>Helichrysum splendidum</i> (Thunb.) Less.			
<i>Helichrysum stenopterum</i> DC.			
<i>Helichrysum thapsus</i> (Kuntze) Moeser			
<i>Helichrysum truncatum</i> Burtt Davy			
<i>Helichrysum umbraculigerum</i> Less.			
<i>Helichrysum wilmsii</i> Moeser			
<i>Helinus integrifolius</i> (Lam.) Kuntze			
<i>Heliophila rigidiuscula</i> Sond.			
<i>Heliotropium ciliatum</i> Kaplan			
<i>Hemarthria altissima</i> (Poir.) Stapf & C.E.Hubb.			
<i>Hemizygia petrensis</i> (Hiern) M.Ashby			
<i>Hemizygia</i> sp.			
<i>Hermannia cristata</i> Bolus			
<i>Hermannia glanduligera</i> K.Schum.			
<i>Hermannia grandifolia</i> N.E.Br.			
<i>Hermannia montana</i> N.E.Br.			
<i>Hermannia</i> sp.			
<i>Hermannia stellulata</i> (Harv.) K.Schum.			
<i>Hermannia verdoorniae</i> De Winter			
<i>Hermannia x montana</i> N.E.Br.			
<i>Hermbstaedtia odorata</i> (Burch.) T.Cooke var. <i>odorata</i>			
<i>Hesperantha schlechteri</i> (Baker) R.C.Foster			
<i>Heteromorpha arborescens</i> (Spreng.) Cham. & Schltdl. var. <i>abyssinica</i> (Hochst. ex A.Rich.) H.Wolff			
<i>Heteromorpha involucrata</i> Conrath			
<i>Heteromorpha pubescens</i> Burtt Davy			
<i>Heteropogon contortus</i> (L.) Roem. & Schult.			
<i>Heteropyxis canescens</i> Oliv.	LC		
<i>Heteropyxis natalensis</i> Harv.			
<i>Hibiscus aethiopicus</i> L. var. <i>aethiopicus</i> x <i>H. aethiopicus</i> L. var. <i>ovatus</i> Harv.			
<i>Hibiscus aethiopicus</i> L. var. <i>ovatus</i> Harv.			
<i>Hibiscus barbosae</i> Exell			
<i>Hibiscus cannabinus</i> L.			

<i>Hibiscus engleri</i> K.Schum.			
<i>Hibiscus lunarifolius</i> Willd.			
<i>Hibiscus pusillus</i> Thunb.			
<i>Hibiscus schinzii</i> Gürke			
<i>Hibiscus schizopetalus</i> (Mast.) Hook.f.			
<i>Hibiscus trionum</i> L.			
<i>Hippobromus pauciflorus</i> (L.f.) Radlk.			
<i>Huernia hystrix</i> (Hook.f.) N.E.Br. var. <i>hystrix</i>			
<i>Hybanthus enneaspermus</i> (L.) F.Muell. var. <i>ennaspermus</i>			
<i>Hydrocotyle verticillata</i> Thunb.			
<i>Hyophila involuta</i> (Hook.) A.Jaeger			
<i>Hyparrhenia cymbaria</i> (L.) Stapf			
<i>Hyparrhenia dichroa</i> (Steud.) Stapf			
<i>Hyparrhenia dregeana</i> (Nees) Stapf ex Stent			
<i>Hyparrhenia filipendula</i> (Hochst.) Stapf var. <i>filipendula</i>			
<i>Hyparrhenia filipendula</i> (Hochst.) Stapf var. <i>pilosa</i> (Hochst.) Stapf			
<i>Hyparrhenia gazensis</i> (Rendle) Stapf			
<i>Hyparrhenia newtonii</i> (Hack.) Stapf var. <i>macra</i> Stapf			
<i>Hyparrhenia rufa</i> (Nees) Stapf var. <i>rufa</i>			
<i>Hyparrhenia schimperi</i> (Hochst. ex A.Rich.) Andersson ex Stapf			
<i>Hyparrhenia</i> sp.			
<i>Hyparrhenia tamba</i> (Steud.) Stapf			
<i>Hypericum aethiopicum</i> Thunb. subsp. <i>sonderi</i> (Bredell) N.Robson			
<i>Hypericum lalandii</i> Choisy			
<i>Hypericum revolutum</i> Vahl subsp. <i>revolutum</i>			
<i>Hypertelis salsolooides</i> (Burch.) Adamson var. <i>salsolooides</i>			
<i>Hyperthelia dissoluta</i> (Nees ex Steud.) Clayton			
<i>Hypnum cupressiforme</i> Hedw. var. <i>cupressiforme</i>			
<i>Hypodematum crenatum</i> (Forssk.) Kuhn var. <i>crenata</i>	VU		
<i>Hypoestes aristata</i> (Vahl) Sol. ex Roem. & Schult. var. <i>aristata</i>			
<i>Hypoestes forskaolii</i> (Vahl) R.Br.			
<i>Hypopterygium tamarisci</i> (Sw.) Brid. ex Müll.Hal.			
<i>Hypoxis angustifolia</i> Lam. var. <i>angustifolia</i>			
<i>Hypoxis angustifolia</i> Lam. var. <i>buchananii</i> Baker			
<i>Hypoxis argentea</i> Harv. ex Baker var. <i>argentea</i>			
<i>Hypoxis filiformis</i> Baker			
<i>Hypoxis galpinii</i> Baker			
<i>Hypoxis hemerocallidea</i> Fisch., C.A.Mey. & Avé-Lall.	Declining		
<i>Hypoxis iridifolia</i> Baker			
<i>Hypoxis rigidula</i> Baker var. <i>pilosissima</i> Baker			
<i>Hypoxis rigidula</i> Baker var. <i>rigidula</i>			
<i>Hyptis pectinata</i> (L.) Poit.			
<i>Ilex mitis</i> (L.) Radlk. var. <i>mitis</i>	Declining		
<i>Impatiens hochstetteri</i> Warb. subsp. <i>hochstetteri</i>			
<i>Imperata cylindrica</i> (L.) Raeusch.			

<i>Indigofera adenoides</i> Baker f.			
<i>Indigofera arrecta</i> Hochst. ex A.Rich.			
<i>Indigofera galpinii</i> N.E.Br.			
<i>Indigofera hilaris</i> Eckl. & Zeyh. var. <i>hilaris</i>			
<i>Indigofera homblei</i> Baker f. & Martin subsp. <i>homblei</i>			
<i>Indigofera masonae</i> N.E.Br.			
<i>Indigofera melanadenia</i> Benth. ex Harv.			
<i>Indigofera oxalidea</i> Welw. ex Baker			
<i>Indigofera rostrata</i> Bolus			
<i>Indigofera sanguinea</i> N.E.Br.			
<i>Indigofera</i> sp.			
<i>Indigofera spicata</i> Forssk.			
<i>Indigofera spicata</i> Forssk. var. <i>spicata</i>			
<i>Indigofera swaziensis</i> Bolus var. <i>perplexa</i> (N.E.Br.) J.B.Gillett			
<i>Indigofera swaziensis</i> Bolus var. <i>swaziensis</i>			
<i>Indigofera tristis</i> E.Mey.			
<i>Indigofera tristoides</i> N.E.Br.			
<i>Indigofera velutina</i> E.Mey.			
<i>Indigofera vicioides</i> Jaub. & Spach var. <i>rogersii</i> (R.E.Fr.) J.B.Gillett			
<i>Indigofera zeyheri</i> Spreng. ex Eckl. & Zeyh.			
<i>Inezia integrifolia</i> (Klatt) E.Phillips			
<i>Inulanthera dregeana</i> (DC.) Källersjö			
<i>Ipomoea alba</i> L.			
<i>Ipomoea albivenia</i> (Lindl.) Sweet			
<i>Ipomoea bathycolpos</i> Hallier f.	LC		
<i>Ipomoea bolusiana</i> Schinz			
<i>Ipomoea crassipes</i> Hook. var. <i>crassipes</i>			
<i>Ipomoea dichroa</i> Choisy			
<i>Ipomoea gracilisepala</i> Rendle			
<i>Ipomoea oblongata</i> E.Mey. ex Choisy			
<i>Ipomoea obscura</i> (L.) Ker Gawl. var. <i>obscura</i>			
<i>Ipomoea ommanneyi</i> Rendle			
<i>Ipomoea plebeia</i> R.Br. subsp. <i>africana</i> A.Meeuse			
<i>Ipomoea</i> sp.			
<i>Ipomoea wightii</i> (Wall.) Choisy var. <i>wightii</i>			
<i>Ischaemum fasciculatum</i> Brongn.			
<i>Ischyrodon lepturus</i> (Taylor) Schelpe			
<i>Isoglossa grantii</i> C.B.Clarke			
<i>Isoglossa organoides</i> (Nees) Lindau			
<i>Isolepis costata</i> Hochst. ex A.Rich.			
<i>Jacquemontia tamnifolia</i> (L.) Griseb.			
<i>Jamesbrittenia accrescens</i> (Hiern) Hilliard			
<i>Jamesbrittenia grandiflora</i> (Galpin) Hilliard			
<i>Jamesbrittenia</i> sp.			
<i>Jasminum multipartitum</i> Hochst.			
<i>Jasminum stenolobum</i> Rolfe			
<i>Jatropha hirsuta</i> Hochst. var. <i>oblongifolia</i> Prain			
<i>Jatropha latifolia</i> Pax var. <i>angustata</i> Prain	LC		

<i>Jatropha latifolia</i> Pax var. <i>latifolia</i>	LC		
<i>Juncus lomatophyllum</i> Spreng.			
<i>Juncus oxycarpus</i> E.Mey. ex Kunth			
<i>Justicia anagalloides</i> (Nees) T.Anderson			
<i>Justicia anselliana</i> (Nees) T.Anderson			
<i>Justicia betonica</i> L.			
<i>Justicia flava</i> (Vahl) Vahl			
<i>Justicia protracta</i> (Nees) T.Anderson subsp. <i>protracta</i>			
<i>Kalanchoe alticola</i> Compton	DD		
<i>Kalanchoe longiflora</i> Schltr. ex J.M.Wood	LC		
<i>Kalanchoe paniculata</i> Harv.			
<i>Kalanchoe rotundifolia</i> (Haw.) Haw.			
<i>Kalanchoe thyrsiflora</i> Harv.			
<i>Karomia speciosa</i> (Hutch. & Corbishley) R.Fern. forma <i>speciosa</i>			
<i>Kedrostis foetidissima</i> (Jacq.) Cogn.			
<i>Kedrostis hirtella</i> (Naudin) Cogn.			
<i>Kiggelaria africana</i> L.			
<i>Kleinia longiflora</i> DC.			
<i>Kniphofia galpinii</i> Baker			
<i>Kniphofia linearifolia</i> Baker			
<i>Kniphofia multiflora</i> J.M.Wood & M.S.Evans			
<i>Knowltonia transvaalensis</i> Szyszyl. var. <i>transvaalensis</i>			
<i>Kohautia amatymbica</i> Eckl. & Zeyh.			
<i>Kohautia virgata</i> (Willd.) Bremek.			
<i>Kraussia floribunda</i> Harv.			
<i>Kyllinga alba</i> Nees			
<i>Kyllinga melanosperma</i> Nees			
<i>Lablab purpureus</i> (L.) Sweet subsp. <i>uncinatus</i> Verdc.			
<i>Lactuca inermis</i> Forssk.			
<i>Lagarosiphon muscoides</i> Harv.			
<i>Lagenaria siceraria</i> (Molina) Standl.			
<i>Laggera crispata</i> (Vahl) Hepper & J.R.I.Wood			
<i>Lannea discolor</i> (Sond.) Engl.			
<i>Lannea edulis</i> (Sond.) Engl. var. <i>edulis</i>			
<i>Lannea schweinfurthii</i> (Engl.) Engl. var. <i>stuhlmannii</i> (Engl.) Kokwaro			
<i>Lantana camara</i> L.			
<i>Lantana mearnsii</i> Moldenke var. <i>latibracteolata</i> Moldenke			
<i>Lantana rugosa</i> Thunb.			
<i>Laportea peduncularis</i> (Wedd.) Chew subsp. <i>peduncularis</i>			
<i>Launaea nana</i> (Baker) Chiov.			
<i>Lecidea</i> sp.			
<i>Ledebouria apertiflora</i> (Baker) Jessop			
<i>Ledebouria cooperi</i> (Hook.f.) Jessop			
<i>Ledebouria floribunda</i> (Baker) Jessop			
<i>Ledebouria graminifolia</i> (Baker) Jessop			
<i>Ledebouria ovatifolia</i> (Baker) Jessop			
<i>Ledebouria revoluta</i> (L.f.) Jessop			

<i>Ledebouria</i> sp.	Rare		
<i>Leersia hexandra</i> Sw.			
<i>Lejeunea flava</i> Sw.			
<i>Leonotis ocymifolia</i> (Burm.f.) Iwarsson var. <i>raineriana</i> (Vis.) Iwarsson			
<i>Lepidium africanum</i> (Burm.f.) DC. subsp. <i>africanum</i>			
<i>Lepidium bonariense</i> L.			
<i>Leptocarydion vulpiastrum</i> (De Not.) Stapf			
<i>Leucas glabrata</i> (Vahl) Sm. var. <i>glabrata</i>			
<i>Leucas neuflizeana</i> Courbon			
<i>Leucoloma chrysobasilare</i> (Müll.Hal.) A.Jaeger subsp. <i>chrysobasilare</i>			
<i>Levierella neckeroides</i> (Griff.) O'Shea & Matcham			
<i>Lichen</i> sp.			
<i>Limeum viscosum</i> (J.Gay) Fenzl subsp. <i>viscosum</i> var. <i>kraussii</i> Friedrich			
<i>Limosella</i> sp.			
<i>Lindbergia haplocladioides</i> Dixon			
<i>Lindbergia patentifolia</i> Dixon			
<i>Lindbergia viridis</i> Dixon			
<i>Lindernia parviflora</i> (Roxb.) Haines			
<i>Lindernia pulchella</i> (Skan) Philcox			
<i>Lindernia wilmsii</i> (Engl. & Diels) Philcox			
<i>Linum thunbergii</i> Eckl. & Zeyh.			
<i>Liparis bowkeri</i> Harv.			
<i>Lipocarpha chinensis</i> (Osbeck) Kern			
<i>Lipocarpha rehmannii</i> (Ridl.) Goetgh.			
<i>Lippia javanica</i> (Burm.f.) Spreng.			
<i>Lippia rehmannii</i> H.Pearson			
<i>Lippia wilmsii</i> H.Pearson			
<i>Lithospermum afromontanum</i> Weim.			
<i>Litogyne gariepina</i> (DC.) Anderb.			
<i>Lobelia erinus</i> L.	LC		
<i>Lobelia flaccida</i> (C.Presl) A.DC. subsp. <i>flaccida</i>	LC		
<i>Lobelia flaccida</i> (C.Presl) A.DC. subsp. <i>mossiana</i> (R.D.Good) Thulin			
<i>Lopholaena disticha</i> (N.E.Br.) S.Moore			
<i>Lopholejeunea fragilis</i> Steph.			
<i>Lotononis bainesii</i> Baker			
<i>Lotononis carinata</i> (E.Mey.) Benth.			
<i>Lotononis listii</i> Polhill			
<i>Lotononis pulchra</i> Dummer			
<i>Lotus discolor</i> E.Mey. subsp. <i>discolor</i>			
<i>Loudetia simplex</i> (Nees) C.E.Hubb.			
<i>Ludwigia octovalvis</i> (Jacq.) P.H.Raven			
<i>Lunularia cruciata</i> (L.) Dumort. ex Lindb.			
<i>Lycopodium clavatum</i> L.			
<i>Macledium zeyheri</i> (Sond.) S.Ortiz subsp. <i>zeyheri</i>			
<i>Macrotyloma maranguense</i> (Taub.) Verdc.			
<i>Maerua angolensis</i> DC. subsp. <i>angolensis</i>			
<i>Maerua rosmarinoides</i> (Sond.) Gilg & Gilg-Ben.			

<i>Maesa lanceolata</i> Forssk.			
<i>Malvastrum coromandelianum</i> (L.) Garcke			
<i>Manulea parviflora</i> Benth. var. <i>parviflora</i>			
<i>Manulea rhodantha</i> Hilliard subsp. <i>aurantiaca</i> Hilliard			
<i>Marchantia debilis</i> K.I.Goebel			
<i>Mariscus dregeanus</i> Kunth			
<i>Mariscus uitenhagensis</i> Steud.			
<i>Maytenus peduncularis</i> (Sond.) Loes.			
<i>Maytenus undata</i> (Thunb.) Blakelock	LC		
<i>Melanthera scandens</i> (Schumach. & Thonn.) Roberty subsp. <i>dregei</i> (DC.) Wild			
<i>Melania didyma</i> Eckl. & Zeyh.			
<i>Melania prostrata</i> DC.			
<i>Melia azedarach</i> L.			
<i>Melilotus albus</i> Medik.			
<i>Melinis minutiflora</i> P.Beauv.			
<i>Melinis nerviglumis</i> (Franch.) Zizka			
<i>Melinis repens</i> (Willd.) Zizka subsp. <i>repens</i>			
<i>Mellera lobulata</i> S.Moore			
<i>Mentha aquatica</i> L.			
<i>Mentha longifolia</i> (L.) Huds. subsp. <i>polyadena</i> (Briq.) Briq.			
<i>Merremia pinnata</i> (Hochst. ex Choisy) Hallier f.			
<i>Merwilla plumbea</i> (Lindl.) Speta	Declining		
<i>Metzgeria limbato-setosa</i> Steph.			
<i>Microcharis galpinii</i> N.E.Br.			
<i>Microchloa caffra</i> Nees			
<i>Microchloa kunthii</i> Desv.			
<i>Microgramma mauritiana</i> (Willd.) Tardieu			
<i>Mikania cordata</i> (Burm.f.) B.L.Rob.			
<i>Mikania</i> sp.			
<i>Mimusops zeyheri</i> Sond.			
<i>Misanthus junceus</i> (Stapf) Pilg.			
<i>Mittenothamnium</i> sp.			
<i>Mohria vestita</i> Baker			
<i>Mollugo cerviana</i> (L.) Ser. ex DC. var. <i>cerviana</i>			
<i>Momordica cardiospermoides</i> Klotzsch			
<i>Momordica charantia</i> L.			
<i>Momordica foetida</i> Schumach.			
<i>Monanthotaxis caffra</i> (Sond.) Verdc.			
<i>Monechma debile</i> (Forssk.) Nees			
<i>Monocymbium ceresiiforme</i> (Nees) Stapf			
<i>Monopsis decipiens</i> (Sond.) Thulin			
<i>Monopsis stellaroides</i> (C.Presl) Urb. subsp. <i>stellaroides</i>			
<i>Monsonia angustifolia</i> E.Mey. ex A.Rich.			
<i>Moraea muddii</i> N.E.Br.			
<i>Moraea natalensis</i> Baker			
<i>Moraea spathulata</i> (L.f.) Klatt			
<i>Moraea stricta</i> Baker			
<i>Morella serrata</i> (Lam.) Killick			

<i>Mucuna coriacea</i> Baker subsp. <i>irritans</i> (Burtt Davy) Verdc.			
<i>Mucuna pruriens</i> (L.) DC. var. <i>utilis</i> (Wall. ex Wight) Baker ex Burck			
<i>Mundulea sericea</i> (Willd.) A.Chev. subsp. <i>sericea</i>			
<i>Murdannia simplex</i> (Vahl) Brenan			
<i>Myriophyllum aquaticum</i> (Vell.) Verdc.			
<i>Myrothamnus flabellifolius</i> Welw.	DD		
<i>Mystacidium pusillum</i> Harv.			
<i>Najas horrida</i> A.Braun ex Rendle			
<i>Neckera valentiniana</i> Besch.			
<i>Nemesia rupicola</i> Hilliard			
<i>Neonotonia wightii</i> (Wight. ex Arn.) J.A.Lackey			
<i>Nephrolepis biserrata</i> (Sw.) Schott			
<i>Nervilia crociformis</i> (Zoll. & Moritzi) Seidenf.			
<i>Nesaea cymosa</i> Immelman			
<i>Nesaea radicans</i> Guill. & Perr. var. <i>floribunda</i> (Sond.) A.Fern.			
<i>Nidorella auriculata</i> DC.			
<i>Nolletia rarifolia</i> (Turcz.) Steetz			
<i>Nuxia congesta</i> R.Br. ex Fresen.			
<i>Nuxia floribunda</i> Benth.			
<i>Nuxia oppositifolia</i> (Hochst.) Benth.			
<i>Nymphaea nouchali</i> Burm.f. var. <i>caerulea</i> (Savigny) Verdc.			
<i>Nymphoides</i> sp.			
<i>Ochna arborea</i> Burch. ex DC. var. <i>oconnorii</i> (E.Phillips) Du Toit			
<i>Ochna gamostigmata</i> Du Toit			
<i>Ochna natalitia</i> (Meisn.) Walp.	LC		
<i>Ocimum americanum</i> L. var. <i>americanum</i>			
<i>Ocimum gratissimum</i> L. subsp. <i>gratissimum</i> var. <i>gratissimum</i>			
<i>Ocimum serratum</i> (Schltr.) A.J.Paton			
<i>Ocotea kenyensis</i> (Chiov.) Robyns & R.Wilczek	Rare		
<i>Odontonema strictum</i> (Nees) Kuntze			
<i>Oenothera indecora</i> Cambess.			
<i>Olax dissitiflora</i> Oliv.			
<i>Oldenlandia affinis</i> (Roem. & Schult.) DC. subsp. <i>fugax</i> (Vatke) Verdc.			
<i>Oldenlandia corymbosa</i> L. var. <i>caespitosa</i> (Benth.) Verdc.			
<i>Oldenlandia herbacea</i> (L.) Roxb. var. <i>herbacea</i>			
<i>Oldenlandia lancifolia</i> (Schumach.) DC. var. <i>scabridula</i> Bremek.			
<i>Olea capensis</i> L. subsp. <i>enervis</i> (Harv. ex C.H.Wright) I.Verdi			
<i>Olea europaea</i> L. subsp. <i>africana</i> (Mill.) P.S.Green			
<i>Oncoba spinosa</i> Forssk. subsp. <i>spinosa</i>			
<i>Ophioglossum polyphyllum</i> A.Braun			
<i>Ophioglossum reticulatum</i> L. subsp. <i>reticulatum</i>			
<i>Ophioglossum rubellum</i> Welw. ex A.Braun			

<i>Ophioglossum vulgatum</i> L. subsp. <i>africanum</i> Pocock ex J.E.Burrows var. <i>africanum</i>			
<i>Oplismenus hirtellus</i> (L.) P.Beauv.			
<i>Oplismenus</i> sp.			
<i>Orbea carnosa</i> (Stent) Bruyns subsp. <i>keithii</i> (R.A.Dyer) Bruyns	LC		
<i>Orbea longidens</i> (N.E.Br.) L.C.Leach	LC		
<i>Ornithogalum saundersiae</i> Baker			
<i>Orthostichella pandurifolia</i> (Müll.Hal) W.R.Buck			
<i>Osmunda regalis</i> L.			
<i>Otholobium polyphyllum</i> (Eckl. & Zeyh.) C.H.Stirt.	LC		
<i>Othonna natalensis</i> Sch.Bip.			
<i>Oxalis corniculata</i> L.			
<i>Oxalis depressa</i> Eckl. & Zeyh.			
<i>Oxalis obliquifolia</i> Steud. ex A.Rich.			
<i>Oxalis semiloba</i> Sond. subsp. <i>semiloba</i>			
<i>Oxalis smithiana</i> Eckl. & Zeyh.			
<i>Oxyanthus speciosus</i> DC. subsp. <i>gerrardii</i> (Sond.) Bridson			
<i>Oxygenum dregeanum</i> Meisn. subsp. <i>canescens</i> (Sond.) Germish. var. <i>canescens</i>			
<i>Oxygenum dregeanum</i> Meisn. subsp. <i>canescens</i> (Sond.) Germish. var. <i>lobophyllum</i> Germish.			
<i>Oxygenum dregeanum</i> Meisn. subsp. <i>swazicum</i> (Burtt Davy) Germish.			
<i>Oxygenum sinuatum</i> (Hochst. & Steud. ex Meisn.) Dammer			
<i>Ozoroa insignis</i> Delile subsp. <i>reticulata</i> (Baker f.) J.B.Gillett			
<i>Pachycarpus asperifolius</i> Meisn.			
<i>Pachycarpus concolor</i> E.Mey.			
<i>Pachycarpus grandiflorus</i> (L.f.) E.Mey. subsp. <i>tomentosus</i> (Schltr.) Goyder			
<i>Pachycarpus transvaalensis</i> (Schltr.) N.E.Br.			
<i>Pachypodium saundersii</i> N.E.Br.	LC		
<i>Pachystigma caffrum</i> (Sim) Robyns			
<i>Pachystigma coeruleum</i> Robyns			
<i>Pachystigma macrocalyx</i> (Sond.) Robyns			
<i>Palamocladium leskeoides</i> (Hook.) E.Britton			
<i>Panicum aequinerve</i> Nees			
<i>Panicum coloratum</i> L. var. <i>coloratum</i>			
<i>Panicum deustum</i> Thunb.			
<i>Panicum dregeanum</i> Nees			
<i>Panicum ecklonii</i> Nees			
<i>Panicum hymeniochilum</i> Nees	LC		
<i>Panicum maximum</i> Jacq.			
<i>Panicum natalense</i> Hochst.			
<i>Panicum subalbidum</i> Kunth			
<i>Papillaria africana</i> (Müll.Hal.) A.Jaeger			
<i>Pappea capensis</i> Eckl. & Zeyh.			
<i>Parinari capensis</i> Harv. subsp. <i>capensis</i>			
<i>Parinari curatellifolia</i> Planch. ex Benth.			

<i>Parmotrema abessinicum</i> (Nyl. ex Kremp.) Hale			
<i>Parmotrema cooperi</i> (J.Steiner & Zahlbr.) Sérus.			
<i>Paspalum dilatatum</i> Poir.			
<i>Paspalum</i> sp.			
<i>Paspalum urvillei</i> Steud.			
<i>Passerina montana</i> Thoday			
<i>Passerina montivaga</i> C.L.Bredenkamp & A.E.van Wyk			
<i>Passiflora edulis</i> Sims			
<i>Passiflora suberosa</i> L.			
<i>Passiflora subpeltata</i> Ortega			
<i>Pavetta cooperi</i> Harv. & Sond.			
<i>Pavetta edentula</i> Sond.			
<i>Pavetta gardeniifolia</i> A.Rich. var. <i>gardeniifolia</i>			
<i>Pavetta gardeniifolia</i> A.Rich. var. <i>subtomentosa</i> K.Schum.			
<i>Pavetta gracilifolia</i> Bremek.			
<i>Pavetta schumanniana</i> F.Hoffm. ex K.Schum.			
<i>Pavetta</i> sp.			
<i>Pavonia burchellii</i> (DC.) R.A.Dyer			
<i>Pavonia columella</i> Cav.			
<i>Pearsonia aristata</i> (Schinz) Dummer			
<i>Pearsonia obovata</i> (Schinz) Polhill			
<i>Pearsonia sessilifolia</i> (Harv.) Dummer subsp. <i>filifolia</i> (Bolus) Polhill			
<i>Pearsonia sessilifolia</i> (Harv.) Dummer subsp. <i>marginata</i> (Schinz) Polhill			
<i>Pearsonia sessilifolia</i> (Harv.) Dummer subsp. <i>sessilifolia</i>			
<i>Pearsonia uniflora</i> (Kensit) Polhill			
<i>Pelargonium acraeum</i> R.A.Dyer			
<i>Pelargonium alchemilloides</i> (L.) L'Hér.			
<i>Pelargonium luridum</i> (Andrews) Sweet			
<i>Pelargonium peltatum</i> (L.) L'Hér.			
<i>Pelargonium transvaalense</i> R.Knuth			
<i>Peliostomum calycinum</i> N.E.Br.			
<i>Pellaea calomelanos</i> (Sw.) Link var. <i>calomelanos</i>			
<i>Pellaea dura</i> (Willd.) Hook. var. <i>dura</i>			
<i>Pellaea pectiniformis</i> Baker			
<i>Peltophorum africanum</i> Sond.			
<i>Pentanisia angustifolia</i> (Hochst.) Hochst.			
<i>Pentanisia prunelloides</i> (Klotzsch ex Eckl. & Zeyh.) Walp. subsp. <i>latifolia</i> (Hochst.) Verdc.			
<i>Pentanisia prunelloides</i> (Klotzsch ex Eckl. & Zeyh.) Walp. subsp. <i>prunelloides</i>			
<i>Pentarrhinum insipidum</i> E.Mey.			
<i>Pentodon pentandrus</i> (Schumach. & Thonn.) Vatke var. <i>minor</i> Bremek.			
<i>Peperomia blanda</i> (Jacq.) Kunth			
<i>Periglossum cassnerianum</i> Schltr.			
<i>Perotis patens</i> Gand.			
<i>Persicaria attenuata</i> (R.Br.) Soják subsp. <i>africana</i> K.L.Wilson			

<i>Persicaria decipiens</i> (R.Br.) K.L.Wilson			
<i>Persicaria lapathifolia</i> (L.) Gray			
<i>Persicaria senegalensis</i> (Meisn.) Soják forma albotomentosa (R.A.Graham) K.L.Wilson			
<i>Phaulopsis imbricata</i> (Forssk.) Sweet subsp. <i>imbricata</i>			
<i>Philonotis dregeana</i> (Müll.Hal.) A.Jaeger			
<i>Philonotis falcata</i> (Hook.) Mitt.			
<i>Philonotis hastata</i> (Duby) Wijk & Margad.			
<i>Phragmites australis</i> (Cav.) Steud.			
<i>Phragmites mauritianus</i> Kunth			
<i>Phygelius aequalis</i> Harv. ex Hiern			
<i>Phyllanthus incurvus</i> Thunb.			
<i>Phyllanthus maderaspatensis</i> L.			
<i>Phyllanthus meyerianus</i> Müll.Arg.			
<i>Phyllanthus nummulariifolius</i> Poir. var. <i>nummulariifolius</i>			
<i>Phyllanthus parvulus</i> Sond. var. <i>garipensis</i> (E.Mey. ex Drège) Radcl.-Sm.			
<i>Phyllanthus parvulus</i> Sond. var. <i>parvulus</i>			
<i>Phyllanthus reticulatus</i> Poir. var. <i>reticulatus</i>			
<i>Phyllanthus</i> sp.			
<i>Phymaspernum acerosum</i> (DC.) Källersjö			
<i>Physalis angulata</i> L.			
<i>Physalis peruviana</i> L.			
<i>Phytolacca octandra</i> L.			
<i>Pimpinella transvaalensis</i> H.Wolff			
<i>Pittosporum viridiflorum</i> Sims			
<i>Plagiochasma rupestre</i> (J.R.& G.Forst.) Steph. var. <i>rupestre</i>			
<i>Plagiochila divergens</i> Steph.			
<i>Plantago lanceolata</i> L.			
<i>Plantago longissima</i> Decne.			
<i>Plantago major</i> L.			
<i>Platycoryne mediocris</i> Summerh.	EN*		
<i>Plectranthus cylindraceus</i> Hochst. ex Benth.			
<i>Plectranthus esculentus</i> N.E.Br.	DD		
<i>Plectranthus fruticosus</i> L'Hér.			
<i>Plectranthus grandidentatus</i> Gürke			
<i>Plectranthus hadiensis</i> (Forssk.) Schweinf. ex Spreng. var. <i>tomentosus</i> (Benth.) Codd			
<i>Plectranthus hadiensis</i> (Forssk.) Schweinf. ex Spreng. var. <i>woodii</i> (Gürke) Codd			
<i>Plectranthus laxiflorus</i> Benth.			
<i>Plectranthus rubropunctatus</i> Codd			
<i>Plectranthus spicatus</i> E.Mey. ex Benth.			
<i>Plectranthus strigosus</i> Benth.			
<i>Plectranthus verticillatus</i> (L.f.) Druce			
<i>Pleopeltis macrocarpa</i> (Bory ex Willd.) Kaulf. var. <i>macrocarpa</i>			
<i>Plumbago zeylanica</i> L.			
<i>Pogonarthria squarrosa</i> (Roem. & Schult.) Pilg.			

<i>Polygonatum capense</i> (Hampe) A.Jaeger			
<i>Polycarpea corymbosa</i> (L.) Lam. var. <i>corymbosa</i>			
<i>Polycarpea eriantha</i> Hochst. ex A.Rich. var. <i>eriantha</i>			
<i>Polygala albida</i> Schinz subsp. <i>albida</i>			
<i>Polygala capillaris</i> E.Mey. ex Harv. subsp. <i>capillaris</i>			
<i>Polygala houtboshiana</i> Chodat			
<i>Polygala producta</i> N.E.Br.			
<i>Polygala refracta</i> DC.			
<i>Polygala</i> sp.			
<i>Polygala transvaalensis</i> Chodat subsp. <i>transvaalensis</i>			
<i>Polygala virgata</i> Thunb. var. <i>decora</i> (Sond.) Harv.			
<i>Polygala wilmsii</i> Chodat			
<i>Polygonum aviculare</i> L.			
<i>Polypodium polypodioides</i> (L.) Watt subsp. <i>ecklonii</i> (Kunze) Schelpe			
<i>Polystachya ottoniana</i> Rchb.f.			
<i>Polystachya transvaalensis</i> Schltr.			
<i>Polystichum macleae</i> (Baker) Diels	LC		
<i>Polystichum transvaalense</i> N.C.Anthony			
<i>Polytrichum commune</i> Hedw.			
<i>Populus alba</i> L. var. <i>alba</i>			
<i>Potamogeton octandrus</i> Poir.			
<i>Pouzolzia mixta</i> Solms var. <i>mixta</i>			
<i>Pouzolzia parasitica</i> (Forssk.) Schweinf.			
<i>Premna mooiensis</i> (H.Pearson) W.Piep.			
<i>Priva cordifolia</i> (L.f.) Druce var. <i>abyssinica</i> (Jaub. & Spach) Moldenke			
<i>Priva meyeri</i> Jaub. & Spach var. <i>meyeri</i>			
<i>Protea gaguedi</i> J.F.Gmel.	LC		
<i>Pseudarthria hookeri</i> Wight & Arn.			
<i>Pseudarthria hookeri</i> Wight & Arn. var. <i>hookeri</i>			
<i>Pseudocrossidium crinitum</i> (Schultz) R.H.Zander			
<i>Pseudognaphalium luteo-album</i> (L.) Hilliard & B.L.Burtt			
<i>Psiadia punctulata</i> (DC.) Vatke			
<i>Psidium guajava</i> L.			
<i>Psilotum nudum</i> (L.) P.Beauv.	LC		
<i>Psoralea latifolia</i> (Harv.) C.H.Stirt.			
<i>Psychotria capensis</i> (Eckl.) Vatke subsp. <i>capensis</i> var. <i>capensis</i>			
<i>Psydrax obovata</i> (Eckl. & Zeyh.) Bridson subsp. <i>obovata</i>			
<i>Pteridium aquilinum</i> (L.) Kuhn subsp. <i>aquilinum</i>			
<i>Pteris buchananii</i> Baker ex Sim			
<i>Pteris catoptera</i> Kunze var. <i>catoptera</i>			
<i>Pteris vittata</i> L.			
<i>Pterocarpus angolensis</i> DC.			
<i>Pterocarpus rotundifolius</i> (Sond.) Druce subsp. <i>rotundifolius</i>			
<i>Pterocelastrus echinatus</i> N.E.Br.	LC		
<i>Ptychanthus striatus</i> (Lehm. & Lindenb.) Nees			
<i>Ptychomitrium crispatum</i> (Hedw.) A.Jaeger			
<i>Ptychomitrium subcrispatum</i> Thér. & P.de la Varde			

<i>Pulicaria scabra</i> (Thunb.) Druce			
<i>Pupalia lappacea</i> (L.) A.Juss. var. <i>lappacea</i>			
<i>Pycnostachys reticulata</i> (E.Mey.) Benth.			
<i>Pycnostachys urticifolia</i> Hook.			
<i>Pycreus macranthus</i> (Boeck.) C.B.Clarke			
<i>Pycreus mundii</i> Nees			
<i>Pycreus muricatus</i> (Kük.) Napper			
<i>Pycreus nigricans</i> (Steud.) C.B.Clarke			
<i>Pycreus nitidus</i> (Lam.) J.Raynal			
<i>Pycreus pelophilus</i> (Ridl.) C.B.Clarke			
<i>Pycreus polystachyos</i> (Rottb.) P.Beauv. var. <i>polystachyos</i>			
<i>Pycreus rehmannianus</i> C.B.Clarke			
<i>Pygmaeothamnus chamaedendrum</i> (Kuntze) Robyns var. <i>setulosus</i> Robyns			
<i>Rabdosiella calycina</i> (Benth.) Codd			
<i>Racopilum capense</i> Müll.Hal. ex Broth.			
<i>Radinosiphon leptostachya</i> (Baker) N.E.Br.			
<i>Ranunculus baurii</i> MacOwan			
<i>Ranunculus multifidus</i> Forssk.			
<i>Rapanea melanophloeos</i> (L.) Mez	Declining		
<i>Raphanus raphanistrum</i> L.			
<i>Raphionacme galpinii</i> Schltr.			
<i>Raphionacme hirsuta</i> (E.Mey.) R.A.Dyer			
<i>Raphionacme procumbens</i> Schltr.			
<i>Rauvolfia caffra</i> Sond.			
<i>Rendlia altera</i> (Rendle) Chiov.			
<i>Rhachithecium perpusillum</i> (Thwaites & Mitt.) Broth.			
<i>Rhamnus prinoides</i> L'Hér.			
<i>Rhamphicarpa fistulosa</i> (Hochst.) Benth.			
<i>Rhoicissus revoilii</i> Planch.			
<i>Rhoicissus tridentata</i> (L.f.) Wild & R.B.Drumm. subsp. <i>cuneifolia</i> (Eckl. & Zeyh.) Urton			
<i>Rhoicissus tridentata</i> (L.f.) Wild & R.B.Drumm. subsp. <i>tridentata</i>			
<i>Rhus</i> sp.			
<i>Rhynchosia capensis</i> (Burm.f.) Schinz			
<i>Rhynchosia caribaea</i> (Jacq.) DC.			
<i>Rhynchosia clivorum</i> S.Moore var. <i>clivorum</i>			
<i>Rhynchosia galpinii</i> Baker f.			
<i>Rhynchosia hirta</i> (Andrews) Meikle & Verdc.			
<i>Rhynchosia minima</i> (L.) DC. var. <i>minima</i>			
<i>Rhynchosia monophylla</i> Schltr.			
<i>Rhynchosia nervosa</i> Benth. ex Harv. var. <i>nervosa</i>			
<i>Rhynchosia nitens</i> Benth. ex Harv.	LC		
<i>Rhynchosia</i> sp.			
<i>Rhynchosia spectabilis</i> Schinz			
<i>Rhynchosia thorncroftii</i> (Baker f.) Burtt Davy			
<i>Rhynchosia totta</i> (Thunb.) DC.			
<i>Rhynchosia villosa</i> (Meisn.) Druce			
<i>Rhynchosia woodii</i> Schinz			

<i>Rhynchospora brownii</i> Roem. & Schult.			
<i>Rhynchosstiella zeyheri</i> (Spreng. ex Müll.Hal.) Broth.			
<i>Riccardia compacta</i> (Steph.) S.W.Arnell			
<i>Riccia atropurpurea</i> Sim			
<i>Riccia congoana</i> Steph.			
<i>Riccia okahandjana</i> S.W.Arnell			
<i>Richardia brasiliensis</i> Gomes			
<i>Richardia scabra</i> L.			
<i>Riocreuxia picta</i> Schltr.			
<i>Riocreuxia</i> sp.			
<i>Riocreuxia torulosa</i> Decne. var. <i>torulosa</i>			
<i>Rothea hirsuta</i> (Hochst.) R.Fern.			
<i>Rothea louwalbertsii</i> (P.P.J.Herman) P.P.J.Herman & Retief			
<i>Rothea myricoides</i> (Hochst.) Steane & Mabb.			
<i>Rothmannia capensis</i> Thunb.			
<i>Rothmannia globosa</i> (Hochst.) Keay			
<i>Rottboellia cochinchinensis</i> (Lour.) Clayton			
<i>Rubia cordifolia</i> L. subsp. <i>conotricha</i> (Gand.) Verdc.			
<i>Rubia horrida</i> (Thunb.) Puff			
<i>Rubia petiolaris</i> DC.			
<i>Rubus cuneifolius</i> Pursh			
<i>Rubus longepedicellatus</i> (Gust.) C.H.Stirt.			
<i>Rubus rigidus</i> Sm.			
<i>Rubus</i> sp.			
<i>Rubus x proteus</i> C.H.Stirt.			
<i>Ruellia cordata</i> Thunb.			
<i>Ruellia malacophylla</i> C.B.Clarke			
<i>Ruellia patula</i> Jacq.			
<i>Ruellia stenophylla</i> C.B.Clarke			
<i>Rumex crispus</i> L.			
<i>Rumex sagittatus</i> Thunb.			
<i>Rumohra adiantiformis</i> (G.Forst.) Ching			
<i>Ruttya ovata</i> Harv.			
<i>Salix mucronata</i> Thunb. subsp. <i>wilmsii</i> (Seemen) Immelman			
<i>Salix mucronata</i> Thunb. subsp. <i>woodii</i> (Seemen) Immelman			
<i>Salix</i> sp.			
<i>Salvia coccinea</i> Etli.			
<i>Salvinia molesta</i> D.S.Mitch.			
<i>Sansevieria hyacinthoides</i> (L.) Druce			
<i>Sarcostemma viminale</i> (L.) R.Br. subsp. <i>viminale</i>			
<i>Satyrium cristatum</i> Sond. var. <i>cristatum</i>			
<i>Satyrium hallackii</i> Bolus subsp. <i>ocellatum</i> (Bolus) A.V.Hall			
<i>Satyrium longicauda</i> Lindl. var. <i>longicauda</i>			
<i>Satyrium trinerve</i> Lindl.			
<i>Scabiosa columbaria</i> L.	LC		
<i>Scabiosa drakensbergensis</i> B.L.Burtt			
<i>Scadoxus puniceus</i> (L.) Friis & Nordal			

<i>Schefflera umbellifera</i> (Sond.) Baill.			
<i>Schistidium apocarpum</i> (Hedw.) Bruch & Schimp.			
<i>Schistostephium crataegifolium</i> (DC.) Fenzl ex Harv.			
<i>Schistostephium heptalobum</i> (DC.) Oliv. & Hiern			
<i>Schistostephium rotundifolium</i> (DC.) Fenzl ex Harv.			
<i>Schizachyrium exile</i> (Hochst.) Pilg.			
<i>Schizachyrium sanguineum</i> (Retz.) Alston			
<i>Schizocarphus nervosus</i> (Burch.) Van der Merwe			
<i>Schizoglossum bidens</i> E.Mey. subsp. <i>galpinii</i> (Schltr.) Kupicha			
<i>Schizoglossum cordifolium</i> E.Mey.			
<i>Schkuhria pinnata</i> (Lam.) Kuntze ex Thell.			
<i>Schlotheimia ferruginea</i> (Bruch ex Hook. & Grev.) Brid.			
<i>Schoenoplectus brachyceras</i> (Hochst. ex A.Rich.) Lye			
<i>Schoenoxiphium</i> sp.			
<i>Schrebera alata</i> (Hochst.) Welw.			
<i>Scleria bulbifera</i> Hochst. ex A.Rich.			
<i>Scleria melanomphala</i> Kunth			
<i>Scleria woodii</i> C.B.Clarke			
<i>Sclerocarya birrea</i> (A.Rich.) Hochst. subsp. <i>caffra</i> (Sond.) Kokwaro	LC		
<i>Sclerochiton harveyanus</i> Nees			
<i>Scolopia mundii</i> (Eckl. & Zeyh.) Warb.			
<i>Scolopia zeyheri</i> (Nees) Harv.			
<i>Searsia dentata</i> (Thunb.) F.A.Barkley			
<i>Searsia discolor</i> (E.Mey. ex Sond.) Moffett	LC		
<i>Searsia gueinzii</i> (Sond.) F.A.Barkley	LC		
<i>Searsia leptodictya</i> (Diels) T.S.Yi, A.J.Mill. & J.Wen forma <i>leptodictya</i>			
<i>Searsia lucida</i> (L.) F.A.Barkley forma <i>lucida</i>			
<i>Searsia natalensis</i> (Bernh. ex Krauss) F.A.Barkley			
<i>Searsia pentheri</i> (Zahlbr.) Moffett			
<i>Searsia pyroides</i> (Burch.) Moffett var. <i>gracilis</i> (Engl.) Moffett			
<i>Searsia pyroides</i> (Burch.) Moffett var. <i>integrifolia</i> (Engl.) Moffett			
<i>Searsia pyroides</i> (Burch.) Moffett var. <i>pyroides</i>			
<i>Searsia rogersii</i> (Schönland) Moffett	LC		
<i>Searsia transvaalensis</i> (Engl.) Moffett			
<i>Searsia tumulicola</i> (S.Moore) Moffett var. <i>meeuseana</i> (R. & A.Fern.) Moffett forma <i>pumila</i> (Moffett) Moffett			
<i>Searsia tumulicola</i> (S.Moore) Moffett var. <i>tumulicola</i>			
<i>Sebaea filiformis</i> Schinz			
<i>Sebaea grandis</i> (E.Mey.) Steud.			
<i>Sebaea sedoides</i> Gilg var. <i>confertiflora</i> (Schinz) Marais			
<i>Sebaea</i> sp.			
<i>Secamone alpini</i> Schult.			
<i>Selaginella caffrorum</i> (Milde) Hieron.			
<i>Selaginella caffrorum</i> (Milde) Hieron. var. <i>caffrorum</i>			
<i>Selaginella dregei</i> (C.Presl) Hieron.			
<i>Selaginella kraussiana</i> (Kunze) A.Braun ex Kuhn			

<i>Selaginella mittenii</i> Baker			
<i>Selago atherstonei</i> Rolfe			
<i>Selago elata</i> Rolfe			
<i>Selago</i> sp.			
<i>Senecio coronatus</i> (Thunb.) Harv.			
<i>Senecio erubescens</i> Aiton var. <i>erubescens</i>			
<i>Senecio gerrardii</i> Harv.			
<i>Senecio glaberrimus</i> DC.			
<i>Senecio glandulos-pilosus</i> Volkens & Muschl.			
<i>Senecio inaequidens</i> DC.			
<i>Senecio inornatus</i> DC.			
<i>Senecio latifolius</i> DC.			
<i>Senecio mbuluzensis</i> Compton			
<i>Senecio microglossus</i> DC.			
<i>Senecio othonniflorus</i> DC.			
<i>Senecio oxyriifolius</i> DC.			
<i>Senecio panduriformis</i> Hilliard			
<i>Senecio pleistocephalus</i> S.Moore			
<i>Senecio polyodon</i> DC. var. <i>polyodon</i>			
<i>Senecio pterophorus</i> DC.			
<i>Senecio scitus</i> Hutch. & Burtt Davy			
<i>Senecio serratuloides</i> DC.			
<i>Senecio</i> sp.			
<i>Senecio speciosus</i> Willd.			
<i>Senecio subcoriaceus</i> Schltr.			
<i>Senecio tamoides</i> DC.			
<i>Senecio venosus</i> Harv.			
<i>Senna bicapsularis</i> (L.) Roxb.			
<i>Senna hirsuta</i> (L.) H.S.Irwin & Barneby			
<i>Senna occidentalis</i> (L.) Link			
<i>Senna pendula</i> (Willd.) H.S.Irwin & Barneby var. <i>glabrata</i> (Vogel) H.S.Irwin & Barneby			
<i>Senna petersiana</i> (Bolle) Lock			
<i>Senna septemtrionalis</i> (Viv.) H.S.Irwin & Barneby			
<i>Senna siamea</i> (Lam.) H.S.Irwin & Barneby			
<i>Sesamum alatum</i> Thonn.			
<i>Sesamum triphyllum</i> Welw. ex Asch. var. <i>triphyllum</i>			
<i>Sesbania bispinosa</i> (Jacq.) W.Wight var. <i>bispinosa</i>			
<i>Sesbania sesban</i> (L.) Merr. subsp. <i>sesban</i> var. <i>nubica</i> Chiov.			
<i>Setaria homonyma</i> (Steud.) Chiov.	LC		
<i>Setaria incrassata</i> (Hochst.) Hack.			
<i>Setaria lindenbergiana</i> (Nees) Stapf			
<i>Setaria megaphylla</i> (Steud.) T.Durand & Schinz			
<i>Setaria nigrirostris</i> (Nees) T.Durand & Schinz			
<i>Setaria plicatilis</i> (Hochst.) Hack. ex Engl.			
<i>Setaria pumila</i> (Poir.) Roem. & Schult.			
<i>Setaria sphacelata</i> (Schumach.) Stapf & C.E.Hubb. ex M.B.Moss var. <i>sericea</i> (Stapf) Clayton			
<i>Setaria sphacelata</i> (Schumach.) Stapf & C.E.Hubb. ex M.B.Moss var. <i>sphacelata</i>			

<i>Setaria sphacelata</i> (Schumach.) Stapf & C.E.Hubb. ex M.B.Moss var. <i>torta</i> (Stapf) Clayton			
<i>Setaria verticillata</i> (L.) P.Beauv.			
<i>Shirakiopsis elliptica</i> (Hochst.) Eßer			
<i>Sida acuta</i> Burm.f. subsp. <i>acuta</i>			
<i>Sida dregei</i> Burtt Davy			
<i>Sida pseudocordifolia</i> Hochr.			
<i>Sida rhombifolia</i> L. subsp. <i>rhombifolia</i>			
<i>Sida spinosa</i> L. var. <i>spinosa</i>			
<i>Silene bellidioides</i> Sond.			
<i>Silene burchellii</i> Otth var. <i>angustifolia</i> Sond.			
<i>Sisyranthus randii</i> S.Moore			
<i>Sisyranthus</i> sp.			
<i>Sium repandum</i> Welw. ex Hiern			
<i>Smilax anceps</i> Willd.			
<i>Smithia erubescens</i> (E.Mey.) Baker f.			
<i>Solanum giganteum</i> Jacq.			
<i>Solanum incanum</i> L. subsp. <i>incanum</i>			
<i>Solanum mauritianum</i> Scop.			
<i>Solanum panduriforme</i> E.Mey.			
<i>Solanum retroflexum</i> Dunal			
<i>Solanum rigescens</i> Jacq.			
<i>Solanum seaforthianum</i> Andrews var. <i>disjunctum</i> O.E.Schulz			
<i>Solanum terminale</i> Forssk. subsp. <i>terminale</i>			
<i>Solenostemon latifolius</i> (Hochst. ex Benth.) J.K.Morton			
<i>Sonchus asper</i> (L.) Hill subsp. <i>asper</i>			
<i>Sonchus dregeanus</i> DC.			
<i>Sonchus wilmsii</i> R.E.Fr.			
<i>Sopubia cana</i> Harv. var. <i>cana</i>			
<i>Sopubia cana</i> Harv. var. <i>glabrescens</i> Diels			
<i>Sopubia simplex</i> (Hochst.) Hochst.			
<i>Sorghastrum stipoides</i> (Kunth) Nash			
<i>Sorghum bicolor</i> (L.) Moench subsp. <i>arundinaceum</i> (Desv.) de Wet & Harlan			
<i>Sorghum bicolor</i> (L.) Moench subsp. <i>drummondii</i> (Steud.) de Wet			
<i>Sparrmannia ricinocarpa</i> (Eckl. & Zeyh.) Kuntze var. <i>ricinocarpa</i>			
<i>Spermacoce natalensis</i> Hochst.			
<i>Spermacoce senensis</i> (Klotzsch) Hiern			
<i>Sphaerocodon natalense</i> (Meisn.) Hook.f.			
<i>Sphedamnocarpus pruriens</i> (A.Juss.) Szyszyl. subsp. <i>galphimiifolius</i> (A.Juss.) P.D.de Villiers & D.J.Botha			
<i>Sphedamnocarpus pruriens</i> (A.Juss.) Szyszyl. subsp. <i>pruriens</i>			
<i>Sphenostylis angustifolia</i> Sond.			
<i>Spilanthes mauritiana</i> (Pers.) DC.			
<i>Sporobolus centrifugus</i> (Trin.) Nees			
<i>Sporobolus congoensis</i> Franch.			
<i>Sporobolus pyramidalis</i> P.Beauv.			

<i>Sporobolus</i> sp.			
<i>Sporobolus stapfianus</i> Gand.			
<i>Squamidium brasiliense</i> (Hornschr.) Broth.			
<i>Stachys aethiopica</i> L.			
<i>Stachys graciliflora</i> C.Presl			
<i>Stachys natalensis</i> Hochst. var. <i>natalensis</i>			
<i>Stachys nigricans</i> Benth.			
<i>Stachys simplex</i> Schltr.			
<i>Stachytarpheta mutabilis</i> (Jacq.) Vahl			
<i>Stachytarpheta urticifolia</i> (Salisb.) Sims			
<i>Stapelia gigantea</i> N.E.Br.	LC		
<i>Stephania abyssinica</i> (Quart.-Dill. & A.Rich.) Walp. var. <i>abyssinica</i>			
<i>Stephania abyssinica</i> (Quart.-Dill. & A.Rich.) Walp. var. <i>tomentella</i> (Oliv.) Diels			
<i>Sterculia murex</i> Hemsl.			
<i>Sterculia rogersii</i> N.E.Br.			
<i>Stiburus alopecuroides</i> (Hack.) Stapf			
<i>Stoebe vulgaris</i> Levyns			
<i>Stomatianthes africanus</i> (Oliv. & Hiern) R.M.King & H.Rob.			
<i>Strelitzia caudata</i> R.A.Dyer			
<i>Streptocarpus confusus</i> Hilliard subsp. <i>confusus</i>			
<i>Streptocarpus cyaneus</i> S.Moore subsp. <i>polackii</i> (B.L.Burtt) Weigend & T.J.Edwards			
<i>Streptocarpus dunnii</i> Hook.f.			
<i>Streptocarpus roseo-albus</i> Weigend & T.J.Edwards			
<i>Striga asiatica</i> (L.) Kuntze			
<i>Striga bilabiata</i> (Thunb.) Kuntze subsp. <i>bilabiata</i>			
<i>Striga elegans</i> Benth.			
<i>Striga gesnerioides</i> (Willd.) Vatke			
<i>Striga junodii</i> Schinz			
<i>Strychnos madagascariensis</i> Poir.			
<i>Strychnos spinosa</i> Lam. subsp. <i>spinosa</i>			
<i>Stylochaeton natalensis</i> Schott			
<i>Stylosanthes fruticosa</i> (Retz.) Alston			
<i>Styppeiochloa gynoglossa</i> (Gooss.) De Winter			
<i>Symphyogyna brasiliensis</i> Nees & Mont.			
<i>Syncolostemon canescens</i> (Gürke) D.F.Otieno			
<i>Syncolostemon persimilis</i> (N.E.Br.) D.F.Otieno			
<i>Syncolostemon petiolatus</i> (M.Ashby) D.F.Otieno			
<i>Syncolostemon punctatus</i> (Codd) D.F.Otieno			
<i>Syncolostemon subvelutinus</i> (Gürke) D.F.Otieno			
<i>Syncolostemon transvaalensis</i> (Schltr.) D.F.Otieno			
<i>Syngonanthus wahlbergii</i> (Wikstr. ex Körn.) Ruhland var. <i>wahlbergii</i>			
<i>Syzygium cordatum</i> Hochst. ex C.Krauss subsp. <i>cordatum</i>			
<i>Syzygium gerrardii</i> (Harv. ex Hook.f.) Burtt Davy			
<i>Syzygium guineense</i> (Willd.) DC. subsp. <i>guineense</i>			
<i>Tabernaemontana elegans</i> Stapf			

<i>Tabernaemontana ventricosa</i> Hochst. ex A.DC.			
<i>Tacazzea apiculata</i> Oliv.			
<i>Talinum arnotii</i> Hook.f.			
<i>Talinum cafrum</i> (Thunb.) Eckl. & Zeyh.	LC		
<i>Tapinanthus</i> sp.			
<i>Tarchonanthus parvicapitulatus</i> P.P.J.Herman			
<i>Tarchonanthus trilobus</i> DC. var. <i>galpinii</i> (Hutch. & E.Phillips) Paiva			
<i>Tarenna supra-axillaris</i> (Hemsl.) Bremek. subsp. <i>barbertonensis</i> (Bremek) Bridson			
<i>Teclea natalensis</i> (Sond.) Engl.			
<i>Tecoma capensis</i> (Thunb.) Lindl.			
<i>Teedia lucida</i> (Sol.) Rudolphi			
<i>Tenrhynaea phyllicifolia</i> (DC.) Hilliard & B.L.Burtt			
<i>Tephrosia burchellii</i> Burtt Davy			
<i>Tephrosia capensis</i> (Jacq.) Pers. var. <i>capensis</i>			
<i>Tephrosia elongata</i> E.Mey. var. <i>elongata</i>			
<i>Tephrosia elongata</i> E.Mey. var. <i>tzaneenensis</i> (H.M.L.Forbes) Brummitt			
<i>Tephrosia euchroa</i> I.Verda			
<i>Tephrosia glomeruliflora</i> Meisn. subsp. <i>meisneri</i> (Hutch. & Burtt Davy) Schrire			
<i>Tephrosia longipes</i> Meisn. subsp. <i>longipes</i> var. <i>longipes</i>			
<i>Tephrosia lupinifolia</i> DC.			
<i>Tephrosia macropoda</i> (E.Mey.) Harv. var. <i>macropoda</i>			
<i>Tephrosia multijuga</i> R.G.N.Young			
<i>Tephrosia radicans</i> Baker			
<i>Tephrosia retusa</i> Burtt Davy			
<i>Tephrosia rhodesica</i> Baker f. var. <i>evansii</i> (Hutch. & Burtt Davy) Brummitt			
<i>Tephrosia rhodesica</i> Baker f. var. <i>rhodesica</i>			
<i>Tephrosia shiluwanensis</i> Schinz			
<i>Tephrosia subulata</i> Hutch. & Burtt Davy			
<i>Tephrosia villosa</i> (L.) Pers. subsp. <i>ehrenbergiana</i> (Schweinf.) Brummitt var. <i>daviesii</i> Brummitt			
<i>Tephrosia villosa</i> (L.) Pers. subsp. <i>ehrenbergiana</i> (Schweinf.) Brummitt var. <i>ehrenbergiana</i>			
<i>Terminalia phanerophlebia</i> Engl. & Diels			
<i>Terminalia sericea</i> Burch. ex DC.			
<i>Tetradenia riparia</i> (Hochst.) Codd			
<i>Tetraselago longituba</i> (Rolle) Hilliard & B.L.Burtt			
<i>Thalictrum rhynchocarpum</i> Quart.-Dill. & A.Rich.			
<i>Thelypteris confluens</i> (Thunb.) C.V.Morton			
<i>Themeda triandra</i> Forssk.			
<i>Thesium asterias</i> A.W.Hill			
<i>Thesium breyeri</i> N.E.Br.	DD		
<i>Thesium costatum</i> A.W.Hill var. <i>costatum</i>			
<i>Thesium gypsophiloides</i> A.W.Hill			
<i>Thesium magalismontanum</i> Sond.			
<i>Thesium multiramulosum</i> Pilg.	LC		
<i>Thesium pottiae</i> N.E.Br.			

<i>Thesium racemosum</i> Bernh.			
<i>Thesium resedoides</i> A.W.Hill			
<i>Thuidium matarumense</i> Besch.			
<i>Thunbergia atriplicifolia</i> E.Mey. ex Nees			
<i>Thunbergia natalensis</i> Hook.			
<i>Thunbergia pondoensis</i> Lindau			
<i>Tinnea galpinii</i> Briq.			
<i>Toddalia asiatica</i> (L.) Lam.			
<i>Tolpis capensis</i> (L.) Sch.Bip.			
<i>Toona ciliata</i> M.Roem.			
<i>Tortella humilis</i> (Hedw.) Jenn.			
<i>Trachyandra asperata</i> Kunth var. <i>asperata</i>			
<i>Trachyandra saltii</i> (Baker) Oberm. var. <i>saltii</i>			
<i>Trachyphylum gastrodes</i> (Welw. & Duby) A.Gepp			
<i>Trachypogon spicatus</i> (L.f.) Kuntze			
<i>Tradescantia fluminensis</i> Vell.			
<i>Tragia okanyua</i> Pax			
<i>Tragia rupestris</i> Sond.			
<i>Tragiella natalensis</i> (Sond.) Pax & K.Hoffm.			
<i>Tragus berteronianus</i> Schult.			
<i>Trema orientalis</i> (L.) Blume			
<i>Tribulus terrestris</i> L.			
<i>Tricalysia capensis</i> (Meisn. ex Hochst.) Sim var. <i>transvaalensis</i> Robbr.			
<i>Tricalysia lanceolata</i> (Sond.) Burtt Davy			
<i>Trichilia dregeana</i> Sond.	LC		
<i>Trichilia emetica</i> Vahl subsp. <i>emetica</i>	LC		
<i>Trichocladus grandiflorus</i> Oliv.			
<i>Trichodesma physaloides</i> (Fenzl) A.DC.			
<i>Tricholaena monachne</i> (Trin.) Stapf & C.E.Hubb.			
<i>Trichoneura grandiglumis</i> (Nees) Ekman			
<i>Trichopteryx dregeana</i> Nees			
<i>Trichostomum brachydontium</i> Bruch			
<i>Tricliceras tanacetifolium</i> (Klotzsch) R.Fern.			
<i>Tridax procumbens</i> L.			
<i>Trimeria grandifolia</i> (Hochst.) Warb. subsp. <i>grandifolia</i>			
<i>Tripogon minimus</i> (A.Rich.) Steud.			
<i>Tristachya leucothrix</i> Trin. ex Nees			
<i>Triumfetta pilosa</i> Roth var. <i>effusa</i> (E.Mey. ex Harv.) Wild			
<i>Triumfetta pilosa</i> Roth var. <i>tomentosa</i> Szyszyl. ex Sprague & Hutch.			
<i>Triumfetta rhomboidea</i> Jacq. var. <i>rhomboidea</i>			
<i>Triumfetta welwitschii</i> Mast. var. <i>hirsuta</i> (Sprague & Hutch.) Wild			
<i>Triumfetta welwitschii</i> Mast. var. <i>welwitschii</i>			
<i>Trochomeria debilis</i> (Sond.) Hook.f.			
<i>Trochomeria hookeri</i> Harv.			
<i>Tulbaghia acutiloba</i> Harv.			
<i>Tulbaghia ludwigiana</i> Harv.			
<i>Turraea nilotica</i> Kotschy & Peyr.			

<i>Turraea obtusifolia</i> Hochst.			
<i>Tylosema fassoglensis</i> (Schweinf.) Torre & Hillc.			
<i>Typha capensis</i> (Rohrb.) N.E.Br.			
Unknown sp.			
<i>Urochloa mosambicensis</i> (Hack.) Dandy			
<i>Urochloa panicoides</i> P.Beauv.			
<i>Urochloa</i> sp.			
<i>Urochloa stolonifera</i> (Gooss.) Chippind.			
<i>Utricularia arenaria</i> A.DC.			
<i>Utricularia gibba</i> L.			
<i>Utricularia livida</i> E.Mey.			
<i>Utricularia scandens</i> Benj.			
<i>Vaccaria hispanica</i> (Mill.) Rauschert var. <i>hispanica</i>			
<i>Vaccinium exul</i> Bolus			
<i>Vahlia capensis</i> (L.f.) Thunb. subsp. <i>vulgaris</i> Bridson var. <i>linearis</i> E.Mey. ex Bridson			
<i>Valeriana capensis</i> Thunb. var. <i>capensis</i>			
<i>Vangueria cyanescens</i> Robyns			
<i>Vangueria infausta</i> Burch. subsp. <i>infausta</i>			
<i>Vepris lanceolata</i> (Lam.) G.Don			
<i>Vepris reflexa</i> I.Verdc.			
<i>Verbena aristigera</i> S.Moore			
<i>Verbena bonariensis</i> L.			
<i>Verbena</i> sp.			
<i>Verbena venosa</i> Gillies & Hook.			
<i>Vernicia fordii</i> (Hemsl.) Airy Shaw			
<i>Vernicia montana</i> Lour.			
<i>Vernonia adoensis</i> Sch.Bip. ex Walp.			
<i>Vernonia amygdalina</i> Delile			
<i>Vernonia centaureoides</i> Klatt			
<i>Vernonia fastigiata</i> Oliv. & Hiern			
<i>Vernonia galpinii</i> Klatt			
<i>Vernonia hirsuta</i> (DC.) Sch.Bip. ex Walp.			
<i>Vernonia meiostephana</i> C.Jeffrey			
<i>Vernonia myriantha</i> Hook.f.			
<i>Vernonia natalensis</i> Sch.Bip. ex Walp.			
<i>Vernonia oligocephala</i> (DC.) Sch.Bip. ex Walp.			
<i>Vernonia schlechteri</i> O.Hoffm.			
<i>Vernonia steetziana</i> Oliv. & Hiern			
<i>Vernonia sutherlandii</i> Harv.			
<i>Vernonia tigna</i> Klatt			
<i>Vernonia wollastonii</i> S.Moore			
<i>Vesicularia galerulata</i> (Duby) Broth.			
<i>Vigna kokii</i> B.J.Pienaar			
<i>Vigna mdenia</i> B.J.Pienaar			
<i>Vigna schlechteri</i> Harms			
<i>Vigna</i> sp.			
<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>dekindtiana</i> (Harms) Verdc. var. <i>dekindtiana</i>			
<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>stenophylla</i> (Harv.)			

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<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i>			
<i>Vigna vexillata</i> (L.) A.Rich. var. <i>vexillata</i>			
<i>Vitex harveyana</i> H.Pearson			
<i>Vitex obovata</i> E.Mey. subsp. <i>obovata</i>			
<i>Vitex obovata</i> E.Mey. subsp. <i>wilmsii</i> (Gürke) C.L.Bredenkamp & D.J.Botha			
<i>Wahlenbergia androsacea</i> A.DC.	LC		
<i>Wahlenbergia banksiana</i> A.DC.			
<i>Wahlenbergia huttonii</i> (Sond.) Thulin			
<i>Wahlenbergia krebsii</i> Cham. subsp. <i>krebsii</i>			
<i>Wahlenbergia madagascariensis</i> A.DC.			
<i>Wahlenbergia</i> sp.			
<i>Wahlenbergia squamifolia</i> Brehmer			
<i>Wahlenbergia undulata</i> (L.f.) A.DC.			
<i>Waltheria indica</i> L.			
<i>Watsonia pulchra</i> N.E.Br. ex Goldblatt			
<i>Weissia controversa</i> Hedw.			
<i>Withania somnifera</i> (L.) Dunal			
<i>Xanthocercis zambesiaca</i> (Baker) Dumaz-le-Grand			
<i>Xenostegia tridentata</i> (L.) D.F.Austin & Staples subsp. <i>angustifolia</i> (Jacq.) Lejoly & Lisowski			
<i>Xerophyta retinervis</i> Baker			
<i>Ximenia americana</i> L. var. <i>microphylla</i> Welw. ex Oliv.			
<i>Ximenia caffra</i> Sond. var. <i>caffra</i>			
<i>Ximenia caffra</i> Sond. var. <i>natalensis</i> Sond.			
<i>Xymalos monospora</i> (Harv.) Baill.			
<i>Xyris capensis</i> Thunb.			
<i>Xyris rehmannii</i> L.A.Nilsson			
<i>Xysmalobium acerateoides</i> (Schltr.) N.E.Br.			
<i>Xysmalobium asperum</i> N.E.Br.			
<i>Xysmalobium confusum</i> Scott-Elliott			
<i>Zaluzianskya elongata</i> Hilliard & B.L.Burtt			
<i>Zaluzianskya spathacea</i> (Benth.) Walp.			
<i>Zantedeschia albomaculata</i> (Hook.) Baill. subsp. <i>albomaculata</i>			
<i>Zanthoxylum capense</i> (Thunb.) Harv.	LC		
<i>Zanthoxylum thornicroftii</i> (I.Verdc.) P.G.Waterman			
<i>Ziziphus mauritiana</i> Lam.			
<i>Ziziphus mucronata</i> Willd. subsp. <i>mucronata</i>			
<i>Zornia capensis</i> Pers.			
<i>Zornia capensis</i> Pers. subsp. <i>capensis</i>			
<i>Zornia linearis</i> E.Mey.			
<i>Zornia milneana</i> Mohlenbr.			

Appendix 4: Fauna checklists

Table 1 FROGS: Frogs expected to occur in the available natural habitats of the study area are listed below (Minter et al 2004).

Classification	Habitat	Status	Recorded
Class: Amphibia			
Order: Anura			
Family: Bufonidae			
Eastern Olive toad/ Northern Mottled Toad (<i>Bufo garmani</i>)	Various bushveld vegetation types in the Savanna biome. Prefer well-wooded low-lying areas. Breeds in vleis, pans and dams in open or wooded savanna. Occasionally in quiet backwaters of rivers and pools along small, slow-flowing streams.	Least concern Common and widespread – habitat not threatened; range may have expanded.	
Guttural toad (<i>Bufo gutturalis</i>)	Savanna, Grassland & Thicket biome: Breeds in open shallow pools, dams, rivers, streams or other more or less permanent water. Excavate burrows in soft ground.	Least concern Relatively secure as it is widely distributed.	Woodland
Flat backed toad / Striped Toad (<i>Bufo maculatus</i>)	Breeds in rivers and streams in savannas. Eggs in marginal pools and backwaters.	Least concern	
Red toad (<i>Schismaderma carens</i>)	Wide variety of vegetation types in Savanna biome, also in Rocky Highveld, and Grassland. Breeds in permanent, often fairly deep, muddy - pools, dams or waterholes in open or wooded savanna.	Least concern Not threatened. Adapts in disturbed areas. Tadpole survives in polluted water.	Rocky areas
Family: Hemisotidae			
Mottled Burrowing Frog / Mottled shovel-nosed frog (<i>Hemisus marmoratus</i>)	Breeds at the margins of pans where there is exposed mudbanks		
Family: Hyperoliidae			
Subfamily: Hyperoliiinae			
Painted reed frog (<i>Hyperolius marmoratus</i>)	Breeds in almost any permanent body of water in the lowveld and coastal regions.	Least concern	
Waterlily Frog (<i>Hyperolius pusillus</i>)	Breeds in pans and vleis especially where there are water lilies and other floating plants.		
Yellow striped reed Frog (<i>Hyperolius semidiscus</i>)	Breeds in dams especially where there are floating plants. May be found far away from breeding sites.	Endemic	
Green Reed Frog or Tinker Reed Frog (<i>Hyperolius tuberilinguis</i>)	Variety of bushveld vegetation types; Breeds in reed beds on the periphery of swamps or rivers, or dense vegetation surrounding inundated pans.	Does not acquire additional protection	
Family: Hyperoliidae			
Subfamily: Kassininae			
Bubbling kassina/ Running Frog (<i>Kassina senegalensis</i>)	Wide variety of vegetation types in Savanna and Grassland biomes. Breeds in both temporary and permanent water bodies: vleis, well-vegetated shallow pans, marshes and deeper dams in grassland.	Least concern Widely distributed and abundant. Does not require conservation attention. Dams improve breeding habitat.	
Red-legged kassina (<i>Kassina maculata</i>)	Wide variety of bushveld vegetation types. Breeding – well-vegetated pans, vleis, marshes, and dams.		
Golden Spiny Reed Frog (<i>Afrixalus aureus</i>)	Breeds in dense grass, sedges or bushes at the edges of shallow semi-permanent pans.		
Family: Hyperoliidae			
Subfamily: Leptopelinae			
Brown-backed Tree Frog (<i>Leptopelis mossambicus</i>)	Breeds in wooded savanna in the vicinity of streams and pans		
Family: Microhylidae			
Subfamily: Breviceptinae			
Bushveld rain frog (<i>Breviclops adspersus</i>)	Savanna biome: Semi-arid habitats with sandy to sandy-loam soils. Bushveld vegetation with a grassy ground layer and distinct upper layer of woody plants. Breeds in burrows in open and closed woodland with sandy soils. No standing water needed.	Least concern Does not appear to be at risk – game and cattle farming and reserves.	

Appendix: Fauna

Family: Microhylidae Subfamily: Phrynomerinae			
Banded rubber frog (<i>Phrynomantis bifasciatus</i>)	Variety of bushveld vegetation types in Savanna biome. Hot semi arid environments (50-1450m). Breeds in shallow temporary pans and pools, or inundated grass in savanna and Acacia. Also small shallow dams.	Common throughout its range – not threatened.	
Family: Xenopodinae			
Northern Platanna (<i>Xenopus muelleri</i>)	Breeds in wide variety of permanent bodies of water, including pans and quiet regions of rivers		
Common platanna (<i>Xenopus laevis</i>)	Most of the biomes. Historically occurred in streams, rivers and their pools. Currently in man-made water bodies. Breeds in any more or less permanent bodies of water. Breeding = non-breeding habitat. Eutrophic waters seem to produce the highest densities.	Least concern Not threatened in any part of its range.	
Family: Ranidae Subfamily: Petropedetinae			
Dwarf Puddle Frog (<i>Phrynobatrachus mababiensis</i>)	Breeds in any moist, marshy area, vlei, including those at edges of pans.		
Snoring puddle frog (<i>Phrynobatrachus natalensis</i>)	A variety of vegetation types in the Savanna and Grassland biome. Breeds in shallow to fairly deep water in temporary pans or pools or marshy areas associated with pans, small slow-flowing streams or vleis.	Least concern Abundant and often near human habitation.	
Family: Ranidae Subfamily: Raninae			
Plain grass frog / Northern Grass Frog (<i>Ptychadenia anchietae</i>)	Savanna biome. Found sheltering amongst grass and plant and plant debris on edges of breeding sites. Breeds in temporary pans, shallow pools in riverbeds, inundated grassland, vleis and dams. Adults occur in the grassy edges of rivers and streams, escape into the water.	Does not appear to be at risk.	
Sharp-nosed Grass (<i>Ptychadena oxyrhynchus</i>)	Breeds in pans, vleis and temporary pools.		
Mozambique Broad Banded Grass Frog (<i>Ptychadena mossambica</i>)	Breeds in shallow water of vleis, pans, floodplains and inundated grasslands.		
African bullfrog (<i>Pyxicephalus edulis</i>)	Several bushveld vegetation types. Flat, low-lying areas in open grassy woodland that become flooded after heavy rain or contain shallow seasonal pans. Breeds in rain-filled pools.	Not at risk	
Common river frog / Common Rana (<i>Afrana angolensis</i>)	Grassland and Savanna biomes. Adults occur in the grassy edges of rivers and streams, escape into the water. Breeds in both standing and flowing water: slowly flowing streams or other permanent bodies of water favoring those with aquatic vegetation. Edges of pools, dams, streams and slow-flowing rivers.	Least concern Widespread – found in all rivers, ponds, farm dams and other wetlands in its range. Not generally threatened.	
Ornate Frog (<i>Hildebrandtia ornata</i>)	Variety of bushveld vegetation types. Deep sandy soils. Breed – shallow temporary pans in dry open woodland, often with emergent grass.	Not threatened	
Red-backed Pyxie / Russet-backed sand frog (<i>Tomopterna marmorata</i>)	Breeds in quiet regions of rivers or streams with sandy substrates.		
Tremolo sand frog / Striped Pyxie (<i>Tomopterna cryptotis</i>)	Breeds in temporary rain pools and vleis in open savanna, including arid areas.	Least concern	
Natal sand frog / Natal Pyxie (<i>Tomopterna natalensis</i>)	Variety of vegetation types in the Grassland and Savanna biome. Annual rainfall: 300-1000mm. Breeds in shallow permanent streams, rivers, and other places where water flows slowly, but also in standing water: furrows or vleis in grassland.	Least concern This widespread species does not appear to require conservation action.	
Family: Rhacophoridae			
Grey Tree Frog (<i>Chiromantis xerampelina</i>)	Breeds over pans and rivers in constructing foam nests		

Table 2 REPTILES: Reptiles expected to occur in the available natural habitats on the site are listed below. Available habitat, expected occurrence and observed presence of reptiles during the survey (Branch, 1998).

Classification	Habitat	Status	Recorded
Class: Reptilia			
Order: Testudines			
Suborder: Cryptodira			
Family: Testudinidae - Tortoises			
Leopard tortoise (<i>Geochelone pardalis</i>)	Montane grassveld, fynbos, valley bushveld, arid and mesic savanna. Level areas in open woodland and scrub or wooded grassland. A shelter in crevices in rock outcrops, under rocks or in burrows dug into old termitaria or earthen banks. Aestivates – in old termitaria or tightly fitting burrows, excavate under rocks, logs – scrape into earth embankments.	Protected CITES Appendix II	
Speke's hinged-back tortoise (<i>Kinixys belliana spekii</i>)	Tropical bushveld (humid conditions) and savanna. Low lying open woodland and scrub. Occur on flats but mostly associated with rocky hillsides. Shelters in crevices in rock outcrops, under rocks or in burrows, dug into old termitaria or earthen banks.	Protected CITES Appendix II	
Natal hinged tortoise (<i>Kinixys natalensis</i>)	Open savanna woodland, dry rocky areas, including granite outcrops. Shelter beneath rocks on soil.	Endemic Rare LR/nt CITES Appendix II	
Family: Pelomedusidae - Terrapins			
Marsh terrapin / Helmeted terrapin / Cape terrapin (<i>Pelomedusa subrufa</i>)	Grassland, Closed woodland, Rivers, Seasonal pools, Pans. Slow-moving and still water, including natural temporary veld pans and pools (seasonal waters) away from perennial rivers and dams (permanent water - crocodiles). Basking - at water's edge, exposed rock, and protruding log or mud bank; fresh or stagnant water-bodies (tolerates wide variation in water quality). Bury themselves up to 5 cm deep in soil, mud or debris to aestivate during winter.		
Serrated hinged terrapin (<i>Pelusios sinuatus</i>)	Perennial rivers and more permanent waterholes, pans and dams; upland savanna and lowveld. Basking on sandbank protruding rock or submerged log or back of sleeping hippo and crocodiles.		
Order: Squamata			
Suborder: Serpentes			
Family: Typhlopidae			
Bibron's blind snake (<i>Typhlops bibroni</i>)	Highveld and coastal grassland: Under stones and in termitaria.	N-Endemic protected. Widespread Secure and out of danger.	
Delalande's blind snake (<i>Rhinotyphlops lalandei</i>)	Found in variety of veld types. Varied, semi-desert, savanna: Under stones and in termitaria. Is most commonly found in or near the nest of termites or under loose boulders.	Endemic	
Schlegel's blind snake (<i>Rhinotyphlops schlegelii</i>)	Found in variety of veld types. Varied, semi-desert, savanna: Deep subterranean species.		
Family: Leptotyphlopidae			
Long-tailed thread snake (<i>Leptotyphlops longicaudus</i>)	Lowveld: Under decaying hardwood stumps and loose boulders. Moist savanna.		
Cape thread snake / Lesser worm snake (<i>Leptotyphlops conjunctus incognitus</i>)	Varied, burrow underground. Lives underground and only wriggle to surface after being flooded by heavy rains from their underground retreats. In or under rotting logs, among the roots of grass and small bushes. In particularly in or near termitaria where there is an abundance of termites.	N- Endemic Protected	
Black thread snake (<i>Leptotyphlops nigricans</i>)	Fossorial: under stones, among roots of grass tussocks; moribund termitaria.	Endemic Protected	
Peter's thread snake / Glossy worm snake (<i>Leptotyphlops scutifrons scutifrons</i>)	Varied; grassland, coastal bushland mesic and arid savanna. Grassland, mesic and arid savanna: Burrow underground. Usually taken under stones.		
Distant's thread snake (<i>Leptotyphlops distantii</i>)	Varied, coastal bush, grassland and savanna. Burrow underground. Usually taken under stones.	Endemic Protected	
Family: Boidae			
Common African python / African rock python (<i>Python sebae</i>)	Moist, rocky, well-wooded valleys, reed-beds or even bush country, seldom venture far from permanent water. Eggs are laid in hollow tree trunks,	Vulnerable Protected	

<i>natalensis)</i>	antbear holes or old termite hills.	CITES Appendix II	
Family: Atractaspididae			
Subfamily: Atractaspidinae			
Southern / Bibron's burrowing asp / Bibrons stiletto snake (<i>Atractaspis bibronii</i>)	Variable: grassland, scrub and open woodland to coastal forest in semi-arid to quite moist climates (sea level to 1700m), highveld grassland to semi desert. Occasionally found on surface on warm rainy nights in summer. Moribund termitaria. Rotting logs, under logs on soil, under stones, and crevices at ground level or under debris	Partially protected. Considered secure.	
Subfamily: Aparallactinae			
Black-headed / Cape centipede-eater (<i>Aparallactus capensis</i>)	Highveld and montane grassland, open woodland, open scrub veld, grassland, Open bush or savanna country: Moribund termitaria: Found in moribund termitaria, which offer shelter, warm and food. Under stones, under logs, among roots of shrubs and grasses.	Common, not threatened or endangered	
Common purple-glossed snake (<i>Amblyodipsas polylepis polylepis</i>)	Open woodland and scrub to coastal forest at altitudes from sea level to 1300m, savannah, entering dry forest. Fossorial (burrowing snake) and slow moving. In burrows or piles of vegetation, not found under rocks or logs. Seen abroad after heavy rains has fallen and soil becomes water-logged.		
Family: Colubridae			
Subfamily: Lamprophiinae			
Common brown water snake (<i>Lycodonomorphus rufulus</i>)	Water-living and confined to rivers, streams and other permanent water or the immediate vicinity thereof. Small streams, pans and vleis: Cover around water margins.		
Dusky-bellied Water Snake <i>Lycodonomorphus laevissimus</i>	Pools in slow flowing well wooded streams.	Endemic Uncommon	
Spotted house snake (<i>Lamprophis guttatus</i>)	Rocky and mountainous areas. Under rocks or in crevices between rocks at altitudes ranging from 800-2300m.	Endemic Uncommon but secure.	
Brown house snake (<i>Lamprophis fuliginosus</i>)	Found everywhere. Highveld grassland and karroid regions: Terrestrial Nocturnal. Eggs being laid in decaying vegetable matter, termite hills or other suitable location.	Widespread adaptable.	
Variegated wolf snake (<i>Lycophidion variegatum</i>)	Savanna inhabitants. Under stones, dead aloes and rotting logs.	Peripheral Protected	
Cape wolf snake (<i>Lycophidion capense capense</i>)	Grassland and savanna: Damp situations under stones and vegetable debris.	Widespread considered secure.	
Cape file snake (<i>Mehelya capensis capensis</i>)	Open woodland, mainly savanna; entering coastal forest and arid regions. Shelters under large rocks, logs or other debris.		
Nyasa file snake / Black file snake (<i>Mehelya nyassae</i>)	Savanna, entering coastal forest:		
Common slug eater (<i>Duberria lutrix lutrix</i>)	Highveld grassland & Savannah. Variable habitats – moist areas. Under stones, rotting logs, under plant litter. Moribund termitaria.		
Undetermined classification			
Sundevall's shovel-snout / Sundevall's streaky shovel-snout (<i>Prosymna sundevalli lineata</i>)	Open woodland. Dry areas, including savanna woodlands: burrow in loose soil. Nocturnal, partially fossorial. Under rocks, logs or even piles of bricks.	Endemic	
Two-striped shovel-snout / Twinstriped shovel-snout (<i>Prosymna bivittata</i>)	Open woodland and scrub (200-1400m); Acacia savanna, entering sandveld: Semi-fossorial - Burrowing species - Sandy localities, burrow in loose soil. Under rocks or under rotting logs.	Endemic	
Spotted shovel-snout / East-African shovel-snout (<i>Prosymna stuhlmanni</i>)	Fossorial: Under stones, logs, or heaps of decaying vegetable matter. In termitaria and other similar locations.		
Subfamily: Psammophinae			
Mopane snake (<i>Hemirhagerrhis nototaenia nototaenia</i>)	Savanna or woodland-savanna areas up to 1550m. Under rough bark of trees, often associated with Mopane bush.		
Rufous beaked snake (<i>Rhamphiophis oxyrhynchus rostratus</i>)	Sandy thorn- or bushveld country - rocky surroundings. Gerbil burrows or terminal chambers of termite hills.		
Striped skaapsteker / Three-lined grass snake (<i>Psammophylax tritaeniatus</i>)	Highveld grassland to open bushveld and scrub (300-1600m) Open grassland. Holes in moribund termitaria, under rocks, piles of grass. Flee to nearest shrub or clump of grass, or might flee into water – submerge to over 5min. Eggs laid under rock or other suitable cover.	Widespread under no immediate threat.	

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Western stripe-bellied sand snake (<i>Psammophis subtaeniatus subtaeniatus</i>)	Open woodland and scrub in arid areas, open dry savanna, thorn- or bushveld. Dry rocky hillsides in crevices between rocks, large termitaria, under loose bark or dead logs.		
Olive grass snake (<i>Psammophis phillipsii</i>)	Coastal plains and upland savanna: Bush along streams and rivers rather than the more open dry area. Mainly ground-living – in grass; may resort climbing on tops of bushes and shrubs in order to bask in sun. Pursued: quick moving, dash into thick cover where it lies still. Eggs are laid in piles of dead leaves or other similar location.		
Family: Colubridae			
Subfamily: Colubrinae			
Spotted bush snake / Variegated bush snake (<i>Philothamnus semivariegatus semivariegatus</i>)	Open woodland, scrub and coastal forest, open forest or savanna: Open forest or bush, even dry and far removed from water, however more frequently where water is – swims with ease. Coastal plain, along streams and rivers or along river courses. On rocky hillsides and mountains, shrubs and bushes on rocky ridges. Holes in trees or under loose bark. In crevices between or under rocks. In holes in large termitaria of <i>Macrotermes</i> . Take refuge to trees if disturbed.	Widespread currently secure.	
Green water snake / Southeastern green snake (<i>Philothamnus hoplogaster</i>)	Coastal plains to higher inland savanna (Arid and mesic savanna) and even montane forest. Home near water where it hunts for frogs, frequenting marshes, ponds, rivers, reedbeds, vleis and streams.	Widespread not common.	
Natal water snake / Eastern Natal green snake (<i>Philothamnus natalensis natalensis</i>)	Wet montane and dry forest: Reedbeds, vleis and streams.		
Natal water snake / Eastern Natal green snake (<i>Philothamnus natalensis occidentalis</i>)	In shrubs or trees close to water.	Uncommon, secure.	
Rhombic egg eater / Common egg-eater (<i>Dasyppeltis scabra</i>)	Widespread in most veld types: from sea level to an altitude of 2300m. Common in grassveld and bushveld. Mainly terrestrial, but climb trees in search of birds' eggs. Any place where it can find shelter: Moribund termitaria, rock crevices, rock faces, heaps of rubble, rotting logs.	Widespread common. Secure.	
Herald snake / Red-lipped snake (<i>Crotaphopeltis hotamboeia</i>)	Most habitats: Savannah and open woodland; Grassland to coastal forest but not in desert. Preference for damp localities Marshy areas. Under virtually any available cover: Under rocks, in termitaria. Eggs laid in vegetable matter.	Partially protected. Occurs widely. Considered secure.	
Eastern tiger snake (<i>Telescopus semiannulatus semiannulatus</i>)	Savanna and sandveld: Well-wooded areas from sea level to 1600m. May be found in grassland. Terrestrial, old dead trees, under rocks, in crevices, in small shrubs and weavers' nests.		
Marbled tree snake (<i>Dipsadoboaaulica</i>)	Riparian and coastal forest: Under some debris under large shady trees; hollow logs, under bark, piles of vegetation.		
Tree-snake / Boomslang (<i>Dispholidus typus typus</i>)	Common in most wooded regions outside actual rainforests. From closed woodland through more open areas to scrub, from sea level to 1700m. Diurnal, mostly arboreal; move through branches of trees, shrubs and bushes. Mating takes place in trees and eggs are deposited in holes or hollows of trees, woodpeckers' nests or leaf litter on ground wherever suitable conditions exist. Take shelter in holes in trees and large termitaria and hibernate in holes in trees.	Widespread secure.	
Southern vine snake / Twig snake / Bird snake (<i>Thelotornis capensis capensis</i>)	Savanna woodland: Open or closed woodland or coastal forest from sea level to 1200m. Almost exclusively arboreal: Live amongst the branches of trees. Entering holes in evergreen trees on slope during cold periods. May hibernate in hole in tree and even hole in ground.	Widespread considered secure.	
Family: Elapidae			
Subfamily: Elapinae			
Boulenger's Half-banded garter snake (<i>Elapsoidea boulengeri</i>)	Mesic savanna; moister regions.		
Sundevall's garter snake / Longtailed garter snake (<i>Elapsoidea sundevalli media</i>)	Varied: coastal forest, highveld grassland, arid and mesic savanna. Old termitaria and under stones.	Endemic	
Snouted cobra (<i>Naja annulifera</i>)	Savanna: Usually in drier regions – bush- and lowveld. Permanent or semi-permanent home or retreat. Animal or other hole in the ground or in a tree, in termite hills or under outcrops of rocks or boulders. Eggs laid in some suitable, sheltered hole or cavity in the ground or in trees.		
Mozambique spitting cobra / Mfesi (<i>Naja mossambica</i>)	Savanna: Rocky outcrops and hillsides in fairly closed woodland at altitudes from sea-level to 1750m along rivers or localities near water. Holes in	Widespread common.	Wood land

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	termitaria and other animal burrows.	Status is secure.	
Black mamba (<i>Dendroaspis polylepis</i>)	Savanna & open coastal bush below 1500m: Lower lying, drier more open woodland and scrub to wooded grassland, moist savanna and lowland forest (900-1200m). Ground living snake, also at home in bush, shrubs or trees - in thickets, commonly on hillsides and outcrops, granite hillocks, termite mounds, hollow tree trunks. Female will find a good place to lay eggs, burrow must be damp but not wet, and warm, but not too hot (termite nests).		Wood land
Family: Viperidae			
Subfamily: Causinae			
Puff adder (<i>Bitis arietans</i>)	Widespread: Fynbos, grassland, scrub and woody savannas, from sea level to 1800m. Any sort: rock on rock, rock on soil, logs, moribund grass.	Widespread status is secure.	
Snouted night adder (<i>Causus defilippii</i>)	Open to closed woodland from sea level to an altitude of 1200m. Under rocks on soil or under rotting logs, often associated with rocky outcrops, burrowing.		
Rhombic night adder (<i>Causus rhombeatus</i>)	Mesic savannah: In undergrowth, under stones or logs, in termitaria.	Widely distributed, uncommon. Status secure.	
Suborder: Amphisbaenia			
Family: Amphisbaenidae			
Van Dam's round headed worm lizard (<i>Zygaspis vandami</i>)	Savanha, alluvial sand, under tree strunks and rotting organic matter, feeds on termites.		
Dusky spade-snouted worm lizard (<i>Monopeltis infuscata</i>)	Dry and moist savanna on sandy soils.		
Suborder: Sauria			
Subfamily: Scincidae			
Lowveld Dwarf Burrowing Skink (<i>Scelotes breviceps</i>)	Underneath dead leaves and woody material. Eastern Lowveld bushveld.	Endemic	
SubFamily: Acontinae			
Giant legless skink (<i>Acontias plumbeus</i>)	Lowveld in woodland and alluvial sandy areas, forested areas. Fossorial: Usually found below soil surface in sandy soil admixed with vegetable matter, accumulated leaf litter and humic soils in damp situations. Under stones, logs and other rotting vegetation, termitaria and among roots of trees	Endemic Protected. Uncommon, widely distributed. Status secure.	
SubFamily: Lygosomatinae			
Sundevall's writhing skink (<i>Lygosoma sundevallii sundevallii</i>)	Sandy savanna and open bushveld country. A nocturnal fossorial to terrestrial species - lead largely a sub-terrestrial existence. In search of food they often burrow to the surface of the ground. Shelter under stones, rotting logs, accumulations of dead leaves and other debris. Eggs laid in a suitable nook underground, particularly termitaria.		
Rainbow rock skink (<i>Mabuya quinquevittata margaritifer</i>)	Rock-living form: Confined to rocky outcrops and koppies in bushveld country: sandstone, granite, rhyolite, dolerite and basalt, in vertical and horizontal crevices.	Protected. Status secure	11 Rocky areas
Striped skink (<i>Mabuya striata striata</i>)	Variety of bushveld and savanna types, and a wide range of ecological conditions from sea level to high mountain tops, desert to tropical bush. Although mainly arboreal, they also inhabit rocky koppies and will cross open ground readily. Among rocks and boulders, on the ground and in trees.		
Variable skink (<i>Mabuya varia</i>)	Varied.; Broken ground, rocks and tree bases. Very adaptive, wide variety of habitats: from sea level to high mountain slopes: Bushveld, open woodland and scrubby grasslands without rocks and grassland. Terrestrial and diurnal: Amongst rocks and stones at rocky or stony localities, but avoids extensive rocky areas. Also running on ground. Uses boles of trees (not higher than 75 cm in tree unless threatened), rocks or logs as vantage points to survey surroundings for prey. Forage in afternoon among leaf litter under trees or shrubs or amongst grass tussocks, under grass tufts, tree trunks or in any convenient hole in the ground. At night: among stones, beneath bark of fallen logs, in holes in the ground or buried in leaf-litter.	Widespread Considered secure.	18 Wood land Rocky areas

Wahlberg's snake-eyed skink (<i>Panapsis wahlbergii</i>)	From highveld grasslands and mountain tops through the bushveld and into the lowveld; Arid & mesic savanna: Forage among grass and leaf-litter, seeking prey under fallen leaves. Shelter among grass tussocks, Grass roots, under stones and rotting logs, in moribund termitaria and among leaf-litter in shady places under shrubs, in termite hills, and on broken ground. Eggs laid under a stone or log or Sheltered, under stones and rotting logs or among fallen leaves and brushwood lying in shady places, lying on moist ground or among the roots of a tree or shrub, grassy spots, shrubs and trees.	Protected. Widespread Considered secure.	
Family: Lacertidae			
Bushveld lizard (<i>Helobolus lugubris</i>)	Arid and mesic savanna, found in both sand- and bushveld country.		
Common rough-scaled lizard (<i>Ichnotropis squamulosa</i>)	Arid and mesic savanna, found in both sand- and bushveld country. Open woodland, scrub and grassland, at altitudes of 250-1400. More common in areas with sandy substrates, sandy flat clearings. Particularly on sandy soils where there it shelters in holes in the ground or where it can burrow itself. Forage among grass tufts or edge of bushes.		
Cape rough-scaled lizard (<i>Ichnotropis capensis</i>)	Arid and mesic savanna		
Ornate sandveld lizard (<i>Nucras ornata</i>)	Variety of habitats: open grassy or stony flats to sand- or bushveld country: sandy soils. Rocky hillsides and outcrops in open woodland and grassland. Forage singly among grass tussocks and in leaf litter. Shelter in holes in the ground and under rock on soil.		
Holub's long-tailed lizard (<i>Nucras holubi</i>)	Broken rocky ground in mesic savanna. Among grass tussocks, the base of bushes, holes in the ground, under rocks on soil and under debris.		
Spotted sandveld lizard / Spotted scrub lizard (<i>Nucras intertexta</i>)	Arid savanna – Kalahari sand: Open dry savanna. Holes in the ground, under rocks on soil, among grass tussocks and in leaf litter.		
Family: Gerrhosauridae			
Yellow-throated plated lizard (<i>Gerrhosaurus flavigularis</i>)	Bushveld, lowveld, grasslands (highveld) Savannah: Burrows at base of bushes, under boulders. Along rocky and stony hillsides, sandy flats.	Protected. Status secure.	
Rough-scaled plated lizard / Tawny plated lizard (<i>Gerrhosaurus major major</i>)	Lowveld in open to fairly dense woodland – around rocky outcrops or isolated kopjes in bushveld country. Rocky outcrops –crevices or hollows between rocks and boulders. Disused warrens of animals such as antbears, warthogs, small animal burrow - spring-hares, etc. old termitaria. Seldom found far from burrow – retreat at sign of danger.		
Black-lined plated lizard (<i>Gerrhosaurus nigrolineatus</i>)	Open savanna woodland, particularly gravelly soils, bushveld country. Deserted animal and other suitable holes, burrows of other animals, especially those of rodents. Disturbed: rush through vegetation back to burrow		
Giant plated lizard (<i>Gerrhosaurus validus validus</i>)	Arid and mesic savanna, open woodland (up to 1400m): Hills and outcrops in bushveld country. Terrestrial and rupicolous (rock-living); gregarious: confined to granitic and other boulder-strewn hills and outcrops. May forage several hundred meters from base of outcrop in which they live, quickly retreat back to suitable crevice or burrow in rocky retreats. Shelter in deep Crevices or Cracks between and under rocks on outcrops		
Family: Cordylidae			
Tropical girdled lizard (<i>Cordylus tropidosternum jonesi</i>)	Bushveld or open woodland (300-1500m), dry savanna: Under loose bark of dead trees or in the hollows or holes of living trees or dead stumps, in the dried leaves of aloes, in woodpiles and decaying logs. Under stones, dead logs and brushwood, where suitable trees are not available, amongst rocks at ground level.	Protected CITES Appendix II	
Wilhelm's flat lizard (<i>Platysaurus wihami</i>)	Varied, amongst rocks and crevices on rocky outcrops. Restricted to Southeastern Mpumalanga.	Endemic	7 Rocky areas
Family: Varanidae			
Rock monitor (<i>Varanus albigularis exanthematicus</i>)	Savanna and open bush or forest country, open woodland, rocky hillsides, ridges and outcrops. Terrestrial. Cracks and fissures between or under rocks, or in disused animal burrows or in hollow trees or holes in trees. Expert climbers: tree and rocks. Great wanderers – even far from water. Eggs deposited in holes in suitable soil dug to 150-230 mm - cover and camouflage nest.	Partially protected. Widespread status secure. CITES Appendix II	

Water monitor / Nile monitor (<i>Varanus niloticus niloticus</i>)	Near water: rivers, dams, pans and major lakes: Shelter in holes in banks, in animal burrows or in crevices between rocks or under rocks, marginal vegetation. Basking in sun on rocks, branches of overhanging trees or amongst vegetation on banks - never far from water Escape into water – swim swiftly. Eggs deposited in hole dug deep into a termite nest or sandbank by female, roughly covered over – termites seal up securely.	Partially protected. Widespread status secure. CITES Appendix II	
Family: Agamidae			
Southern tree agama (<i>Acanthocercus atricollis</i>)	Open woodland with large trees, areas covered by Acacia thickets, woodland or woodland savanna, open bush and forest country (not in rain forests). Arboreal; diurnal, lizards, most commonly - trunks of large trees. Descend to ground to forage and cross to another tree. Spend most of their time foraging in larger trees - more complex and provide greater refuge from predators, increased foraging surfaces and potential invertebrate. May shelter in holes, crevices, hollow tree trunk or crack in branch or under peeling bark. Lay eggs in hole dug in moist soil.		2 Wood land
Ground agama (<i>Agama culeata distanti</i>)	Semi-desert and savanna, feeds almost exclusively on ants and termites. Lay eggs in hole prepared under a rock or shrub.		
Family: Chamaeleonidae			
Flap-necked chameleon (<i>Chamaeleo dilepis dilepis</i>)	Various kinds of woodland and grassland: Savanna woodland; and wooded grassland, along streams: Wooded areas; branches of trees; branches of shrubs; Open forest and bush country, savanna woodland. Lays eggs in tunnel in damp soft soil at a sheltered spot. Diurnal, arboreal species, common in suitable habitat.	Protected CITES Appendix II	1 Wood land
Family: Gekkonidae			
Haacke's flat gecko (<i>Afroedura multiporis haackei</i>)	Very restricted range on rocky outcrops in the Witvlei- Nelspruit area and the Khandizwe hills in the KNP.	Endemic Protected	
Tropical house gecko (<i>Hemidactylus mabouia mabouia</i>)	Varied; arid and mesic savanna, and coastal bush. Arboreal in wild and very territorial. Common under loose tree bark and in the hollows of trees (particularly baobab), in the crowns of palms, and in rock cracks and crevices. In fact, in any dark convenient place on or above the ground (also piles of rubble). In the wild the eggs are laid under a rock or in a crevice and sometimes in a communal depository. Mainly nocturnal.		
Wahlberg's velvety gecko (<i>Homopholis wahlbergii</i>)	Land type varied – mesic and arid savanna. Living in holes of old tree trunks, holes in dead trees and branches, under bark, in holes in baobab trees, empty swallow nests in caves and rock overhangs, or amongst rocks and boulders – latter case prefer those lying in river-beds near the water; rock fissures, particularly on overgrown koppies along river beds. Feeding both day and night but forage away from their retreat only at night. Eggs are laid in a rock crack/ crevices or beneath loose bark and in holes in trees.		
Cape dwarf gecko (<i>Lygodactylus capensis</i>)	Well-wooded dry savanna: Open woodland and well-wooded dry savanna country. Diurnal and arboreal gecko. Inhabiting trees with holes or loose bark, which provides shelter. Also shelters among rocks and dead vegetation. Marked preference for Baobab, Acacia and Mopane – plenty suitable rough bark as cover. Eggs are laid in rock cracks, crevices, under stones or under loose bark. Forage in low scrub and on dead trees. Observed clinging, head down, near base of tree waiting for prey.		5 Wood land Rocky areas
Turner's thicktoed gecko (<i>Pachydactylus turneri</i>)	Grassland and mesic savannah: Terrestrial, rotting logs, disused termitaria, low rock cracks. Semi-desert and arid savanna, entering moist habitats.		
Speckled thicktoed gecko (<i>Pachydactylus punctatus</i>)	Varied. Preferring dry savannah. Sandy soils, tunnels beneath logs, rocks or other cover.		
Van Son's thicktoed gecko (<i>Pachydactylus vansonii</i>)	Land type: Varied – karroid veld, grassland and mesic savanna. Terrestrial; inhabits rocky outcrops and more frequently found under rocks or logs on soil; disused termitaria, occasionally low rock cracks. Solitary, nocturnal. At night – emerge to forage, it moves about on the ground in search of food. Eggs laid in soil under rocks or stones; or logs; in old termitaria in summer.	Endemic Protected. Status secure.	
Order: Crocodylia			
Family: Crocodylidae			
Nile Crocodile <i>Crocodylus niloticus</i>	Larger rivers, lakes, swamps and river mouths of lower lying areas of eastern subcontinent.	Vulnerable Protected	

Table 3. MAMMALS: Available habitat, expected occurrence and observed presence of mammals during the survey (Friedman & Daly 2004). Large game that has been eradicated historically is omitted.

Classification	Status	Habitat	Recorded
Order: Insectivora			
Family: Erinaceidae			
SA hedgehog (<i>Atelerix frontalis</i>)	Near Threatened	Wide variety of vegetation types. Dry habitats with ground cover for nesting.	
Family: Soricidae			
Greater dwarf shrew (<i>Suncus lixus</i>)	Data deficient	Very little known of this species	
Least dwarf shrew (<i>Suncus infinitesimus</i>)	Data deficient	Commonly associated with termitaria. Terrestrial.	
Swamp musk shrew (<i>Crocidura mariquensis</i>)	Data deficient	Moist habitats, thick grass along riverbanks, in reedbeds and in swamp.	
Tiny musk shrew (<i>Crocidura fuscomurina</i>)	Data deficient	All latitudes, wide tolerance. Terrestrial. Cover such as debris, fallen trees, wood piles or dense grass clumps.	
Reddish-grey musk shrew (<i>Crocidura cyanea</i>)	Data deficient	Dry terrain: Among rocks, in dense scrub and grass. Grassland and thick shrub bordering streams. Wet vleis with good grass cover.	
Greater red musk shrew (<i>Crocidura flavescens</i>)	Data deficient	Broken country with a dense cover of vegetation, areas of decaying leaf litter in damp places, thick undergrowth in vleis or along the banks of streams.	
Lesser grey-brown musk shrew (<i>Crocidura silacea</i>)	Data deficient	Catholic in habitat requirements; damp places.	
Lesser red musk shrew (<i>Crocidura hirta</i>)	Data deficient	In damp situations along rivers and streams. Low bushes, dense undergrowth, piles of debris and fallen logs.	
Lesser dwarf shrew (<i>Suncus varilla</i>)		Broad tolerance. Reliant on termite mounds.	
Order: Macroscelidae			
Family: Macroscelidinae			
Short-snouted elephant-shrew (<i>Elephantulus brachyrhynchus</i>)	Data deficient	Sandy ground with scrub or grass cover; fallen logs, piles of debris or holes in ground.	
Rock elephant shrew (<i>Elephantulus myurus</i>)	Least concern	Rocky areas: Rocky kopjes or piles of boulders – crevices in rocks	
Order: Chiroptera			
Family: Molossidae			
Little free-tailed bat (<i>Tadarida pumila</i>)	Least concern	Rocky environment with an abundance of crevices.	
Egyptian free-tailed bat (<i>Tadarida aegyptiaca</i>)	Least concern	Open grassland: Rock crevices, caves, hollow trees, behind loose bark of trees	
Family: Pteropodidae			
Wahlberg's fruit bat (<i>Epomophorus wahlbergi</i>)	Least concern	Thickets where there are fruit-bearing trees.	
Peter's (Gambian) fruit bat (<i>Epomophorus gambianus crypturus</i>)	Data deficient	Riverine or evergreen forests or in moist woodland where there are fruit-bearing trees.	
Egyptian fruit bat (<i>Rousettus aegyptiacus</i>)	Least concern	Availability of caves	
Family: Hipposideridae			
Sundevall's leaf-nosed bat (<i>Hipposideros caffer</i>)	Data deficient	Savanna woodland: Caves and subterranean habitats	
Short-eared trident bat (<i>Cloeotis percivali</i>)	Critically endangered	Mixed woodland savanna. Rest in caves and subterranean habitats.	
Family: Vespertilionidae			
Schreibers' long-fingered bat (<i>Miniopterus schreibersii</i>)	Near threatened	Cave dweller: Caves and subterranean habitats. Wide range of vegetational association.	
Temminck's hairy bat (<i>Myotis tricolor</i>)	Near threatened	Savannah woodland: Cave dweller- availability govern distribution.	
Banana bat (<i>Pipistrellus nanus</i>)		Forest and woodland savanna: Near bananas or Strelitzia trees, rolled-up terminal leaves of banana plants.	
Rusty bat (<i>Pipistrellus rusticus</i>)	Near threatened	Savanna woodland: riverine associations.	
Cape serotine bat (<i>Eptesicus capensis</i>)	Least concern	Savannah: Under bark of trees, base of aloe leaves.	
Yellow house bat (<i>Scotophilus dingani</i>)	Least concern	Savanna & mixed bushland: Narrow crevices, hollow trees.	

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Lesser yellow house bat (<i>Scotophilus bobornicus</i>)	Least concern	Savannah woodland: riverine conditions.	
Family: Nycteridae			
Egyptian / common slit-faced bat (<i>Nycterus thebaica</i>)	Least concern	Wide habitat tolerance. Vertical surfaces of tree trunks, rock faces, caves, holes in ground, hollow trees.	
Family: Rhinolophidae			
Darling's horseshoe bat (<i>Rhinolophus darlingi</i>)	Near threatened	Woodland savanna: Caves, and amongst piles of loose boulders.	
Geoffroy's horseshoe bat (<i>Rhinolophus clivosus</i>)	Near threatened	Savannah woodland: Forest fringes. Caves, rock crevices.	
Peak-saddle horseshoe bat (<i>Rhinolophus blasii</i>)	Vulnerable	Woodland; savanna: Caves and subterranean habitats	
Bushveld horseshoe bat (<i>Rhinolophus simulator</i>)	Least concern	Savanna woodland; dependent on substantial shelter in form of caves & mine shafts.	
Family: Emballonuridae			
Mauritian tomb bat (<i>Taphozous mauritianus</i>)	Least concern	Savanna: Vertical surfaces of tree trunks, rock faces	
Order: Primates			
Family: Cercopithecidae			
Chacma baboon (<i>Papio ursinus</i>)	Least concern	Widespread, diurnal: At night - Cliffs & high trees	
Vervet monkey (<i>Cercopithecus aethiops</i>)	Least concern	Woodland, diurnal: At night – Heavy foliage in high trees, rocky cliffs	
Family: Lorisidae			
Thick-tailed bush baby (<i>Otolemur crassicaudatus</i>)	Least concern	Forests and thickets. During the day - in the thick foliage of trees.	
Family: Galagonidae			
Lesser bushbaby (<i>Galago moholi</i>)	Least concern	Woodland: Nocturnal; arboreal – holes in trees, thick foliage, disused bird nests	
Order: Carnivora			
Family: Hyaenidae			
Aardwolf (<i>Proteles cristatus</i>)	Least concern	Savannah woodland and in scrub, grassland. Open country, nocturnal, and solitary. Rests in hole in ground. Independent on water. Dependant on availability of termites.	
Family: Felidae			
Leopard (<i>Panthera pardus</i>)	Least concern	Widespread. Broken country or forests. Nocturnal & solitary.	
Caracal (<i>Felis caracal</i>)	Least concern	Widespread – open scrub & woodland, open vleis and open grassland. Nocturnal & solitary. Litters born in holes in ground.	
African wild cat (<i>Felis lybica</i>)	Least concern	Widespread – Wide habitat tolerance. Rocky hillsides, underbrush, reedbeds, stands of tall grass. Litters born in dense underbrush or other substantial cover.	
Serval (<i>Felis serval</i>)	Near threatened	Proximity to water; tall grass	
Family: Canidae			
Side-striped jackal (<i>Canis adustus</i>)		Savanna and well-watered conditions; tall grass.	
Black-backed jackal (<i>Canis mesomelas</i>)	Least concern	Widespread. Wide habitat tolerance. Open terrain. Litters born in holes in ground.	
Family: Mustelidae			
Cape clawless otter (<i>Aonyx capensis</i>)	Least concern	Aquatic: Rivers, lakes, swamps and dams. Widespread. Litters born in holes in banks of rivers.	
Spotted-necked otter (<i>Lutra maculicollis</i>)	Near threatened	Aquatic: Rivers, lakes, swamps and dams, extensive areas of open water.	
African weasel / Striped weasel (<i>Poecilogale albinucha</i>)	Data deficient	Savannah: Moist grassland. Litters born in burrows.	
Striped polecat (<i>Ictonyx striatus</i>)	Least concern	Widespread. Wide habitat tolerance. Scrub cover, open grassland, and savannah woodland. Holes in the ground.	
Honey badger (<i>Mellivora capensis</i>)	Near threatened	Widespread. Not in desert. Use crevices in rocky areas, will also dig refuges. Rocky kopjes, scrub sandveld, open grassland, open woodland, riverine woodland and floodplain grassland.	
Family: Herpestidae			
Slender mongoose (<i>Galerella</i>)	Least concern	Widespread. Open areas. Underbrush or holes in the	

<i>sanguinea)</i>		ground, holes in termitaria.	
Meller's mongoose (<i>Rhynchogale melleri</i>)		Montane and tall grassland areas	
White-tailed mongoose (<i>Ichneumia albicauda</i>)	Least concern	Savannah woodland: Well watered areas. Not in desert, semi-desert or forest.	
Selous' mongoose (<i>Paracynictis selousi</i>)	Data deficient	Open country, frequenting vleis, floodplain and grasslands.	
Water mongoose (<i>Atilax paludinosus</i>)	Least concern	Well-watered terrain: Rivers, streams, marshes, swamps, wet vleis, dams.	
Banded mongoose (<i>Mungos mungo</i>)	Least concern	Wide habitat tolerance. Essential habitat requirement: woodland, underbrush, substrate detritus such as fallen logs and other vegetable debris. Acacia woodland.	
Large grey mongoose (<i>Herpestes ichneumon</i>)	Least concern	On fringes of rivers, swamps, lakes and dams. Riverine underbrush or reed beds.	
Dwarf mongoose (<i>Helogale parvula</i>)	Least concern	Widespread. Dry open woodland and on grassland where there is substrate litter and termitaria. Lives in permanent holes – termitaria, burrows deeply.	
Family: Viveridae			
Small-spotted genet (<i>Genetta genetta</i>)	Least concern	Widespread. Open arid: Woodland, open scrub and dry grassland or dry vlei areas. Trees. Nocturnal – nests in holes in the ground or in hollow trees.	
Large-spotted genet (<i>Genetta tigrina</i>)	Least concern	Better watered parts: Woodland, open scrub and dry grassland or dry vlei areas. Trees. Nocturnal – nests in holes in the ground or in hollow trees.	
African civet (<i>Civettictis civetta</i>)	Least concern	Widely distributed – forest and woodland where water is available. Nocturnal & solitary. Litters born in holes or dense underbrush.	
Order: Tubulidentata			
Family: Orycteropodidae			
Aardvark / Antbear (<i>Orycteropus afer</i>)	Least concern	Widespread. Wide habitat tolerance. Open woodland, scrub and grassland. Nocturnal. Lives in extensive burrows.	
Order: Hyracoidea			
Family: Procaviidae			
Rock dassie (<i>Procavia capensis</i>)	Least concern	Widespread where there is rocky habitat. Outcrops of rock – rocky crevices. Krantzes, rocky koppies, hillsides, piles of loose boulders – accompanied with bushes and trees. Crannies and crevices.	
Order: Pholidota			
Family: Manidae			
Pangolin (<i>Manis temminckii</i>)	Vulnerable	Wide habitat tolerance, absent from forests. Day – piles of leaves or other vegetable debris, holes in the ground	
Order: Artiodactyla			
Family: Hippopotamidae			
Hippopotamus (<i>Hippopotamus amphibius</i>)	Least concern	Suitable deep, open, permanent water (deep enough to allow it to submerge totally) with gently sloping sandbanks must be available and adjacent food supplies.	
Family: Bovidae			
Common / Grey duiker (<i>Sylvicapra grimmia</i>)	Least concern	Widespread. Presence of bush. Woodland with ample underbrush, grassland of medium and tall grass. Rest in bushes or tall grass.	
Red duiker (<i>Cephalophus natalensis</i>)	Least concern	Forest, dense thickets, thickly wooded ravines and dense coastal bush where there is surface water.	
Klipspringer (<i>Oreotragus oreotragus</i>)	Least concern	Restricted to rocky areas. Rocky shelter and steep rock faces.	
Steenbok (<i>Raphicerus campestris</i>)	Least concern	Widespread. Open country: Open grassland with stands of tall grass, scattered bushes or scrub and forbs. Avoid densely wooded areas.	
Impala (<i>Aepyceros melampus</i>)	Least concern	Woodland savanna: Widespread in light open woodland – surface water.	
Kudu (<i>Tragelaphus strepsiceros</i>)	Least concern	Widespread in savanna woodland. Areas of broken, rocky terrain with woodland cover & open water.	

Bushbuck (<i>Tragelaphus scriptus</i>)	Least concern	Riverine and thickets near water.	
Family: Suidae			
Bushpig (<i>Potamochoerus porcus</i>)	Least concern	Forests, thickets, riparian underbrush, reed beds or stands of tall grass where there is water. Nests of grass in secluded places.	
Warthog (<i>Phacochoerus aethiopicus</i>)	Least concern	Open areas of grassland, floodplain, vleis and around waterholes and pans. Deserted antbear holes.	
Order: Rodentia			
Family: Hystricidae			
Cape Porcupine (<i>Hystrix africaeaustralis</i>)	Least concern	Widespread: All types of country apart from swampy areas, very moist forests and barren desert areas. Nocturnal – resting in caves, rock cavities, holes in ground.	
Family: Sciuridae			
Tree squirrel (<i>Paraxerus cepapi</i>)	Least concern	Widespread in woodland: Diurnal – resting in holes in trees.	
Family: Bathyergidae			
Common Molerat (<i>Cryptomys hottentotus</i>)	Least concern	Loose sandy soils to stony soils and hills to montane and escarpment conditions. Tendency to loose sandy soil - especially alluvial soils along major rivers and streams. Karroid veldtypes, coastal renosterveld, coastal forests, thornveld, mopaneveld, savanna and pure grassveld, as well as temperate and transitional forests, scrub and bushveld.	
Family: Muridae			
Vlei Rat (<i>Otomys irroratus</i>)	Least concern	Grass-covered ground in proximity to streams and marshes.	
Angoni Vlei Rat (<i>Otomys argoniensis</i>)	Least concern	Savanna woodlands and grasslands – wet vleis, swamps and swampy areas along rivers. Fringes of rivers with reed beds, sedges and semi-aquatic grasses. Nests in grass near permanent water.	
Laminate Vlei Rat (<i>Otomys laminatus</i>)	Least concern Endemic	Moist habitats	
Pouched mouse (<i>Saccostomus campestris</i>)	Least concern	Widespread: In burrows, sandy soil or sandy alluvium	
Grey climbing mouse (<i>Dendromus melanotis</i>)	Least concern	Grassland with high grass.	
Chestnut climbing mouse (<i>Dendromus mystacalis</i>)	Least concern	Grassland with high grass.	
Brant's climbing mouse (<i>Dendromus mesomelas</i>)	Least concern	Tall grass or rank vegetation near water.	
Fat mouse (<i>Steatomys pratensis</i>)	Least concern	Grassland and savannas over sandy soils or sandy alluvium. On sandy ground in scrub or in sandy alluvium on the fringes of swamps, streams and rivers. Open woodland and abandoned cultivated lands.	
Water rat (<i>Dasyurus inconstans</i>)	Near threatened	Swamps, wet vleis and reed beds along rivers.	
Tete Veld Rat (<i>Aethomys ineptus</i>)	Least concern	Temperate grassland and savanna: Rocky crevices and piles of boulders.	
Namaqua Rock Mouse (<i>Aethomys namaquensis</i>)	Least concern	Widespread – rocky areas. Cracks and rock crevices of rocky kopjes or outcrops, or on piles of stones in the veld, low lying ridges and stony country and is often plentiful in old ruins, holes in trees or under bushes	
Tree Rat/mouse (<i>Thallomys paedulcus</i>)	Least concern	Acacia woodland: Living in crevices in the trunks, under loose strips of bark or in holes in the ground between the roots of the tree (Especially Acacia). Nocturnal.	
Single-striped Mouse (<i>Lemniscomys rosalia</i>)	Data deficient	Grassland: excavates burrows under the cover of matted grass.	
Multimammate mouse (<i>Praomys / Mastomys natalensis</i>)		Wide habitat tolerance, fond of grassland where there is some cover of low scrub. In dry watercourses or fringes of swamps. Frequents the fringes of pans where there are calcareous outcrops nearby. Partial to sandy ground, overgrown with scrub and grass. Under fallen logs, crevices between rocks, cavities inside pile of stones or debris or even holes in termite mounds.	

Appendix Fauna

		Nocturnal.	
Multimammate mouse (<i>Mastomys coucha</i>)	Least concern	Wide habitat tolerance: Households; fringes of agricultural land; In riverine associations running westwards into arid country	
Woodland mouse (<i>Grammomys dolichurus</i>)	Least concern	Predominantly arboreal: in forests and thickets, usually in damp places; constructs nests of grass or leaves in dense underbrush	
Pygmy Mouse (<i>Mus minutoides</i>)	Least concern	In all types of vegetation. Wide variety of habitats. Fairly damp country where there is high grass, bush or other cover. Under debris, fallen tree trunks and similar type of cover.	
Bushveld gerbil (<i>Tatera leucogaster</i>)	Data deficient	Widespread – light sandy soils or sandy alluvium. Nocturnal – lives in burrows under low bushes	
Brants' (Highveld) Gerbil (<i>Tatera brantsii</i>)	Least concern	Widespread – light sandy soils or sandy alluvium substrate with some scrub or grass cover. Peaty soils around marshes and pans. Prefer sandy soils, irrespective of the type of vegetation cover. Nocturnal – lives in burrows under low bushes	
Family: Myoxidae			
Rock Dormouse (<i>Graphiurus platyops</i>)	Data deficient	A rock-frequenting dormouse. Near or on rocky outcrops. In association with dassies. Also dry scrub thickets or dry riverbeds, frequenting trees.	
Woodland Dormouse (<i>Graphiurus murinus</i>)	Least concern	Widespread in woodland. Wooded areas. Large trees provide holes for shelter. Live in holes in trees or under loose bark.	
Family: Thryonomyidae			
Greater Canerat (<i>Thryonomys swinderianus</i>)	Least concern	Forest belts and open woodland wherever there is tall and matted grass or reeds growing in damp or wet places	
Order: Lagomorpha			
Family: Leporidae			
Scrub hare (<i>Lepus saxatilis</i>)	Least concern	Savannah woodland and in scrub, tall grass. Absent from forest, desert and open grass.	
Natal red rock rabbit (<i>Pronolagus crassicaudatus</i>)	Least concern Endemic	Rocky habitat: Rocky terrain or boulder-strewn areas – rest deep in rock crevices	