PLANT SPECIES COMPLIANCE STATEMENT: HOOGLAND SOUTH GRID CONNECTION





PRODUCED FOR SLR ON BEHALF OF RED CAP



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NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998) AND ENVIRONMENTAL IMPACT REGULATIONS, 2014 (AS AMENDED) – REPORTING REQUIREMENTS FOR SPECIALIST THEMES

GN 1150 of 30 October 2020: Terrestrial Plant Species Compliance Statement (Areas where no natural habitat remains. Natural areas where there is no suspected occurrence of SCC)	Section of Report
5.1 The compliance statement must be prepared by a SACNASP registered specialist under one of the two fields of practice (Botanical Science or Ecological Science).	P5
5.2 The compliance statement must:	Section 1
5.2.1 be applicable to the study area;	Section 1
5.2.2 confirm that the study area, is of "low" sensitivity for terrestrial plant species; and	Section 1
5.2.3 indicate whether or not the proposed development will have any impact on SCC.	Section 5
5.3.1 contact details and relevant experience as well as the SACNASP registration number of the specialist preparing the compliance statement including a curriculum vitae;	P7
5.3.2 a signed statement of independence by the specialist;	Section 2
5.3.3 a statement on the duration, date and season of the site inspection and the relevance of the season to the outcome of the assessment;	Section 2
5.3.4 a description of the methodology used to undertake the site survey and prepare the compliance statement, including equipment and modelling used where relevant;	Section 2
5.3.5 the mean density of observations/ number of samples sites per unit area.	Section 3
5.3.6 where required, proposed impact management actions and outcomes or any monitoring requirements for inclusion in the EMPr	Section 4
5.3.7 a description of the assumptions made and any uncertainties or gaps in knowledge or data; and	Section 2
5.3.8 any conditions to which the compliance statement is subjected.	Section 4,

SHORT CV/SUMMARY OF EXPERTISE - SIMON TODD



Simon Todd is Director and principal scientist at 3Foxes Biodiversity Solutions and has over 20 years of experience in biodiversity measurement, management and assessment. He has provided specialist ecological input on more than 200 different developments distributed widely across the country, but with a focus on the three Cape provinces. This includes input on the Wind and Solar SEA (REDZ) as well as the Eskom Grid Infrastructure (EGI) SEA and Karoo Shale Gas SEA. He is on the National Vegetation Map Committee as representative of the Nama and Succulent Karoo Biomes. Simon Todd is a recognised ecological expert and is a past chairman and current deputy chair of the Arid-Zone Ecology Forum. He is registered with the South African Council for Natural Scientific Professions (No. 400425/11).

Skills & Primary Competencies

- Research & description of ecological patterns & processes in Nama Karoo, Succulent Karoo, Thicket,
 Arid Grassland, Fynbos and Savannah Ecosystems.
- Ecological Impacts of land use on biodiversity
- Vegetation surveys & degradation assessment & mapping
- Long-term vegetation monitoring
- Faunal surveys & assessment.
- GIS & remote sensing

Tertiary Education:

- 1992-1994 BSc (Botany & Zoology), University of Cape Town
- 1995 BSc Hons, Cum Laude (Zoology) University of Natal
- 1996-1997- MSc, Cum Laude (Conservation Biology) University of Cape Town

Employment History

- 2009 Present Sole Proprietor of Simon Todd Consulting, providing specialist ecological services for development and research.
- 2007 Present Senior Scientist (Associate) Plant Conservation Unit, Department of Botany, University of Cape Town.
- 2004-2007 Senior Scientist (Contract) Plant Conservation Unit, Department of Botany, University
 of Cape Town

- 2000-2004 Specialist Scientist (Contract) South African National Biodiversity Institute
- 1997 1999 Research Scientist (Contract) South African National Biodiversity Institute

A selection of recent work is as follows:

Strategic Environmental Assessments

Co-Author. Chapter 7 - Biodiversity & Ecosystems - Shale Gas SEA. CSIR 2016.

Co-Author. Chapter 1 Scenarios and Activities — Shale Gas SEA. CSIR 2016.

Co-Author – Ecological Chapter – Wind and Solar SEA. CSIR 2014.

Co-Author – Ecological Chapter – Eskom Grid Infrastructure SEA. CSIR 2015.

Contributor – Ecological & Conservation components to SKA SEA. CSIR 2017.

Relevant Studies Related to the Current Project Area

Nuweveld North, East and West WEFs. Fauna & Flora Specialist Study for EIA. Zutari 2021.

Environmental Impact Assessment for the Proposed Komsberg East and Komsberg West Wind Farms and Associated Grid Connection Infrastructure: Fauna & Flora Specialist Impact Assessment. Arcus Consulting 2014.

Rietkloof & Brandvallei Wind Farms and Associated Grid Connection Infrastructure: Fauna & Flora Specialist Impact Assessment Report. EOH 2016.

Proposed Gunstfontein Wind Farm and Associated Grid Connection Infrastructure: Fauna & Flora Specialist Impact Assessment Report. Savannah Environmental 2016.

Mainstream South Africa Dwarsrug Wind Energy Facility: Fauna & Flora Specialist Impact Assessment Report. Sivest 2014.

Phezukomoya and San Kraal Wind Energy Facilities and associated grid connection. Fauna and Flora specialist studies. Arcus Consulting 2018.

Kokerboom Wind Energy Facilities (1-4) and associated grid connections. Fauna and Flora specialist studies. Aurecon 2017.

SPECIALIST DECLARATION

I, ..Simon Todd....., as the appointed independent specialist, in terms of the 2014 EIA Regulations, hereby declare that I:

- I act as the independent specialist in this application;
- I perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- regard the information contained in this report as it relates to my specialist input/study to be true and correct, and do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the NEMA, the Environmental Impact Assessment Regulations, 2014 and any specific environmental management Act;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I have no vested interest in the proposed activity proceeding;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I have ensured that information containing all relevant facts in respect of the specialist input/study was distributed or made available to interested and affected parties and the public and that participation by interested and affected parties was facilitated in such a manner that all interested and affected parties were provided with a reasonable opportunity to participate and to provide comments on the specialist input/study;
- I have ensured that the comments of all interested and affected parties on the specialist input/study were considered, recorded and submitted to the competent authority in respect of the application;
- all the particulars furnished by me in this specialist input/study are true and correct; and

(

 I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

Signature of the specialist:
Name of Specialist:Simon Todd
Date:20 June 2022

1 INTRODUCTION

Red Cap Energy (Pty) Ltd and their affiliate companies is proposing to develop two wind farms on a ca. 25,000ha site situated mid-way between Loxton and Beaufort West along the Northern Cape – Western Cape provincial boundary. The Hoogland South 3 Wind Farm and Hoogland South 4 Wind Farm are adjacent to one another and will share a grid connection, named the Hoogland South Grid Connection. The Grid Connection would be a 132kV overhead power line and will connect the Hoogland Southern Wind Farms to the Nuweveld Collector Substation on Red Cap's nearby Nuweveld Wind Farms Project. The scope of this report is restricted to the Hoogland South Grid Connection.

SLR are conducting the required BA process for the Hoogland South Grid Connection and 3Foxes Biodiversity Solutions has been appointed by SLR South Africa Consulting (PTY) Ltd, on behalf of Red Cap Energy (Pty) Ltd to provide a plant species compliance statement for the proposed Hoogland South Grid Connection. The DFFE Screening Tool indicates that the majority of the site falls within areas classified as low sensitivity for the Plant Species Theme, with some areas in the south of the grid corridor classified as Medium Sensitivity due to the potential presence of *Isolepis expallescens*, Sensitive Species 945 and *Cliffortia arborea*. However, the site verification indicates that none of the above species are likely present within the affected area, with the result that the site is considered to be low sensitivity overall. As a result, a Plant Species Compliance Statement is the recommended level of study for the BA process (refer to the Site Sensitivity Verification Report for Terrestrial Ecology and is not repeated here).

1.1 METHODOLOGY

1.2 RELEVANT ASPECTS OF THE DEVELOPMENT

The Hoogland Southern Wind Farm cluster is located along the R381 south of Loxton and the Grid Connection would go from the switching substations within each wind farm to the Collector Substation located within the Nuweveld WEF, north east of the Hoogland Southern cluster. The layout and location of the Hoogland Southern Grid Connection is illustrated below in Figure 1. The power generated within each of the Hoogland South WEFs is transferred through a switching station (next to each Wind Farm substation) along a 132 kV line to the proposed Nuweveld Collector Substation and there it will be stepped up to 400 kV for evacuation via the national grid. The components of the Southern Grid Connection therefore include two switching stations on Hoogland 3 Wind Farm and two switching stations on Hoogland 4 Wind Farm, which are connected by two sections of 132 kV line that combine and travel towards the Nuweveld Collector Substation. The total length of line is approximately 40 km.

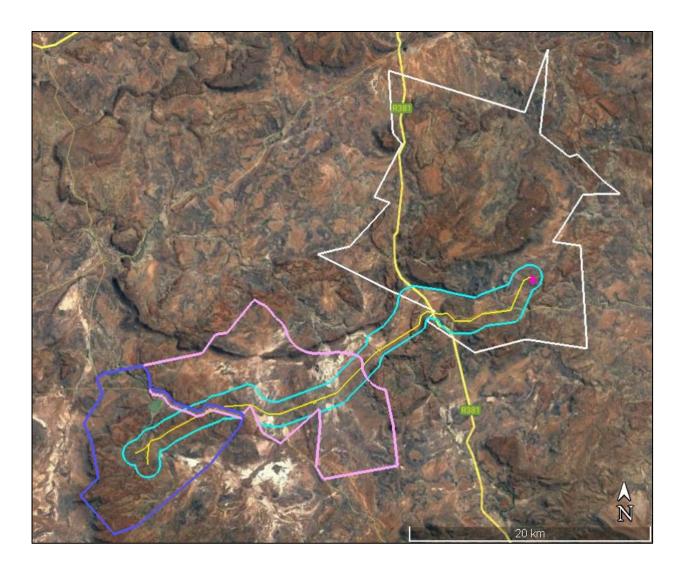


Figure 1. Satellite image showing the location of the proposed Hoogland Southern Grid Connection corridor, which links each of the two Hoogland wind farms (purple and pink boundaries) to the Nuweveld Collector Substation to the northeast. The Nuweveld boundary is shown in white.

Grid Connection Components

Switching stations

The switching stations will be located alongside the Wind Farm substations. There will be a physical barrier between the two in the form of a ± 2.4 m high perimeter fence. The Eskom switching stations on each Hoogland Wind Farm will each have a total footprint of approximately 150×75 m (11,250 m 2). The switching station area will include all the standard switching station electrical equipment/components, such as bus bars, metering equipment, switchgear, and will also house control, operational, workshop and storage buildings/areas. The four Southern Grid Connection switching stations will collectively have a total footprint of 4.5 ha.

132 kV Line and pylons

The proposed 132 kV transmission line will be largely supported by monopole pylons approximately 32 m in height. The spans (distance between pylons) on the monopole pylons (without stays) are on average 260 m. Some much larger spans may be required depending on the terrain and also to avoid areas potentially sensitive to pylon placement. On this basis, variations of pylons may be used which includes lattice pylons but only for these technically challenging areas. A 5 km corridor for this infrastructure was originally assessed during the Preapplication phase and this has been refined and reduced to approximately 2 km for this Basic Assessment phase. In addition, within this corridor, a provisional alignment for the 132kV line, that avoids no-go areas, has also been presented on the maps. The ±2 km corridor is the subject of the application for environmental authorisation and this assessment. The Southern Grid Connection is ± 40 km in length, and assuming each pylon is spaced every 260 m and has a footprint of 80 m², the respective pylon footprint is 1.23 ha.

Access

The site can be accessed via the well-established existing road network in the area. The main access would be via Beaufort West or Loxton using the R381. The Grid Corridor traverses the Hoogland and Nuweveld Wind Farm areas and therefore the wind farm access and service road network within these wind farm areas will be utilised to access the servitude. To access the remaining areas, existing access roads and tracks (upgraded to ± 2 -4 m wide where needed) will be used as far as possible and new access tracks would also be ± 2 -4m wide. These tracks would avoid steep areas and drainage lines and rather use existing roads/tracks to cross these features as far as possible.

A track is also proposed to run along each Grid Connection line as far as possible and would be established during the construction phase to enable access for the construction of the pylons and stringing of the lines. In certain areas, such as when the line spans over a sensitive watercourse, goes up very steep slopes, or spans an ecologically sensitive area, the service track will not run parallel to the line but will be routed to access the specific pylons (where possible). These tracks would not be rehabilitated as they would continue to provide access for maintenance and management purposes and will be maintained throughout the life of the project. For the Southern Grid Connection, it is anticipated that the total area required for the new access tracks is up to 18 ha.

Temporary areas

During construction, temporary laydown areas will be identified along the alignment, with the main equipment and construction yards being located along the alignment or being based in one of the surrounding towns or on one of the wind farms. It is anticipated that the total area required for the temporary laydown areas is up to 5 ha.

Summary of components and disturbance footprints

Table 1 below sets out the total disturbance footprint for the Hoogland Southern Grid Connection.

Table 1. Summary of the components and approximate areas of impact within the Southern Hoogland Grid Connection Corridor.

Project Components	Description	Hoogland Southern Grid Connection
	Switching station centre point (Hoogland 3A):	31° 59' 32,677" S 22° 8' 17,653" E
Locations	Switching station centre point (Hoogland 3B):	31° 59' 0,783" S 22° 7' 38,366" E
Locations	Switching station centre point (Hoogland 4A):	31° 56′ 48,449″ S 22° 17′ 0,384″ E
	Switching station centre point (Hoogland 4B):	31° 57' 11,268" S 22° 14' 35,821" E
Switching stations	There will be two Eskom switching stations on each wind farm with a footprint of approximately 150 x 7 m (11,250 m²). Each grid connection will therefore have four switching stations in total. The switching station area will include all the standard switching station electrical equipment/components, such as bus bars, metering equipment, switchgear, and will also house control, operational, workshop and storage buildings/areas. Total area for four switching stations:	5 ha (permanent)
Overhead lines and pylons	There will be a 132 kV overhead line supported by mostly monopole pylons approximately 32 m in height. The spans (distance between pylons) on the monopole pylons (without stays) are on average 260 m. Other types of pylons will be used where necessary. The distance of each line, and respective pylon footprint is as follows:	40 km 1.23 ha (permanent)
Access roads and tracks	Existing access roads and tracks (upgraded to ± 2-4 m wide where needed) will be used as far as possible and new access tracks will also be ±2-4 m wide. These are required for all project phases.	18 ha (permanent)
Temporary areas	Temporary laydown areas will be identified along the alignment, with the main equipment and construction yards being located along the alignment or based in one of the surrounding towns or on one of the wind farms. It is anticipated that the total area required for the temporary laydown areas is up to 5 ha.	5 ha (temporary)

Project Components	Description		Hoogland Southern Grid Connection
Total disturban	ce footprint:	Temporary	5 ha
Total disturban	ce footprint:	Permanent	23.73 ha

1.1 SITE VISITS & FIELD ASSESSMENT DATES

The Hoogland South site was visited on numerous occasions across several seasons and a wide variety of conditions for the current study. A total of 10 full days were spent on the Hoogland South site. The north-eastern section of the grid connection outside of the Hoogland South study area was checked in the field several times for the current study as well as previously for the three Nuweveld Wind Farms as well as the Nuweveld Grid Connection (13-15 June 2019, 17-19 September 2019, 10-12 October 2019 and 24-28 February 2020). Dates of the site visits for the Hoogland South study area and the grid connection include the following:

- 24-25 April 2021 (2 days)
- 8-9 September 2021 (2 days)
- 22 September 2021 (1 day)
- 23 February 2022 (1 days)
- 26-27 March 2022 (2 days)
- 13 June 2022 (1 day)
- 28 June 2022 (1 day)

1.2 SAMPLING LIMITATIONS AND ASSUMPTIONS

The conditions in 2021 were largely quite dry as the area had experienced a prolonged drought and apart from within the drainage lines, the vegetation was largely dry with most grasses, forbs and annuals being dormant. However, the summer of 2021/2022 was extremely wet with very high rainfall, with the result that by the end of summer 2022, the vegetation of the site was very green and included a large abundance of forbs, annuals and grasses. Given the large amount of time spent on-site as well as the seasonal distribution of site visits, the full complement of flora present would have been visible at some point, with the result, that there are considered to be few limitations with regards to the sampling of the vegetation, which has been well-characterised during the current study.

1.3 FIELD SAMPLING APPROACH

The grid connection route traverses the Hoogland South Wind Farm Cluster as well as the previously assessed Nuweveld suite of wind farms. Within the grid corridor section that lies within the Nuweveld Wind Farms study area, this area was sampled using walk-through transects and targeted surveys within areas identified as potentially sensitive habitats. Within the Hoogland

South cluster, a more structured sampling approach was used. At each sample site, a flexible sampling approach was used whereby the target area was walked and all plant species observed were recorded. A minimum of 20 minutes was spent at each site, but up to an hour was spent at some locations with higher diversity or higher potential likelihood of species of concern being present. The time spent on each sample site was based on how frequently new species were encountered and if no novel plant species were encountered for at least 10 minutes, then the searching was ended. While some sample sites were randomly selected or placed at the same sites as camera traps, many sample sites were specifically targeted based on the habitat type or the presence of potential features of interest such as rock pavements, wetlands or rocky outcrops. The sampling sites located within the Hoogland South Grid Connection corridor are pictured below in Figure 2.

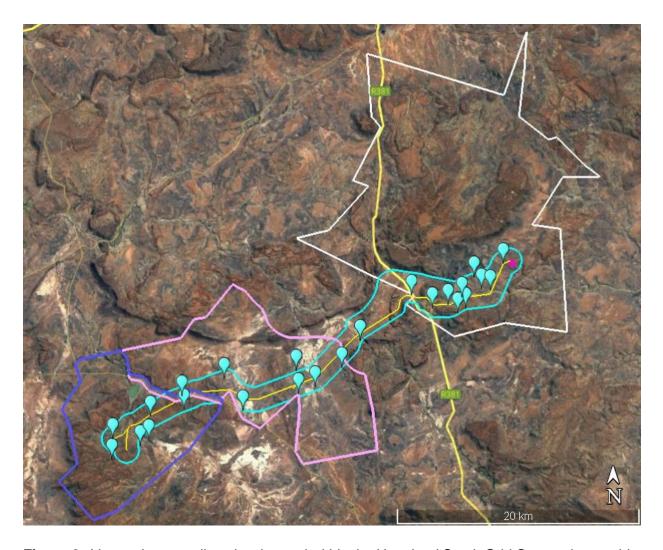


Figure 2. Vegetation sampling sites located within the Hoogland South Grid Connection corridor.

1.4 DATA SOURCING AND REVIEW

Data sources from the literature consulted and used where necessary in the study includes the following:

- Vegetation types and their conservation status were extracted from the South African National Vegetation Map (2018 update).
- Information on plant and animal species recorded for the wider area was extracted from
 the South African Biodiversity Information Facility (SABIF)/ SANBI Integrated Biodiversity
 Information System (SIBIS) database hosted by the South African National Biodiversity
 Institute (SANBI). Data was extracted for a significantly larger area than the study area,
 but this is necessary to ensure a conservative approach as well as counter the fact that
 the site itself has not been well sampled in the past.
- The International Union for Conservation of Nature (IUCN) conservation status of the species in the list was also extracted from the database and is based on the Threatened Species Programme, Red List of South African Plants (2021).

2 BASELINE DESCRIPTION OF THE AFFECTED ENVIRONMENT

2.1 VEGETATION TYPES

The national vegetation map (Mucina & Rutherford 2006 & SANBI 2018 update) for the study area is depicted below in Figure 3. The majority of the Hoogland South Grid Connection Corridor site is classified as falling within the Eastern Upper Karoo vegetation type with some Eastern Upper Karoo in the South and scattered sections of Upper Karoo Hardeveld across the route. This is an oversimplification of the vegetation of the site and based on the fieldwork on the site and site validation, there are more extensive tracts of Upper Karoo Hardeveld within the corridor than mapped, as well as fairly extensive areas of riparian vegetation which would currently fall into the Bushmanland Vloere vegetation type but are more-closely allied to the Southern Karoo Riviere vegetation type. These four vegetation types are described and illustrated briefly below.

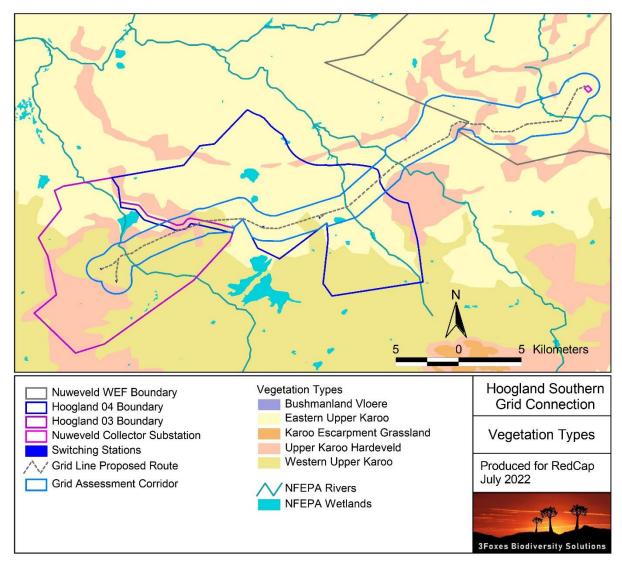


Figure 3. The national vegetation map (SANBI 2018 Update) for the Hoogland South Grid Connection and surrounding area.

Eastern Upper Karoo

The majority of the Hoogland South Grid Connection site is mapped under the Vegmap as falling within the Eastern Upper Karoo vegetation type. Eastern Upper Karoo has an extent of 49 821 km² and is the most extensive vegetation type in South Africa and forms a large proportion of the central and eastern Nama Karoo Biome. This vegetation type is classified as Least Threatened, and about 2% of the original extent has been transformed largely for intensive agriculture. Eastern Upper Karoo is however poorly protected and less than 1% of the 21% target has been formally conserved. Mucina & Rutherford (2006) list eight endemic species for this vegetation type, which considering that it is the most extensive unit in the country, is not very high. As a result, this is not considered to represent a sensitive vegetation type.

Except in the southwest of the corridor, this is the dominant vegetation type and forms the matrix in which the other vegetation units are embedded. There is however a fairly large degree of

variation in the structure and composition of Eastern Upper Karoo within the site, driven largely by the substrate conditions, with the main differences being associated with dolerite-derived soils vs. shale and mudstone- derived soils. Overall, these tend to be represented by large tracts of fairly homogenous landscapes of low plant diversity. Dominant and characteristic species include low woody shrubs such as *Pentzia globosa*, *Rosenia humulis*, *Asparagus capensis*, *Eriocephalus ericoides*, *Pteronia sordida*, *Pteronia incana*, *Plinthus karooicus*, *Helichrysum luciloides*, *Felicia muricata*, with a varying density of low succulent shrubs such as *Roepera lichtensteinii*, *Aridaria noctiflora* and *Ruschia spinosa*, with a variable grass layer dominated by *Aristida adscenionis*, *Stipagrostis ciliata*, *Stipagrostis obtusa*, *Enneapogon desvauxii* and *Tragus berteronianus*.



Figure 4. Typical open plains present within the Hoogland Southern Grid connection study area, corresponding with the Eastern Upper Karoo vegetation type. The typical plains of the study area are considered low sensitivity.

Western Upper Karoo

The Western Upper Karoo vegetation type occurs in the Northern Cape Province and a small part in the Western Cape and occurs on plains from the Fish River and upper reaches of the Renoster River in the west as far as Fraserburg and Carnarvon in the east, sandwiched between the Bushmanland Basin in the north and the Roggeveld Karoo and edges of the Great Escarpment in the south. In the southwest the dissected landscape is associated with the tributaries of the upper catchment of the Sak River (e.g. Renoster River, Riet River, Klein Sak River) and is often rocky. It is a mixture of small-leaved shrubs and shrubby succulents (*Brownanthus*, *Drosanthemum*, *Ruschia* etc.) with drought-resistant (mostly 'white') grasses a determinant feature of the vegetation structure.

Within the Hoogland South Grid Connection corridor, there is not a lot of difference between Western Upper Karoo and Eastern Upper Karoo and there are not usually clear boundaries between these vegetation types. However, in general, the lower elevation and southern, warmer areas consist of Western Upper Karoo, while the northern and colder areas consist of Eastern Upper Karoo. Common and dominant shrub species include Lycium cinereum, Tripteris sinuata, Chrysocoma ciliata, Eriocephalus ericoides subsp. ericoides, Helichrysum lucilioides, Pentzia globosa, Tetragonia arbuscula, Asparagus capensis var. capensis, Berkheya annectens, Eriocephalus decussatus, Euryops multifidus, Felicia muricata, Hermannia cuneifolia, H. spinosa, Melolobium candicans, Pegolettia retrofracta, Pentzia incana, Pteronia adenocarpa, P. glauca, P. mucronata, P. sordida, Rosenia glandulosa, Selago albida and Zygophyllum microphyllum. Succulent shrubs include Ruschia intricata, Aridaria noctiflora subsp. straminea, Brownanthus ciliata subsp. ciliatus, Drosanthemum lique, Euphorbia rectirama, Galenia sarcophylla, Salsola calluna, S. glabrescens, S. rabieana, S. tuberculata, Sarcocaulon patersonii and Psilocaulon coriarium. Grasses include Aristida congesta, Enneapogon desvauxii, Stipagrostis ciliata, S. obtusa, Aristida adscensionis, A. diffusa, Eragrostis obtusa, Fingerhuthia africana, Tragus berteronianus and T. koelerioides. In general, this is not considered to represent a sensitive vegetation type (Figure 5).



Figure 5. Western Upper Karoo from within the grid corridor located within Hoogland South 4 Wind Farm area.

Upper Karoo Hardeveld

Although there are limited areas mapped under the Vegmap as Upper Karoo Hardeveld within the grid corridor, the majority of dolerite hills within the area can be considered to represent this vegetation type. The Upper Karoo Hardeveld vegetation type is associated with 11 734 km² of the steep slopes of koppies, buttes mesas and parts of the Great Escarpment covered with large boulders and stones. The vegetation type occurs as discrete areas associated with slopes and ridges from Middelpos in the west and Strydenburg, Richmond and Nieu-Bethesda in the east, as well as most south-facing slopes and crests of the Great Escarpment between Teekloofpas and eastwards to Graaff-Reinet. Altitude varies from 1000-1900m. Mucina & Rutherford (2006) list 17 species known to be endemic to the vegetation type. This is a high number given the wide distribution of most karoo species and illustrates the relative sensitivity of this vegetation type compared to the surrounding Eastern Upper Karoo.

Most of the hills, outcrops and steep slopes within the Hoogland South Grid Corridor consist of Upper Karoo Hardeveld and this unit has been significantly under-mapped within the national vegetation map. This vegetation type usually consists of very rocky ground and is often associated with steep slopes, with the result that it is considered vulnerable to disturbance but is also an important habitat for fauna. Although it contains a higher diversity of species than the adjacent areas of Eastern Upper Karoo, no red-listed plant species were observed within these areas.



Figure 6. Dolerite ridge within the Hoogland South Grid Connection Corridor, with the Upper Karoo Hardeveld vegetation type.

Bushmanland Vloere

The Bushmanland Vloere vegetation type is restricted largely to the Bushmanland and the Northern Cape, but occurs marginally into the Western Cape in places. It occupies the vloere

(salt pans) of the central Bushmanland Basin as well as the broad riverbeds of the intermittent Sak River as well as its numerous ancient tributaries. This is not a well investigated vegetation type and it has not been well studied or characterised. Common and dominant species include Parkinsonia africana, Xerocladia viridiramis, Rhigozum trichotomum, Aizoon schellenbergii, Asparagus glaucus, Eriocephalus decussatus, Eriocephalus spinescens, Pegolettia retrofracta, Salsola aphylla, Salsola glabrescens, Salsola rabieana, Lycium pumilum, Amaranthus dinteri, Lotononis minima, Stipagristis ciliata, Stipagrostis obtusa and Sporobolus nervosus. Although there aren't any plant species of concern associated with the pans, they are considered sensitive from a general ecological perspective.



Figure 7. Example of one of the pans within the Hoogland 4 Wind Farm, corresponding with the Bushmanland Vloere vegetation type.

2.2 DFFE SENSITIVE PLANT SPECIES

The DFFE Screening Tool lists three sensitive plant species as potentially present within the site, which has medium sensitivity for these species (Table 2). None of these species were observed within the corridor and as a result, the grid corridor is considered low sensitivity for these species. Some of these species are however cryptic and it is possible that given the large extent of the site, that some of these species may have been missed. However, a preconstruction walk-through of the final development footprint would enable any affected individuals of these species to be avoided. The cryptic species are associated with specialised habitats with the result that they tend to be highly localised and hence can be effectively avoided through micro-siting of pylons and access roads if required.

Table 2. Sensitive Species as listed by the DFFE Screening Tool for the Hoogland Southern Grid Connection corridor. None of these species were observed at the site.

DFFE Site Status	Name	IUCN Status	Possible presence within the Hoogland South Grid Corridor
Medium	Isolepis expallescens	Vulnerable	Nuweveld Mountains between Fraserburg and Victoria West. This species is known from only three collections, but its distribution range is botanically very poorly explored. This species was not observed within the site. However, if present it would be associated with mesic areas
Medium	Sensitive species 945	Rare	which would be avoided by the development. This seasonal geophyte species is associated with dolerite outcrops in high-lying areas of the Sneeuberg, Agter-Sneeuberg and Nuweveld Mountains. It was not observed within the Hoogland South Corridor. As a result, this species is considered absent from the site and hence the site is considered low sensitivity for this species.
Medium	Cliffortia arborea	VU	This is a conspicuous species that grows on cliffs from the Hantamsberg Mountain to the Nuweveld Mountains. There is little suitable habitat for this species at the site and it was not confirmed as present within the Hoogland Southern Grid Connection.

3 PROPOSED IMPACT MITIGATION ACTIONS

The following avoidance and mitigation measures should be included in the EMPr for the Hoogland Grid Connection in order to reduce and manage impacts on vegetation and plant species.

- Undertake a pre-construction walk through of the development footprint to refine the layout through micro-siting of pylons and access roads where they potentially impact on SCC.
- Develop an alien vegetation management plan, soil erosion management plan, revegetation and rehabilitation plan based on the site attributes and environmental constraints.
- Ensure that all vegetation-related preconstruction permits, surveys and walk-throughs have been conducted prior to the commencement of construction activity.
- Monitoring of vegetation clearing during construction by the Environmental Officer (EO) to ensure that any plant SCC within the development footprint area, are translocated to

safety where necessary. These would be identified during the preconstruction walkthrough of the alignment and a guide enabling the identification of such species should be provided as an output of the walk-through study.

 Annual rehabilitation activities in line with the EMPr requirements. Any erosion problems observed on-site should be rectified as soon as possible using the appropriate revegetation and erosion control works.

4 CONCLUSION & RECOMMENDATIONS

- This compliance statement is applicable to the Hoogland South Grid Connection development with specific reference to the layout as provided for the assessment.
- The vegetation of the site is mapped as Eastern Upper Karoo, Western Upper Karoo,
 Upper Karoo Hardeveld and Bushmanland Vloere. There are no threated vegetation types
 present within the site. There are however some habitats present that are considered
 sensitive but which are covered under the Combined Terrestrial Biodiversity Theme.
- No plant species of conservation concern were observed within the site and overall, the site is considered low sensitivity from a Plant Species Theme perspective.
- Given the low sensitivity of the development footprint and the avoidance of the sensitive habitats present at the site, there are no reasons that the development should not go ahead from a plant ecology perspective.

5 REFERENCES

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6 ANNEX 1. LIST OF PLANT SPECIES

List of plant species recorded from the broad vicinity of the Hoogland South Grid Connection corridor, based on the SANBI Plants of southern Africa (POSA) database. Species in bold are those observed within the study area.

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Acanthaceae	Acanthopsis	hoffmannseggiana			DD
Acanthaceae	Barleria	stimulans			LC
Acanthaceae	Blepharis	mitrata			LC
Acanthaceae	Blepharis	capensis			LC
Acanthaceae	Justicia	incana			
Acanthaceae	Justicia	orchioides	subsp.	glabrata	LC
Acanthaceae	Justicia	spartioides			
Achariaceae	Guthriea	capensis			LC
Achariaceae	Kiggelaria	africana			LC
Aizoaceae	Aizoon	glinoides			LC
Aizoaceae	Chasmatophyllum	stanleyi			LC
Aizoaceae	Chasmatophyllum	maninum			DD
Aizoaceae	Delosperma	sp.			
Aizoaceae	Drosanthemum	parvifolium			LC
Aizoaceae	Drosanthemum	floribundum			LC
Aizoaceae	Drosanthemum	lique			LC
Aizoaceae	Drosanthemum	subcompressum			LC
Aizoaceae	Drosanthemum	hispidum			LC
Aizoaceae	Drosanthemum	archeri			LC
Aizoaceae	Drosanthemum	sp.			
Aizoaceae	Galenia	pubescens			LC
Aizoaceae	Galenia	africana			LC
Aizoaceae	Galenia	fruticosa			LC
Aizoaceae	Galenia	secunda			LC
Aizoaceae	Galenia	glandulifera			LC
Aizoaceae	Galenia	pallens			DD
Aizoaceae	Galenia	sarcophylla			LC
Aizoaceae	Galenia	squamulosa			LC
Aizoaceae	Hereroa	concava			DD
Aizoaceae	Malephora	thunbergii			LC
Aizoaceae	Malephora	purpureo-crocea			LC
Aizoaceae	Mesembryanthemum	splendens	subsp.	pentagonum	
Aizoaceae	Mesembryanthemum	junceum			
Aizoaceae	Mesembryanthemum	noctiflorum	subsp.	stramineum	
Aizoaceae	Mesembryanthemum	geniculiflorum			

¹DDData Deficient3NTNear Threatened5ENEndangered7EWExtinct In The Wild2LCLeast Concern4VUVulnerable6CRCritically Endangered8EXExtinct

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Aizoaceae	Mesembryanthemum	stenandrum			LC
Aizoaceae	Mesembryanthemum	oubergense			LC
Aizoaceae	Mesembryanthemum	tetragonum			
Aizoaceae	Mesembryanthemum	sp.			
Aizoaceae	Mesembryanthemum	coriarium			
Aizoaceae	Mesembryanthemum	nodiflorum			LC
Aizoaceae	Mesembryanthemum	emarcidum			
Aizoaceae	Mesembryanthemum	crystallinum			LC
Aizoaceae	Mestoklema	tuberosum			LC
Aizoaceae	Mestoklema	arboriforme			LC
Aizoaceae	Pleiospilos	compactus	subsp.	canus	LC
Aizoaceae	Pleiospilos	compactus	subsp.	compactus	LC
Aizoaceae	Plinthus	cryptocarpus			LC
Aizoaceae	Plinthus	karooicus			LC
Aizoaceae	Ruschia	intricata			LC
Aizoaceae	Ruschia	sp.			
Aizoaceae	Ruschia	spinosa			LC
Aizoaceae	Ruschia	pauciflora			DD
Aizoaceae	Stomatium	sp.			
Aizoaceae	Stomatium	suaveolens			LC
Aizoaceae	Stomatium	villetii			LC
Aizoaceae	Tetragonia	arbuscula			LC
Aizoaceae	Tetragonia	spicata			LC
Aizoaceae	Tetragonia	glauca			LC
Aizoaceae	Tetragonia	fruticosa			LC
Aizoaceae	Tetragonia	sarcophylla			LC
Aizoaceae	Trianthema	parvifolia	var.	parvifolia	LC
Aizoaceae	Trichodiadema	sp.			
Aizoaceae	Trichodiadema	obliquum			DD
Aizoaceae	Trichodiadema	intonsum			LC
Aizoaceae	Trichodiadema	barbatum			LC
Aizoaceae	Trichodiadema	densum			LC
Aizoaceae	Trichodiadema	setuliferum			LC
Alliaceae	Tulbaghia	nutans			LC
Alliaceae	Tulbaghia	leucantha			LC
Amaranthaceae	Amaranthus	schinzianus			LC
Amaranthaceae	Amaranthus	deflexus			
Amaranthaceae	Atriplex	semibaccata			
Amaranthaceae	Atriplex	lindleyi	subsp.	inflata	
Amaranthaceae	Atriplex	nummularia	subsp.	nummularia	
Amaranthaceae	Atriplex	vestita	var.	appendiculata	LC
Amaranthaceae	Bassia	salsoloides			LC
Amaranthaceae	Chenopodium	album			

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Amaranthaceae	Chenopodium	schraderianum			
Amaranthaceae	Dysphania	carinata			
Amaranthaceae	Kyphocarpa	angustifolia			LC
Amaranthaceae	Salsola	kali			
Amaranthaceae	Salsola	calluna			LC
Amaranthaceae	Salsola	aphylla			LC
Amaranthaceae	Sericocoma	avolans			LC
Amaranthaceae	Suaeda	inflata			LC
Amaranthaceae	Suaeda	fruticosa			LC
Amaryllidaceae	Gethyllis	villosa			LC
Amaryllidaceae	Gethyllis	longistyla			LC
Anacampserotaceae	Anacampseros	ustulata			LC
Anacampserotaceae	Anacampseros	albidiflora			LC
Anacardiaceae	Searsia	pyroides			
Anacardiaceae	Searsia	pyroides	var.	pyroides	LC
Anacardiaceae	Searsia	longispina			LC
Anacardiaceae	Searsia	undulata			LC
Anacardiaceae	Searsia	lancea			LC
Anacardiaceae	Searsia	burchellii			LC
Apiaceae	Annesorhiza	filicaulis			EN
Apiaceae	Apium	graveolens			
Apiaceae	Berula	thunbergii			LC
Apiaceae	Chamarea	longipedicellata			LC
Apiaceae	Conium	chaerophylloides			LC
Apiaceae	Deverra	denudata	subsp.	aphylla	LC
Apiaceae	Heteromorpha	arborescens	var.	arborescens	LC
Apiaceae	Notobubon	ferulaceum			LC
Apiaceae	Notobubon	laevigatum			LC
Apocynaceae	Asclepias	sp.			
Apocynaceae	Carissa	bispinosa			LC
Apocynaceae	Duvalia	maculata			LC
Apocynaceae	Duvalia	angustiloba			LC
Apocynaceae	Gomphocarpus	filiformis			LC
Apocynaceae	Gomphocarpus	fruticosus	subsp.	fruticosus	LC
Apocynaceae	Huernia	thuretii			LC
Apocynaceae	Huernia	humilis			LC
Apocynaceae	Huernia	barbata	subsp.	barbata	LC
Apocynaceae	Microloma	armatum	var.	armatum	LC
Apocynaceae	Schizoglossum	bidens	subsp.	atrorubens	LC
Apocynaceae	Stapelia	grandiflora	var.	grandiflora	LC
Apocynaceae	Xysmalobium	gomphocarpoides	var.	gomphocarpoides	LC
Araliaceae	Cussonia	paniculata	subsp.	paniculata	LC
Asparagaceae	Asparagus	mucronatus		As a constraint	LC

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Asparagaceae	Asparagus	laricinus			LC
Asparagaceae	Asparagus	exuvialis	forma	exuvialis	NE
Asparagaceae	Asparagus	racemosus			LC
Asparagaceae	Asparagus	capensis	var.	capensis	LC
Asparagaceae	Asparagus	striatus			LC
Asparagaceae	Asparagus	burchellii			LC
Asparagaceae	Asparagus	retrofractus			LC
Asparagaceae	Asparagus	aethiopicus			LC
Asparagaceae	Asparagus	suaveolens			LC
Asphodelaceae	Aloe	grandidentata			LC
Asphodelaceae	Aloe	claviflora			LC
Asphodelaceae	Aloe	broomii			
Asphodelaceae	Astroloba	congesta			LC
Asphodelaceae	Bulbine	lagopus			LC
Asphodelaceae	Bulbine	sp.			
Asphodelaceae	Bulbine	frutescens			LC
Asphodelaceae	Gonialoe	variegata			LC
Asphodelaceae	Haworthia	semiviva			LC
Asphodelaceae	Haworthia	marumiana	var.	marumiana	NE
Asphodelaceae	Haworthiopsis	fasciata			
Asphodelaceae	Kniphofia	uvaria			LC
Asphodelaceae	Trachyandra	karrooica			LC
Asphodelaceae	Trachyandra	acocksii			LC
Aspleniaceae	Asplenium	cordatum			LC
Asteraceae	Amellus	tridactylus	subsp.	olivaceus	LC
Asteraceae	Arctotis	dimorphocarpa			LC
Asteraceae	Arctotis	microcephala			LC
Asteraceae	Arctotis	perfoliata			LC
Asteraceae	Arctotis	leiocarpa			LC
Asteraceae	Athanasia	microcephala			LC
Asteraceae	Athanasia	linifolia			LC
Asteraceae	Berkheya	spinosa			LC
Asteraceae	Berkheya	glabrata			LC
Asteraceae	Berkheya	pinnatifida	subsp.	pinnatifida	LC
Asteraceae	Berkheya	carlinifolia	·	-	
Asteraceae	Berkheya	sp.			
Asteraceae	Berkheya	spinosissima	subsp.	spinosissima	LC
Asteraceae	Caputia	tomentosa	•	•	LC
Asteraceae	Centaurea	melitensis			
Asteraceae	Chrysocoma	obtusata			LC
Asteraceae	Chrysocoma	ciliata			LC
Asteraceae	Chrysocoma	sp.			-
Asteraceae	Cichorium	intybus	subsp.	intybus	

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Asteraceae	Cineraria	vagans			EN
Asteraceae	Cineraria	lobata	subsp.	lobata	LC
Asteraceae	Cineraria	mollis			LC
Asteraceae	Cineraria	aspera			LC
Asteraceae	Cineraria	lobata	subsp.	lasiocaulis	LC
Asteraceae	Cirsium	vulgare			
Asteraceae	Conyza	scabrida			
Asteraceae	Cotula	microglossa			LC
Asteraceae	Cotula	coronopifolia			LC
Asteraceae	Crassothonna	capensis			LC
Asteraceae	Crassothonna	protecta			LC
Asteraceae	Curio	hallianus			LC
Asteraceae	Cuspidia	cernua	subsp.	annua	LC
Asteraceae	Dicerothamnus	rhinocerotis			
Asteraceae	Dicoma	capensis			LC
Asteraceae	Dimorphotheca	cuneata			LC
Asteraceae	Eriocephalus	microphyllus	var.	microphyllus	LC
Asteraceae	Eriocephalus	eximius			LC
Asteraceae	Eriocephalus	microcephalus			LC
Asteraceae	Eriocephalus	brevifolius			LC
Asteraceae	Eriocephalus	tenuifolius			LC
Asteraceae	Eriocephalus	ericoides	subsp.	ericoides	LC
Asteraceae	Eriocephalus	decussatus			LC
Asteraceae	Eriocephalus	spinescens			LC
Asteraceae	Eriocephalus	sp.			
Asteraceae	Eumorphia	corymbosa			LC
Asteraceae	Euryops	nodosus			LC
Asteraceae	Euryops	lateriflorus			LC
Asteraceae	Euryops	anthemoides	subsp.	anthemoides	LC
Asteraceae	Euryops	imbricatus			LC
Asteraceae	Euryops	empetrifolius			LC
Asteraceae	Euryops	oligoglossus	subsp.	oligoglossus	LC
Asteraceae	Euryops	oligoglossus	subsp.	racemosus	LC
Asteraceae	Euryops	subcarnosus	subsp.	vulgaris	LC
Asteraceae	Euryops	abrotanifolius			LC
Asteraceae	Felicia	namaquana			LC
Asteraceae	Felicia	lasiocarpa			LC
Asteraceae	Felicia	muricata	subsp.	muricata	LC
Asteraceae	Felicia	ovata			LC
Asteraceae	Felicia	filifolia	subsp.	schaeferi	LC
Asteraceae	Felicia	filifolia	subsp.	filifolia	LC
Asteraceae	Felicia	hirsuta	-		LC
Asteraceae	Felicia	rogersii			LC

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Asteraceae	Garuleum	bipinnatum			LC
Asteraceae	Gazania	lichtensteinii			LC
Asteraceae	Gazania	krebsiana			
Asteraceae	Gazania	krebsiana	subsp.	serrulata	LC
Asteraceae	Gazania	serrata			LC
Asteraceae	Gazania	krebsiana	subsp.	arctotoides	LC
Asteraceae	Geigeria	obtusifolia			LC
Asteraceae	Geigeria	filifolia			LC
Asteraceae	Geigeria	ornativa	subsp.	ornativa	LC
Asteraceae	Gnaphalium	confine			LC
Asteraceae	Gorteria	alienata			
Asteraceae	Helichrysum	albertense			DD
Asteraceae	Helichrysum	cerastioides	var.	cerastioides	LC
Asteraceae	Helichrysum	rugulosum			LC
Asteraceae	Helichrysum	pumilio	subsp.	pumilio	LC
Asteraceae	Helichrysum	dregeanum			LC
Asteraceae	Helichrysum	lineare			LC
Asteraceae	Helichrysum	zeyheri			LC
Asteraceae	Helichrysum	pentzioides			LC
Asteraceae	Helichrysum	lucilioides			LC
Asteraceae	Helichrysum	trilineatum			LC
Asteraceae	Helichrysum	rosum	var.	arcuatum	LC
Asteraceae	Hertia	cluytiifolia			LC
Asteraceae	Ifloga	glomerata			LC
Asteraceae	Kleinia	longiflora			LC
Asteraceae	Lactuca	inermis			LC
Asteraceae	Lasiopogon	glomerulatus			LC
Asteraceae	Lasiopogon	muscoides			LC
Asteraceae	Leysera	tenella			LC
Asteraceae	Leysera	gnaphalodes			LC
Asteraceae	Macledium	spinosum			LC
Asteraceae	Mantisalca	salmantica			
Asteraceae	Oedera	spinescens			
Asteraceae	Oedera	oppositifolia			
Asteraceae	Oedera	humilis			
Asteraceae	Oedera	glandulosa			
Asteraceae	Oncosiphon	grandiflorus			LC
Asteraceae	Oncosiphon	piluliferus			LC
Asteraceae	Osteospermum	scariosum	var.	scariosum	NE
Asteraceae	Osteospermum	calendulaceum	*	*******	LC
Asteraceae	Osteospermum	scariosum	var.	integrifolium	NE
Asteraceae	Osteospermum	spinescens			LC
Asteraceae	Osteospermum	sinuatum			

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Asteraceae	Osteospermum	leptolobum			LC
Asteraceae	Osteospermum	microphyllum			LC
Asteraceae	Othonna	eriocarpa			LC
Asteraceae	Othonna	furcata			LC
Asteraceae	Othonna	pavonia			LC
Asteraceae	Pegolettia	retrofracta			LC
Asteraceae	Pentzia	tortuosa			LC
Asteraceae	Pentzia	globosa			LC
Asteraceae	Pentzia	quinquefida			LC
Asteraceae	Pentzia	lanata			LC
Asteraceae	Pentzia	punctata			LC
Asteraceae	Pentzia	incana			LC
Asteraceae	Pentzia	sp.			
Asteraceae	Phymaspermum	aciculare			LC
Asteraceae	Phymaspermum	thymelaeoides			
Asteraceae	Phymaspermum	parvifolium			LC
Asteraceae	Pseudognaphalium	undulatum			LC
Asteraceae	Pseudognaphalium	luteoalbum			LC
Asteraceae	Pteronia	adenocarpa			LC
Asteraceae	Pteronia	staehelinoides			LC
Asteraceae	Pteronia	membranacea			LC
Asteraceae	Pteronia	glaucescens			LC
Asteraceae	Pteronia	glauca			LC
Asteraceae	Pteronia	paniculata			LC
Asteraceae	Pteronia	viscosa			LC
Asteraceae	Pteronia	glomerata			LC
Asteraceae	Rhynchopsidium	sessiliflorum			LC
Asteraceae	Senecio	hastatus			LC
Asteraceae	Senecio	angustifolius			LC
Asteraceae	Senecio	reptans			LC
Asteraceae	Senecio	striatifolius			LC
Asteraceae	Senecio	articulatus			
Asteraceae	Senecio	asperulus			LC
Asteraceae	Senecio	sp.			
Asteraceae	Senecio	burchellii			LC
Asteraceae	Senecio	cordifolius			LC
Asteraceae	Senecio	cotyledonis			LC
Asteraceae	Senecio	achilleifolius			LC
Asteraceae	Senecio	incomptus			LC
Asteraceae	Senecio	madagascariensis			LC
Asteraceae	Senecio	pinnulatus			LC
Asteraceae	Senecio	niveus			LC
Asteraceae	Sonchus	asper	subsp.	asper	
ASICIALEAE	Jonana	usper	ստոր.	υσρεί	

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Asteraceae	Sonchus	tenerrimus			LC
Asteraceae	Symphyotrichum	squamatum			
Asteraceae	Tarchonanthus	minor			LC
Asteraceae	Tragopogon	dubius			
Asteraceae	Troglophyton	capillaceum	subsp.	capillaceum	LC
Asteraceae	Ursinia	nana	subsp.	nana	LC
Asteraceae	Vellereophyton	niveum			LC
Asteraceae	Vellereophyton	dealbatum			LC
Bignoniaceae	Rhigozum	obovatum			LC
Bignoniaceae	Rhigozum	trichotomum			LC
Boraginaceae	Amsinckia	menziesii			
Boraginaceae	Anchusa	capensis			
Boraginaceae	Anchusa	riparia			LC
Boraginaceae	Heliotropium	supinum			
Boraginaceae	Lappula	heteracantha			
Boraginaceae	Lobostemon	stachydeus			LC
Boraginaceae	Trichodesma	africanum			LC
Brassicaceae	Erucastrum	strigosum			LC
Brassicaceae	Heliophila	sp.			
Brassicaceae	Heliophila	suavissima			LC
Brassicaceae	Heliophila	minima			LC
Brassicaceae	Heliophila	trifurca			LC
Brassicaceae	Heliophila	crithmifolia			LC
Brassicaceae	Lepidium	africanum	subsp.	africanum	LC
Brassicaceae	Lepidium	englerianum			
Brassicaceae	Lepidium	desertorum			LC
Brassicaceae	Sisymbrium	burchellii	var.	burchellii	LC
Brassicaceae	Sisymbrium	capense			LC
Bryaceae	Bryum	alpinum			
Campanulaceae	Wahlenbergia	cernua			LC
Campanulaceae	Wahlenbergia	capillacea	subsp.	capillacea	LC
Campanulaceae	Wahlenbergia	nodosa			LC
Capparaceae	Cadaba	aphylla			LC
Caryophyllaceae	Cerastium	capense			LC
Caryophyllaceae	Dianthus	namaensis	var.	dinteri	LC
Caryophyllaceae	Dianthus	micropetalus			LC
Caryophyllaceae	Pollichia	campestris			LC
Caryophyllaceae	Polycarpon	tetraphyllum			
Caryophyllaceae	Silene	burchellii	subsp.	modesta	LC
Caryophyllaceae	Silene	undulata	subsp.	undulata	LC
Caryophyllaceae	Silene	burchellii	subsp.	pilosellifolia	
Caryophyllaceae	Silene	undulata	•	-	
Caryophyllaceae	Spergularia	sp.			

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Caryophyllaceae	Spergularia	media			
Celastraceae	Gymnosporia	buxifolia			LC
Colchicaceae	Colchicum	melanthoides			
Colchicaceae	Colchicum	burkei			LC
Colchicaceae	Colchicum	asteroides			LC
Colchicaceae	Colchicum	albomarginatum			LC
Colchicaceae	Colchicum	striatum			LC
Colchicaceae	Ornithoglossum	dinteri			LC
Colchicaceae	Ornithoglossum	undulatum			LC
Convolvulaceae	Convolvulus	dregeanus			LC
Convolvulaceae	Convolvulus	sagittatus			LC
Crassulaceae	Adromischus	maculatus			LC
Crassulaceae	Adromischus	humilis			LC
Crassulaceae	Adromischus	hemisphaericus			LC
Crassulaceae	Cotyledon	cuneata			LC
Crassulaceae	Cotyledon	papillaris			LC
Crassulaceae	Cotyledon	orbiculata	var.	oblonga	LC
Crassulaceae	Crassula	corallina	subsp.	corallina	LC
Crassulaceae	Crassula	capitella	subsp.	thyrsiflora	LC
Crassulaceae	Crassula	pubescens	subsp.	pubescens	LC
Crassulaceae	Crassula	subaphylla	var.	subaphylla	LC
Crassulaceae	Crassula	rupestris	subsp.	rupestris	LC
Crassulaceae	Crassula	natans	var.	minus	LC
Crassulaceae	Crassula	montana	subsp.	quadrangularis	LC
Crassulaceae	Crassula	tetragona	subsp.	tetragona	LC
Crassulaceae	Crassula	natans	•	5	
Crassulaceae	Crassula	garibina	subsp.	glabra	LC
Crassulaceae	Crassula	corallina	subsp.	macrorrhiza	LC
Crassulaceae	Crassula	muscosa	var.	muscosa	NE
Crassulaceae	Crassula	deltoidea			LC
Cucurbitaceae	Citrullus	lanatus			LC
Cucurbitaceae	Cucumis	africanus			LC
Cucurbitaceae	Cucumis	zeyheri			LC
Cucurbitaceae	Cucumis	myriocarpus	subsp.	leptodermis	LC
Cyperaceae	Afroscirpoides	dioeca			
Cyperaceae	Bulbostylis	humilis			LC
Cyperaceae	Cyperus	longus	var.	tenuiflorus	NE
Cyperaceae	Cyperus	bellus		,	LC
Cyperaceae	Cyperus	capensis			LC
Cyperaceae	Cyperus	marginatus			LC
Cyperaceae	Cyperus	laevigatus			LC
Cyperaceae	Cyperus	usitatus			LC
Cypciaceae	Cypeius	usitutus			

Cyperaceae Fuirena coerulescens LC Cyperaceae Isolepis setocea LC Cyperaceae Isolepis expallescens VU Cyperaceae Isolepis karroica LC Cyperaceae Pseudoschoenus inanis LC Cyperaceae Schoenoxiphium sp. LC Dipsacaceae Scabiosa columbaria LC Ditrichaceae Diospyros lycioides subsp. lycioides LC Ebenaceae Diospyros austro-africana var. microphylla LC Euphorbia peplus subsp. vat LC	Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Cyperaceae Isolepis expallescens Cyperaceae Isolepis karroica CC Cyperaceae Isolepis karroica CC Cyperaceae Pseudoschoenus Inanis CC CC Cyperaceae Schoenoxiphium Sp. CD COperaceae Scabiosa Columbaria CC COperaceae Scabiosa Columbaria CC COperaceae Scabiosa Columbaria CC COperaceae Ceratodon purpureus Subsp. Stenocarpus CC CE CE CE CE CE CE C	Cyperaceae	Fuirena	coerulescens			LC
Cyperaceae Pseudoschoenus inanis	Cyperaceae	Isolepis	setacea			LC
Cyperaceae Pseudoschoenus Inanis LC Cyperaceae Schoenoxiphium sp. C Dipsacaceae Scabiosa columbaria LC Ditrichaceae Ceratodon purpureus subsp. stenocarpus Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus NE NE Euphorbiaceae Euphorbia serpens NE LC Euphorbiaceae Euphorbia spenacea LC LC Euphorbiaceae Euphorbia hypogaea LC LC Euphorbiaceae Euphorbia spanacea LC LC Euphorbiaceae Euphorbia cloaviolas L	Cyperaceae	Isolepis	expallescens			VU
Cyperaceae Schoenoxiphium sp. LC Dipsacaceae Scobiosa columbaria LC Ditrichaceae Ceratodon purpureus subsp. stenocarpus Ebenaceae Diospyros lycioides LC Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Euclea crispa subsp. ovata LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia serpens - NE Euphorbiaceae Euphorbia stellispina - LC Euphorbiaceae Euphorbia stellispina - LC Euphorbiaceae Euphorbia hypogaea LC LC Euphorbiaceae Euphorbia spartaria LC LC Euphorbiaceae Euphorbia spartaria LC LC Euphorbiaceae Euphorbia spartaria LC LC Euphorbiaceae Euphorbia mauritanica LC LC	Cyperaceae	Isolepis	karroica			LC
Dipsacaceae Scabiosa Columbaria Subsp. Stenocarpus Subsp.	Cyperaceae	Pseudoschoenus	inanis			LC
Ditrichaceae Ceratodon purpureus subsp. stenocarpus Ebenaceae Diospyros lycioides subsp. lycioides LC Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus subsp. ovata LC Euphorbiaceae Euphorbia peplus subsp. ovata LC Euphorbiaceae Euphorbia serpens NE LC Euphorbiaceae Euphorbia stellispina LC LC Euphorbiaceae Euphorbia hypogaea LC LC Euphorbiaceae Euphorbia spartoria LC LC Euphorbiaceae Euphorbia spartoria L LC Euphorbiaceae Euphorbia clavarioides LC LC Euphorbiaceae Euphorbia clavarioides var. communis NE	Cyperaceae	Schoenoxiphium	sp.			
Ebenaceae Diospyros lycioides usbsp. lycioides LC Ebenaceae Diospyros austro-africana var. microphylla LC Ebenaceae Diospyros austro-africana var. microphylla LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia serpens NE Euphorbiaceae Euphorbia serpens NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia sportaria LC Euphorbiaceae Euphorbia sportaria LC Euphorbiaceae Euphorbia clo LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia gualitaria Var. communis NE Euphorbia reuphorbia	Dipsacaceae	Scabiosa	columbaria			LC
Ebenaceae Diospyros austro-africana var. austro-africana LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia sp. LC Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia clavarioides Var. communis LC Euphorbiaceae Euphorbia clavarioides Var. communis NE Euphorbiaceae Euphorbia clavarioides Var.	Ditrichaceae	Ceratodon	purpureus	subsp.	stenocarpus	
Ebenaceae Diospyros austro-africana var. microphylla LC Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia clourioides LC Euphorbiaceae Euphorbia clourioides LC Euphorbiaceae Euphorbia clourioides LC Euphorbia clourioides LC Euphorbia clourioides LC	Ebenaceae	Diospyros	lycioides	subsp.	lycioides	LC
Ebenaceae Euclea crispa subsp. ovata LC Euphorbiaceae Euphorbia peplus NE Euphorbiaceae Euphorbia serpens NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia cloavrioides LC Euphorbiaceae Euphorbia mauritonica LC Euphorbiaceae Euphorbia cloavrioides LC Euphorbiaceae Euphorbia cloavrioides LC Euphorbiaceae Euphorbia cloavrioides LC Euphorbiaceae Euphorbia cloavrioides LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium sp. acicularis LC Fabaceae Aspalathus acicu	Ebenaceae	Diospyros	austro-africana	var.	austro-africana	LC
Euphorbiaceae Euphorbia serpens NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia communis var. communis NE Euphorbiaceae Euphorbia argenteum var. communis NE Euphorbiaceae Euphorbia communis var. communis NE Euphorbiaceae Euphorbia communis var. communis NE Euphorbiaceae Argyrolobium argenteum subsp. acicularis LC Fabaceae Aspalathus acicularis subsp. acicularis LC <t< td=""><td>Ebenaceae</td><td>Diospyros</td><td>austro-africana</td><td>var.</td><td>microphylla</td><td>LC</td></t<>	Ebenaceae	Diospyros	austro-africana	var.	microphylla	LC
Euphorbiaceae Euphorbia serpens NE Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia clovarioides LC Euphorbia clovarioides var. communis NE Euphorbia clovarioides subspandia LC	Ebenaceae	Euclea	crispa	subsp.	ovata	LC
Euphorbiaceae Euphorbia stellispina LC Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum LC LC Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Indigofera meyeriana LC LC Fabaceae Indigofera alternans LC <td>Euphorbiaceae</td> <td>Euphorbia</td> <td>peplus</td> <td></td> <td></td> <td>NE</td>	Euphorbiaceae	Euphorbia	peplus			NE
Euphorbiaceae Euphorbia rhombifolia LC Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia sp. Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum LC Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans Fabaceae Indigofera exigua Fabaceae Indigofera exigua Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera heterophylla LC Fabaceae Indigofera heterophylla LC Fabaceae Indigofera heterophylla LC Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia inflata LC Fabaceae Lessertia paucifiora	Euphorbiaceae	Euphorbia	serpens			NE
Euphorbiaceae Euphorbia hypogaea LC Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia sp. Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium sp. communis NE Fabaceae Aspolathus acicularis subsp. acicularis LC Fabaceae Aspolathus aciphylla LC LC Fabaceae Indigofera meyeriana L LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua L LC Fabaceae Indigofera exigua L LC Fabaceae Indigofera exigua L LC	Euphorbiaceae	Euphorbia	stellispina			LC
Euphorbiaceae Euphorbia inaequilatera LC Euphorbiaceae Euphorbia spartaria LC Euphorbiaceae Euphorbia sp. Euphorbiaceae Euphorbia sp. Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum sp. Fabaceae Argyrolobium sp. Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Dichilus gracilis LC Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sp. Fabaceae Indigofera pulcifloria sp. Fabaceae Indigofera sp. Fabaceae Indigofera pulcifloria sp. Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera pulcifloria sp. Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera pulcifloria sp. Fabaceae Indigofera pulcifloria sp. Fabaceae Indigofera sp. Fabaceae Indigofera pulcifloria sp.	Euphorbiaceae	Euphorbia	rhombifolia			LC
Euphorbiaceae Euphorbia spartaria sp. Euphorbiaceae Euphorbia sp. Euphorbiaceae Euphorbia clavarioides LC Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum LC Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Indigafera meyeriana var. alternans LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera paternans var. alternans LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera paternans LC F	Euphorbiaceae	Euphorbia	hypogaea			LC
EuphorbiaceaeEuphorbiasp.EuphorbiaceaeEuphorbiaclavarioidesLCEuphorbiaceaeEuphorbiamauritanicaLCEuphorbiaceaeEuphorbiacylindricaLCEuphorbiaceaeRicinuscommunisvar.communisNEFabaceaeArgyrolobiumargenteumLCLCFabaceaeAspalathusacicularissubsp.acicularisLCFabaceaeAspalathusaciphyllaLCLCFabaceaeDichilusgracilisLCLCFabaceaeIndigoferameyerianaLCLCFabaceaeIndigoferaalternansvar.alternansLCFabaceaeIndigoferaalternansLCFabaceaeIndigoferaexiguaLCLCFabaceaeIndigoferasessilifoliaLCLCFabaceaeIndigoferasp.LCFabaceaeIndigoferaheterophyllaLCLCFabaceaeLessertiainflataLCLCFabaceaeLessertiainflataLCLCFabaceaeLessertiapauciflora	Euphorbiaceae	Euphorbia	inaequilatera			LC
EuphorbiaceaeEuphorbiaclavarioidesLCEuphorbiaceaeEuphorbiamauritanicaLCEuphorbiaceaeEuphorbiacylindricaLCEuphorbiaceaeRicinuscommunisvar.communisNEFabaceaeArgyrolobiumargenteumLCFabaceaeAspalathusacicularissubsp.acicularisLCFabaceaeAspalathusaciphyllaLCFabaceaeDichilusgracilisLCFabaceaeIndigastrumniveumLCFabaceaeIndigoferameyerianaLCFabaceaeIndigoferaalternansvar.alternansLCFabaceaeIndigoferaalternansLCFabaceaeIndigoferaexiguaLCFabaceaeIndigoferasessilifoliaLCFabaceaeIndigoferasp.FabaceaeIndigoferaheterophyllaLCFabaceaeLessertiainflataLCFabaceaeLessertiapauciflora	Euphorbiaceae	Euphorbia	spartaria			LC
Euphorbiaceae Euphorbia mauritanica LC Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum LC Fabaceae Aspolathus sp. Fabaceae Aspolathus acicularis subsp. acicularis LC Fabaceae Aspolathus gracilis LC Fabaceae Dichilus gracilis LC Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia sessilifolia sp. Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Indigofera puciflora inflata LC Fabaceae Lessertia inflata LC Fabaceae Lessertia inflata LC Fabaceae Lessertia inflata LC Fabaceae Lessertia pauciflora	Euphorbiaceae	Euphorbia	sp.			
Euphorbiaceae Euphorbia cylindrica LC Euphorbiaceae Ricinus communis var. communis NE Fabaceae Argyrolobium argenteum LC Fabaceae Argyrolobium sp. Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera pheterophylla LC Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia	Euphorbiaceae	Euphorbia	clavarioides			LC
EuphorbiaceaeRicinuscommunisvar.communisNEFabaceaeArgyrolobiumargenteumLCFabaceaeArgyrolobiumsp.FabaceaeAspalathusacicularissubsp.acicularisLCFabaceaeAspalathusaciphyllaLCFabaceaeDichilusgracilisLCFabaceaeIndigastrumniveumLCFabaceaeIndigoferameyerianavar.alternansLCFabaceaeIndigoferaalternansvar.alternansLCFabaceaeIndigoferaexiguaLCLCFabaceaeIndigoferasessilifoliaLCLCFabaceaeIndigoferasp.LCFabaceaeIndigoferaheterophyllaLCLCFabaceaeLessertiainflataLCLCFabaceaeLessertiapauciflora	Euphorbiaceae	Euphorbia	mauritanica			LC
Fabaceae Argyrolobium sp. Fabaceae Argyrolobium sp. Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera sp. Fabaceae Indigofera pheterophylla LC Fabaceae Indigofera pauciflora	Euphorbiaceae	Euphorbia	cylindrica			LC
Fabaceae Argyrolobium sp. Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera pheterophylla LC Fabaceae Indigofera pauciflora	Euphorbiaceae	Ricinus	communis	var.	communis	NE
Fabaceae Aspalathus acicularis subsp. acicularis LC Fabaceae Aspalathus aciphylla LC Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera pheterophylla LC Fabaceae Indigofera pauciflora	Fabaceae	Argyrolobium	argenteum			LC
Fabaceae Aspalathus aciphylla LC Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera pheterophylla LC Fabaceae Indigofera pauciflora	Fabaceae	Argyrolobium	sp.			
Fabaceae Dichilus gracilis LC Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera alternans Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata pauciflora	Fabaceae	Aspalathus	acicularis	subsp.	acicularis	LC
Fabaceae Indigastrum niveum Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera alternans Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia	Fabaceae	Aspalathus	aciphylla			LC
Fabaceae Indigofera meyeriana LC Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera alternans Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia	Fabaceae	Dichilus	gracilis			LC
Fabaceae Indigofera alternans var. alternans LC Fabaceae Indigofera alternans Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia	Fabaceae	Indigastrum	niveum			
FabaceaeIndigoferaalternansFabaceaeIndigoferaexiguaLCFabaceaeIndigoferasessilifoliaLCFabaceaeIndigoferasp.FabaceaeIndigoferaheterophyllaLCFabaceaeLessertiainflataLCFabaceaeLessertiapauciflora	Fabaceae	Indigofera	meyeriana			LC
Fabaceae Indigofera exigua LC Fabaceae Indigofera sessilifolia LC Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia pauciflora	Fabaceae	Indigofera	alternans	var.	alternans	LC
FabaceaeIndigoferasessilifoliaLCFabaceaeIndigoferasp.FabaceaeIndigoferaheterophyllaLCFabaceaeLessertiainflataLCFabaceaeLessertiapauciflora	Fabaceae	Indigofera	alternans			
Fabaceae Indigofera sp. Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia pauciflora	Fabaceae	Indigofera	exigua			LC
Fabaceae Indigofera heterophylla LC Fabaceae Lessertia inflata LC Fabaceae Lessertia pauciflora	Fabaceae	Indigofera	sessilifolia			LC
FabaceaeLessertiainflataLCFabaceaeLessertiapauciflora	Fabaceae	Indigofera	sp.			
Fabaceae Lessertia pauciflora	Fabaceae	Indigofera	heterophylla			LC
• •	Fabaceae	Lessertia	inflata			LC
Fahaceae Lessertia frutescens subsp. micronhylla LC	Fabaceae	Lessertia	pauciflora			
Tutescens subsp. Interoprising	Fabaceae	Lessertia	frutescens	subsp.	microphylla	LC
Fabaceae Lessertia frutescens subsp. frutescens LC	Fabaceae	Lessertia	frutescens	subsp.	frutescens	LC
Fabaceae Lessertia annularis LC	Fabaceae	Lessertia	annularis			LC
Fabaceae Listia heterophylla LC	Fabaceae	Listia	heterophylla			LC

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Fabaceae	Lotononis	carnosa	subsp.	carnosa	LC
Fabaceae	Lotononis	azureoides			LC
Fabaceae	Lotononis	pungens			LC
Fabaceae	Lotononis	falcata			LC
Fabaceae	Lotononis	caerulescens			LC
Fabaceae	Lotononis	rabenaviana			LC
Fabaceae	Medicago	sativa			NE
Fabaceae	Melilotus	indicus			NE
Fabaceae	Melolobium	canescens			LC
Fabaceae	Melolobium	candicans			LC
Fabaceae	Melolobium	obcordatum			LC
Fabaceae	Prosopis	glandulosa	var.	glandulosa	NE
Fabaceae	Trifolium	africanum	var.	africanum	NE
Fabaceae	Vachellia	karroo			LC
Fumariaceae	Fumaria	muralis	subsp.	muralis	
Funariaceae	Funaria	hygrometrica			
Gentianaceae	Chironia	palustris	subsp.	palustris	LC
Gentianaceae	Sebaea	natalensis			LC
Geraniaceae	Erodium	cicutarium			
Geraniaceae	Geranium	dregei			LC
Geraniaceae	Monsonia	camdeboensis			LC
Geraniaceae	Monsonia	crassicaulis			LC
Geraniaceae	Monsonia	salmoniflora			LC
Geraniaceae	Pelargonium	tragacanthoides			LC
Geraniaceae	Pelargonium	aridum			LC
Geraniaceae	Pelargonium	abrotanifolium			LC
Geraniaceae	Pelargonium	minimum			LC
Geraniaceae	Pelargonium	glutinosum			LC
Geraniaceae	Pelargonium	pseudofumarioides			LC
Geraniaceae	Pelargonium	alternans	subsp.	alternans	LC
Geraniaceae	Pelargonium	ramosissimum			LC
Geraniaceae	Pelargonium	nervifolium			LC
Geraniaceae	Pelargonium	griseum			LC
Geraniaceae	Pelargonium	senecioides			LC
Geraniaceae	Pelargonium	articulatum			LC
Geraniaceae	Pelargonium	odoratissimum			LC
Geraniaceae	Pelargonium	multicaule	subsp.	multicaule	LC
Gisekiaceae	Gisekia	pharnaceoides			
Gisekiaceae	Gisekia	pharnaceoides	var.	pharnaceoides	LC
Grubbiaceae	Grubbia	rosmarinifolia	subsp.	rosmarinifolia	NE
Hyacinthaceae	Albuca	suaveolens			LC
Hyacinthaceae	Albuca	exuviata			LC
Hyacinthaceae	Albuca	prasina			

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Hyacinthaceae	Albuca	virens	subsp.	arida	LC
Hyacinthaceae	Albuca	sp.			
Hyacinthaceae	Albuca	glandulosa			LC
Hyacinthaceae	Daubenya	marginata			LC
Hyacinthaceae	Dipcadi	ciliare			LC
Hyacinthaceae	Dipcadi	viride			LC
Hyacinthaceae	Drimia	anomala			LC
Hyacinthaceae	Drimia	sp.			
Hyacinthaceae	Drimia	intricata			LC
Hyacinthaceae	Drimia	platyphylla			LC
Hyacinthaceae	Ledebouria	apertiflora			LC
Hyacinthaceae	Ledebouria	revoluta			LC
Hyacinthaceae	Massonia	echinata			LC
Hyacinthaceae	Ornithogalum	juncifolium			LC
Hyacinthaceae	Ornithogalum	flexuosum			LC
Hyacinthaceae	Veltheimia	capensis			LC
Hypoxidaceae	Empodium	gloriosum			LC
Hypoxidaceae	Empodium	elongatum			LC
Iridaceae	Babiana	bainesii			LC
Iridaceae	Gladiolus	permeabilis	subsp.	edulis	LC
Iridaceae	Lapeirousia	plicata	subsp.	foliosa	
Iridaceae	Moraea	unguiculata			LC
Iridaceae	Moraea	sp.			
ridaceae	Moraea	miniata			LC
ridaceae	Moraea	ciliata			LC
ridaceae	Romulea	atrandra	var.	esterhuyseniae	LC
ridaceae	Tritonia	karooica			LC
luncaceae	Juncus	punctorius			LC
luncaceae	Juncus	capensis			LC
luncaceae	Juncus	dregeanus	subsp.	dregeanus	LC
luncaceae	Juncus	oxycarpus			LC
luncaceae	Juncus	exsertus			LC
luncaceae	Juncus	rigidus			LC
Kewaceae	Кеwа	salsoloides			LC
Lamiaceae	Ballota	africana			LC
Lamiaceae	Lamium	amplexicaule			
Lamiaceae	Mentha	longifolia	subsp.	capensis	LC
Lamiaceae	Salvia	disermas			LC
Lamiaceae	Salvia	stenophylla			
Lamiaceae	Salvia	verbenaca			LC
Lamiaceae	Stachys	cuneata			LC
Lamiaceae	Stachys	linearis			LC
Lamiaceae	Stachys	rugosa			LC

Family	Genus	Species	Rank	Subspecies	IUCN
		-			Status ¹
Lamiaceae	Teucrium	trifidum			LC
Lentibulariaceae	Utricularia	bisquamata			LC
Leucobryaceae	Campylopus	introflexus			
Limeaceae	Limeum	aethiopicum	var.	intermedium	NE
Limeaceae	Limeum	aethiopicum	var.	aethiopicum	NE
Linaceae	Linum	thunbergii			LC
Lobeliaceae	Lobelia	erinus			LC
Lobeliaceae	Lobelia	thermalis			LC
Lobeliaceae	Lobelia	dregeana			LC
Loranthaceae	Moquiniella	rubra			LC
Loranthaceae	Septulina	glauca			LC
Lycopodiaceae	Lycopodium	clavatum			LC
Lythraceae	Nesaea	anagalloides			LC
Malvaceae	Abutilon	sonneratianum			LC
Malvaceae	Anisodontea	malvastroides			LC
Malvaceae	Anisodontea	scabrosa			LC
Malvaceae	Anisodontea	sp.			
Malvaceae	Anisodontea	capensis			LC
Malvaceae	Anisodontea	triloba			LC
Malvaceae	Grewia	robusta			LC
Malvaceae	Hermannia	alnifolia			LC
Malvaceae	Hermannia	grandiflora			LC
Malvaceae	Hermannia	paucifolia			LC
Malvaceae	Hermannia	filifolia	var.	filifolia	NE
Malvaceae	Hermannia	stipulacea			LC
Malvaceae	Hermannia	pulchella			LC
Malvaceae	Hermannia	coccocarpa			LC
Malvaceae	Hermannia	filifolia	var.	grandicalyx	NE
Malvaceae	Hermannia	cuneifolia	var.	glabrescens	LC
Malvaceae	Hermannia	cuneifolia	var.	cuneifolia	LC
Malvaceae	Hermannia	vestita			LC
Malvaceae	Hermannia	burkei			LC
Malvaceae	Hermannia	sp.			
Malvaceae	Hermannia	erodioides			LC
Malvaceae	Hermannia	desertorum			LC
Malvaceae	Hermannia	spinosa			LC
Malvaceae	Hermannia	abrotanoides			LC
Malvaceae	Hermannia	althaeifolia			LC
Malvaceae	Hermannia	pulverata			LC
Malvaceae	Hermannia	linearifolia			LC
Malvaceae	Hermannia	comosa			LC
Malvaceae	Hermannia	bicolor			LC
Malvaceae	Hibiscus	pusillus			LC
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Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Malvaceae	Malva	parviflora	var.	parviflora	
Malvaceae	Melhania	rehmannii			LC
Malvaceae	Radyera	urens			LC
Melianthaceae	Melianthus	comosus			LC
Menispermaceae	Cissampelos	capensis			LC
Molluginaceae	Pharnaceum	confertum	var.	brachyphyllum	LC
Molluginaceae	Pharnaceum	detonsum			LC
Nyctaginaceae	Boerhavia	cordobensis			
Oleaceae	Menodora	juncea			LC
Ophioglossaceae	Ophioglossum	polyphyllum	var.	polyphyllum	LC
Orchidaceae	Eulophia	hians	var.	nutans	LC
Orobanchaceae	Harveya	sp.			
Oxalidaceae	Oxalis	obtusa			LC
Oxalidaceae	Oxalis	pes-caprae	var.	pes-caprae	LC
Oxalidaceae	Oxalis	heterophylla			LC
Oxalidaceae	Oxalis	setosa			DD
Oxalidaceae	Oxalis	psilopoda			LC
Papaveraceae	Papaver	aculeatum			LC
Pedaliaceae	Sesamum	capense			LC
Peraceae	Clutia	sp.			
Peraceae	Clutia	thunbergii			LC
Plantaginaceae	Plantago	lanceolata			LC
Plantaginaceae	Plantago	major			
Plantaginaceae	Veronica	persica			NE
Plantaginaceae	Veronica	anagallis-aquatica			LC
Plumbaginaceae	Limonium	sinuatum	subsp.	sinuatum	
Poaceae	Agrostis	lachnantha	var.	lachnantha	LC
Poaceae	Aristida	diffusa	subsp.	diffusa	LC
Poaceae	Aristida	diffusa	subsp.	burkei	LC
Poaceae	Aristida	adscensionis			LC
Poaceae	Brachiaria	marlothii			LC
Poaceae	Brachypodium	bolusii			LC
Poaceae	Bromus	catharticus			NE
Poaceae	Bromus	pectinatus			LC
Poaceae	Cenchrus	ciliaris			LC
Poaceae	Chaetobromus	involucratus	subsp.	dregeanus	LC
Poaceae	Cymbopogon	dieterlenii	•		LC
Poaceae	Cymbopogon	prolixus			LC
Poaceae	Cymbopogon	nardus			LC
Poaceae	Cynodon	dactylon			LC
Poaceae	Cynodon	incompletus			LC
Poaceae	, Digitaria	argyrograpta			LC
Poaceae	Digitaria	sanguinalis			NE

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Poaceae	Digitaria	eriantha			LC
Poaceae	Echinochloa	colona			LC
Poaceae	Ehrharta	dura			LC
Poaceae	Ehrharta	erecta	var.	erecta	LC
Poaceae	Ehrharta	calycina			LC
Poaceae	Ehrharta	delicatula			LC
Poaceae	Enneapogon	desvauxii			LC
Poaceae	Enneapogon	cenchroides			LC
Poaceae	Enneapogon	scaber			LC
Poaceae	Eragrostis	chloromelas			LC
Poaceae	Eragrostis	lehmanniana	var.	lehmanniana	LC
Poaceae	Eragrostis	bicolor			LC
Poaceae	Eragrostis	procumbens			LC
Poaceae	Eragrostis	obtusa			LC
Poaceae	Eragrostis	homomalla			LC
Poaceae	Eragrostis	cilianensis			LC
Poaceae	Eragrostis	curvula			LC
Poaceae	Eragrostis	mexicana	subsp.	virescens	NE
Poaceae	Festuca	scabra			LC
Poaceae	Fingerhuthia	sesleriiformis			LC
Poaceae	Fingerhuthia	africana			LC
Poaceae	Helictotrichon	hirtulum			LC
Poaceae	Helictotrichon	sp.			
Poaceae	Heteropogon	contortus			LC
Poaceae	Hordeum	capense			LC
Poaceae	Hordeum	murinum	subsp.	glaucum	NE
Poaceae	Hyparrhenia	hirta			LC
Poaceae	Leptochloa	fusca			LC
Poaceae	Lolium	rigidum			NE
Poaceae	Lolium	perenne			NE
Poaceae	Lolium	multiflorum			NE
Poaceae	Melica	racemosa			LC
Poaceae	Melica	decumbens			LC
Poaceae	Oropetium	capense			LC
Poaceae	Panicum	maximum			LC
Poaceae	Panicum	sp.			
Poaceae	Paspalum	dilatatum			NE
Poaceae	Pennisetum	sphacelatum			LC
Poaceae	Pentameris	airoides	subsp.	airoides	LC
Poaceae	Pentameris	aristifolia			LC
Poaceae	Phragmites	australis			LC
Poaceae	Polypogon	monspeliensis			NE
Poaceae	Schismus	barbatus			LC

amily	Genus	Species	Rank	Subspecies	IUCN Status ¹
Poaceae	Setaria	verticillata			LC
Poaceae	Setaria	sphacelata	var.	torta	LC
Poaceae	Sorghum	sp.			
Poaceae	Sporobolus	ioclados			LC
Poaceae	Sporobolus	fimbriatus			LC
Poaceae	Sporobolus	tenellus			LC
Poaceae	Sporobolus	fourcadii			LC
Poaceae	Stipagrostis	ciliata	var.	capensis	LC
Poaceae	Stipagrostis	obtusa			LC
Poaceae	Stipagrostis	namaquensis			LC
Poaceae	Tenaxia	disticha			
Poaceae	Tetrachne	dregei			LC
Poaceae	Themeda	triandra			LC
Poaceae	Tragus	koelerioides			LC
Poaceae	Tragus	racemosus			LC
Poaceae	Tragus	berteronianus			LC
Poaceae	Tribolium	purpureum			LC
Poaceae	Tricholaena	capensis	subsp.	capensis	LC
Polygalaceae	Muraltia	macrocarpa			LC
Polygalaceae	Polygala	leptophylla	var.	leptophylla	LC
Polygalaceae	Polygala	ephedroides			LC
Polygalaceae	Polygala	sp.			
Polygalaceae	Polygala	hottentotta			LC
Polygalaceae	Polygala	ericaefolia			LC
Polygalaceae	Polygala	asbestina			LC
Polygonaceae	Polygonum	aviculare			
Polygonaceae	Rumex	crispus			
Polygonaceae	Rumex	lanceolatus			LC
Portulacaceae	Portulaca	oleracea			
Potamogetonaceae	Potamogeton	pusillus			LC
Potamogetonaceae	Zannichellia	palustris			LC
Pteridaceae	Adiantum	capillus-veneris			LC
Pteridaceae	Cheilanthes	hirta	var.	brevipilosa	
Pteridaceae	Cheilanthes	hirta	var.	hirta	LC
Pteridaceae	Cheilanthes	induta			LC
Pteridaceae	Cheilanthes	eckloniana			LC
Pteridaceae	Pellaea	calomelanos	var.	calomelanos	LC
Pteridaceae	Pellaea	rufa			LC
Ranunculaceae	Clematis	brachiata			LC
Ranunculaceae	Ranunculus	multifidus			LC
Ranunculaceae	Ranunculus	trichophyllus			LC
Ricciaceae	Riccia	albovestita			-
Rosaceae	Rubus	ludwigii	subsp.	ludwigii	LC

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Rubiaceae	Anthospermum	rigidum	subsp.	pumilum	LC
Rubiaceae	Anthospermum	dregei	subsp.	dregei	LC
Rubiaceae	Galium	capense	subsp.	capense	LC
Rubiaceae	Kohautia	caespitosa	subsp.	brachyloba	LC
Rubiaceae	Kohautia	cynanchica			LC
Rubiaceae	Nenax	microphylla			LC
Ruscaceae	Eriospermum	corymbosum			LC
Rutaceae	Agathosma	cerefolium			LC
Rutaceae	Ruta	graveolens			
Salicaceae	Populus	nigra	var.	italica	
Salicaceae	Salix	mucronata	subsp.	mucronata	LC
Santalaceae	Lacomucinaea	lineata			
Santalaceae	Thesium	sonderianum			DD
Santalaceae	Thesium	junceum	var.	junceum	LC
Santalaceae	Thesium	disciflorum			LC
Santalaceae	Viscum	hoolei			LC
Santalaceae	Viscum	rotundifolium			LC
Santalaceae	Viscum	continuum			LC
Scrophulariaceae	Aptosimum	procumbens			LC
Scrophulariaceae	Aptosimum	spinescens			LC
Scrophulariaceae	Aptosimum	indivisum			LC
Scrophulariaceae	Buddleja	glomerata			LC
Scrophulariaceae	Buddleja	salviifolia			LC
Scrophulariaceae	Chaenostoma	archeri			LC
Scrophulariaceae	Chaenostoma	halimifolium			LC
Scrophulariaceae	Chaenostoma	sp.			
Scrophulariaceae	Chaenostoma	macrosiphon			LC
Scrophulariaceae	Chaenostoma	pauciflorum			LC
Scrophulariaceae	Chaenostoma	revolutum			LC
Scrophulariaceae	Chaenostoma	rotundifolium			LC
Scrophulariaceae	Cromidon	decumbens			LC
Scrophulariaceae	Cromidon	sp.			
Scrophulariaceae	Diascia	sp.			
Scrophulariaceae	Diascia	capsularis			LC
Scrophulariaceae	Diascia	alonsooides			LC
Scrophulariaceae	Gomphostigma	virgatum			LC
Scrophulariaceae	Gomphostigma	incomptum			LC
Scrophulariaceae	Hebenstretia	glaucescens			LC
Scrophulariaceae	Jamesbrittenia	sp.			
Scrophulariaceae	Jamesbrittenia	filicaulis			LC
Scrophulariaceae	Jamesbrittenia	tysonii			LC
Scrophulariaceae	Jamesbrittenia	atropurpurea	subsp.	atropurpurea	LC
Scrophulariaceae	Jamesbrittenia	atropurpurea	•	-	

Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Scrophulariaceae	Limosella	grandiflora			LC
Scrophulariaceae	Manulea	karrooica			LC
Scrophulariaceae	Manulea	chrysantha			LC
Scrophulariaceae	Nemesia	cynanchifolia			LC
Scrophulariaceae	Nemesia	sp.			
Scrophulariaceae	Nemesia	fruticans			LC
Scrophulariaceae	Nemesia	linearis			LC
Scrophulariaceae	Peliostomum	leucorrhizum			LC
Scrophulariaceae	Selago	rigida			LC
Scrophulariaceae	Selago	albida			LC
Scrophulariaceae	Selago	saxatilis			LC
Scrophulariaceae	Selago	acocksii			LC
Scrophulariaceae	Selago	centralis			LC
Scrophulariaceae	Selago	gracilis			LC
Scrophulariaceae	Selago	sp.			
Scrophulariaceae	Selago	magnakarooica			LC
Scrophulariaceae	Selago	geniculata			LC
Scrophulariaceae	Selago	divaricata			LC
Scrophulariaceae	Zaluzianskya	sp.			
Scrophulariaceae	Zaluzianskya	venusta			LC
Solanaceae	Lycium	oxycarpum			LC
Solanaceae	Lycium	schizocalyx			LC
Solanaceae	Lycium	hirsutum			LC
Solanaceae	Lycium	bosciifolium			LC
Solanaceae	Lycium	cinereum			LC
Solanaceae	Lycium	horridum			LC
Solanaceae	Nicotiana	glauca			
Solanaceae	Solanum	burchellii			LC
Solanaceae	Solanum	nigrum			
Solanaceae	Solanum	retroflexum			LC
Solanaceae	Solanum	capense			LC
Solanaceae	Solanum	tomentosum			
Solanaceae	Withania	somnifera			LC
Thymelaeaceae	Gnidia	meyeri			LC
Thymelaeaceae	Lasiosiphon	deserticola			LC
Thymelaeaceae	Passerina	obtusifolia			LC
Thymelaeaceae	Passerina	corymbosa			LC
Urticaceae	Forsskaolea	candida			LC
Urticaceae	Urtica	urens			
Urticaceae	Urtica	dioica			
Verbenaceae	Chascanum	pumilum			LC
Verbenaceae	Chascanum	pinnatifidum	var.	pinnatifidum	LC
Zygophyllaceae	Augea	capensis			LC
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Family	Genus	Species	Rank	Subspecies	IUCN Status ¹
Zygophyllaceae	Roepera	incrustata			
Zygophyllaceae	Roepera	foetida			
Zygophyllaceae	Roepera	lichtensteiniana			
Zygophyllaceae	Tetraena	chrysopteron			
Zygophyllaceae	Tetraena	microcarpa			
Zygophyllaceae	Tribulus	terrestris			LC