

A checklist of the plants of Mahwaqa Mountain, KwaZulu-Natal

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ABSTRACT

A checklist of the plants of Mahwaqa Mountain, KwaZulu-Natal, is presented. The list includes 1 030 indigenous and naturalized flowering plants and ferns. Comparisons are made with the floras of KwaZulu-Natal (Ross 1972), the Cape of Good Hope Nature Reserve, Cape Point (Taylor 1985), the southern Natal Drakensberg (Hilliard & Burtt 1987), the Amatolas (Phillipson 1987), the Langeberg (McDonald 1999) and Umtamvuna Nature Reserve (Abbott *et al.* 2000). It is hoped that the publication of this list will contribute towards the recognition of the area as a natural heritage site.

INTRODUCTION

The Grassland Biome covers 343 000 km² or 16.5% of the land area in South Africa and supports the greatest human population densities and the highest levels of agricultural utilization on the subcontinent, consequently it is under considerable conservation threat. Only 1.12% of South African grasslands are currently conserved despite the fact that they contain high levels of floristic diversity (Rutherford & Westfall 1994). Some idea of the heterogeneity of the Grassland Biome can be gleaned from the fact that it accommodates 25 of Acocks's veld types. Comparative aspects of biodiversity are limited by size disparity in the geographic areas under consideration. However, it is pertinent to mention that our collections from this single mountain exceed 1 000 spp. and the whole of the Cape Peninsula was estimated to support in the region of 2 622 spp. (Adamson & Salter 1950).

Mahwaqa Mountain falls into the Zambezi Sub-region which boasts a number of endemic genera, most of which are concentrated in Angola and in the Drakensberg system, in fact the latter is characterized by a high percentage of local endemics (Takhtajan 1986; Hilliard & Burtt 1987; Cowling & Hilton-Taylor 1997). The mountain falls under Acocks's (1988) Veld Type 44a, Highland Sourveld. About 51.3% of this veld type occurs in KwaZulu-Natal and, of this, 8.7% is protected. Unfortunately, the great majority of conserved vegetation falls within a single reserve, Natal Drakensberg Park, and consequently geographic diversity is under-represented (Scott-Shaw *et al.* 1996). To address this problem it is essential to have information pertaining to the floristic diversity in geographically distinct areas. In this way the conservation importance of such areas, under the threat of agricultural exploitation, can be assessed in some detail.

Mahwaqa Mountain is an outlier of the main Drakensberg and is situated about 50 km to the south of

Drakensberg Gardens between 29° 40'S and 29° 50'S latitude and 29° 38'W and 29° 40'W longitude. The mountain is almost completely surrounded by cultivated land, with the Mossbank Plantation to the south and farmlands to the north, east and west. This situation is dynamic with an ever increasing number of farmers planting exotic timber.

The mountain lies within Turner's (Philips 1973) physiographic region—Bulwer Block—with an altitudinal range of 1 700 m to almost 2 000 m above sea level. The highest point of Mahwaqa Mountain (2 075 m) comprises a basalt cap overlying Clarens Sandstone, with yellow and red apedal, freely drained, dystrophic soils, which have a tendency to be highly leached (Van Oudtshoorn 1992).

Mahwaqa is in the summer rainfall region of southwestern KwaZulu-Natal, with peak precipitation between November and March (Schulze 1982). The summit of the mountain is largely grassland, but intact patches of indigenous forest occur in the sheltered areas, from which fire is excluded, and the largest of these is Inkelabantwana Forest.

The vegetation on a large portion of the mountain is fairly pristine and forms part of a biosphere reserve. Extensive collections have been made by M.A. Rennie on Sunset and Glengariff Farms which are adjacent to the biosphere reserve and reach a maximum elevation of 1 985 m.

MATERIALS AND METHODS

Provisional species inventories for the area were obtained from M.A. Rennie and species lists (no voucher specimens) were provided by R. Scott-Shaw and K. Cooper. In most instances this information was verified and supplemented by a study of herbarium specimens in the Natal University Herbarium (NU) and by a literature search. PRECIS [National Herbarium, Pretoria (**PRE**) Computerised Information System] was consulted and the relevant data was extracted and cross-referenced with voucher specimens at PRE. For the most part, the arrangement of the checklist conforms to the Englerian

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system, followed by De Dalla Torre & Harms (1907) and Arnold & De Wet (1993). The liverworts follow Perold (1999). Naturalized weeds are marked with an asterisk (*).

RESULTS AND DISCUSSION

The flora of Mahwaqa Mountain includes well over 1 000 indigenous species (Table 1) and this constitutes over 21% of the diversity in KwaZulu-Natal (with the total number of Anthophyta for KwaZulu-Natal being 4 875; Hilliard & Burtt 1987). This α -diversity compares favourably with the Amatole Mountains, 1 215 spp. (Phillipson 1987), the Langeberg, 1 228 spp. (McDonald 1999) and Umtamvuna Nature Reserve, 1 332 spp. (Abbott *et al.* 2000).

There are 45 pteridophytes comprising 4.4% of the mountain's flora. The ratio of monocotyledons to dicotyledons on Mahwaqa is 1: 2.1. Ten families of flowering plants are very well represented and collectively constitute over half (53%) of the total species (Table 2). Nineteen families each contribute more than 1% to the total number of species, collectively accounting for 67% of the species. It is interesting to note that the diversity of pteridophytes is high at the family level but low at the species level. Conversely, the monocotyledons show a trend with proportional increments at the generic and species levels. This possibly indicates a fairly low number of families rapidly speciating in conjunction with the spread of the Grassland Biome.

The floristics of many South African habitats are dominated by the Asteraceae (Taylor 1985; Westfall *et al.* 1986; Hilliard & Burtt 1987; Van Wyk *et al.* 1988; Deall & Backer 1989). This family is also dominant on Mahwaqa Mountain (15.6%, Tables 2; 3). Asteraceae is represented by fewer species on Mahwaqa than in the southern Drakensberg, but are better represented on the Mountain than in KwaZulu-Natal as a whole (Table 3). This trend in the data was expected, as Asteraceae is the largest family in KwaZulu-Natal and its highest diversity occurs in the Drakensberg (Hilliard 1978). The family is characterized by speciation in the Grassland Biome, the major habitat on Mahwaqa Mountain. The higher species diversity recorded in the southern Drakensberg (Hilliard & Burtt 1987) probably reflects the recruitment of Cape elements in this region and the Amatolas and Langeberg show similar levels of diversity (Table 4). Within the Asteraceae a number of southern Drakensberg endemics have been recorded from the mountain including *Felicia linearis*, *Helichrysum sessilioides*, *H. vernum*, *Osteospermum attenuatum*, *Othonna burttii*, *Senecio dregeanus*, *S. hirsutilobus* and *Vernonia flanaganii*.

TABLE 1.—Number of families, genera and species of Pteridophyta, Monocotyledonae and Dicotyledonae recorded on Mahwaqa Mountain, KwaZulu-Natal

	Pteridophyta		Monocotyledonae		Dicotyledonae		Total
	No.	%	No.	%	No.	%	
Families	17	12.6	22	16.3	96	71.1	135
Genera	25	5.5	132	29.3	294	65.2	451
Species	45	4.4	322	31.3	663	64.4	1030

TABLE 2.—Synopsis of families which contribute 1% or more of total number of species for Mahwaqa, together with number of genera in each family

Family	Genera		Species	
	No.	% of total	No.	% of total
Asteraceae	46	10.8	168	15.6
Poaceae	51	12.0	91	8.4
Orchidaceae	18	4.2	85	7.9
Fabaceae	19	4.5	55	5.0
Scrophulariaceae	20	4.7	44	3.7
Iridaceae	10	2.3	43	3.7
Asclepiadaceae	10	2.3	33	3.0
Hyacinthaceae	10	2.3	29	2.7
Cyperaceae	12	2.8	26	2.4
Lamiaceae	10	2.2	24	2.1
Rubiaceae	13	2.9	24	2.1
Asphodelaceae	4	0.9	23	2.1
Apiaceae	10	2.2	12	1.2
Geraniaceae	3	0.7	12	1.2
Crassulaceae	2	0.4	12	1.1
Aspleniaceae	1	0.2	12	1.1
Lobeliaceae	3	0.7	11	1.0
Rosaceae	7	1.5	11	1.0
Thymelaeaceae	4	0.9	11	1.0

Poaceae is the second most diverse family in the study area (Tables 2; 3), dominating in terms of biomass, as the mountain falls primarily within the Grassland Biome. Grasses also constitute one of the main contributors to the Natal flora (Hilliard 1978). Gibbs Russell *et al.* (1990) identified a number of endemic Drakensberg grasses, some of which occur on the mountain (*Agrostis barbuligera* var. *barbuligera*, *Cynodon hirsutus*, *Digitaria tricholaenoides*, *Helictotrichon longifolium*, *Merxmuellera stricta*, *Pentstemon exserta*, *P. setifolia*, *Setaria obscura* and *Sporobolus pectinatus*). The family is less speciose to the south and accounts for only 3% of the diversity on the Langeberg, where fynbos dominates (Table 5).

The apparent disparity between Table 2 and 3 with respect to the position of the Fabaceae is the result of the Liliaceae *s.l.* being treated as a single entity in Table 3 and being reduced to its component families in Table 2. This modification allows direct comparison with Hilliard (1978) and Ross (1972) which deal with Liliaceae *s.l.* In Table 2, Fabaceae is fourth on the list of species contributors. Hilliard & Burtt (1987) state that Fabaceae is the

TABLE 3.—The nine largest families and their contribution to the floras of Mahwaqa Mountain, the southern Drakensberg and KwaZulu-Natal (with Scrophulariaceae including Selaginaceae and Liliaceae *s.l.*)

Mahwaqa Mountain			Southern Drakensberg		KwaZulu-Natal	
Family	sp.	%	sp.	%	sp.	%
Asteraceae	168	16.0	285	21.4	577	11.8
Poaceae	91	8.4	108	8.1	370	7.6
Orchidaceae	85	7.9	83	6.2	218	4.5
Liliaceae <i>s.l.</i>	60	5.8	84	6.3	247	5.1
Fabaceae	55	5.1	65	4.9	413	8.4
Scrophulariaceae	44	4.2	79	5.9	177	3.6
Iridaceae	43	3.9	65	4.9	-	-
Asclepiadaceae	33	3.1	44	3.3	234	4.8
Cyperaceae	26	2.3	59	4.4	59	4.4
Euphorbiaceae	-	-	-	-	146	3.0

TABLE 4.—Genera which contribute 10 or more species to the flora of Mahwaqa Mountain (M) in order of numerical importance and in relation to the floras of the southern Drakensberg (SD), Amatola Mountains (A), Langeberg (L), Cape Point (CP), and Umtamvuna Nature Reserve (UNR)

Genus	M	SD	A	L	CP	UNR
<i>Helichrysum</i> (Asteraceae)	39	84	48	15	10	34
<i>Senecio</i> (Asteraceae)	37	72	46	24	19	26
<i>Disa</i> (Orchidaceae)	16	24	13	27	11	10
<i>Kniphofia</i> (Asphodelaceae)	14	14	6	1	1	5
<i>Asclepias</i> (Asclepiadaceae)	12	13	6	0	0	2
<i>Asplenium</i> (Aspleniaceae)	12	7	12	3	1	4
<i>Lotononis</i> (Fabaceae)	12	11	2	2	0	5
<i>Crassula</i> (Crassulaceae)	11	17	13	8	17	12

second most important species contributor to the KwaZulu-Natal flora (Table 3). The lower diversity of this family on the mountain is partly due to absence of tropical tree and shrub species in the elevated grasslands. The disparity is borne out by comparison between Mahwaqa Mountain and Umtamvuna Nature Reserve (Table 5). Four endemics to the southern Drakensberg, *Argyrobolium nigrescens*, *A. sericosemium*, *Indigofera woodii* and *Lotononis virgata*, occur on the mountain.

The Orchidaceae is well represented in mountain floras of the eastern seaboard and is the third most speciose family on Mahwaqa Mountain (85 taxa) and the fourth most in the southern Drakensberg (83 spp.). Only two of the Mahwaqa species are narrow endemics, *Huttonaea oreophila* and *Pterygodium cooperi*. The diversity of orchids on Mahwaqa and in the southern Drakensberg is higher than in any of the compared areas (Tables 3–5).

Liliaceae *s.l.* contributes 5.8% or 60 spp. to the Mahwaqa flora (Table 3), which correlates closely with the family’s importance in the southern Drakensberg (6.3% or 84 spp.) and for the flora of KwaZulu-Natal (247 species or 5.1%). When broken down into component families (*sensu* Dahlgren *et al.* 1985) the Hyacinthaceae is best represented in the southern Drakensberg with 34 species (Hilliard & Burt 1987). This pattern is repeated on Mahwaqa Mountain where 29 species of Hyacinthaceae occur (2.7%). The Asphodelaceae is also well represented on the mountain with 23 species compared with the 19 species listed by Hilliard & Burt (1987) for the southern Drakensberg. In *Kniphofia*, a number of species are outlined as narrow endemics by

Codd (1968) and of these *K. ichopensis*, *K. brachystachya* and *K. fibrosa* occur on Mahwaqa Mountain. The area is also the northern limit of *K. parviflora*.

The Iridaceae contributes a large number of species (43 or 4%) to the Mahwaqa Mountain flora (Table 2). The family has a peak of diversity in the mountains and winter rainfall areas of sub-Saharan Africa (Goldblatt 1983) (Table 4). The Iridaceae is the seventh largest family in the southern Drakensberg (65 or 4.9 %) (Hilliard & Burt 1987) and similar levels of diversity are seen on the Langeberg (5%) (McDonald 1999). Five of the species recorded from Mahwaqa are endemic to the southern Drakensberg, *Moraea hiemalis*, *M. unibracteata*, *M. carnea* (Goldblatt 1986), *Gladiolus parvulus* (Goldblatt & Manning 1998) and *Hesperantha grandiflora* (Hilliard & Burt 1986).

Scrophulariaceae (including Selaginaceae) are important in the southern Drakensberg where they constitute 5.9% of the species (Hilliard & Burt 1987). On Mahwaqa the family is slightly less important, contributing 4.2% or 44 species which is comparable to that for KwaZulu-Natal at 3.6% (Hilliard & Burt 1987). This diversity includes three narrowly distributed species, *Manulea florifera*, *Nemesia silvatica* and *Diascia megathura*.

The Asclepiadaceae, now included under Apocynaceae (Leistner 2000), display similar levels of diversity on Mahwaqa and in the southern Drakensberg (3.1% and 3.4% respectively), but these levels are considerably lower than the diversity in KwaZulu-Natal (Ross 1972). This is probably due to the exclusion of tropical and xerophytic species from the montane habitats. A number of mesic asclepiads appear to have speciated in the Natal Drakensberg and of these *Aspidonepsis flava*, *A. reenensis*, *A. diploglossa* and *Schizoglossum elingue* subsp. *elingue* have been recorded on the Mountain. A comparison with floristic inventories to the south, show that the Asclepiadaceae are insignificant in their contribution to the flora of the Langeberg.

A few other near-endemic species occur in the less diverse families on the mountain. These include: *Peucedanum thodei* (Apiaceae), *Geranium pulchrum* (Geraniaceae), *Gnidia renniana* (Thymelaeaceae), *Gymnosporia uniflora* subsp. nov. (M. Jordaan pers. comm.) (Celestraceae), *Afrotysonia glochidiata* (Boraginaceae),

TABLE 5.—The ten most speciose families on Mahwaqa Mountain and their relative diversity on the Amatola Mountains (Phillipson 1987), Langeberg (McDonald 1999), Cape Point (Taylor 1985) and Umtamvuna Nature Reserve (Abbott *et al.* 2000)

Family	Mahwaqa		Amatolas		Langeberg		Cape Point		Umtamvuna	
	spp.	%	spp.	%	spp.	%	spp.	%	spp.	%
Asteraceae	168	15	204	17	167	14	120	11	149	12
Poaceae	91	8	80	7	41	3	64	6	66	5
Orchidaceae	85	8	53	4	56	5	59	5	42	3
Liliaceae <i>s.l.</i>	60	6	54	4	28	2	44	4	57	4
Fabaceae	55	5	67	6	93	8	70	6	101	8
Scrophulariaceae	44	4	43	4	27	2	24	2	28	2
Iridaceae	43	4	33	3	55	5	78	7	34	3
Asclepiadaceae	33	3	27	2	4		3		31	2
Cyperaceae	26	2	61	5	56	5	74	7	31	2
Total spp. no. (vascular plants)	1080		1215		1228		1091		1332	

Satureja reptans and *Hemizygia cinerea* (Lamiaceae), *Wahlenbergia pallidiflora* (Campanulaceae), *Cyphia natalensis* (Lobeliaceae).

Table 4 shows that eight genera have 10 species or more, with *Senecio* and *Helichrysum* contributing 37 and 39 species respectively.

It is clear from the data above that Mahwaqa Mountain supports a highly diverse flora and is a strong candidate for long-term preservation. The area approaches the Amatola and the Langeberg Mountains in terms of its α -diversity despite being a fraction of the land area. In addition, α -diversity is comparable to that of Umtamvuna Nature Reserve of the Pondoland Centre, which is renowned for its phytodiversity (Van Wyk 1990, 1994). The levels of endemism are considerably lower than those of the Langeberg and the Pondoland Centre although numerous southern Drakensberg endemics occur on the mountain.

One of the most insidious threats to the diversity of indigenous grasslands, is their invasion by opportunist seedlings from timber plantations. This threat is in the form of timber species, such as eucalypts and pines, as well as weeds from these plantations. Changing burning regimes, due to the high risk that fire poses to timber plantations, allow the proliferation of woody species which are intolerant of fire. Pyrophytes, which constitute the bulk of the indigenous vegetation, are rapidly lost from these altered moribund habitats. The ubiquitous and irresponsible degradation of grasslands in KwaZulu-Natal is a serious indictment on agroforestry in the province. Hopefully the vegetation of Mahwaqa Mountain will not succumb to the invasion of weeds and opportunist seedlings from the surrounding plantations.

SYSTEMATIC LIST

The angiosperm nomenclature is arranged according to Arnold & De Wet (1993), Leistner (2000), and species are arranged alphabetically within each genus. The nomenclature of Asparagaceae follows Fellingham & Meyer (1995). Synonyms in italics in brackets follow unpublished PRECIS lists.

Putative hybrids and subspecific taxa are excluded from the above tables but are included in the checklist. Most of the cited vouchers are housed in the Natal University Herbarium (NU), Pietermaritzburg and at the National Herbarium, Pretoria (PRE). Voucher slides of the bryophytes are housed at NU.

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REFERENCES

- ABBOTT, A., VAN WYK, A.E., JOHNSON, D.N. & SCOTT-SHAW, R. 2000. Checklist of the macrofungi, lichens, bryophytes and vascular plants of the Umtamvuna Nature Reserve. *Lammergeyer* 46: 1–69.
- ACOCKS, J.P.H. 1988. Veld types of South Africa, edn 3. *Memoirs of the Botanical Survey of South Africa* No. 57.
- ADAMSON, R.S. & SALTER, T.M. 1950. *Flora of the Cape Peninsula*. Juta, Cape Town.
- ARNOLD, T.H. & DE WET, B.C. (eds). 1993. Plants of southern Africa: names and distribution. *Memoirs of the Botanical Survey of South Africa* No. 62.
- CODD, L.E. 1968. The South African species of *Kniphofia*. *Bothalia* 9.
- COWLING, R.M. & HILTON-TAYLOR, C. 1997. Phytogeography, flora and endemism. In R.M. Cowling, D.M. Richardson & S.M. Pierce, *Vegetation of southern Africa*. Cambridge University Press, Cambridge.
- DAHLGREN, R.M.T., CLIFFORD, H.T. & YEO, P.F. 1985. *The families of the monocotyledons: structure, evolution, and taxonomy*. Springer-Verlag, Berlin.
- DEALL, G.B. & BACKER, A.P. 1989. The vegetation ecology of the Eastern Transvaal Escarpment in the Sabie area. 3. Annotated checklist. *Bothalia* 19: 91–110.
- DE DALLA TORRE, C.G. & HARMS, H. 1907. *Genera Siphonogamarum ad systema Englerianum conscripta*. Engelmann, Lipsiae.
- FELLINGHAM, A.C. & MEYER, N.L. 1995. New combinations and a complete list of *Asparagus* species in southern Africa (Asparagaceae). *Bothalia* 25: 205–209.
- GIBBS RUSSELL, G.E., WATSON, L., KOEKEMOER, M., SMOOK, L., BARKER, N.P., ANDERSON, H.M. & DALLWITZ, M.J. 1990. Grasses of southern Africa. *Memoirs of the Botanical Survey of South Africa* No. 58.
- GOLDBLATT, P. 1983. Geography of Iridaceae in Africa. *Bothalia* 14: 559–564.
- GOLDBLATT, P. 1986. The moraeas of southern Africa. *Annals of the Kirstenbosch Botanic Gardens* 14.
- GOLDBLATT, P. & MANNING, J.C. 1998. *Gladiolus in southern Africa*. Fernwood Press, Vlaeberg.
- HILLIARD, O.M. 1978. The geographical distribution of Compositae native to Natal. *Notes from the Royal Botanic Garden, Edinburgh* 36: 407–425.
- HILLIARD, O.M. & BURTT, B.L. 1986. Notes on some plants of southern Africa chiefly from Natal: XII. *Notes from the Royal Botanic Garden, Edinburgh* 43: 189–228.
- HILLIARD, O.M. & BURTT, B.L. 1987. The botany of the Natal Drakensberg. *Annals of Kirstenbosch Botanic Gardens* 15.
- LEISTNER, O.A. (ed.). 2000. Seed plants of southern Africa: families and genera. *Strelitzia* 10. National Botanical Institute, Pretoria.
- MCDONALD, D.J. 1999. Montane flora of the southern Langeberg, South Africa: a checklist of the flowering plants and ferns. *Bothalia* 29: 119–137.
- PEROLD, S.M. 1999. Hepatophyta. Part 1: Marchantiopsida, fasc. 1: Marchantiidae. *Flora of southern Africa*. National Botanical Institute, Pretoria.
- PHILIPS, J. 1973. *The agricultural and related development of the Tugela Basin and its influent surrounds*. Natal Town and Regional Planning Commission, Pietermaritzburg.
- PHILLIPSON, P.B. 1987. A checklist of vascular plants of the Amatole Mountains, eastern Cape Province/Ciskei. *Bothalia* 17: 237–256.
- ROSS, J.M. 1972. Flora of Natal. *Memoirs of the Botanical Survey of South Africa* No. 39.
- RUTHERFORD, M.C. & WESTFALL, R.H. 1994. Biomes of southern Africa: an objective categorization. *Memoirs of the Botanical Survey of South Africa* No. 54.
- SCHULZE, R.E. 1982. *Agrohydrology and climatology of Natal*. Agricultural Catchments Research Unit, Report No. 14.
- SCOTT-SHAW, C.R., BORQUIN, O. & PORTER, R.N. 1996. Conservation of Acocks' Veld Types in South Africa. *Lammergeyer* 44: 50–64.
- TAKHTAJAN, A. 1986. *Floristic regions of the world*. University of California Press, Berkeley.
- TAYLOR, H.C. 1985. An analysis of the flowering plants and ferns of the Cape of Good Hope Nature Reserve. *South African Journal of Botany* 51: 1–13.
- VAN OUDTSHOORN, F. 1992. *Guide to grasses of South Africa*. Briza Publications, Pretoria.
- VAN WYK, A.E. 1990. The sandstone regions of Natal and Pondoland: remarkable centres of endemism. *Palaeoecology of Africa* 21: 243–257.

VAN WYK, A.E. 1994. Maputaland-Pondoland Region. In S.D. Davis, V.H. Heywood & A.C. Hamilton. *Centres of plant diversity: A guide and strategy for their conservation*, vol. 1: 227–235. IUCN Publications Unit, Cambridge.

VAN WYK, B-E., VAN WYK, C.M. & NOVELLIE, P.A. 1988. Flora of the Zuurberg National Park. 2. An annotated checklist of ferns and seed plants. *Bothalia* 18: 221–232.

WESTFALL, R.H., VAN ROOYEN, N. & THERON, G.K. 1986. The plant ecology of the farm Groothoek, Thabazimbi District. III. An annotated checklist. *Bothalia* 16: 77–82.

CHECKLIST

* Naturalized weeds. Italicized names in square brackets are synonyms in PRECIS.

HEPATOPHYTA

- RICCIACEAE
- Riccia stricta* (Lindenb.) Perold
- MARCHANTACEAE
- Marchantia* cf. *polymorpha* L.
- AYTONIACEAE
- Asterella* sp.
- Plagiochasma* sp.
- PLAGIOCHILACEAE
- Plagiochila* sp.
- LOPHOCOLEACEAE
- Lophocolea* sp.

ANTHOCEROTOPHYTA

- ANTHOCEROTACEAE
- Anthoceros* sp.

BRYOPHYTA

- FISSIDENTACEAE
- Fissidens glaucescens* Hornsch.
- DITRICHACEAE
- Ditrichum brachypodum* (Müll.Hal.) Broth.
- DICRANACEAE
- Campylopus pilifer* Brid.
- POTTIACEAE
- Barbula crinita* Schultz
- Trichostomum brachydontium* Bruch
- Bryoerythrophyllum jamesonii* (Taylor) H.A.Crum
- FUNARIACEAE
- Funaria hygrometrica* Hedw.
- BRYACEAE
- Anomobryum filiforme* (Dicks.) Husn.
- Bryum*
- alpinum* Huds. ex With.
 - pseudotriquetrum* (Hedw.) P.Gaertn., B.Mey. & Scherb.
 - pycnophyllum* (Dixon) Mohamed
- Mielichhoferia*
- bryoides* (Harv.) Wijk & Margad.
 - subnuda* Sim
- Rhodobryum roseum* (Hedw.) Limpr.
- MNIACEAE
- Plagiomnium rhynchophorum* (Hook.) T.J.Kop.
- BARTRAMIACEAE
- Bartramia hampeana* Müll.Hal.
- Philonotis*
- africana* (Müll.Hal.) Rehmman ex Paris.
 - dregeana* (Müll.Hal.) A.Jaeger
 - falcata* (Hook.) Mitt.
- ORTHOTRICHACEAE
- Macrocoma tenuis* (Hook. & Grev.) Vitt
- LESKEACEAE
- Pseudoleskeopsis* sp.
- THUIDIACEAE
- Haplocladium* sp.
- Thuidium* sp.
- HYPNACEAE
- Hypnum cupressiforme* Hedw.
- POLYTRICHACEAE
- Atrichum androgynum* (Müll.Hal.) A.Jaeger
- POLYSTICHACEAE
- Oligotrichum* cf. *afrolaevigatum* (Dixon) G.L.Sm.

PTERIDOPHYTA

- LYCOPODIACEAE
- Lycopodium*
- clavatum* L., Rennie 630 NU
 - verticillatum* L.f., Feltham 166 NU
- SELAGINELLACEAE
- Selaginella*
- kraussiana* (Kunze) A.Braun ex Kuhn, Edwards 2203 NU
 - mittenii* Baker, Rennie 515 NU
- EQUISETACEAE
- Equisetum ramosissimum* Desf., Rennie 1752 NU
- OPHIOGLOSSACEAE
- Ophioglossum vulgatum* L., Rennie 1766 NU
- ANEMIACEAE
- Mohria caffrorum* (L.) Desv., Rennie 917 NU
- GLEICHENIACEAE
- Gleichenia umbraculifera* (Kunze) T.Moore, Rennie 670 NU
- CYATHEACEAE
- Cyathea dregei* Kunze, Rennie s.n. NU
- PTERIDACEAE
- Adiantum poiretii* Wikstr., Edwards 1982 NU
- Cheilanthes*
- eckloniana* (Kunze) Mett., Rennie 1926 NU
 - hirta* Sw., Rennie 577 NU
 - quadripinnata* (Forssk.) Kuhn, Rennie 587, 904 NU
- Pellaea*
- calomelanos* (Sw.) Link, Rennie 876 NU
 - pteroides* (L.) Prantl, Rennie 904 NU
- Pteris*
- catoptera* Kunze, Clarkson s.n. NU
 - cretica* L., Vos 68 NU
- POLYPODIACEAE
- Loxogramme lanceolata* (Sw.) C.Presl, Clarkson s.n. NU
- Pleopeltis macrocarpa* (Bory ex Willd.) Kaulf., Feltham 266 NU
- Lepisorus schraderi* (Mett.) Ching, Rennie 514 NU
- Polypodium*
- polypodioides* (L.) Hitchc. subsp. *ecklonii* (Kunze) Schelpe, Clarkson s.n. NU
 - vulgare* L., Rennie 895 NU
- *NEPHROLEPIDACEAE
- **Nephrolepis undulata* (Sw.) J.Sm., Rennie 895 PRE
- ASPLENIACEAE
- Asplenium*
- adiantum-nigrum* L., McBean s.n. NU
 - aethiopicum* (Burm.f.) Bech., Rennie 916 NU
 - boltonii* Hook. ex Schelpe, Clarkson s.n. NU
 - erectum* Bory ex Willd., Edwards 2027 NU
 - lobatum* Pappe & Rawson, Clarkson s.n. NU
 - monanthes* L., Feltham 300 NU
 - protensum* Schrad., Clarkson s.n. NU
 - rutifolium* (P.J.Bergius) Kunze, Shuter s.n. NU
 - splendens* Kunze, Feltham 279 NU
 - stoloniferum* Bory, Feltham 293 NU
 - theciferum* (Kunth) Mett. var. *concinnum* (Schrad.) Schelpe, Clarkson s.n. NU
 - varians* Hook. & Grev. subsp. *fimbriatum* (Kunze) Schelpe, Clarkson s.n. NU
- THELYPTERIDACEAE
- Thelypteris pozoi* (Lag.) C.V.Morton, Clarkson 194 NU
- ATHYRIACEAE
- Athyrium schimperii* Moug. ex Fée, Clarkson s.n. NU
- DRYOPTERIDACEAE
- Cystopteris fragilis* (L.) Bernh., Clarkson s.n. NU

Dryopteris

- athamantica (Kunze) Kuntze, Rennie 1311 NU
 inaequalis (Schltdl.) Kuntze, Edwards 2210 NU

Polystichum

- luctuosum (Kunze) Moore, Rennie 546; Edwards 1943 NU
 pungens (Kaulf.) C.Presl, Edwards 1942 NU
 transvaalense N.C.Anthony, Rennie 1441 NU

LOMARIOPSIDACEAE

Elaphoglossum

- acrostichoides (Hook. & Grev.) Schelpe, Rennie 1512 NU, PRE
 drakensbergense Schelpe, Feltham 179 NU

ASPIDIACEAE

- Cyrtomium caryotideum (Hook. & Grev.) C.Presl var. micropterum
 (Kunze) C.Chr., Feltham 270 NU

- Woodsia montevidensis (Spreng.) Hieron. var. burgessiana (Gerrard ex
 Hook. & Baker) Schelpe, Rennie 1685 NU

BLECHNACEAE

Blechnum

- attenuatum (Sw.) Mett. var. giganteum (Kaulf.) Bonap., Clarkson
 s.n. NU
 inflexum (Kunze) Kuhn, Feltham 296 NU

GYMNOSPERMAE

PODOCARPACEAE

Podocarpus

- falcatus (Thunb.) R.Br. ex Mirb., Feltham 222 NU
 henkelii Stapf ex Dallim. & Jacks., Rennie 1067 NU
 latifolius (Thunb.) R.Br. ex Mirb., Feltham 227 NU

ANGIOSPERMAE-MONOCOTYLEDONAE

TYPHACEAE

- Typha capensis (Rohrb.) N.E.Br., Rennie 2529 NU

APONOGETONACEAE

- Aponogeton juncus Lehm. ex Schltdl., Rennie 240 NU

POACEAE

- Hemarthria altissima (Poir.) Stapf & C.E.Hubb., Rennie 1760 PRE

- Elionurus muticus (Spreng.) Kunth, Rennie 946 NU

- Imperata cylindrica (L.) Raeusch., Rennie 1533 PRE

- Microstegium nudum (Trin.) A.Camus, Feltham 288 NU

- Miscanthus capensis (Nees) Anderss., Rennie 1557 PRE

- Eulalia villosa (Thunb.) Nees, Rennie 1539 PRE

Andropogon

- amethystinus Steud., Rennie 1359 NU
 appendiculatus Nees, Feltham 15a NU
 eucomus Nees, Rennie 1771 NU

Cymbopogon

- plurinodis (Stapf) Stapf ex Burt Davy, Feltham 67 NU
 validus (Stapf) Stapf ex Burt Davy, Rennie 1586 PRE

Hyparrhenia

- dregeana (Nees) Stapf, Rennie 1757 PRE
 hirta (L.) Stapf, Rennie 1751 PRE

- Monocymbium cerasiiforme (Nees) Stapf, Rennie 1645 PRE

- Trachypogon spicatus (L.f.) Kuntze, Rennie 1656 NU, PRE

- Heteropogon contortus (L.) Roem. & Schult., Feltham 22 NU

Diheteropogon

- amplectens (Nees) Clayton, Rennie 1599 NU
 filifolius (Nees) Clayton, Rennie 1547 PRE

- Themeda triandra Forssk., Rennie 1552 PRE

- Digitaria tricholaenoides Stapf, Rennie 1531 PRE

- Alloteropsis semialata (R.Br.) Hitchc. subsp. eckloniana (Nees) Gibbs-
 Russ., Rennie 1530 PRE

- Bracharia serrata (Thunb.) Stapf, Rennie 1532 PRE

- Echinochloa crus-galli (L.) P.Beauv., Rennie 1683 NU

- Oplismenus hirtellus (L.) P.Beauv., Edwards 1963 NU

Panicum

- aequinerve Nees, Edwards 2009 NU
 ecklonii Nees, Feltham 172 NU
 natalense Hochst., Rennie 1518 PRE; Carbutt 453 NU
 schinzii Hack., Rennie 1627 PRE
 subalbidum Kunth, Rennie 1434 NU

Setaria

- incrassata (Hochst.) Hack., Rennie 1344 NU
 nigrirostris (Nees) T.Durand & Schinz, Rennie 1551 PRE
 obscura de Wit, Rennie 1358 NU
 pallide-fusca (Schumach.) Stapf & C.E.Hubb., Rennie 1626 PRE

Melinis

- nerviglumis (Franch.) Zizka, Carbutt 430 NU
 repens (Willd.) Zizka subsp. repens, Rennie 1380 NU

Pennisetum

- sphacelatum (Nees) T.Durand & Schinz, Carbutt 448 NU
 thunbergii Kunth, Rennie 1537 PRE

- Leersia hexandra Sw., Rennie 1763 PRE

- Ehrharta erecta Lam. var. natalensis Stapf, Rennie 1555 PRE

- *Phalaris arundinacea L., Rennie 1701 PRE

- Anthoxanthum ecklonii (Nees ex Trin.) Stapf, Rennie 1740 PRE;
 Carbutt 451 NU

- Tristachya leucothrix Nees, Rennie 1543 PRE

Loudetia

- simplex (Nees) C.E.Hubb., Rennie 1774 PRE
 sp., Rennie 1545 PRE

- *Holcus lanatus L., Feltham 220 NU

Helictotrichon

- galpinii Schweick., Rennie 1391 NU
 longifolium (Nees) Schweick., Rennie 1553 PRE
 turgidulum (Stapf) Schweick., Feltham 285 NU
 sp., Rennie 1520, 1534 PRE

- Merxmüllera stricta (Schrud.) Conert, Rennie 1548 PRE

Pentstemon

- exserta H.P.Linder, Rennie 1568 NU
 natalensis Stapf, Rennie 1648 NU, PRE
 oreodoxa Schweick., Rennie 1568 PRE
 setifolia (Thunb.) McClean, Rennie 1522 NU, PRE
 tysonii Stapf, Carbutt 449 NU

- Phragmites australis (Cav.) Steud., Rennie 1430 NU

Agrostis

- barbuligera Stapf var. barbuligera, Rennie 1738 PRE
 bergiana Trin. var. bergiana, Feltham 314 NU
 continuata Stapf, Rennie 1567 NU, PRE
 lachnantha Nees var. lachnantha, Rennie 1566 PRE

- Aristida junciformis Trin. & Rupr.

- subsp. galpinii (Stapf) De Winter, Rennie 1544 PRE
 subsp. junciformis, Rennie 1431 NU

- Stipa dregeana Steud., Edwards 2033 NU

Sporobolus

- africanus (Poir.) Robyns & Tournay, Rennie 1628 NU, PRE
 centrifugus (Trin.) Nees,
 macranthelus Chiov.,
 pectinatus Hack., Rennie 1403 NU, 1546 PRE
 pyramidalis P.Beauv., Feltham 10 NU

Eragrostis

- caesia Stapf, Feltham 414 NU
 capensis (Thunb.) Trin., Rennie 1540 PRE
 curvula (Schrud.) Nees, Rennie 1392a NU; Vorster 228 PRE
 plana Nees, Rennie 1772 PRE
 planiculmis Nees, Rennie 1629 NU
 racemosa (Thunb.) Steud., Rennie 1418 NU, 1529 PRE

- Rendlia altera (Rendle) Chiov., Feltham 16 NU

- Microchloa caffra Nees., Edwards 2227 NU

- Cynodon hirsutus Stent, Rennie 1406 NU, 1753 PRE

- Harpochloa falx (L.f.) Kuntze, Rennie 941 NU, 1550 PRE

- Eleusine coracana (L.) Gaertn. subsp. africana (Kenn.-O'Byrne) Hilu
 & De Wet, Rennie 1756 PRE

- Styppeochloa gynoglossa (Gooss.) De Winter, Feltham 9 NU

- Koeleria capensis (Steud.) Nees, Rennie 1523 PRE

- *Dactylis glomerata (L.) Gaertn. subsp. africana (Kenn.-O'Byrne) Hilu

- Stiburus alopecuroides (Hack.) Stapf, Feltham 415 NU

- Poa binata Nees, Rennie 606 NU

Festuca

- caprina Nees, Feltham 70 NU
 costata Nees, Feltham 69 NU
 scabra Vahl, Rennie 1524 NU, PRE

- *Vulpia myuros (L.) C.C.Gmel., Rennie 1389 NU

Bromus

- *catharticus Vahl, Rennie 1345 NU, 1536 PRE
 leptoclados Nees, Rennie 1561
 speciosus Nees, A., Rennie's list

- Brachypodium flexum Nees, Rennie 1765 NU, PRE

CYPERACEAE

- Ascolepis capensis (Kunth) Ridl., Rennie 1697 PRE

Cyperus

- albostratus Schrad., Edwards 1983 NU
 esculentus L., Rennie 1700 PRE
 fastigiatus Rothb., Rennie 1342 PRE
 obtusiflorus Vahl var. sphaerocephalus (Vahl) Kuk., Feltham 118 NU

Cyperus (cont.)

- rupestris Kunth var. rupestris, Edwards 2060 NU
semitrifidus Schrad. var. semitridus, Feltham 44 NU

Pycneus

- betschuanus (Boeck.) C.B. Clarke, Rennie 1690 PRE
flavescens (L.) Rchb., Feltham 190 NU
oakfortensis C.B. Clarke, Rennie 1413 NU

Mariscus

- congestus (Vahl) C.B. Clarke, Rennie 1037 NU
solidus (Kunth.) Vorster, Edwards 2202 NU

Ficinia stolonifera Boeck., Rennie s.n.

Fuirena pubescens (Poir.) Kunth, Rennie 1277 NU, 1554 PRE

Scirpus falsus C.B. Clarke, Feltham 180 NU

Isolopis

- costata A. Rich. var. macra (Boeck.) B.L. Burtt, Rennie s.n.
fluitans (L.) R.Br., Rennie 1353 NU

Bulbostylis

- humilis (Kunth) C.B. Clarke, Feltham 343 NU
oritrepes (Ridl.) C.B. Clarke, Rennie 1535 PRE
scleropus C.B. Clarke, Rennie s.n. NU

Rhynchospora brownii Roem. & Schult., Rennie s.n.

Schoenoxiphium

- rufum Nees, Rennie 1029 NU
schweickerdtii Merxm. & Podlech, Rennie 1646 NU, PRE

Carex

- acutiformis Ehrh., Rennie 1145 NU
mossii Nemes, Edwards 2228 NU

ARACEAE

Zantedeschia

- aethiopica (L.) Spreng., Rennie 1020 NU
albomaculata (Hook.) Baill., Rennie 1001 NU

XYRIDACEAE

Xyris

- capensis Thunb., Feltham 148 NU
gerrardii N.E. Br., Feltham 239 NU

ERIOCAULACEAE

Eriocaulon dregei Hochst. var. sonderianum (Koern.) Oberm., Rennie 1350 NU

COMMELINACEAE

- Commelina africana L., Feltham 198 NU
Cyanotis speciosa (L.f.) Hassk., Rennie 625 NU

JUNCACEAE

Juncus

- effusus L., Rennie 1041 NU
exsertus Buchen., Feltham 334 NU
oxycarpus E. Mey. ex Kunth, Rennie 1354 NU, 1693 PRE

COLCHICACEAE

- Sandersonia aurantiaca Hook., Feltham 86 NU
Androcymbium longipes Baker, Rennie 2524 NU

Wurmbea

- angustifolia B. Nord., Feltham 48 NU
elator B. Nord., Rennie 1241 NU

Littonia modesta Hook., Feltham 79 NU

ASPHODELACEAE

Bulbine

- capitata Poelln., Rennie 1195 NU
favosa (Thunb.) Schult. & Schult.f., Rennie 870 NU
filifolia Baker, Rennie 498 E, NU

Trachyantra

- asperata Kunth, Rennie 455 NU
gerrardii (Baker) Oberm., Rennie 456 NU
saltii (Baker) Oberm., Rennie 608 NU

Kniphofia

- baurii Baker, Rennie 732 NU
brachystachya (Zahlbr.) Codd, Rennie 486 NU
fibrosa Baker, Rennie 1316 NU, 1635 PRE
fluviatilis Codd, Rennie 1862 NU
galpinii Baker, Rennie 1392 NU
gracilis Harv. ex Baker, Edwards 1051 NU
ichopensis Baker ex Schinz, Rennie 675 NU
laxiflora Kunth, W. Marais 829 PRE
northiae Baker, Rennie 786 NU
parviflora Kunth, Rennie 1044 NU; Edwards 2190 NU
porphyrantha Baker, Rennie 686 NU
triangularis Kunth subsp. triangularis, W. Marais 830 PRE
sp., Rennie 1632a, 1634 PRE

Aloe

- ecklonis Salm-Dyck, Rennie 214 NU
ferox Mill., Rennie 396 NU
maculata All., Rennie 404 NU

ANTHERICACEAE

Chlorophytum

- acutum (C.H. Wright) Nordal, Feltham 206 NU; Rennie 1734 PRE
[Anthericum acutum]
comosum (Thunb.) Jacq., Rennie 1122 NU
cooperi (Baker) Nordal, Rennie 787 NU [Anthericum cooperi]
krookianum Zahlbr., Edwards 2052 NU

HYACINTHACEAE

Bowiea volubilis Harv. ex Hook.f., Rennie 736; Edwards 1934 NU

Albucca

- fastigiata (L.f.) Dryand., Rennie 533 NU
humilis Baker, Rennie 276 NU
polyphylla Baker, Rennie 1305 NU
rupestris Hilliard & B.L. Burtt, Rennie 225 NU
setosa Jacq., Rennie 1373 NU
xanthocodon Hilliard & B.L. Burtt, Rennie 35 NU

Urginea

- calcarata (Baker) Hilliard & B.L. Burtt, Rennie 598 NU
capitata (Hook.) Baker, Rennie 45 NU
macrocentra Baker, Rennie 1291 NU
multisetosa Baker, Rennie 137 NU
tenella Baker, Rennie 1882 NU

Drimia

- robusta Baker, Rennie 44 NU
sphaerocephala Baker, Rennie 1192 NU

Dipcadi

- gracillimum Baker, Rennie 243 NU
viride (L.) Moench, Feltham 199 NU

Scilla

- natalensis Planch., Rennie 142 NU
nervosa (Burch.) Jessop, Rennie 253 NU

Ledebouria

- cooperi (Hook.f.) Jessop, Rennie 80 NU
ovatifolia (Baker) Jessop, Rennie 78 NU

Eucomis

- autumnalis (Mill.) Chitt. subsp. clavata (Baker) Reyneke, Rennie 810 NU
bicolor Baker, Rennie 742 NU
comosa (Houtt.) Wehrh. var. comosa, Rennie 809 NU
montana Compton, Rennie s.n. NU

Ornithogalum

- graminifolium Thunb., Medley Wood 4567 PRE
juncifolium Jacq., Feltham 182a NU
paludosum Baker, Rennie 1102 NU
sp. cf. graminifolium Thunb., Feltham 177 NU

Drimiopsis lachenalioides (Baker) Jessop, Rennie 234 NU

ERIOSPERMACEAE

Eriospermum

- natalense Baker, Rennie 1289 NU
ornithogaloide Baker, Feltham 182 NU
sprengerianum Schinz, Rennie 1289 NU

AGAPANTHACEAE

Agapanthus campanulatus Leighton, Feltham 407 NU

ALLIACEAE

Tulbaghia

- acutiloba Harv., Rennie 781 NU
leucantha Baker, Feltham 187 NU
ludwigiana Harv., Rennie 842 NU

ASPARAGACEAE

Asparagus

- africanus Lam., Rennie 595 NU [Protasparagus africanus (Lam.) Oberm.]
virgatus Baker, Feltham 355 NU [Protasparagus virgatus (Baker) Oberm.]
ramosissimum Baker, Rennie 716 NU [Myrsiphyllum ramosissimum (Baker) Oberm.]

LUZURIAGACEAE

Behnia reticulata (Thunb.) Didr., Feltham 234 NU

AMARYLLIDACEAE

Haemanthus humilis Jacq. subsp. hirsutus (Baker) Snijman, Rennie 618 NU

Scadoxus puniceus (L.) Friis & Nordal, Rennie 839 NU

Nerine appendiculata Baker, *Feltham* 406 NU

Brunsvigia

grandiflora Lindl., *Rennie* 925 NU

natalensis Baker, *Rennie* 808 NU

undulata F.M.Leight., *Rennie* 1123 NU

Apodolirion buchananii Baker, *Rennie* 2551 NU

Cyrtanthus

breviflorus Harv., *Rennie* 600 NU

tuckii Baker, *Rennie* 597 NU

HYPOXIDACEAE

Empodium monophyllum (Nel) B.L.Burt, *Rennie* 79 NU

Hypoxis

filiformis Baker, *Feltham* 169 NU

galpinii Baker, *Edwards* 2027 NU

gerrardii Baker, *Rennie* 91 NU

hemerocallidea Fisch. & C.A.Mey., *Rennie* 1860 NU

iridifolia Baker, *Rennie* 610 NU

lata Nel, *Rennie* 1841 NU

parvula Baker var. *parvula*, *Feltham* 140 NU

Rhodohypoxis

baurii (Baker) Nel

var. *platypetala* (Baker) Nel, *Rennie* 73 NU

var. *platypetala* × *R. milloides* (putative hybrid), *Rennie* 70 NU

milloides (Baker) Hilliard & B.L.Burt, *Rennie* 236 NU

VELLOZIACEAE

Xerophyta viscosa Baker, *Rennie* 451 NU

DIOSCOREACEAE

Dioscorea

dregeana (Kunth) T.Durand & Schinz, *Edwards* 1955 NU

rupicola Kunth, *Rennie* 2526 NU

tysonii Baker, *Rennie* 1585 NU

IRIDACEAE

Moraea

brevistyla (Goldblatt) Goldblatt, *Rennie* 1590 NU

carnea Goldblatt, *Rennie* 1499 NU

hiemalis Goldblatt, *Rennie* 572 NU

huttonii (Baker) Oberm., *Rennie* 836 NU

inclinata Goldblatt, *Rennie* 893 NU

modesta Killick, *Rennie* 769 NU

spathulata (L.f.) Klatt, *Rennie* 1859 NU

stricta Baker, *Rennie* 749 NU

trifida R.C.Foster, *Rennie* 1248 NU

unibracteata Goldblatt, *Rennie* 1348 NU

Dietes iridioides (L.) Sweet ex Klatt, *Edwards* 2056 NU

Aristea

cognata N.E.Br. ex Weim., *Feltham* 49 NU

woodii N.E.Br., *Feltham* 420 NU

Hesperantha

baurii Baker, *Edwards* 1999 NU

glareosa Hilliard & B.L.Burt, *Rennie* 1215 NU

grandiflora G.J.Lewis, *Rennie* 567 NU

hygrophila Hilliard & B.L.Burt, *Rennie* 731 NU

tysonii Baker, *Rennie* 409 NU

vernalis Hilliard & B.L.Burt, *Rennie* 751 NU

Dierama

argyreum L.Bolus, *Rennie* 433 NU

dissimile Hilliard, *Rennie* 1251 NU

dracomontanum Hilliard, *Rennie* 1152 NU

galpinii N.E.Br., *Rennie* 847 NU

latifolium N.E.Br., *Rennie* 971 NU

pauciflorum N.E.Br., *Feltham* 23 NU

trichorhizum (Baker) N.E.Br., *Rennie* 1146 NU

Tritonia lineata (Salisb.) Ker Gawl., *Rennie* 47 NU

Crocsmia

aurea (Pappe ex Hook.) Planch., *Feltham* 405 NU

paniculata (Klatt) Goldblatt, *Rennie* 530 NU

pottsii (MacNab ex Baker) N.E.Br., *Rennie* 532 NU

Gladiolus

crassifolius Baker, *Rennie* 346 NU

dalenii Van Geel, *Edwards* 2057 NU

ecklonii Lehm., *Rennie* 260 NU

longicollis Baker, *Rennie* 710 NU

oppositiflorus Herb. *Rennie* 531 NU [*G. oppositiflorus* Herb. subsp.

salmonaeus (Baker) Oberm.]

papilio Hook.f., *Rennie* 264 NU

parvulus Schltr., *Rennie* 1158 NU

pubigerus G.J.Lewis, *Rennie* 1252 NU

pugioniformis Hilliard & B.L.Burt, *Rennie* 773 NU

sericiovillosus Hook.f., *Edwards* 2014 NU

Watsonia

densiflora Baker, *Rennie* 1989 NU

lepidia N.E.Br., *Rennie* 1151 NU

Freesia laxa (Thunb.) Goldblatt & J.C.Manning [*Anomatheca laxa* (Thunb.) Goldblatt]

ORCHIDACEAE

Stenoglottis fimbriata Lindl., *Edwards* 2053 NU

Holothrix scopularia (Lindl.) Rchb.f., *Rennie* 148 NU

Huttonaea

grandiflora (Schltr.) Rolfe, *Rennie* 1136 NU

oreophila Schltr., *Rennie* 1010 NU

pulchra Harv., *Rennie* 796 NU

Habenaria

ciliata Lindl., *Rennie* 2502 NU

dives Rchb.f., *Feltham* 117 NU

dregeana Lindl., O'Connor s.n. NU

epipactidea Rchb. f., *Rennie* 903 NU

laevigata Lindl., *Rennie* 634 NU

lithophila Schltr., *Rennie* 746 NU

pseudociliata Schelpe ex J.C.Manning, O'Connor s.n. NU

schimperiana Hochst. ex A.Rich., *Rennie* 799 NU

tysonii Bolus, *Rennie* 1303 NU

Bonatea bracteata G.J.McDonald & McMurtry, *Rennie* 1301 NU [*B. densiflora* Sond.]

Brachycorythis ovata Lindl., *Rennie* 521 NU

Satyrium

bracteatum (L.f.) Thunb., *Rennie* 1285 NU

cristatum Sond.

var. *cristatum* Sond., *Feltham* 108 NU

var. *longilabiatum* A.V.Hall, *Edwards* 2032 NU

hallackii Bolus subsp. *ocellatum* (Bolus) A.V.Hall, *Rennie* 1084 NU

ligulatum Lindl., *Rennie* 314 NU

longicauda Lindl., *Feltham* 99 NU

macrophyllum Lindl., *Rennie* 371 NU

neglectum Schltr., *Rennie* 1298 NU

parviflorum Sw., *Rennie* 280 NU

Schizochilus

angustifolius Rolfe, *Feltham* 109 NU

flexuosus Harv. ex Rolfe, W. Marais 1454 PRE

zeyheri Sond., *Rennie* 730 NU

Brownleea

galpinii Bolus

subsp. *galpinii*, *Rennie* 348 NU

subsp. *major* (Bolus) H.P.Linder, *Rennie* 820 NU

parviflora Harv. ex Lindl., *Rennie* 1341 NU

Disa

aconitoides Sond., *Rennie* 244 NU

brevicornis (Lindl.) Bolus, *Rennie* 1087 NU

cephalotes Rchb. f., *Rennie* 1304 NU

chrysostachya Sw., *Rennie* 725 NU

cooperi Rchb.f., *Feltham* 115 NU

crassicornis Lindl., *Rennie* 1711 NU

fragrans Schltr., McClean 229 PRE

oreophila Bolus, *Edwards* 2004 NU

patula Sond. var. *transvaalensis* Summerh., *Rennie* 1834 NU

pulchra Sond., *Rennie* 296 NU

rhodantha Schltr., *Rennie* 1191 NU

scullyi Bolus, *Rennie* 1684 NU

stachyoides Rchb.f., *Feltham* 110 NU

stricta Sond., *Rennie* 1370 NU

thodei Schltr. ex Kraenzl., *Rennie* 1190 NU

versicolor Rchb.f., *Rennie* 901 NU

Disperis

cardiophora Harv., *Rennie* 1197 NU

concinna Schltr., *Rennie* 729

cooperi Harv., A. Rennie's list

fanniniae Harv., *Rennie* 537 NU

lindleyana Rchb.f., *Rennie* 1768 NU

renibracteata Schltr., *Feltham* 101 NU

stenoplectron Rchb.f., *Feltham* 200 NU

tysonii Bolus, *Rennie* 831 NU

wealii Rchb.f., *Rennie* 729 NU

Pterygodium

cooperi Rolfe, *Edwards* 1995 NU

leucanthum Bolus, *Rennie* 888 NU

magnum Rchb.f., *Rennie* 798 NU

Corycium
 dracomontanum *Parkman & Schelpe*,
nigrescens *Sond.*, Rennie 295 NU
Liparis bowkeri *Harv., Edwards 1931* NU
Polystachya ottoniana *Rchb.f., Edwards 2023* NU
Eulophia
aculeata (*L.f.*) *Spreng.* subsp. *huttonii* (*Rolfe*) *A.V.Hall*, Rennie 229 NU
calanthoides *Schltr.*, Rennie 642 NU
clavicornis *Lindl.*
 var. *clavicornis*, Rennie 77 NU
 var. *inaequalis* (*Schltr.*) *A.V.Hall*, Rennie 1727 NU
 var. *nutans* (*Sond.*) *A.V.Hall*, Rennie 622 NU
foliosa (*Lindl.*) *Bolus*, Rennie 273 NU
leontoglossa *Rchb.f., Feltham 111* NU
ovalis *Lindl.*, Rennie 1240 NU
tenella *Rchb.f.*, Rennie 174 NU
zeyheriana *Sond.*, Rennie 283 NU
Diaphanthe *caffra* (*Bolus*) *H.P.Linder*, Rennie 1988 NU
Mystacidium
flanagani (*Bolus*) *Bolus*, Rennie 835 NU
gracile (*Rchb.f.*) *Harv.*, Rennie 1318 NU
Tridactyle *tricuspis* (*Bolus*) *Schltr.*, Edwards 2024 NU

ANGIOSPERMAE-DICOTYLEDONAE

PIPERACEAE

Peperomia
retusa (*L.f.*) *A.Dietr.*, Rennie 1968 PRE
tetraphylla (*G.Forst.*) *Hook. & Arn.*, Rennie 110 NU

SALICACEAE

Salix
**babylonica* *L.*, Rennie 1141 NU
mucronata *Thunb.* subsp. *woodii* (*Seemen*) *Immelman*, Edwards 2058 NU

ULMACEAE

Celtis africana *Burm.f., Feltham 224* NU

MORACEAE

Ficus
burt-davyi *Hutch.*, Cooper's list
natalensis *Hochst.*, Cooper's list

URTICACEAE

Urtica lobulata *Blume*, Rennie 406 NU

Laportea

alatipes *Hook.f., Edwards 2045* NU
peduncularis (*Wedd.*) *Chew.*, Edwards 2206 NU
Droguetia ambigua *Wedd.*, Edwards 1961 NU

PROTEACEAE

Protea
caffra *Meisn.*, Rennie 840 NU
roupelliae *Meisn.*, Rennie 645 NU
simplex *E.Phillips*, McClean 215 PRE

SANTALACEAE

Osyrdicarpus schimperianus (*Hochst. ex A.Rich.*) *A.DC.*, Rennie 2499 NU
Thesium
acutissimum *A.DC.*, Rennie 1562 E
cupressoides *A.W.Hill, Feltham 154* NU
imbricatum *Thunb.*, Rennie 1858 NU
scirpioides *A.W.Hill, Rennie 613* NU
zeyheri *A.DC.*, Rennie 25 NU

POLYGONACEAE

Rumex
acetosella *L.* subsp. *angiocarpus* (*Murb.*) *Murb.*, Rennie 33 NU
**crispus* *L.*, Rennie 1745 NU
sagittatus *Thunb.*, Rennie 1950 PRE
steudelii *Hochst. ex A.Rich.*, Rennie 1747 NU
woodii *N.E.Br.*, Rennie 432 NU

Persicaria

**nepalensis* (*Meisn.*) *H.Gross*, Rennie 1105 NU
serrulata (*Lag.*) *Webb & Moq.*, Rennie 368 NU

CHENOPODIACEAE

Chenopodium
**album* *L.*, Rennie 660 NU
**ambrosioides* *L.*, Rennie 1065 NU

AMARANTHACEAE

**Amaranthus hybridus* *L.* subsp. *hybridus*, Rennie 1789 NU

Cyathula cylindrica *Moq.*, Rennie 1625 NU
**Achyranthes aspera* *L.* var. *sicula* *L.*, Rennie 1618 NU

AIZOACEAE

Psammotropha
mucronata (*Thunb.*) *Fenzl* var. *mucronata*, Crouch 281 NU
myriantha *Sond.*, Rennie 441 NU

PHYTOLACCACEAE

Phytolacca
heptandra *Retz.*, Rennie 531 NU
octandra *L.*, Rennie 97 NU

MESEMBRYANTHEMACEAE

Delosperma
alticolum *L.Bolus*, Rennie 621 NU
galpinii *L.Bolus*, Rennie 150 NU
obtusum *L.Bolus*, Rennie 1024 E

PORTULACACEAE

Portulaca kermesina *N.E.Br.*, Rennie 1023 NU

CARYOPHYLLACEAE

Cerastium
arabidis *E.Mey. ex Fenzl*, Rennie 87 NU
capense *Sond.*, Rennie 849 NU
indicum *Wight & Arn.*, Rennie 364 NU
Drymaria cordata (*L.*) *Willd. ex Roem & Schult.* subsp. *diandra* (*Blume*) *J.Duke*, Edwards 1939 NU

Silene

burchellii *Oth*
 var. *burchellii*, Rennie 883 NU
 var. *latifolia* *Sond.*, Rennie 1616 NU
pilosellifolia *Cham. & Schltdl.*, Rennie 445 NU
undulata *Aiton*, Rennie 476 NU

Dianthus

basuticus *Burt Davy*, Rennie 1890 NU
mooiensis *F.N.Williams*, Rennie 452 NU

RANUNCULACEAE

Anemone caffra *Eckl. & Zeyh.*, Hilliard & Burt 7169 NU
Clematis brachiata *Thunb.*, Rennie 927 NU

Ranunculus

baurii *Macowan*, Rennie 484 NU
meyeri *Harv.*, Rennie 111 NU
multifidus *Forssk.*, Hilliard & Burt 7171 NU

Thalictrum rhynchocarpum *Quart.-Dill. & Rich.*, Feltham 78 NU

MENISPERMACEAE

Cissampelos torulosa *E.Mey. ex Harv.*, Edwards 1949 NU

TRIMENIACEAE

Xymalos monospora (*Harv.*) *Baill.*, Edwards 1941 NU

LAURACEAE

Ocotea bullata (*Burch.*) *Baill.*, Edwards 2059 NU

Cryptocarya

myrtifolia *Stapf*, Cooper's list
woodii *Engl.*, Feltham 221 NU

PAPAVERACEAE

**Argemone mexicana* *L.*, Rennie 1730 NU
Papaver aculeatum *Thunb.*, Rennie 877 NU

FUMARIACEAE

Cysticapnos pruinosa (*Bernh.*) *Lidén*, Rennie 1660 NU

BRASSICACEAE

Heliophila rigidiuscula *Sond.*, Rennie 1186 NU
Lepidium schinzii *Thell.*, Hilliard & Burt 7587 NU
Sisymbrium capense *Thunb.*, Rennie 717 NU
Cardamine

africana *L.*, Rennie 1050 NU

**impatiens* *L.*, Rennie 785 NU

CAPPARACEAE

Cleome monophylla *L.*, Rennie 1722 NU

DROSERACEAE

Drosera natalensis *Diels*, Rennie 640 NU

CRASSULACEAE

Kalanchoe thyrsiflora *Harv.*, Rennie 403 NU
Crassula
dependens *Bolus*, Rennie 277 NU
lanceolata (*Eckl. & Zeyh.*) *Endl. ex Walp.* subsp. *lanceolata*, Rennie 1610 NU
natalensis *Schönland*, Rennie 390 NU
natans *Thunb.*

Crassula (cont.)

nudicaulis L., Rennie 90 NU

pellucida L.

subsp. alsinoides (Hook.f.) Toelken, Hilliard & Burt 7609 NU

subsp. brachypetala (Drège ex Harv.) Toelken, Rennie 323 NU

sarcocaulis Eckl. & Zeyh. subsp. rupicola Toelken, Rennie 1115 NU

setulosa Harv.

var. rubra (N.E.Br.) G.D.Rowley, Rennie 816 NU

var. setulosa, Vos 45 NU

umbraticola N.E.Br., Feltham 58 NU

vaginata Eckl. & Zeyh. subsp. vaginata, Rennie 575 NU

PITTOSPORACEAE

Pittosporum viridiflorum Sims, Rennie 2463 NU

HAMAMELIDACEAE

Trichocladus ellipticus Eckl. & Zeyh., Cooper's list

ROSACEAE

Rubus

ludwigii Eckl. & Zeyh., Rennie 790 NU

*rigidus Sm., Rennie 1071

*Duchesnea indica (Andrews) Focke, Rennie 118 NU

Geum capense Thunb., Rennie 152 NU

Alchemilla

natalensis Engl., Rennie 1210 NU

woodii Kuntze, Hilliard & Burt 7210 PRE

Agrimonia procera Wallr., Rennie 176 NU

Leucosidea sericea Eckl. & Zeyh., Feltham 268 NU

Cliffortia

linearifolia Eckl. & Zeyh., Rennie 120 NU

nitidula (Engl.) R.E.Fr. & Th.Fr. subsp. pilosa Weim., Feltham 155 NU

Prunus africanus (Hook.f.) Kalkm., Edwards 2230 NU

FABACEAE

Acacia

ataxacantha DC., Edwards 2218 NU

*melanoxylon R.Br., Feltham 212 NU

Hoffmanseggia sandersonii (Harv.) Engl., Hilliard & Burt 7182 NU

Calpurnia

aurea (Aiton) Benth. subsp. aurea, Feltham 244 NU

sericea Harv., Rennie 255 NU

Lotononis

carnosa (Eckl. & Zeyh.) Benth., Rennie 1184 NU

corymbosa (E.Mey.) Benth., Feltham 133 NU

eriantha Benth., Rennie 1423 NU

eriocarpa (E.Mey.) B.-E.van Wyk, Rennie 291 NU [L. biflora (Bolos) Dummer]

foliosa Bolus, Hilliard & B.L.Burt 421 NU

laxa Eckl. & Zeyh., Rennie 1025 NU

lotionoides (Scott Elliot) B.-E.van Wyk, Rennie 709 NU

pulchella (E.Mey.) B.-E.van Wyk, Rennie 1508 PRE

pulchra Dummer, Rennie 1507 PRE

viminea (E.Mey.) B.-E.van Wyk, Rennie 1509 PRE

virgata B.-E.van Wyk, Rennie 1056 NU

Pearsonia grandifolia (Bolos) Polhill, Feltham 354 NU

Melolobium

alpinum Eckl. & Zeyh., Rennie 1271 NU

microphyllum (L.f.) Eckl. & Zeyh., Rennie 747 NU

obcordatum Harv., Rennie 247 NU

Argyrolobium

amplexicaule Dummer, Edwards 2217 NU

nigrescens Dummer, Edwards 1055 NU

rupestre (E.Mey.) Walp., Edwards 1091 NU

sericosemium Harms, Edwards 1092 NU

tomentosum (Andrews) Druce, Rennie 245 NU

tuberosum Eckl. & Zeyh., Feltham 421 NU

Medicago laciniata (L.) Mill., Rennie 981 NU

Trifolium burchellianum Ser., Rennie 327 NU

Indigofera

cuneifolia Eckl. & Zeyh.,

dregeana E.Mey., Rennie 458 NU

fastigiata E.Mey., Rennie 448 NU

foliosa E.Mey., Rennie 977 NU

hedyantha Eckl. & Zeyh., Rennie 293 NU

hilaris Eckl. & Zeyh., Rennie 270 NU

longebarbata Engl., Rennie 1247 NU

trifolioides Baker f., Rennie 1732 PRE

woodii Bolus, Edwards 1058 NU

Psoralea rhizotoma C.H.Stirt., Rennie 282 NU

Tephrosia

macropoda (E.Mey.) Harv. var. diffusa (E.Mey.) Schrire, Rennie 1104 NU

marginella H.M.L.Forbes, Rennie 910 NU

polystachya E.Mey., Rennie 513 NU

Sutherlandia montana E.Phillips & R.A.Dyer, Rennie 1372 NU

Dalbergia obovata E.Mey., Cooper's list

Lessertia perennans (Jacq.) DC. var. perennans, Rennie 419 NU

Zornia capensis Pers., Rennie 496 NU

Desmodium repandum (Vahl) DC., Edwards 1944 NU

Dumasia villosa DC., Edwards 2043 NU

Rhynchosia

caribaea (Jacq.) DC., Vos 48 NU

pentheri Schltr., Rennie 1129 NU

reptabunda N.E.Br., Rennie 246 NU

totta (Thunb.) DC., Rennie 989 NU

Eriosema

distinctum N.E.Br., Feltham 134 NU

kraussianum Meisn., Rennie 114 NU

salignum E.Mey., Rennie 1319 NU

squarrosus Walp. Edwards 2232 NU

Vigna

nervosa Markötter, Vos 36 NU

vexillata (L.) A.Rich., Rennie 1858 NU

Dolichos angustissimus E.Mey., Rennie 769 NU

GERANIACEAE

Geranium

flanagani Knuth, Vos 61 NU

pulchrum N.E.Br., Feltham 402 NU

schlechteri Knuth, Rennie 1525 PRE

wakkerstroomianum Knuth, Rennie 466 NU

Monsonia

brevirostrata Knuth, Rennie 1331 NU

grandifolia Knuth, Rennie 792 PRE

Pelargonium

alchemilloides (L.) L'Hér., Vos 37 NU

bowkeri Harv., Rennie 1865 NU

luridum (Andrews) Sweet, Rennie 738 NU

multicaule Jacq., Rennie 394 NU

schlechteri Knuth, Rennie 1822 NU

zonale (L.) L'Hér., Rennie 772 NU

OXALIDACEAE

Oxalis

*corniculata L., A. Rennie s.n. NU

obliquifolia Steud. ex A.Rich., Rennie 995 NU

semiloba Sond., Rennie 1284 NU

LINACEAE

Linum thunbergii Eckl. & Zeyh., Rennie 1212 NU

RUTACEAE

Zanthoxylon

capense (Thunb.) Harv., Cooper's list

davyi (I.Verd.) P.G.Waterman, Feltham 226 NU

Calodendrum capense (L.f.) Thunb., Cooper's list

Vepris lanceolata (Lam.) G.Don, Feltham 245 NU

Clausena anisata (Willd.) Hook.f. ex Benth., Rennie 714 NU

PTAEROXYLACEAE

Ptaeroxylon obliquum (Thunb.) Radlk., Edwards 2211 NU

MELIACEAE

Ekebergia capensis Sparrm., Edwards 2016 NU

POLYGALACEAE

Polygala

gerrardii Chodat, Rennie 286 NU

gracilentia Burt Davy, Edwards 1066 NU

hottentotta C.Presl, Rennie 1614 NU

macowaniana Paiva, Feltham 131 NU [P. confusa MacOwan]

ohlendorffiana Eckl. & Zeyh., Feltham 136 NU

refracta DC., Rennie 1448 NU

rehmannii Chodat, Rennie 1868 NU

rhinostigma Chodat, Rennie 1591 NU

virgata Thunb., Rennie 377 NU

Muraltia flanagani Bolus, Nicholas 1145 NU

EUPHORBIACEAE

Micrococca capensis (Baill.) Prain, Edwards s.n. NU

Adenocline

acuta (Thunb.) Baill., Edwards 2192 NU

pauciflora Turcz., Rennie 697 NU

Acalypha
peduncularis *E.Mey. ex Meisn., Rennie 115 NU*
punctata *Meisn., Feltham 207 NU*
schinzii *Pax, Edwards 2035 NU*

Clutia
abyssinica *Jaub. & Spach, Scott-Shaw 3333 CPF*
katherinae *Pax, Rennie 123 NU*
laxa *Eckl. ex Sond., Rennie 147 NU*
pulchella *L.*
 var. franksiae *Prain, Rennie 1667 NU*
 var. obtusata *Sond., Rennie 1030 NU*
 var. pulchella *Sond., Feltham 341 NU*

Euphorbia
clavarioides *Boiss., Rennie 1017 NU*
epicyparissias *E.Mey. ex Boiss., Feltham 197 NU*
guezinzi *Boiss., Rennie 144 NU*
kraussiana *Bernh. var. erubescens N.E.Br., Rennie 1847 PRE*
natalensis *Bernh., Rennie 1157 NU*
striata *Thunb., Rennie 26 NU*

Chamaesyce inaequilatera (*Sond.*) *Soják, Rennie 654 NU*

ANACARDIACEAE
Protorhus longifolia (*Bernh.*) *Engl., Scott-Shaw's list*

Rhus
chiridensis *Baker f., Edwards s.n. NU*
dentata *Thunb., Feltham 264 NU*
discolor *E.Mey. ex Sond., Feltham 127 NU*
pyroides *Burch.*
 var. pyroides *Rennie 1032 NU*
 var. gracilis (*Engl.*) *Burtt Davy, Feltham 261 NU*
tomentosa *L., Edwards 1998 NU*
montana *Diels, Edwards 1986 NU*

AQUIFOLIACEAE
Ilex mitis (*L.*) *Radlk. var. mitis, Edwards 2212 NU*

CELASTRACEAE
Gymnosporia
heterophylla (*Eckl. & Zeyh.*) *Loes., Feltham 263 NU [Maytenus heterophylla (Eckl. & Zeyh.) N. Robson]*
mossambicensis (*Klotzsch*) *Loes., Feltham 255 NU [Maytenus mossambicensis (Klotzsch) Blakelock]*
uniflora *Davison, Edwards 2000 NU*

Maytenus
acuminata (*L.f.*) *Loes., Feltham 210 NU*
peduncularis (*Sond.*) *Loes., Scott-Shaw 3324 CPF*
undata (*Thunb.*) *Blakelock, Scott-Shaw 3315 CPF*

Pterocelastrus
echinatus *N.E.Br.,*
rostratus *Walp.,*

Lauridia tetragona (*L.f.*) *R.H.Archer., Edwards 1951 NU [Cassine tetragona (L.f.) Loes.]*

Hippocratea schlechteri *Loes., Scott-Shaw 3341 CPF*

ICACINACEAE
Cassinopsis ilicifolia (*Hochst.*) *Kuntze, Feltham 278 NU*
Apodytes dimidiata *E.Mey. ex Arn. subsp. dimidiata, Scott-Shaw 3314 CPF*

SAPINDACEAE
Allophyllus
africanus *P.Beauv., Feltham 258 NU*
dregeanus (*Sond.*) *De Winter, Feltham 254 NU*

MELIANTHACEAE
Bersama tysoniana *Oliv., Scott-Shaw's list*

GREYIACEAE
Greyia sutherlandii *Hook. & Harv., Rennie 1148 NU*

BALSAMINACEAE
Impatiens hochstetteri *Warb. subsp. hochstetteri, Feltham 193 NU*

RHAMNACEAE
Scutia myrtina (*Burm.f.*) *Kurz, Edwards 1984 NU*
Rhamnus prinoides *L'Her., Feltham 217 NU*
Phylica paniculata *Willd., Edwards 2007 NU*

VITACEAE
Rhoicissus
revoilii *Planch., Edwards 1957 NU*
tomentosa (*Lam.*) *Wild & R.B.Drumm., Cooper's list*
tridentata (*L.f.*) *Wild & R.B.Drumm., Rennie 790 NU*

TILIACEAE
Grewia
lasiocarpa *E.Mey. ex Harv., Cooper's list*

occidentalis *L., Rennie 733 NU*

MALVACEAE
Anisodonteia julii (*Burch. ex DC.*) *Bates subsp. pannosa (Bolus) Bates, Rennie 1061 NU*

*Malva neglecta *Wallr., Rennie 1292 NU*

Hibiscus
aethiopicus *L., Rennie 723 NU*
saxatilis *J.M.Wood & M.S.Evans, Rennie 1273 NU*
trionum *L., Rennie 1126 NU*

STERCULIACEAE
Dombeya
cymosa *Harv., Feltham 275 NU*
tiliacea (*Endl.*) *Planch., Scott-Shaw's list*

Hermannia
cristata *Bolus, Hilliard & B.L.Burtt 7181 NU*
gerrardii *Harv., Rennie 75 NU*
woodii *Schinz, Rennie 164 NU*

OCHNACEAE
Ochna
gamostigmata *Du Toit, Rennie 468 NU*
serrulata (*Hochst.*) *Walp., Rennie 995 NU*

CLUSIACEAE
Hypericum
aethiopicum *Thunb., Feltham 57 NU*
lalandii *Choisy, Rennie 1564 NU*
natalense *J.M.Wood & M.S.Evans, Rennie 976 NU*

VIOLACEAE
Hybanthus
capensis (*Thunb.*) *Engl., Burtt & Hilliard 3494 NU*
parviflorus (*L.f.*) *Baill., Edwards 2215 NU*

FLACOURTIACEAE
Kiggelaria africana *L., Rennie 1258 NU*

Scolopia
flanaganii (*Bolus*) *Sim, Scott-Shaw 3317 CPF*
mundii (*Eckl. & Zeyh.*) *Warb., Rennie 231 NU*
zeyheri (*Nees*) *Harv., Edwards 2036 NU*

Trimeria grandifolia (*Hochst.*) *Warb., Rennie 620 NU; Feltham 230 NU*

Dovyalis
lucida *Sim, Rennie 997 NU*
rhamnoides (*Burch. ex DC.*) *Harv., Edwards 2214 NU*
zeyheri (*Sond.*) *Warb., Scott-Shaw 3332 CPF*

Casearia gladiiformis *Mast., Scott-Shaw's list*

ACHARIACEAE
Ceratosicyos laevis (*Thunb.*) *A.Meeuse, Rennie 832, Edwards 1940 NU*

BEGONIACEAE
Begonia sutherlandii *Hook.f., W. Marais 1448 PRE*

OLINIACEAE
Olinia emarginata *Burtt Davy, Rennie 469 NU*

THYMELAEACEAE
Peddiea africana *Harv., Scott-Shaw's list*

Gnidia
baurii *C.H.Wright, Rennie 1490 NU*
caffra (*Meisn.*) *Gilg, Rennie 135 NU*
gymnostachya (*C.A.Mey.*) *Gilg, Rennie 223 NU*
kraussiana *Meisn. var. kraussiana, Feltham 84 NU*
phaeotricha *Gilg, Rennie 1274 NU*
polyantha *Gilg, Rennie 36 NU*
renniana *Hilliard & B.L.Burtt, Feltham 57 NU*

Passerina
filiformis *L., Rennie 82 NU*
montana *Thoday, Edwards 1125 NU*

Dais cotonifolia *L., Rennie 1047 NU*

RHIZOPHORACEAE
Cassipourea gerrardii (*Schinz*) *Alston, Scott-Shaw's list CPF*

COMBRETACEAE
Combretum
edwardsii *Exell, Edwards 1977 NU*
kraussii *Hochst., Rennie 1967 NU*

MYRTACEAE
Eugenia zuluensis *Dummer, Feltham 248 NU*
Syzygium gerrardii (*Harv. ex Hook.f.*) *Burtt Davy, Cooper's list*

ONAGRACEAE
Epilobium
capense *Buchinger ex Hochst., Rennie 438 NU*

Epilobium

- hirsutum L., Rennie 583 NU
salignum Hausskn., Rennie 389 NU

**Oenothera rosea* L'Hér. ex Aiton, Rennie 34 NU

HALORAGACEAE

- Gunnera perpensa* L., Rennie 474 NU
Laurembergia repens P.J.Bergius, Huntley 434 NU

ARALIACEAE

- Cussonia*
 paniculata Eckl. & Zeyh. subsp. *sinuata* (Reyneke & Kok) De Winter,
 McClellan 216 PRE
 spicata Thunb., Feltham 252 NU
Seemannaralia gerrardii (Seem.) Harms, Feltham 262 NU

APIACEAE

- Sanicula elata* Buch.-Ham. ex D.Don, Rennie 1294 NU
Alepidea
 amatymbica Eckl. & Zeyh., Edwards 1044 NU
 natalensis J.M.Wood & M.S.Evans, Edwards 1043 NU
 woodii Oliv., Rennie 1076; Edwards 2021 NU
**Anthriscus sylvestris* (L.) Hoffm., Rennie 1281 NU
Conium fontanum Hilliard & B.L.Burtt var. *fontanum*, Rennie 967 NU
Heteromorpha
 arborescens (Spreng.) Cham. & Schltdl., Rennie 872 NU
 var. *abyssinica* (A.Rich.) H.Wolff, Feltham 256 NU [*H. trifoliata*
 (H.Wendl.) Eckl. & Zeyh.]
Bupleurum mundii Cham. & Schltdl., Rennie 379 NU
**Ammi majus* L. var. *glaucifolium* (L.) Godr., Hilliard & Burtt 7600 NU
Pimpinella caffra (Eckl. & Zeyh.) D.Dietr., Rennie 743 NU
Peucedanum
 caffrum (Meisn.) E.Phillips, Rennie 418 NU
 thodei Arnold, Rennie 540 NU
**Daucus carota* L., Rennie 372 NU

CORNACEAE

- Curtisia dentata* (Burm.f.) C.A.Sm., Edwards 1974 NU

ERICACEAE

- Erica*
 algida Bolus, Rennie 1078 NU, 1573 PRE
 alopecurus Harv., Rennie 20 NU
 caffrorum Bolus var. *caffrorum*, Rennie 1574 PRE
 cerinthoides L., Rennie 1375 NU
 cooperi Bolus, Edwards 2049 NU
 drakensbergensis Guthrie & Bolus, Rennie 3 NU
 evansii (N.E.Br.) E.G.H.Oliv., Rennie 1066 NU
 natalitia Bolus, Edwards 2048 NU
 oatesii Rolfe, Rennie 401 NU
 woodii Bolus
 subsp. *platyura* Hilliard & B.L.Burtt, Rennie 1249 NU
 subsp. *woodii*, Rennie 529 NU

MYRSINACEAE

- Maesa lanceolata* Forssk., Edwards s.n. NU
Myrsine africana L., Rennie 342 NU
Rapanea melanophloeos (L.) Mez, Feltham 250 NU

PRIMULACEAE

- Lysimachia ruhmeriana* Vathe, Rennie 735 NU
Anagallis huttonii Harv., Rennie 440 NU

EBENACEAE

- Euclea crispa* (Thunb.) Gürke subsp. *crispa*, Edwards 2012 NU
Diospyros
 austro-africana De Winter var. *rubriflora* (De Winter) De Winter,
 Rennie 594 NU
 dichrophylla (Gand.) De Winter, Scott-Shaw 3344 CPF
 lycioides Desf., Rennie 384 NU
 whyteana (Hiern) F.White, Rennie 508 NU

OLEACEAE

- Chionanthus*
 foveolatus (E.Mey.) Stearn, Scott-Shaw 3311 CPF
 peglerae (C.H.Wright) Stearn, Scott-Shaw's list
Olea
 capensis L. subsp. *macrocarpa* (C.H.Wright) I.Verd., Scott-Shaw's
 list
 europaea L. subsp. *africana* (Mill.) P.S.Green, Edwards 1947 NU

BUDDLEJACEAE/LOGANIACEAE

- Gomphostigma virgatum* (L.f.) Baill., Rennie 644a NU
Buddleja
 auriculata Benth., Edwards 1952 NU

- dysophylla* (Benth.) Radlk., Edwards 2216 NU
loricata Leeuwenb., Rennie 1491 NU
salviifolia (L.) Lam., Feltham 238 NU

GENTIANACEAE

- Sebaea*
 erosa Schinz, Rennie 1973 NU
 filiformis Schinz, Rennie 376 NU
 longicaulis Schinz, Rennie 1637 NU
 repens Schinz, Rennie 399 NU
 sedoides Gilg
 var. *confertiflora* (Schinz) Marais, Rennie 1638 PRE
 var. *schoenlandii* (Schinz) Marais, Rennie 1640 NU
 var. *sedoides*, Feltham 201 NU
Chironia
 krebsii Griseb., Feltham 281 NU
 peglerae Prain, Rennie 1299 NU

APOCYNACEAE

- Carissa bispinosa* (L.) Desf. ex Brenan, Rennie 623 NU
Strophanthus speciosus (Ward & Harv.) Reber, Feltham 249 NU
Raphionacme hirsuta (E.Mey.) R.A.Dyer ex E.Phillips, Rennie 1445
 NU [*Periplocaceae*]
Xysmalobium [*Asclepiadaceae*]
 involutum (E.Mey.) Decne., Rennie 897 NU
 parviflorum Harv. ex Scott Elliot, Rennie 215 NU
 prunelloides Turcz., Rennie 232 NU
 stockenstromense Scott Elliot, Rennie 666 NU
 undulatum (L.) Aiton f., Rennie 536 NU
Schizoglossum
 atropurpureum E.Mey. subsp. *atropurpureum*, Rennie 713 NU
 bidens E.Mey. subsp. *pachyglossum* (Schltr.) Kupicha, Rennie 890;
 Edwards 2030 NU
 elingue N.E.Br. subsp. *elingue*, Rennie 233 NU
 flavum Schltr., Feltham 30 NU
 hilliardiae Kupicha, Edwards 2225 NU
 nitidum Schltr., Rennie 1325 NU
 aff. *stenoglossum* Schltr., Edwards 2222 NU
Aspidoglossum
 gracile (E.Mey.) Kupicha, Edwards 2220 NU
 interruptum (E.Mey.) Bullock, Rennie 1420 NU
Miraglossum
 pulchellum (Schltr.) Kupicha, Rennie 297 NU
 verticillare (Schltr.) Kupicha, Rennie 892 NU
Periglossum angustifolium Decne., Hilliard & Burtt 7594 NU
Pachycarpus
 campanulatus (Harv.) N.E.Br., Rennie 898 NU
 var. *campanulatus*, Rennie 281 NU
 dealbatus E.Mey., Edwards 2189 NU
 macrochilus (Schltr.) N.E.Br., Rennie 860 NU
 plicatus N.E.Br., Rennie 311 NU

Asclepias

- affinis* (Schltr.) Schltr., Rennie 1179 NU
cultriformis Harv. ex Schltr., Rennie 864 NU
dregeana Schltr., Rennie 284 NU
flexuosa (E.Mey.) Schltr., Rennie 1180 NU
gibba (E.Mey.) Schltr., Hilliard & Burtt 7205 NU
macropus (Schltr.) Schltr., Rennie 1120 NU
multicaulis (E.Mey.) Schltr., Rennie 778 NU
stellifera Schltr., Rennie 593 NU
Gomphocarpus fruticosus (L.) Aiton, Rennie 284 NU [*Asclepias fru-*
 ticosa L.]

Aspidonepsis

- diploglossa* (Turcz.) Nicholas & Goyder, Rennie 488 NU
flava (N.E.Br.) Nicholas & Goyder, Rennie 275 NU
reenensis (N.E.Br.) Nicholas & Goyder, Rennie 1109 NU
Secamone alpini Schultes, Rennie 950 NU
Brachystelma
 pulchellum (Harv.) Schltr., Rennie 506 NU
Brachystelma (cont.)
 pygmaeum (Schltr.) N.E.Br., Rennie 21 NU
Riocreuxia torulosa Decne., Rennie 637 NU

CONVOLVULACEAE

- Convolvulus natalensis* Bernh. ex Krauss, Rennie 617 NU
Ipomoea pellita Hallier f., Rennie 306 NU

BORAGINACEAE

- Cynoglossum*
 austroafricanum Hilliard & B.L.Burtt, Rennie 379 NU
 hispidum Thunb., Rennie 166 NU
 lanceolatum Forssk., Rennie 545 NU

Cynoglossum (cont.)

- spelaum Hilliard & B.L.Burt, Rennie 507 NU
 Afrotysonia glochidiata (R.R.Mill) R.R.Mill, Rennie 718 NU
 Myosotis
 semiamplexicaulis DC., Rennie 825 NU
 sylvatica Hoffm., Feltham 186 NU
 Lithospermum
 afromontanum Weim., Rennie 7946 NU
 papillosum Thunb., Rennie 110 NU

VERBENACEAE

- Verbena
 *bonariensis L., Rennie 656 NU
 *venosa Gill & Hook., Rennie 664 NU
 Lantana rugosa Thunb., Rennie 1374 NU
 Clerodendrum glabrum E.Mey., Edwards s.n. NU

LAMIACEAE

- Ajuga ophrydis Burch. ex Benth., Rennie 447 NU
 Teucrium kraussii Codd, Rennie 1615 NU
 Leonotis
 leonurus (L.) R.Br., Vos 538 NU
 obovata Spreng., Feltham 345 NU
 ocymifolia (Burm.f.) Iwarsson
 var. ocymifolia, Feltham 345 NU [L. dubia E.Mey]
 var. raineriana (Vis.) Iwarsson, Vos 44 NU [L. intermedia Lindl.]

Stachys

- aethiopica L., Rennie 320 NU
 caffra E.Mey. ex Benth., Feltham 189 NU
 grandifolia E.Mey. ex Benth., Vos 43 NU
 kuntzei Gürke, Marais 1450 PRE
 sessilis Gürke, Rennie 659 NU
 simplex Schltr., Rennie 1219 NU

Salvia

- aurita L.f. var. galpinii (Skan) Hedge, Rennie 522 NU
 repens Burch. ex Benth., Edwards 1063 NU

Satureja reptans Killick, Rennie 574 NU

Mentha

- aquatica L., Rennie 819 NU
 longifolia (L.) L., Rennie 999 NU

Pycnostachys reticulata (E.Mey.) Benth., Rennie 482 NU

Plectranthus

- ciliatus E.Mey. ex Benth., Carbutt s.n. NU
 dolycopodus Briq., Edwards 1945 NU
 fruticosus L'Hér., Vos 42 NU
 grallatus Briq., Rennie 511 NU

Rabdosiella calycina (Benth.) Codd, Rennie 568 NU

Hemizygia cinerea Codd, Edwards 1977 NU

- Becium obovatum (E.Mey. ex Benth.) N.E.Br. subsp. obovatum var.
 obovatum, Edwards s.n. NU [B. grandiflorum (Lam.) Pic.
 Serm. var. obovatum (E.Mey. ex Benth.) Sebal]

SOLANACEAE

Solanum

- chenopodioides Lam., Rennie 867 NU
 giganteum Jacq., Edwards 1954 NU
 *nigrum L., Edwards 1077 a NU
 retroflexum Dun., Rennie 669 NU

SCROPHULARIACEAE

Diascia megathura Hilliard & B.L.Burt, Rennie 1735 NU

Nemesia

- albiflora N.E.Br., Rennie 1861 NU
 caerulea Hiern, Feltham 47 NU
 melissifolia Benth., Vos 49 NU
 silvatica Hilliard, Rennie 1 NU

Diclis

- reptans Benth., Hilliard & Burt 7192 NU
 rotundifolia (Hiern) Hilliard & B.L.Burt, Hilliard & Burt 7602 NU

Halleria lucida L., Rennie 173 NU

Phygellus aequalis Harv. ex Hiern, Rennie 321 NU

Bowkeria verticillata (Eckl. & Zeyh.) Schinz, Rennie 483 NU

Manulea florifera Hilliard & B.L.Burt, Rennie 302 NU

Sutera

- floribunda (Benth.) Kuntze, Edwards 1071 NU
 polensis Hiern, Rennie 1647 NU

Jamesbrittenia

- breviflora (Schltr.) Hilliard, Hilliard & Burt 3471 NU [Sutera bre-
 viflora (Schltr.) Hiern]
 filicaulis (Benth.) Hilliard, Rennie 310 NU [Sutera filicaulis (Benth.)
 Hilliard]

Zaluzianskya

- distans Hiern, Rennie 1280 NU
 elongata Hilliard & B.L.Burt, Rennie 1245 NU
 glareosa Hilliard & B.L.Burt, Rennie 1839 PRE
 microsiphon (Kuntze) K.Schum., Edwards 1080 NU
 natalensis Hochst., Rennie 1840 NU
 pulvinata Killick, Hilliard & Burt 7172 NU
 spathacea (Benth.) Walp., Rennie 1244 NU
 Mimulus gracilis R.Br., Rennie 146 NU

Limosella

- longiflora Kuntze, Rennie 489 NU
 maior Diels, Rennie 23 NU

*Veronica persica Poir., Rennie 1092 NU

- Melasma scabrum P.J.Bergius, Feltham 283 NU
 Alectra sessiliflora (Vahl) Kuntze var. sessiliflora, Rennie 1663 NU
 Graderia scabra (L.f.) Benth., Rennie 84 NU
 Sopubia cana Harv., Rennie 639 NU

Buchnera

- dura Benth., Rennie 1228 NU
 glabrata Benth., Rennie 480 NU
 simplex (Thunb.) Druce, Rennie 1228 NU
 Cycnium racemosum Benth., Rennie 1237 NU

Striga

- asiatica (L.) Kuntze, Rennie 573 NU
 bilabiata (Thunb.) Kuntze, Edwards 1061 NU
 elegans Benth., Vos 34 NU

Harveya

- pulchra Hilliard & B.L.Burt, Rennie 2416 NU
 speciosa Benth. ex C.Krauss, Rennie 312 NU
 Hebenstretia dura Choisy, Feltham 209 NU

Selago

- flanaganii Rolfe, Rennie s.n. NU
 immersa Rolfe, Rennie 1293 NU
 pachypoda Rolfe, Rennie 318 NU
 Walafrida densiflora (Rolfe) Rolfe, Rennie 1669 NU

GESNERIACEAE

Streptocarpus

- gardenii Hook., Rennie 490 NU
 pentherianus Fritsch, Feltham 96 NU
 pusillus Harv. ex C.B.Clarke, Rennie 424 NU

LENTIBULARIACEAE

Utricularia

- livida E.Mey., Rennie 439 NU
 prehensilis E.Mey., Rennie 16 NU

ACANTHACEAE

- Thunbergia venosa C.B.Clarke, Rennie 1270 NU
 Chaetacanthus setiger (Pers.) Lindl., Rennie 1175 PRE
 Crabbea acaulis N.E.Br., Rennie 1062 NU
 Hypoestes triflora (Forssk.) Roem. & Schult., Rennie 1970
 Isoglossa

- grantii C.B.Clarke, Rennie 1111
 hypostiflora Lindau, Feltham 72 NU
 macowanii C.B.Clarke, Rennie 1952 NU

- Justicia campylostemon (Nees) T.Anderson, Rennie 1990
 Adhatoda andromeda (Lindau) C.B.Clarke, Rennie 66 NU

PLANTAGINACEAE

Plantago

- *lanceolata L., Rennie 1028 NU
 *virginica L., Rennie 1324 NU

RUBIACEAE

- Kohautia amatymbica Eckl. & Zeyh., Rennie 607 NU
 Conostomium natalense (Hochst.) Bremek., Edwards 2011 NU
 Burchellia bubalina (L.f.) Sims, Scott-Shaw's list
 Rothmannia
 capensis Thunb., Edwards 2207 NU
 globosa (Hochst.) Keay, Scott-Shaw's list
 Hyperacanthus amoenus (Sims) Bridson,
 Tricalysia lanceolata (Sond.) Burt Davy, Scott-Shaw's list
 Pentanisia prunelloides (Klotzsch ex Eckl. & Zeyh.) Walp., Rennie 983 NU
 Pygmaeotheum chamaedendrum (Kuntze) Robyns, Rennie 869 NU
 Canthium
 ciliatum (Klotzsch) Kuntze, Rennie 1267 NU
 kuntzeanum Bridson, Rennie 1033 NU
 mundianum Cham. & Schltd., Scott-Shaw's list
 Psydrax obovata (Eckl. & Zeyh.) Bridson subsp. obovata, Scott-Shaw's list
 Pachystigma macrocalyx (Sond.) Robyns, Edwards 1937 NU
 Pavetta
 cooperi Harv. & Sond., Edwards 2204 NU

Pavetta (cont.)

kotzei *Bremer, Scott-Shaw 3323 CPF*

Galopina circaeoides *Thunb., Rennie 1393 NU*

Anthospermum herbaceum *L.f., Feltham 71 NU*

Spermacoce natalensis *Hochst., Rennie 560 NU*

Galium

capense *Thunb., Rennie 268 NU*

thunbergianum *Eckl. & Zeyh.*

var. hirsutum (*Sond.*) *Verdc., Rennie 502 NU*

var. thunbergianum, *Rennie 1611 NU*

Rubia

petiolaris *DC., Rennie 795 NU*

cordifolia *L. subsp. conotricha (Gand.) Verdc., Edwards 1973 NU*

VALERIANACEAE

Valeriana capensis *Thunb. var. capensis, Feltham 141 NU*

DIPSACACEAE

Cephalaria

natalensis *Kuntze, Hilliard & Burt 10123 NU*

oblongifolia (*Kuntze*) *Szabo, Rennie 811 NU*

Scabiosa columbaria *L., Feltham 53 NU*

CUCURBITACEAE

Mukia maderaspatana (*L.*) *M.Roem., Rennie 1074 NU*

Zehneria

parvifolia (*Cogn.*) *J.H.Ross, Rennie 793 NU*

scabra (*L.f.*) *Sond., Rennie 824 NU*

Coccinia hirtella *Cogn., Rennie 130 NU*

CAMPANULACEAE

Wahlenbergia

appressifolia *Hilliard & B.L.Burt, Rennie 331 NU*

cuspidata *Bremer, Rennie 818 NU*

fasciculata *Bremer, Rennie 18 NU*

huttonii (*Sond.*) *Thulin, Rennie 1097 NU*

krebsii *Cham., Feltham 26 NU*

pallidiflora *Hilliard & B.L.Burt, Edwards 1081 NU*

paucidentata *Schinz, Rennie 848 NU*

rivularis *Diels, Rennie 393 NU*

Craterocapsa tarsodes *Hilliard & B.L.Burt, Rennie 497 NU*

LOBELIACEAE

Cyphia

elata *Harv., Rennie 526 NU*

longifolia *N.E.Br., Rennie 201 NU*

natalensis *E.Phillips, Rennie 872 NU*

rogersii *S. Moore subsp. winteri E.Wimm., Edwards 1042 NU*

tysonii *E.Phillips, Rennie 538 NU*

Lobelia

flaccida (*C.Presl*) *A.DC. subsp. flaccida, Rennie 460 NU*

erinus *L., Feltham 34 NU*

laxa *MacOwan, Rennie 871 NU*

oreas *E.Wimm., Rennie 83 NU*

vanreenensis (*Kuntze*) *K.Schum., Feltham 90 NU*

Monopsis

decipiens (*Sond.*) *Thulin, Rennie 145 NU*

stellarioides (*Presl*) *Urb. subsp. stellarioides, Rennie 966 NU*

ASTERACEAE

Vernonia

flanaganii (*E.Phillips*) *Hilliard, Rennie 420*

gerrardii *Harv., Rennie 339 NU*

hirsuta (*DC.*) *Sch.Bip., Hilliard & Burt 7160 NU*

natalensis *Sch.Bip. ex Walp., Rennie 340 NU*

neocorymbosa *Hilliard, Edwards 1988 NU*

Aster

bakerianus *Burt Davy ex C.A.Sm., Feltham 120 NU*

perfoliatus *Oliv., Rennie 426 NU*

pleiocephalus (*Harv.*) *Hutch., Rennie 153 NU*

Felicia

filifolia (*Vent.*) *Burt Davy, Rennie 397 NU*

linearis *N.E.Br., Edwards 1048 NU*

muricata (*Thunb.*) *Nees, Rennie 948 NU*

rosulata *Yeo, Rennie 1857 NU*

Nidorella

auriculata *DC., Rennie 359 NU*

undulata (*Thunb.*) *Sond. ex Harv., Rennie 224 NU*

Conyza

*bonariensis (*L.*) *Cronquist, Rennie 661 NU*

*canadensis (*L.*) *Cronquist, Rennie 1130 NU*

obscura *DC., Rennie 563; Edwards 2019 NU*

pinnata (*L.f.*) *Kuntze, Rennie 209 NU*

scabrida *DC., Rennie 1398 NU*

Nolletia rarifolia (*Turcz.*) *Steetz, Hilliard & Burt 7163 NU*

Chrysocoma ciliata *L., Rennie 96 NU*

Denekia capensis *Thunb., Rennie 471 NU*

Gnaphalium confine *Harv., Rennie 649 NU*

Troglophyton capillaceum (*Thunb.*) *Hilliard & B.L.Burt subsp. dif-fusum (DC.) Hilliard, Rennie 1684 NU*

Pseudognaphalium

luteo-album (*DC.*) *Hilliard & B.L.Burt, Rennie 220 NU*

oligandrum (*DC.*) *Hilliard & B.L.Burt, Hilliard & Burt 7599 NU*

undulatum (*L.*) *Hilliard & B.L.Burt, Hilliard & Burt 7593 NU*

*Gamochaeta coarctata (*Willd.*) *Kerguelen, Rennie 992 NU [Gnapha-lium coarctatum Willd.]*

Helichrysum

acutatum *DC., Rennie 711 NU*

adenocarpum *DC., Rennie 747 NU*

allioides *Less., Edwards 2225 NU*

appendiculatum (*L.f.*) *Less., Feltham 258 NU*

aureum (*Houtt.*) *Merr.*

var. aureum, *Rennie 127 NU*

var. monocephalum (*DC.*) *Hilliard, Rennie 652 NU*

var. serotinum *Hilliard, Rennie 525 NU*

caespitium (*DC.*) *Harv., Hilliard & Burt 7175 NU*

cephaloideum *DC., Rennie 203 NU*

chionosphaerum *DC., Feltham 8 NU*

confertifolium *Klatt, Rennie 1636 NU*

cooperi *Harv., A.P.D. McClean 208 PRE*

dregeanum *Sond. & Harv., Hilliard & Burt 7211 NU*

ecklonis *Sond., Rennie 461 NU*

epapposum *Bolus, Rennie 1687 NU*

fulvum *N.E.Br., Rennie 694 NU*

glomeratum *Klatt, Scott-Shaw 3322 CPF*

grandibracteatum *M.D.Hend., Rennie 125 NU*

herbaceum (*Andrews*) *Sweet, Rennie 308 NU*

krebsianum *Less., Rennie 205 NU*

krookii *Moeser, Edwards 1075 NU*

melanacme *DC., Hilliard & Burt 7592 NU*

miconiifolium *DC., Rennie 226 NU*

monticola *Hilliard, Rennie 252 NU*

mundtii *Harv., Hilliard & Burt 7590 NU*

nudifolium (*L.*) *Less., Rennie 868 NU*

opacum *Klatt, Rennie 712 NU*

oreophilum *Klatt, Rennie 338 NU*

pallidum *DC., Rennie 776 NU*

pilosellum (*L.f.*) *Less., Rennie 131 NU*

platypterum *DC., Rennie 373 NU*

rugulosum *Less., Rennie s.n. NU*

sessilioides *Hilliard, Rennie 175 NU*

simillimum *DC., Rennie 358 NU*

spiralepis *Hilliard & B.L.Burt, Rennie 990 NU*

splendidum (*Thunb.*) *Less., Rennie 204 NU*

subluteum *Burt Davy, Hilliard & Burt 7190 NU*

sutherlandii *Harv., Rennie 374 NU*

trilineatum *DC., Rennie 1572 NU*

umbraculigerum *Less., Rennie 352 NU*

vernum *Hilliard, Rennie 755 NU*

Relhania acerosa (*DC.*) *Bremer, Rennie 93 NU*

Macowania pinifolia (*N.E.Br.*) *Kroner, Rennie 407 NU [Athraxia pini-folia N.E.Br.]*

Athraxia

angustissima *DC., Rennie 303 NU*

arachnoidea *J.M.Wood & M.S.Evans ex J.M.Wood, Rennie 405 NU*

fontana *MacOwan, Rennie 239 NU*

Printzia

auriculata *Harv., Rennie 400 NU*

pyrifolia *Less., Rennie 355 NU*

*Bidens pilosa *L., Rennie 562 NU*

*Galinsoga parviflora *Cav., Rennie 544 NU*

*Tagetes minuta *L., Rennie 381 NU*

Inulanthera coronopifolia (*Harv.*) *Källersjö, Rennie 380 NU*

*Anthemis arvensis *L., Rennie 218 NU*

*Achillea millefolium *L. s.l., Rennie 865 NU*

Lepidostephium asteroides (*Bolus & Schltr.*) *Kroner, Rennie 520 NU*

Cotula

australis (*Spreng.*) *Hook.f., Rennie 1143 NU*

hispida (*DC.*) *Harv., Rennie 1405 NU*

Schistostephium

crataegifolium (DC.) Fenzl ex Harv., Rennie 354 NU

hippiifolium (DC.) Hutch., Rennie 398 NU

Artemisia afra Jacq. ex Willd., Rennie 549 NU

Cineraria

deltoidea Sond., Edwards 2015 NU

pinnata O.Hoffm., Edwards 2034 NU

Senecio

adnatus DC., Hilliard & Burtt 7615 NU

arabidifolius O.Hoffm., Hilliard & Burtt 7212 NU

barbatus DC., Hilliard & Burtt 7189 NU

brevidentatus M.P.Hend., Hilliard & Burtt 7614 NU

bupleuroides DC., Rennie 206 PRE

cathcartensis O.Hoffm., Rennie 672 NU

citriceps Hilliard & B.L.Burtt, Rennie 961 NU

coronatus (Thunb.) Harv., Rennie 693 NU

deltoideus Less., Rennie 5 NU

discodregianus Hilliard & B.L.Burtt, Rennie 627 NU

dregeanus DC., Rennie 986 NU

erubescens Aiton

var. crepidifolius DC., Rennie 429 NU

var. erubescens DC., Rennie 487 NU

glaberrimus DC., Rennie 206 NU

gregatus Hilliard, Rennie 1140 NU

harveianus MacOwan, Rennie 353 NU

heliopsis Hilliard & B.L.Burtt, Rennie 165 NU

hirsutilobus Hilliard, Rennie 227 NU

hygrophilus R.A.Dyer & C.A.Sm., Hilliard & Burtt 7530 NU

inaequidens DC., Rennie 464 NU

inornatus DC., Rennie 356 NU

isatideus DC., Hilliard & Burtt 7616 NU

lydenbergensis Hutch. & Burtt Davy, Rennie 987 NU

macrocephalus DC. sens. lat., Feltham 191 NU

macrospermus DC., Rennie 1369 NU

madagascariensis Poir., Rennie 650 NU

marginalis Hilliard, Rennie 472 NU

othonniflorus DC., Hilliard & Burtt 7198 NU

oxyriifolius DC., Rennie 1169 NU

panduriformis Hilliard, Rennie 392 PRE

polyodon DC. var. polyodon, Rennie 619 NU

retrorsus DC., Hilliard & Burtt 7596 NU

ruwenzoriensis S.Moore, Rennie 1054 NU

scitus Hutch. & Burtt Davy, Hilliard & Burtt 7184 NU

striatifolius DC., Hilliard & Burtt 7164 NU

subcoriaceus Schltr., Rennie 603 NU

subrubriflorus O.Hoffm., Rennie 347; Edwards 2018 NU

umgeniensis Thell., Rennie 588 NU

Delairea odorata Lem., Rennie 375 NU

Mikaniopsis cissampelina (DC.) C.Jeffrey, Edwards 2047 NU

Euryops

evansii Schltr., Edwards 1056 NU

laxus (Harv.) Burtt Davy, Hilliard & Burtt 7165 NU

transvaalensis Klatt, Rennie 309 NU

tysonii E.Phillips, Rennie 527 NU

Othonna

burtii B.Nord., Rennie 172 NU

natalensis Sch.Bip., Rennie 1256 NU

Dimorphotheca

caulescens Harv., Rennie 519 NU [Osteospermum caulescens Harv.]

jucundum E.Phillips, Feltham 83 NU [Osteospermum jucundum (E.Phillips) Norl.]

Osteospermum attenuatum Hilliard & B.L.Burtt, Rennie 307 NU

Chrysanthemoides monilifera (L.) Norl., Edwards 2008 NU

Ursinia

montana DC., Rennie 1846 NU

tenuiloba DC., Rennie 279 NU

Arctotis arctotoides (L.f.) O.Hoffm., Rennie 72 NU

Haplocarpha

nervosa (Thunb.) P.Beauv., Rennie 601 NU

scaposa Harv., Rennie 383 NU

Gazania linearis (Thunb.) Druce, Feltham 143 a NU

Hirpicium armerioides (DC.) Roessler, Rennie 467 NU

Berkheya

cirsiifolia (DC.) Roessler, Rennie 1116 NU

debilis MacOwan, Feltham 340 NU

macrocephala J.M.Wood, Rennie 676 NU

rhapontica (DC.) Hutch. & Burtt Davy

subsp. platyptera (Harv.) Roessler, Rennie 721 NU

subsp. rhapontica, Rennie 570 NU

setifera DC., Rennie 374 NU

speciosa (DC.) O.Hoffm. subsp. ovata Roessler, Rennie 1168 NU

*Cirsium vulgare (Savi) Ten., Rennie 571 NU

Dicoma anomala Sond., Rennie 565 NU

Gerbera

ambigua (Cass.) Sch.Bip., Hilliard & Burtt 7170 NU

piloselloides (L.) Cass., Rennie 949 NU

Tolpis capensis (L.) Sch.Bip., Rennie 851 a NU

Hypochoeris

*microcephala (Sch.Bip.) Cabrera var. albiflora (Kuntze) Cabrera, Rennie 909 NU

*radicata L., Rennie 854 NU

*Taraxacum hamatiforme Dahlst., Rennie 605 NU

Sonchus

*asper (L.) Hill, Rennie 703 NU

dregeanus DC., Hilliard & Burtt 7191 NU

integrifolius Harv., Rennie 701 NU

nanus Sond. ex Harv., Rennie 5500 NU

*oleraceus L., Rennie 823 NU

Lactuca

inermis Forssk., Rennie 413 NU [L. capensis Thunb.]

tysonii (E.Phillips) C.Jeffrey, Rennie 491 NU

Crepis hypochaeridea (DC.) Thell., Rennie 859 NU