

Supplementary Materials

Table S1. Summary of the spermatophytes (Divisions: Anthophyta and Cycadophyta) endemic to the Greater Midlands Centre of Floristic Endemism (GMCFE). Red List status and some distribution data were based on the SANBI Red List version 2020 [27]. Lithology followed the Geological Map of South Africa [33]. Abbreviations: EC, Eastern Cape; EI, Endemicity Index; FB; Forest Biome; KZN, KwaZulu-Natal; GB, Grassland Biome; Mtn, Mountain; SB, Savanna Biome. Taxa are listed alphabetically within three focal groups from northernmost to southernmost latitudes. Cited references mostly represent the “taxonomic authority”. Outdated or incomplete published information was supplemented by field knowledge, herbarium studies and peer review. Herbarium codes followed the Index Herbariorum [25]: BM, Natural History Museum, London, England; BNRH, Buffelskloof Herbarium, Lydenburg, South Africa; BOL, Bolus Herbarium, Cape Town, South Africa; BR, Meise Botanic Garden Herbarium, Brussels, Belgium; E, Royal Botanic Garden Edinburgh Herbarium, Edinburgh, Scotland; J, C.E. Moss Herbarium, Johannesburg, South Africa; K, Royal Botanic Gardens Kew Herbarium, Richmond, England; M, Botanische Staatssammlung München, Munich, Germany; NBG & SAM, Compton Herbarium, Cape Town, South Africa; NH, KwaZulu-Natal Herbarium, Durban, South Africa; NU, Bews Herbarium, Pietermaritzburg, South Africa; PRE, National Herbarium, Pretoria, South Africa; PRU, H.G.W.J. Schweickerdt Herbarium, Pretoria, South Africa; TCD, Trinity College Herbarium, Dublin, Ireland; UDW, Ward Herbarium, Westville, South Africa.

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Group 1: “The Northern Group” — southern Mpumalanga (Ermelo, Amersfoort, Amsterdam, Piet Retief and Wakkerstroom) to northern, north-western, and north-central KZN (Groenvlei, Luneburg, Utrecht, Newcastle, Vryheid, Louwsburg, Ngome and Nkandla)</i>										
<i>Aloe dominella</i> Reynolds [Taxon 01]	Asphodelaceae Succulent aloe	Vryheid district, northern KZN, through to Nkandla, Middelrus, Mooi River & Bergville districts in western KZN & Sterkfontein Dam on the KZN/eastern Free State border	900–1700	Hilly areas, on steep, rocky slopes & rocky outcrops, in dry open grassland & grassy thornveld in a grassland–savanna transition (GB, GB–SB)	Grows mostly in dolerite-derived soils	June–October	Near Threatened	IB Pole- <i>Evans</i> 37711 PRE	Craib [104]; Klopper et al. [105]	100
<i>Aloe gerstneri</i> Reynolds [Taxon 02]	Asphodelaceae Succulent aloe	Babanango & Nqutu districts, north-central KZN	900–950	Dry rocky hill slopes & outcrops or along stream banks in grassland & grassy thornveld; Northern KZN Moist Grassland & KZN Highland Thornveld (GB)	Grows in quartzite & granite-derived soils	February–March	Endangered	GW Reynolds 2320 BOL	Klopper et al. [105]; Van Wyk and Smith [106]	100

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<i>Aloe hlangapies</i> Groenew. [Taxon 03]	Asphodelaceae Succulent aloe	Southern Mpumalanga (Amsterdam, Volksrust, Wakkerstroom & Piet Retief districts) to northern KZN (Groenvlei, Paulpietersburg, Louwsburg, Vryheid & Ngome districts) & an outlying population in south-western Eswatini	1200–2000	Rocky outcrops in sloping grassland, often near drainage lines and seeps (GB)	Grows in dolerite-derived soils	October–early December	Vulnerable	<i>GW Reynolds</i> 2708 PRE	Craib [104]; Klopper et al. [105]	98
<i>Aloe nicholsii</i> Gideon F.Sm. & N.R.Crouch [Taxon 04]	Asphodelaceae Succulent aloe	Babanango, Eshowe & Nkandla districts, north-central KZN	1200–1300	Open rocky grassland; Northern Zululand Sourveld (GB–SB)	Grows mostly in granite & gneiss-derived soils	January–March	Critically Endangered	<i>NR Crouch</i> 1270 PRE	Klopper et al. [105]; Smith and Crouch [107]	100
<i>Aloe reitzii</i> Reynolds var. <i>vernalis</i> D.S.Hardy [Taxon 05]	Asphodelaceae Succulent aloe	Paulpietersburg & Vryheid districts, northern KZN	900–950	Steep rocky slopes in grassland; KZN Highland Thornveld (GB)	Grows mostly in well-drained granite-derived soils	August–September	Vulnerable	<i>DS Hardy</i> 3589 PRE	Klopper et al. [105]; Hardy and Reid [108]	100
<i>Asparagus fractiflexus</i> (Oberm.) Fellingham & N.L.Mey. [Taxon 06]	Asparagaceae Shrub	Southern Mpumalanga, between Carolina & Badplaas to Ermelo & Wakkerstroom districts	1500–1800	Rocky outcrops or mountain slopes in moist montane grassland; KaNgwane Montane & Wakkerstroom Montane Grasslands (GB)	Grows mostly in dolerite-derived soils	November–February	Endangered	<i>HR Tolken</i> 1116 PRE	Obermeyer and Immelman [109]	99
<i>Aspidoglossum demissum</i> Kupicha [Taxon 07]	Apocynaceae Forb	Southern Mpumalanga (Volksrust & Wakkerstroom districts) to Utrecht district, northern KZN	1900–2200	Rock crevices on mountain summits & mountain slopes; Wakkerstroom Montane & Low	Grows mostly in dolerite-derived soils	December–January	Vulnerable	<i>SP Bester</i> 12950 PRE	Kupicha [110]	100

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				Escarpment Moist Grasslands (GB)						
<i>Aspidoglossum xanthosphaerum</i> Hilliard [Taxon 08]	Apocynaceae Forb	Southern Mpumalanga (Breyten, Ermelo, Volksrust & Wakkerstroom districts) southwards to northern KZN (Groenvlei district)	1600–2000	Marshy areas, floodplains, or moist hillslopes in montane grassland; Wakkerstroom Montane & Eastern Highveld Grasslands (GB)	Grows mostly in dolerite-derived soils	October–December	Vulnerable	OM Hilliard & BL Burt 18528 E	Hilliard and Burt [111]	100
<i>Blepharis subglabra</i> Vollesen [Taxon 09]	Acanthaceae Subshrub	Paulpietersburg & Louwsburg districts, northern KZN	1000–1100	Steep rocky slopes in grassland; Ithala Quartzite Sourveld (GB)	Grows mostly in quartzitic sandstone-derived soils	June	Vulnerable	LEW Codd 4316 BR	Vollesen [112]	100
<i>Bowkeria citrina</i> Thode [Taxon 10]	Stilbaceae Large shrub or small tree	Southern Mpumalanga (Wakkerstroom & Luneburg districts) southwards to northern KZN (Groenvlei & Utrecht districts)	1400–1800	Stream banks, forest & cliff edges on cool slopes; Wakkerstroom Montane Grassland & Northern Afrotemperate Forest (GB–FB)	Grows mostly in dolerite & sandstone-derived soils	January–March	Rare	TJ Edwards 3444 NU	Boon [32]	100
<i>Cephalaria foliosa</i> Compton [Taxon 11]	Dipsacaceae Forb	Vryheid district, northern KZN, to western margins of Eswatini	1000–1500	Wetlands & stream edges in moist montane grassland; KaNgwane Montane & Paulpietersburg Moist Grasslands (GB)	Grows in damp clay soils	March–May	Vulnerable	RH Compton 42056 PRE	Compton [113]	97
<i>Ceropegia antennifera</i> Schltr. [Taxon 12]	Apocynaceae Forb	Newcastle district, north-western KZN	1200–1300	Montane grassland (GB)	Grows in dolerite-derived soils	October	Extinct	R Schlechter 3426 BOL	Scott-Shaw [23]	100

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<i>Ceropegia craibii</i> J.Victor [Taxon 13]	Apocynaceae Forb	Vryheid & Louwsburg districts (Bivane River catchment), northern KZN	800–1000	Short, open grassland on sloping ridges; Ithala Quartzite Sourveld (GB)	Grows in shallow shale-derived soils	December–February	Vulnerable	<i>G Condy 119 PRE</i>	Victor [114]; Craib [115]	100
<i>Ceropegia heidukiae</i> D.Styles & Meve [Taxon 14]	Apocynaceae Forb	Ngome Mtn, northern KZN	1000	Steepish, north-facing hillsides in mistbelt grassland; Northern Zululand Mistbelt Grassland (GB)	Grows in shallow dolerite-derived soils	December	Critically Endangered	<i>DGA Styles & A Heiduk 5884 NU</i>	Styles and Meve [116]	100
<i>Ceropegia ngomensis</i> R.A.Dyer [Taxon 15]	Apocynaceae Forb	Ngome Mtn, northern KZN	1100–1250	Seepage edges of rock sheets in mistbelt grassland; Northern Zululand Mistbelt Grassland (GB)	Grows mostly in shallow dolerite-derived soils	December	Endangered	<i>OM Hilliard & BL Burt 8441 PRE</i>	Dyer [117]	100
<i>Ceropegia remota</i> (R.A.Dyer) Bruyns [Taxon 16]	Apocynaceae Forb	Southern Mpumalanga (Wakkerstroom district) to northern KZN (Paulpietersburg & Utrecht districts)	1600–2250	Rocky outcrops & plateaus in montane grassland; Wakkerstroom Montane Grassland (GB)	Grows in shallow, shale-derived soils	October	Rare	<i>NJ Devenish 914 PRE</i>	Dyer [118]	100
<i>Ceropegia stylesii</i> Heiduk [Taxon 17]	Apocynaceae Forb	Ngome Mtn, northern KZN	820–1300	Sloping, north-facing rocky hillsides; Northern Zululand Mistbelt Grassland (GB)	Grows mostly in shallow dolerite-derived soils	February	Critically Endangered	<i>DGA Styles & A Heiduk 5870 NU</i>	Heiduk [119]	100
<i>Cissus cussonioides</i> Schinz [Taxon 18]	Vitaceae Spreading forb	Amajuba, Bergville, Dannhauser, Elandslaagte, Glencoe, Helpmekaar, Ladysmith, Newcastle, Nqutu, Weenen, Winterton & Utrecht districts, north-western KZN	1000–1900	On rocky hill slopes & hill tops in grassland; Northern KZN Moist & Income Sandy Grasslands & KZN Highland Thornveld (GB)	Grows mostly in dolerite-derived soils	October–January	Least Concern	<i>JM Wood 3593 K</i>	Pooley [31]	100

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<i>Cyrtanthus brachysiphon</i> Hilliard & B.L.Burt [Taxon 19]	Amaryllidaceae Geophyte	Ngotshe Mtn/Louwsburg Plateau, northern KZN	1100–1300	Moist ledges at the base of cliffs near waterfalls & semi-shaded wooded watercourses (GB–SB)	Grows on sandstone cliffs	December–April	Endangered	<i>AB Cunningham</i> s.n. NU	Hilliard and Burt [120]; Duncan et al. [121]	100
<i>Cyrtanthus nutans</i> R.A.Dyer [Taxon 20]	Amaryllidaceae Geophyte	Dundee–Helpmekaar (Vant’s Drift) districts, north-western KZN, with outliers in Barberton & Eswatini	1000–1450	Margins of wetlands near rocks & short grassland on hills; Income Sandy, Northern KZN Moist & Kangwane Montane Grasslands (GB)	Grows mostly in dolerite-derived soils	August–October	Vulnerable	<i>LEW Codd</i> 7041 PRE	Duncan et al. [121]; Ruddle et al. [122]	98
<i>Danthoniopsis scopulorum</i> (J.B.Phipps) J.B.Phipps [Taxon 21]	Poaceae Graminoid	Ngotshe, Ithala Game Reserve, Bivane Dam & Coronation Village, Louwsburg district, northern KZN	700–1100	Cliffs and steep, rocky habitats in open savanna & wooded grasslands (GB–SB)	Grows on sandstone cliffs & sandstone-derived soils	June–October	Data Deficient – Taxon. Problematic	<i>LEW Codd</i> 4314 PRE	Scott-Shaw [23]	100
<i>Dierama erectum</i> Hilliard [Taxon 22]	Iridaceae Geophyte	Mpumalanga/KZN border in the Luneburg district, to Utrecht & Ngome districts, northern KZN	1000–1900	Moist grassy areas along the edges of streams & hill slopes in mistbelt grassland (GB)	Grows mostly in moist dolerite-derived soils	January–March	Endangered	<i>OM Hilliard & BL Burt</i> 9901 NU	Hilliard and Burt [123]	100
<i>Dracosciadium itala</i> Hilliard & B.L.Burt [Taxon 23]	Apiaceae Forb	Southern Mpumalanga (Wakkerstroom district) to northern KZN (Vryheid, Louwsburg/Ngotshe Mtn, Utrecht & Ngome Mtn) as far south as Babanango district	1100–1600	Rocky outcrops & hilltops in mistbelt & montane grasslands; Northern Zululand Mistbelt, Northern Zululand Sourveld, Paulpietersburg Moist & Wakkerstroom Montane Grasslands (GB & GB–SB)	Grows in dolerite-derived soils	December–February	Vulnerable	<i>OM Hilliard & BL Burt</i> 17732 NU	Hilliard and Burt [120]	100

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<i>Encephalartos aemulans</i> Vorster [Taxon 24]	Zamiaceae Cycad	Hlomohlomo district, northern KZN	560–1100	Mostly south-facing sandstone cliffs & steep slopes; Northern Zululand Sourveld (SB)	Grows mostly in shallow sandstone-derived soils	April–early July	Critically Endangered	<i>C Carbutt & IM Johnson</i> 10 of 2023 NU	Vorster [124]	100
<i>Eugenia pusilla</i> N.E.Br. [Taxon 25]	Myrtaceae Geoxylic subshrub	Amsterdam & Ermelo districts, southern Mpumalanga	1100–1250	Kangwane Montane Grassland (GB)	Grows in dolerite-derived soil	November–December	Extinct	<i>MO Forbes</i> 6748 K	Brown [125]; Van Wyk [126]	100
<i>Gladiolus scabridus</i> Goldblatt & J.C.Manning [Taxon 26]	Iridaceae Geophyte	Wakkerstroom, southern Mpumalanga, to Louwsburg district, (Bivane Dam) & Babanango, northern KZN & southern Eswatini	1000–2000	Well-drained rocky hillsides in open woodland & grassland (GB–SB)	Grows mostly in shallow quartzite-derived soils	December–January	Least Concern	<i>NHG Jacobsen</i> 62536 PRE	Saunders and Saunders [127]	100
<i>Helichrysum ingomense</i> Hilliard [Taxon 27]	Asteraceae Forb	Ngome Mtn, Ngome district, northern KZN	1100–1300	Edges of dolerite rock sheets in mistbelt grassland; Northern Zululand Mistbelt Grassland (GB)	Grows mostly in shallow dolerite-derived soils	January	Endangered	<i>OM Hilliard & BL Burtt</i> 5925 K	Hilliard [128]	100
<i>Holothrix majubensis</i> C.& R.H.Archer [Taxon 28]	Orchidaceae Forb	Amajuba Mtn, north-western KZN	2000–2225	Cracks in vertical sandstone cliffs in montane grassland (GB)	Grows in thin sandstone-derived soils	December–January	Rare	<i>C Archer & RH Archer</i> 2063 PRE	Archer and Archer [129]; Johnson and Bytebier [130]	100
<i>Jatropha natalensis</i> Müll.Arg. [Taxon 29]	Euphorbiaceae Forb	Nongoma district, northern KZN, to Colenso, Ladysmith, Masinga, Weenen & Tugela Ferry districts, north-central KZN	950–1200	Grassy valley tickets; KZN Highland Thornveld (GB)	Grows in shale-derived soils	October–December	Least Concern	<i>JM Wood</i> 4243 NH	Scott-Shaw [23]	99
<i>Kniphofia albescens</i> Codd [Taxon 30]	Asphodelaceae Forb	Piet Retief & Ermelo districts, southern Mpumalanga, to Utrecht district, northern KZN. Extends marginally to	1500–2000	Dense grassland on mountain slopes & marshy places (GB)	Grows mostly in dolerite-derived soils	January–March	Least Concern	<i>LEW Codd</i> 3243 PRE	Codd [131]	97

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<i>Lotononis pottiae</i> Burt Davy [Taxon 37]	Fabaceae Shrub	Mavieriestad (Ermelo district) to Volksrust & Piet Retief districts, southern Mpumalanga, to Utrecht & Fort Mistake districts, north-western KZN & Oliviershoek Pass	1500–1900	Hill slopes in montane grassland (GB)	Grows mostly in sandstone-derived soils	July–October	Least Concern	<i>R Pott</i> 5071 K	Van Wyk [132]	99
<i>Melanospermum italae</i> Hilliard [Taxon 38]	Scrophulariaceae Forb	Piet Retief district, southern Mpumalanga, to Louwsburg district (Ngotshe Mtn), northern KZN & western Eswatini	1200–1550	Rocky outcrops & rock sheets in mistbelt grassland; Ithala Quartzite Sourveld, KaNgwane Montane & Northern Zululand Mistbelt Grasslands (GB)	Grows mostly in dolerite-derived soils	November–April	Vulnerable	<i>OM Hilliard & BL Burt</i> 10025 E	Scott-Shaw [23]	98
<i>Moraea graminicola</i> Oberm. subsp. <i>graminicola</i> [Taxon 39]	Iridaceae Geophyte	Ngome, northern KZN, to the KZN Midlands (Bulwer, Impendle, Mooi River, Nottingham Road & Hilton districts) & Drakensberg foothills near Underberg	900–1500	Moist slopes & flats in open grassland (GB)	Grows mostly in dolerite-derived soils	August–November	Near Threatened	<i>EE Galpin</i> 9442 PRE	Goldblatt [133]	100
<i>Nerine platypetala</i> McNeil [Taxon 40]	Amaryllidaceae Geophyte	Volksrust & Wakkerstroom districts, Southern Mpumalanga, to Groenvlei district, northern KZN	1500–2200	Margins of perennial wetlands & riverbanks in montane grassland; Wakkerstroom Montane Grassland (GB)	Grows in heavy mud that remains moist all year	Late January–March	Vulnerable	<i>G McNeil</i> 17 NU	Duncan et al. [121]; McNeil [134];	100
<i>Pachycarpus rostratus</i> N.E.Br. [Taxon 41]	Apocynaceae Forb	Nkandla district, north-central KZN	Unknown	Open moist grassland; Midlands Mistbelt Grassland (GB)	Unknown (probably sandstone-derived soils)	Unknown	Critically Endangered (Possibly Extinct)	<i>Haygarth sub Wood</i> 7543 NH	Smith [135]	100

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<i>Periglossum podoptyches</i> Nicholas & Bester [Taxon 42]	Apocynaceae Forb	Dannhauser & Utrecht districts, north-western KZN	1000–1200	Dry grasslands of level plains & floodplains; Northern KZN Moist & Income Sandy Grasslands (GB)	Grows in rocky, well drained loamy soils	November–January	Vulnerable	<i>SP Bester</i> 10585 PRE	Bester and Nicholas [136]	100
<i>Rhynchosia foliosa</i> Markötter [Taxon 43]	Fabaceae Forb	Oliviershoek Pass, low KZN Drakensberg escarpment, north-western KZN	Unknown	Montane grassland (GB)	Unknown	Unknown	Data Deficient	Untraceable	Markötter [137]	100
<i>Schizochilus gerrardii</i> (Rchb.f.) Bolus [Taxon 44]	Orchidaceae Forb	Ngome Mtn & Louwsburg Plateau (Ngotshe Mtn) southwards to Ceza, northern KZN	1050–1450	Amongst rock outcrops & margins of seepages in shallow soils of mistbelt grassland; Northern Zululand Mistbelt Grassland (GB)	Grows mostly in dolerite & sandstone-derived soils	December–January	Endangered	<i>WT Gerrard</i> 1542 TCD	Johnson and Bytebier [130]; Linder [138]	100
<i>Searsia dracomontana</i> (Moffett) Moffett [Taxon 45]	Anacardiaceae Shrub	Charlestown & Wakkerstroom districts, Southern Mpumalanga, to Van Reenen’s Pass on the Free State/KZN border & Utrecht & Vryheid districts, northern KZN	1500–2200	Rocky outcrops in montane grassland & scrubby edges in forest ecotone (GB)	Grows mostly in dolerite-derived soils	October–January	Near Threatened	<i>JE Burrows & SM Burrows</i> 7988 BNRH	Boon [32]; Moffett [139]	100
<i>Searsia harveyi</i> (Moffett) Moffett [Taxon 46]	Anacardiaceae Shrub	Luneburg district, to Mabaso (near Utrecht), Ithala Game Reserve & Louwsburg district, northern KZN, with outlying records from western Eswatini	800–1600	Rocky outcrops in grassland; Northern Zululand Mistbelt Grassland (GB)	Grows in quartzitic sandstone-derived soils	December–February	Near Threatened	<i>RO Moffett</i> 3043 K	Boon [32]; Moffett [139]	97

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<i>Selago barbula</i> Harv. ex Rolfe [Taxon 47]	Scrophulariaceae Forb	Ngome, Ngoje & Louwsburg districts (Ithala Game Reserve), northern KZN	1100–1400	Rocky outcrops in open grassland; Northern Zululand Mistbelt Grassland (GB)	Grows in dolerite & sandstone-derived soils	January–April	Least Concern	WT Gerrard 1241 K	Scott-Shaw [23]; Hilliard [140]	100
<i>Selago longicalyx</i> Hilliard [Taxon 48]	Scrophulariaceae Forb	Wakkerstroom district, southern Mpumalanga, to Amajuba, Ncandu, Ngome, Utrecht & Vryheid districts, northern & north-western KZN	1100–2000	Rocky grassland near forest margins; Northern Zululand & Wakkerstroom Montane Grasslands (GB)	Grows mostly in dolerite-derived soils	January–May	Least Concern	OM Hilliard & BL Burtt 9841 PRE	Scott-Shaw [23]; Hilliard [140]	100
<i>Selago longipedicellata</i> Rolfe [Taxon 49]	Scrophulariaceae Forb–subshrub	Babanango & Nkandla districts, north-central KZN, to Bryne (Richmond district) in the KZN Midlands, with an outlier near Elliot, Eastern Cape Midlands	900–1800	Hilltops & hillslopes in grassland (GB)	Grows in dolerite & sandstone-derived soils	November–April	Least Concern	JM Wood 3967 K	Scott-Shaw [23]; Hilliard [140]	99
<i>Senecio villifructus</i> Hilliard [Taxon 50]	Asteraceae Forb	Ngotshe Massif (Louwsburg Plateau), Louwsburg district, northern KZN	1000–1300	Grassy slopes & rocky outcrops in mistbelt grassland on mountain plateaus; Northern Zululand Mistbelt Grassland (GB)	Grows mostly in dolerite-derived soils	December–January	Endangered	OM Hilliard & BL Burtt 8530 NU	Scott-Shaw [23]	100
<i>Stenostelma urceolatum</i> Bester & Nicholas [Taxon 51]	Apocynaceae Forb	Newcastle & Vryheid districts, northern KZN	1050–1150	Undulating rocky grasslands (hill slopes & depressions), Income Sandy Grassland (GB)	Grows mostly in dolerite-derived soils	February	Least Concern; Rare	SP Bester 6541 PRE	Bester and Nicholas [141]	100

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<i>Streptocarpus candidus</i> Hilliard [Taxon 52]	Gesneriaceae Epiphytic herb (lithophyte)	Ngotshe & Vryheid districts, mainly at Ngome, Ceza & Nhlazatshe Mtns, northern KZN, possibly an outlying record from Limpopo	950–1400	Cliff faces & damp rocky banks along streams in Mistbelt Forest associated with isolated mountaintops (FB)	Grows mostly on dolerite-derived cliffs & earth banks	November–February	Least Concern	OM Hilliard 863 NU	Scott-Shaw [23]; Hilliard and Burtt [142]	99
<i>Streptocarpus cooperi</i> C.B.Clarke [Taxon 53]	Gesneriaceae Epiphytic herb (lithophyte)	Qudeni, Van Reenen, Dundee & Biggarsberg districts, northern and north-central KZN, with an outlier at Krantzklloof, coastal hinterland	600–1500	Steep earth & rock banks in forest, often near streams (FB)	Grows mostly on dolerite & sandstone-derived substrates	January–April	Least Concern	T Cooper 1033 K	Hilliard and Burtt [142]	99
<i>Streptocarpus daviesii</i> N.E.Br. ex C.B.Clarke [Taxon 54]	Gesneriaceae Epiphytic herb	Ngome, Nkandla, Qudeni & Vryheid districts, northern & north-central KZN, southwards to between Mapumulo & Kranskop, with an outlier in Eswatini	1100–1850	Rock faces & tree trunks in forest (FB)	Grows mostly on dolerite & sandstone-derived substrates	December–March	Least Concern	GW Davies 55 K	Hilliard and Burtt [142]	99
<i>Streptocarpus kunhardtii</i> T.J.Edwards [Taxon 55]	Gesneriaceae Epiphytic herb (lithophyte)	Ithala Game Reserve, Louwsburg district, northern KZN	600–750	South-facing cliffs & kloofs in deep shade near streams & waterfalls (SB)	Grows on sandstone cliffs (Mozaan Group quartz)	December–January	Least Concern	C Carbutt 35 NU	Edwards [143]	100
<i>Syncolostemon aurulentus</i> Ngwenya [Taxon 56]	Lamiaceae Forb–subshrub	Escarpment above Utrecht, Amajuba district, north-western KZN	1650–1900	Rocky grassland & scrub; Wakkerstroom Montane Grassland (GB)	Grows in well-drained, moist sandstone-derived soils	December–January	Rare	AM Ngwenya 4326 NH	Ngwenya [144]	100
<i>Syncolostemon gerrardii</i> (N.E.Br.) D.F.Otieno [Taxon 57]	Lamiaceae Shrub	Piet Retief district, southern Mpumalanga, to Louwsburg, Ngome & Nongoma districts, northern KZN	1000–1300	Rocky grassland in open woodland (SB)	Grows in sandstone-derived soils	November–February	Least Concern	WT Gerrard 1239 K	Codd [145]; Otieno et al. [146]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Thorncroftia greenii</i> Changwe & K.Balkwill [Taxon 58]	Lamiaceae Forb–shrub	Louwsburg (Ngotshe) district, northern KZN	1000–1200	Fissures & cracks of rock outcrops in open woodland; Ithala Quartzite Sourveld (GB–SB)	Grows in quartzitic sandstone-derived soils	March–April	Endangered	<i>Balkwill, Changwe & Green 12202</i> J	Balkwill et al. [147]	100
<i>Xerophyta vallispongolana</i> J.E.Burrows, S.M.Burrows & Behnke [Taxon 59]	Velloziaceae Shrub	Comondale in the Piet Retief district, southern Mpumalanga, to the upper Pongola River Valley, northern KZN	1000–1200	Rocky outcrops in grassland; Paulpietersburg Moist Grassland & Swaziland Sour Bushveld (GB–SB)	Grows mostly in sandstone-derived soils	November–December	Vulnerable	<i>JE Burrows & SM Burrows 6586</i> BNRH	Behnke et al. [148]	100
<i>Zantedeschia valida</i> (Letty) Y.Singh [Taxon 60]	Araceae Tuberous geophyte	Ladysmith & Dundee districts (Biggarsberg & Elandslaagte), north-western KZN	1100–1300	Rocky outcrops, streambanks & wetlands; Northern KZN Moist Grassland (GB)	Grows mostly in dolerite-derived soils	November–March	Vulnerable	<i>CL Letty 492</i> PRE	Singh et al. [149]	100
<i>Group 2: “The Central Group” – Predominantly KZN Midlands, occasionally with outliers to the north and south in KZN</i>										
<i>Acalypha entumenica</i> Prain [Taxon 61]	Euphorbiaceae Forb	Entumeni, Nkandla & Qudeni districts, central KZN	850–1600	Mistbelt & Ngongoni grasslands (GB)	Grows mostly in dolerite-derived soils	November–December	Endangered	<i>J Medley-Wood s.n.</i> NH	Scott-Shaw [23]	100
<i>Afroligusticum wilmsianum</i> (H.Wolff) P.J.D.Winter [Taxon 62]	Apiaceae Forb	Groenvlei district, southern Mpumalanga, to Utrecht district in northern-western KZN & Ngome in northern KZN to Noodsberg & New Hanover districts, KZN Midlands & south to Ixopo, Umzimkulu & Kokstad districts, southern KZN	700–1950	Moist grasslands on hill slopes & scrubby edges of streams; Wakkerstroom Montane, Moist Coast Hinterland & East Griqualand Grasslands (GB)	Grows on sandstone & shale-derived soils (& possibly dolerite)	November–April	Vulnerable	<i>AM Ngwenya 3560</i> NH	Winter et al. [150]	99

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Aloe inconspicua</i> Plowes [Taxon 63]	Asphodelaceae Succulent aloes	Bushman’s River valley, between Estcourt & Weenen, Estcourt district, central KZN	1000–1250	Short dry grass on gently sloping hills in grassland-thornveld (valley bushveld) transition; Thukela Thornveld (GB–SB)	Grows in shale & sandstone-derived soils	Late October–November	Endangered	<i>DCH Plowes 7079</i> PRE	Craib [104]; Klopper et al. [105]; Plowes [151]	100
<i>Aloe mudenensis</i> Reynolds [Taxon 64]	Asphodelaceae Succulent aloes	Tugela River Valley (Kranskop district) & the Bushmans River Valley (Estcourt district) to the Umgeni Valley (Wartburg district) & Karkloof Valley, central KZN Midlands. Outliers in Eswatini	750–1100	Open valley bushveld & thornveld in arid river valleys; KZN Hinterland Thornveld, Thukela Thornveld, Thukela Valley Bushveld (SB)	Grows mostly in shale-derived soils	June–August	Least Concern	<i>GW Reynolds 2029</i> K	Klopper et al. [105]; Reynolds [152]	98
<i>Aloe neilcrouchii</i> R.R.Klopper & Gideon F.Sm. [Taxon 65]	Asphodelaceae Succulent aloes	Karkloof (Mbona & Mt. Gilboa NRs), Blinkwater, Greytown & New Hanover districts, KZN Midlands	900–1700	SE-facing slopes of rocky, hilly grassland; Drakensberg Foothill Moist, Midlands Mistbelt & Mooi River Highland Grasslands (GB)	Grows mostly in dolerite-derived soils	December–January	Endangered	<i>C Carbutt 16 of 2021</i> NU	Klopper et al. [105]; Klopper and Smith [153]	100
<i>Aloe prinslooii</i> I.Verd. & D.S.Hardy [Taxon 66]	Asphodelaceae Succulent aloes	Colenso, Muden & Ladysmith districts in the Tugela River Basin, central KZN Midlands	800–1500	Dense grass understorey of open woodland & sometimes open rocky outcrops; Thukela Valley Bushveld & KwaZulu-Natal Highland Thornveld (GB–SB)	Grows mostly in thin shale-derived soils	June–October	Endangered	<i>DS Hardy 1908</i> K	Klopper et al. [105]	100

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<i>Aloe pruinosa</i> Reynolds [Taxon 67]	Asphodelaceae Succulent aloe	KZN Midlands, in the Pietermaritzburg district (Bisley Valley Nature Reserve) & Ashburton/Lower Mpushini Valley northwards to Mapumulo & the Tugela River Basin near Hillside	650–750	Grows in the shade of bush clumps in closed woodland (GB)	Grows mostly in heavy loam shale-derived soils	February–March	Vulnerable	<i>B Nicholson 38105</i> PRE	Klopper et al. [105]	100
<i>Aloe saundersiae</i> (Reynolds) Reynolds [Taxon 68]	Asphodelaceae Succulent aloe	Nkandla Mtn, with a small population introduced to the rocky grasslands of the adjacent Nkandla Forest Reserve, to Melmoth southwards to Greytown, Noodsberg & Wartburg districts, north-central & central KZN	1000–1300	South-facing slopes & rocky outcrops in short rocky grassland; KZN Sandstone Sourveld & Midlands Mistbelt Grassland (GB)	Grows in quartzitic sandstone-derived soils of the Natal Group	February–March	Endangered	<i>C Carbutt 02 of 2017</i> NU	Craib [104]; Klopper et al. [105]	100
<i>Aloe spectabilis</i> Reynolds [Taxon 69]	Asphodelaceae Succulent aloe	Bushman’s, Mooi & Tugela River valleys, central & north-western KZN	750–1400	Rocky places & open hills in grassland & savanna; Thukela Thornveld, Thukela Valley Bushveld, KZN Highland Thornveld (GB–SB)	Grows mostly in shale & sandstone-derived soils	June–August	Least Concern	<i>GW Reynolds 2033</i> PRE	Klopper et al. [105]; Klopper and Smith [154]	100
<i>Aloe vanrooyenii</i> Gideon F.Sm. & N.R.Crouch [Taxon 70]	Asphodelaceae Succulent aloe	Dundee, Helpmekaar, Colenso, Weenen, Mudén & Middelrus districts, north-western & central KZN	1000–1250	Hilly areas in open grassland & thornveld savanna; Income Sandy Grassland, KwaZulu-Natal Highland Thornveld, Thukela Valley Bushveld (GB–SB)	Grows mostly in shale & sandstone-derived soils	October–November	Least Concern	<i>GW Reynolds 339</i> PRE	Klopper et al. [105]; Smith and Crouch [155]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Argyrobium sericosemium</i> Harms [Taxon 71]	Fabaceae Forb	KZN Midlands (Boston, Mt. Gilboa/Karkloof, Lions River, Fort Nottingham, Mawaqa, Richmond & Weenen districts), extending southwards to Ngeli & Weza districts, East Griqualand & two outlying records from the foothills of the KZN Drakensberg (near Kamberg & Underberg)	1100–1800	Hill slopes & grassy plateaus in montane grassland; Mooi River Highland & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–February	Least Concern	<i>JM Wood</i> 7194 PRE	Edwards [156]	99
<i>Asclepias bicuspis</i> N.E.Br. [Taxon 72]	Apocynaceae Forb	Boston, Dargle, Howick & Rietvlei districts, central KZN Midlands	1200–1500	Annually burnt moist mistbelt grassland; Midlands Mistbelt & Mooi River Highland Grasslands (GB)	Grows mostly in well-drained dolerite-derived soils	October–January	Critically Endangered	<i>EE Galpin</i> 2735 PRE	Scott-Shaw [23]	100
<i>Asclepias concinna</i> (Schltr.) Schltr. [Taxon 73]	Apocynaceae Forb	KZN Midlands, from Hlogoma Mtn (east of Underberg) to Nkonzo State Forest near Donnybrook, southwards to Umgano, southern KZN (possibly to Maclear)	900–1600	Hilly slopes in annually burnt montane grassland; Mooi River Highland, Southern KZN Moist & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–January	Critically Endangered	<i>SM Berruti</i> 409 PRE	Scott-Shaw [23]	100
<i>Asclepias woodii</i> (Schltr.) Schltr. [Taxon 74]	Apocynaceae Forb	KZN Midlands, from Dargle, Howick, Midmar & Karkloof districts further north to Melmoth	900–1600	Moist grasslands; Midlands Mistbelt, Mooi River Highland & Southern KZN Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–January	Vulnerable	<i>C Carbutt</i> 35 of 2021 NU	Scott-Shaw [23]	100
<i>Aspidonepsis flava</i> (N.E.Br.) Nicholas & Goyder	Apocynaceae Forb	Widespread in the KZN Midlands to foothills of the KZN Drakensberg &	600–2000	Annually burnt montane grassland (GB)	Grows mostly in dolerite-derived soils	November–January	Least Concern	<i>W Tyson</i> 1086 K	Nicholas and Goyder [157]	97

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<i>Ceropegia christianeae</i> (Peckover) Bruyns [Taxon 81]	Apocynaceae Forb	Between Nkandla & Melmoth, north-central KZN	850–1300	Rocky outcrops in sandy soil; Midlands Mistbelt Grassland, Moist Coast Hinterland Grassland (GB)	Grows mostly in sandstone-derived soils of the Natal Group	November–March	Vulnerable	AM <i>Ngwenya</i> 4590 NH	Peckover [161]	100
<i>Ceropegia cynniflora</i> R.A.Dyer [Taxon 82]	Apocynaceae Forb	Mooi River Valley near Muden, KZN Midlands	1000–1100	Steep woody hillsides near watercourses in valley thicket; Thukela Valley Bushveld (SB)	Grows mostly in shale-derived soils	January–March	Vulnerable	W. <i>Cronwright</i> 26 PRE	Dyer [162]	100
<i>Ceropegia franksiae</i> subsp. <i>franksiae</i> (N.E.Br.) Bruyns [Taxon 83]	Apocynaceae Forb	Camperdown to Pietermaritzburg districts, KZN Midlands	700–800	Grassland; KZN Hinterland Thornveld, Midlands Mistbelt & Dry Coast Hinterland Grassland (GB–SB)	Grows mostly in shale & sandstone-derived soils	September–November	Vulnerable	TJ Edwards 558 NU	Dyer [163]	100
<i>Ceropegia gilboaensis</i> Heiduk, N.R.Crouch & D.Styles [Taxon 84]	Apocynaceae Forb	Mt. Gilboa & Mbona NRs (Karkloof), Howick district, KZN Midlands	1320–1670	Edges of exposed rock sheets & outcrops, Midlands Mistbelt & Mooi River Highland Grasslands (GB)	Grows in dolerite-derived soils	October–December	Endangered	DGA Styles & A Heiduk 5841 NU	Heiduk et al. [164]	100
<i>Ceropegia modestantha</i> Bruyns [Taxon 85]	Apocynaceae Forb	Nkandla to Noodsberg & Kranskop districts in the KZN Midlands, with outlying records from Waterval Boven (1928) in Mpumalanga & Umzinto (1965) on the KZN South Coast	(300) 900–1200	Shallow soils amongst rocky outcrops in dry sandstone grasslands (GB–IOCB)	Grows mostly in sandstone-derived soils of the Natal Group	October–February	Near Threatened	LEW Codd 6984 PRE	Dyer [163]	98

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<i>Ceropegia petrophila</i> Bruyns [Taxon 86]	Apocynaceae Forb	KZN Midlands (Dargle, Byrne, Boston–Boschberg & Richmond districts) towards the foothills of the southern KZN Drakensberg	1400–2400	Shallow ground bordering rock sheets in moist grassland; Midlands Mistbelt, Mooi River Highland & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–February	Vulnerable	<i>OM Hilliard</i> 5601 PRE	Dyer [165]	100
<i>Cineraria glandulosa</i> Cron [Taxon 87]	Asteraceae Forb	South-central KZN Midlands (Umlazi, Mpendle & New Hanover districts) with an outlying population at Murchison	(630) 1400–1800	Amongst grass & rocks on slopes of river valleys, or at base of cliffs above river gorges; Mooi River Highland, Moist Coast Hinterland & Southern Drakensberg Highland Grasslands (GB)	Grows mostly in dolerite & sandstone-derived soils	March–April	Vulnerable	<i>OM Hilliard & BL Burt</i> 14512 NU	Cron et al. [166]	99
<i>Cineraria grandibracteata</i> Hilliard [Taxon 88]	Asteraceae Forb	Central & southern KZN Midlands through to an outlier in the Barkly East district (north-eastern Cape) & KZN south coast hinterland	(450) 1200–1900	Grows amongst rocky outcrops & boulders in grassland on mountain tops & slopes (GB)	Grows in dolerite & sandstone-derived soils	February–June	Least Concern	<i>OM Hilliard</i> 8095 NU	Cron et al. [166]	98
<i>Combretum stylesii</i> O.Maurin, Jordaan & A.E.van Wyk [Taxon 89]	Combretaceae Climber (liana)–slender tree	Mabhobhane near Mapumulo, Tugela River Basin, eastern KZN Midlands	550–650	Riverbanks, Eastern Valley Bushveld (SB)	Grows in shale-derived soils	October–December	Endangered	<i>DGA Styles</i> 2489 NH	Maurin et al. [167]	100

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<i>Conium fontanum</i> Hilliard & B.L.Burttt var. <i>silvaticum</i> Hilliard & B.L.Burttt	Apiaceae Forb	Bulwer district southwards to Ngeli Mtn & the KZN Midlands (Dargle, Karkloof & Byrne)	900–1525	Tall, coarse vegetation along shaded streams or forest margins in moist grassland (GB)	Grows mostly in dolerite-derived soils	November–February	Least Concern	<i>OM Hilliard & BL Burttt</i> 10542 NU	Hilliard and Burttt [168]	100
[Taxon 90]										
<i>Crotalaria dura</i> J.M.Wood & M.S.Evans subsp. <i>dura</i>	Fabaceae Forb–subshrub	Greytown & Noodsberg in the KZN Midlands to Weza, southern KZN	700–1200	Grassy slopes in moist grassland (GB)	Grows in dolerite & sandstone-derived soils	October–February	Near Threatened	<i>JM Wood</i> 385 PRE	Polhill [169]	99
[Taxon 91]										
<i>Cynorkis compacta</i> (Rchb.f.) Rolfe	Orchidaceae Forb	New Hanover district in the KZN Midlands to between Pietermaritzburg & Durban & Dumisa districts	700–1500	Rocky crevices, cliffs & sandstone outcrops in moist grassland; KZN Sandstone Sourveld, KZN Coastal Belt Grassland (SB–IOCB)	Grows in sandstone-derived soils	August–October	Vulnerable	<i>OM Hilliard</i> 3983 NU	Johnson and Bytebier [130]	99
[Taxon 92]										
<i>Cyrtanthus falcatus</i> R.A.Dyer	Amaryllidaceae Geophyte	KZN Midlands (Estcourt, Nottingham Road & Impendle districts), Drakensberg foothills (Lotheni) to Kokstad district, East Griqualand	1100–1900	Crevices of steep, south-facing cliffs near streams & watercourses in moist montane grasslands (GB)	Grows on dolerite & sandstone cliffs	Late August–November	Rare	<i>RG Strey</i> 7688 PRE	Duncan et al. [121]	99
[Taxon 93]										
<i>Delosperma galpinii</i> L.Bolus	Aizoaceae Succulent forb	Van Reenen’s Pass to the KZN Midlands & southwards to Ngeli Mt., East Griqualand	1000–1800	Rocky outcrops & hill summits (GB)	Grows in dolerite & sandstone-derived soils	November–December	Least Concern	<i>A Nicholas</i> 1715 UDW	New POSA [26]	99
[Taxon 94]										
<i>Delosperma saturatum</i> L.Bolus	Aizoaceae Succulent forb	Vryheid & Louwsburg districts, northern KZN, to Qudeni & central KZN Midlands (Dundee,	1000–1500	Rock sheets in grassland (GB)	Grows in dolerite & sandstone-derived soils	November–March	Least Concern	<i>J Gerstner</i> 21985 BOL	New POSA [26]	100
[Taxon 95]										

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		Greytown & Muden districts)								
<i>Delosperma smythae</i> L.Bolus [Taxon 96]	Aizoaceae Succulent forb	Oliviershoek Pass on the KZN/Free State border to the KZN Midlands (Bulwer, Estcourt & Muden districts), southwards to Ngeli, East Griqualand	1100–1700	Rock sheets in grassland (GB)	Grows in dolerite & sandstone-derived soils	November–March	Least Concern	<i>J Thode 3771</i> PRE	Scott-Shaw [23]	100
<i>Delosperma velutinum</i> L.Bolus [Taxon 97]	Aizoaceae Succulent forb	Nongoma, Muden, Kranskop, Pietermaritzburg (Table Mountain) to Umtwalume districts	800–1300	Rock crevices & ledges of north- & west-facing cliffs, Eastern Valley Bushveld (SB)	Grows on sandstone-derived cliffs	November–May	Data Deficient – Taxon’ly Problematic	<i>DJB Killick 434</i> NU	Lavis [170]	99
<i>Dierama dissimile</i> Hilliard [Taxon 98]	Iridaceae Geophyte	Harrismith district, southwards to KZN Midlands (Estcourt, Mooi River, Dargle, Lions River, Fort Nottingham & Bulwer districts), towards foothills of the KZN Drakensberg & southwards to Elliot & Cala districts, Eastern Cape	1400–1900	Sloping grasslands; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows in dolerite & sandstone-derived soils	October–January	Least Concern	<i>OM Hilliard & BL Burt</i> 13388 NU	Hilliard and Burt [123]	98
<i>Dierama dubium</i> N.E.Br. [Taxon 99]	Iridaceae Geophyte	Northern KZN Midlands from Melmoth, Nkandla, Babanango to Mapumulo & Kranskop districts & NE KZN coastal hinterland	900–1500	Grassland; Northern Zululand Sourveld, Midlands Mistbelt Grassland & Moist Coast Hinterland Grassland (GB–SB)	Grows mostly in sandstone-derived soils	August–January	Vulnerable	<i>R Williams 1234</i> NH	Hilliard and Burt [123]	99
<i>Dierama floriferum</i> Hilliard [Taxon 100]	Iridaceae Geophyte	Southern Mpumalanga, KZN Midlands to NE Eastern Cape	800–1600	Gently sloping moist grassland (GB)	Grows mostly in dolerite-derived soils	September–January	Least Concern	<i>C Carbutt 06 of 2022</i> NU	Hilliard and Burt [123]	99

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<i>Dierama luteoalbidum</i> I.Verd. [Taxon 101]	Iridaceae Geophyte	KZN Midlands, from Nottingham Road, Dargle, Karkloof, Blinkwater & Lake Merthley	1100–1700	Open, moist grassland; Midlands Mistbelt & Mooi River Highland Grasslands (GB)	Grows in deep dolerite-derived soils	October–January	Vulnerable	<i>C Carbutt & JD Craigie 01 of 2019</i> NU	Hilliard and Burttt [123]	100
<i>Dierama nixonianum</i> Hilliard [Taxon 102]	Iridaceae Geophyte	Wakkerstroom & Groenvlei districts, southern Mpumalanga, to the KZN Midlands (Mapumulo, New Hanover, Noodsberg, Karkloof/Mt. Gilboa & Hilton districts)	800–1800	Open, moist grassland; Midlands Mistbelt, Mooi River Highland, Moist Coast Hinterland & Paulpietersburg Moist Grasslands (GB)	Grows in dolerite & sandstone-derived soils	Late August–October	Vulnerable	<i>C Carbutt 07 of 2022</i> NU	Hilliard and Burttt [123]	100
<i>Dierama pumilum</i> N.E.Br. [Taxon 103]	Iridaceae Geophyte	Ngome to Nkandla, Noodsberg & New Hanover districts (northern & central KZN Midlands)	900–1200	Rocky grassland; Northern Zululand Mistbelt Grassland & KZN Sandstone Sourveld (GB–SB)	Grows in dolerite & sandstone-derived soils	December–February	Vulnerable	<i>OM Hilliard & BL Burttt 16308</i> K	Hilliard and Burttt [123]	100
<i>Dierama reynoldsii</i> I.Verd. [Taxon 104]	Iridaceae Geophyte	KZN Midlands (Mooi River, Howick, Harding, Impendle, Donnybrook, Ixopo districts), coastwards to Umzinto & southwards to East Griqualand & EC Midlands (Maclear, Ugie, Engcobo & Mt. Frere)	850–1600	Sloping grasslands; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	November–February	Least Concern	<i>C Carbutt 02 of 2019</i> NU	Hilliard and Burttt [123]	97
<i>Emplectanthus gerrardii</i> N.E.Br. [Taxon 105]	Apocynaceae Climber (twiner)	Qudeni to central KZN Midlands (Karkloof, Blinkwater & Richmond districts), southwards to Ngeli, southern KZN	850–1700	Shaded forest canopy & understorey in forest, often near streams; Southern Mistbelt Forest (FB)	Grows mostly in dolerite-derived soils	December–January	Vulnerable	<i>WT Gerrard 2167</i> K	Meve [171]	100

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<i>Encephalartos cerinus</i> Lavranos & D.L.Goode [Taxon 106]	Zamiaceae Cycad	Buffalo River Gorge, Tugela Ferry district, central KZN	850–950	Dry, hot, east-facing cliff faces in rocky grassy savanna; Thukela Valley Bushveld (SB)	Grows mostly on sandstone cliffs	February	Critically Endangered	<i>D Goode</i> 4 NH	Lavranos and Goode [172]	100
<i>Encephalartos msinganus</i> Vorster [Taxon 107]	Zamiaceae Cycad	Msinga Mtn, Tugela Ferry district, central KZN	900–1200	Cliff faces & steep rocky, wooded north-facing slopes; KZN Highland Thornveld (GB)	Grows mostly on sandstone cliffs	February–April	Critically Endangered	<i>P Vorster</i> 2949a PRE	Vorster [173]; Vorster [174]	100
<i>Erica psittacina</i> E.G.H.Oliv. & I.M.Oliv. [Taxon 108]	Ericaceae Shrub	Hlabeni Mtn, Creighton district, KZN Midlands	1600–1700	Steep southeast-facing slopes below summit ridge, in dense shrubby vegetation close to forest margins; interface of Drakensberg Foothill Moist Grassland & Southern Mistbelt Forest (GB–FB)	Grows in dolerite-derived soils	January–February	Endangered	<i>EGH Oliver & RC Turner</i> 12167 NBG	Oliver and Oliver [175]	100
<i>Euphorbia pseudocactus</i> A.Berger [Taxon 109]	Euphorbiaceae Succulent shrub	Greytown, Keate’s Drift, Kranskop, Muden (Mooi River Valley) & Weenen districts, central KZN	750–950	Dry rocky areas of thicket & open woodland; Thukela Valley Bushveld (SB)	Grows mostly in eroded shale-derived soils	July–August	Least Concern	<i>JPH Acocks</i> 10528 PRE	Scott-Shaw [23]; Pooley [31]	100
<i>Fanninia caloglossa</i> Harv. [Taxon 110]	Apocynaceae Forb	Ngome, northern KZN, to KZN Midlands (Byrne & Karkloof districts) to Umgano, southern KZN, Drakensberg foothills & NE Eastern Cape (to Hogsback)	750–2500	Mistbelt & montane grassland (GB)	Grows mostly in dolerite-derived soils	November–January	Least Concern	<i>OM Hilliard & BL Burt</i> 7837 NU	Scott-Shaw [23]; Nicholas [176]	97

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Gasteria tukhelensis</i> Van Jaarsv. [Taxon 111]	Asphodelaceae Succulent forb	Lower Tugela River Basin, Kranskop district, central KZN	450–550	Southwest-facing cliff faces in Thukela Valley Bushveld (SB)	Grows on shale-derived cliff faces	December–March	Rare	<i>EJ Van Jaarsveld</i> 17996 NBG	Van Jaarsveld and Van Wyk [177]	100
<i>Geranium natalense</i> Hilliard & B.L.Burt [Taxon 112]	Geraniaceae Forb	KZN Midlands (Nottingham Road, Balgowan to Byrne, Karkloof & Greytown districts) & southern KZN Drakensberg foothills	1100–1600	Grassy margins of small wetlands & streams; Midlands Mistbelt, Southern KZN Moist & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived gleyic soils	November–April	Vulnerable	<i>BD Schrire</i> 2239 NU	Hilliard and Burt [178]	100
<i>Gerbera aurantiaca</i> Sch.Bip. [Taxon 113]	Asteraceae Forb	KZN Midlands northwards to southern Mpumalanga (Badplaas & Carolina districts)	900–1800	Moist grassland; Midlands Mistbelt, Northern Zululand Mistbelt, KaNgwane Montane, Paulpietersburg Moist & Wakkerstroom Montane Grasslands (GB)	Grows mostly in well-drained dolerite-derived soils	September–December	Endangered	<i>C Carbutt</i> 20 of 2017 NU	Scott-Shaw [23]	98
<i>Gerbera sylvicola</i> I.M.Johnson, N.R.Crouch & T.J.Edwards [Taxon 114]	Asteraceae Forb	Known from three forests in north-central KZN (Kranskop, Nkandla & Ilembe districts)	(500) 800–1100	Southeast-facing slopes near streams & amongst boulders in forest understory; Southern Mistbelt & Scarp Forests (FB)	Grows in sandstone-derived soils of the Natal Group	September–January	Least Concern	<i>IM Johnson & NR Crouch</i> 1342 NU	Johnson et al. [179]	100
<i>Gymnosporia devenishii</i> Jordaan [Taxon 115]	Celastraceae Shrub–small tree	Wakkerstroom, southern Mpumalanga, to Luneburg, Utrecht, Pongola Bush & Ncandu districts to KZN Midlands (Greytown, Kranskop & Donnybrook	800–2000	Forest understorey & forest margins of mistbelt & montane forests (FB)	Grows in dolerite & sandstone-derived soils	December–April	Rare	<i>NJ Devenish</i> 1579 PRE	Boon [32]; Jordaan and Van Wyk [180]	99

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		districts), southwards to Underberg & Ngeli & Mt. Frere & Mt. Ayloff								
<i>Gymnosporia macrocarpa</i> Jordaan [Taxon 116]	Celastraceae Shrub–small tree	Greytown, Keate’s Drift, Muden (Mooi River Valley) & Weenen districts, Tugela River Basin, central KZN	750–1500	Dry thornveld & valley bushveld; Thukela Valley Bushveld (SB)	Grows mostly in shale-derived soils	September–February	Least Concern	<i>S Venter</i> 1839 PRE	Boon [32]; Jordaan and Van Wyk [180]	100
<i>Helichrysum argentissimum</i> J.M.Wood [Taxon 117]	Asteraceae Forb	Bergville district southwards to KZN Midlands (Estcourt, Lions River, New Hanover & Umvoti districts), southwards to Mt. Currie (East Griqualand) & Mt. Insizwa & Mt. Tabankulu)	900–2300	Rocky grass slopes, sandstone cliffs & platforms (GB)	Grows mostly in sandstone-derived soils	September–March	Least Concern	<i>OM Hilliard & BL Burt</i> 7319 NU	Hilliard [128]	99
<i>Helichrysum citricephalum</i> Hilliard & B.L.Burt [Taxon 118]	Asteraceae Shrub	Ixopo district, KZN Midlands, between Ixopo & Umzimkulu	1050–1150	Course scrub in forest-grassland ecotone & along drainage lines; Midlands Mistbelt Grassland (GB)	Grows in dolerite-derived soils	February–March	Critically Endangered	<i>C Carbutt</i> 26 of 2021 NU	Hilliard [128]; Carbutt [181]	100
<i>Helichrysum ephelos</i> Hilliard [Taxon 119]	Asteraceae Forb	Southern Mpumalanga, to KZN Midlands (Fort Nottingham, Lions River & Mpendle districts) to northern Eastern Cape (Mt. Insizwa & Mt. Ayloff)	1600–2200	Edges of wetlands & marshy areas around the headwaters of streams (GB)	Grows mostly in dolerite-derived soils	February–May	Rare	<i>OM Hilliard & BL Burt</i> 10329 NU	Hilliard [128]	98
<i>Helichrysum haygarthii</i> Bolus [Taxon 120]	Asteraceae Subshrub	Rensburg’s Kop & Van Reenen’s Pass, low Drakensberg escarpment on the Free State/KZN border	1980–2225	Grows on weathered basalt cliffs; Basotho Montane Shrubland, uKhahlamba Basalt Grassland, Low	Grows in shallow, basalt-derived soils	December–February	Rare	<i>OM Hilliard</i> 4986 NU	Hilliard [128]	100

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				Escarpment Moist Grassland (GB)						
<i>Helichrysum inornatum</i> Hilliard & B.L.Burt [Taxon 121]	Asteraceae Forb	KZN Midlands (Impendle district), southwards to Ngeli Mtn (East Griqualand) & towards Drakensberg foothills near Underberg	1800–2100	Damp montane grassland, often on steep slopes (GB)	Grows mostly in dolerite-derived soils	December–January	Least Concern	<i>OM Hilliard & BL Burt</i> 7888 NU	Hilliard [128]	99
<i>Helichrysum oligopappum</i> Bolus [Taxon 122]	Asteraceae Forb	KZN Midlands (New Hanover, Noodsberg, Karkloof, Lions River, Mooi River & Mpendle districts)	900–1800	Rocky grassland; Midlands Mistbelt, Mooi River Highland & Moist Coast Hinterland Grasslands (GB)	Grows in dolerite & sandstone-derived soils	February–April	Vulnerable	<i>JM Wood</i> 4142 NH	Hilliard [128]	100
<i>Helichrysum petraeum</i> Hilliard [Taxon 123]	Asteraceae Forb	Nkandla district to Dargle, Mpendhle, Byrne & Richmond districts, KZN Midlands, with a northern outlier in Mbabane district, Eswatini	1400–1700	Edges & crevices of damp rock sheets in grassland (GB)	Grows in thin dolerite & sandstone-derived soils	March–April	Least Concern	<i>OM Hilliard</i> 8092 NU	Hilliard [128]	99
<i>Hermannia sandersonii</i> Harv. [Taxon 124]	Malvaceae Subshrub	Louwsburg & Vryheid districts, northern KZN, to the KZN Midlands (New Hanover, Noodsberg, Umvoti & Pietermaritzburg (Table Mtn & Thornville) districts & towards coastal hinterland (Hammarisdale, Inchanga & Shongweni)	600–1400	Rocky grassland on hill slopes (GB–SB)	Grows in sandstone-derived soils	September–March	Vulnerable	<i>CH Stirton</i> 5441 K	Pooley [31]	100
<i>Huttonaea fimbriata</i> (Harv.) Rchb.f. [Taxon 125]	Orchidaceae Forb	Luneburg district, northern KZN, throughout the KZN Midlands (Dargle, Donnybrook, Hlabeni) &	1200–2000	Understory of cool mistbelt & montane forests (FB)	Grows in dolerite & sandstone-derived soils	January–March	Least Concern	<i>JM Wood</i> 5555 NH	Johnson and Bytebier [130]	97

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		foothills of the KZN Drakensberg to Kokstad in southern KZN & Nqadu in Eastern Cape								
<i>Huttonaea woodii</i> Schltr. [Taxon 126]	Orchidaceae Forb	KZN Midlands to Drakensberg foothills	1200–2100	Damp, marshy grassland; Midlands Mistbelt Grassland, uKhahlamba Basalt Grassland (GB)	Grows in dolerite & basalt-derived soils	January–February	Vulnerable	WR Trauseld 979 NU	Johnson and Bytebier [130]	99
<i>Indigofera krookii</i> Schltr. ex Zahlbr. [Taxon 127]	Fabaceae Forb	Babanango district, northern KZN, to Estcourt, Mooi River & Ixopo districts, southwards to Mt. Currie, East Griqualand, southern KZN	1000–1700	Rocky outcrops in grassland (GB)	Grows mostly in dolerite-derived soils	December–February	Least Concern	JM Wood 3523 BOL	Schlechter [182]	100
<i>Indigofera woodii</i> Bolus var. <i>laxa</i> Bolus [Taxon 128]	Fabaceae Forb–subshrub	Babanango district, northern KZN, to Colenso district, KZN Midlands, towards the coastal hinterland (Hammarisdale & Inanda districts)	600–1100	Rocky hill slopes in grassland (GB)	Grows mostly in sandstone derived soils	November–March	Least Concern	JM Wood 974 K	Pooley [31]	100
<i>Justicia natalensis</i> (Nees) T.Anderson [Taxon 129]	Acanthaceae Forb	KZN Midlands (Howick, Ixopo, Richmond & Pietermaritzburg districts) towards the coastal hinterland (Inchanga & Inanda districts)	500–1200	Mistbelt & ngongoni grasslands (GB–SB)	Grows in dolerite & sandstone-derived soils	September–December	Least Concern	CFF Krauss 453 M	Scott-Shaw [23]	100
<i>Kalanchoe longiflora</i> Schltr. ex J.M.Wood [Taxon 130]	Crassulaceae Succulent shrub	Tugela Ferry to Muden districts, Tugela River Basin, central KZN	800–1100	Cliff-dweller on rock faces & rocky slopes; Thukela Valley Bushveld (SB)	Grows in shale-derived soils	April–June	Vulnerable	JM Wood 4439 NH	Tölken [183]	100

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<i>Kniphofia albomontana</i> Baijnath [Taxon 131]	Asphodelaceae Forb	Central KZN Midlands (Greytown, Balgowan & Estcourt districts- Ntabamhlope) to Rensburg’s Kop & Van Reenen's Pass, to the KZN & EC Drakensberg foothills	900–2000	Wet grassy seeps in grassland (GB)	Grows mostly in sandstone derived soils	January– March	Least Concern	<i>H Baijnath 1876</i> UDW	Baijnath [184]	97
<i>Kniphofia brachystachya</i> (Zahlbr.) Codd [Taxon 132]	Asphodelaceae Forb	Central KZN Midlands (Lidgetton, Fort Nottingham, Mooi River & Nottingham Road districts), to the foothills of the Drakensberg & southwards to Ntsikeni & Ngeli (East Griqualand) & Eastern Cape midlands (Ugie & Mt. Insizwa)	1200–2400	Montane grassland (GB)	Grows mostly in dolerite-derived soils	November– January	Least Concern	<i>WJ Haygarth 12062</i> NH	Codd [131]	98
<i>Kniphofia breviflora</i> Baker [Taxon 133]	Asphodelaceae Forb	NW KZN (Newcastle & Glencoe districts), KZN/Free State border (Rensburg’s Kop & Oliviershoek), central KZN Midlands (Nottingham Road & Umvoti districts) & towards the KZN Drakensberg	1000–2200	Montane grassland in wetlands & hillsides (GB)	Grows in dolerite & sandstone-derived soils	October– March	Least Concern	<i>FRR Schlechter 6940</i> PRE	Codd [131]	98
<i>Kniphofia buchananii</i> Baker [Taxon 134]	Asphodelaceae Forb	Babanango, Nkandla & Helpmekaar districts, north-central KZN, to KZN Midlands (Boston, Currys Post, Greytown, Hilton, Howick, Karkloof, Lions River, Noodsberg &	600–1500	Rocky grassy slopes, outcrops & hilltops in moist grassland; Midlands Mistbelt Grassland & KZN Sandstone Sourveld (GB–SB)	Grows in dolerite & sandstone-derived soils	(October) February– March	Least Concern	<i>C Carbutt 28 of 2017</i> NU	Scott-Shaw [23]; Codd [131]	99

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		Richmond districts) & Alverston, Cato Ridge, Dumisa & Ndwedwe (coastal hinterland)								
<i>Kniphofia ichopensis</i> Schinz var. <i>aciformis</i> Codd [Taxon 135]	Asphodelaceae Forb	South-western KZN Midlands from Mahwaqa Mtn southwards to Umgano (near Ntsikeni) & westwards to the Kamberg district	1475–2050	South-facing, steep rocky slopes; Drakensberg Foothill Moist Grassland & Mooi River Highland Grassland (GB)	Grows in dolerite & sandstone-derived soils	November	Data Deficient (should be Vulnerable)	<i>C Carbutt & JD Craigie 04 of 2011</i> NU	Carbutt [41]; Codd [131]	100
<i>Kniphofia ichopensis</i> Schinz var. <i>ichopensis</i> [Taxon 136]	Asphodelaceae Forb	Central KZN Midlands (Balgowan, Creighton, Donnybrook, Estcourt, Greytown, Ixopo & Nottingham Road districts) up to the foothills of the KZN Drakensberg	1000–1800	Moist grassland & wetlands; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	December–March	Least Concern	<i>LEW Codd 10651</i> PRE	Codd [131]	98
<i>Kniphofia latifolia</i> Codd [Taxon 137]	Asphodelaceae Forb	Central KZN Midlands, from Albert Falls, Greytown (Umvoti), New Hanover & Karkloof districts	800–1620	Grassy slopes, streambanks & riverbanks, usually in moist depressions or at the edges of wetlands; Midlands Mistbelt, Mooi River Highland & Moist Coast Hinterland Grasslands (GB)	Grows in dolerite-derived soils	October–November	Endangered	<i>C Carbutt 34 of 2021</i> NU	Codd [131]	100

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<i>Ledebouria ovatifolia</i> (Baker) Jessop subsp. <i>scabrida</i> N.R.Crouch & T.J.Edwards [Taxon 138] (Includes <i>Ledebouria pustulata</i> S.Venter – taxonomically problematic)	Hyacinthaceae Geophyte	Mdumbeni River Valley near Muden, to Greytown–Rietvlei & Nambithi, central KZN	1000–1300	East- & south-facing hillslopes & hill summits amongst boulders in thornveld savanna; Thukela Thornveld (SB)	Grows mostly in thin, dolerite-derived soils	September	Vulnerable	<i>TJ Edwards & NR Crouch</i> 3260 NU	Crouch et al. [185]	100
<i>Leobordea sutherlandii</i> (Dümmer) B.-E.van Wyk & Boatwr. [Taxon 139]	Fabaceae Forb	Pietermaritzburg district, central KZN Midlands	750–850	Rank moist grassland (GB)	Grows in colluvial soils	March	Data Deficient–Taxon’ly Problematic	<i>OM Hilliard</i> 3886 NU	Van Wyk [132]; Boatright et al. [186]	100
<i>Lotononis virgata</i> B.-E.van Wyk [Taxon 140]	Fabaceae Subshrub	Estcourt district to Mahwaqa Mtn (Bulwer district), south-western KZN Midlands	1600–1900	Streambanks & rocky outcrops; Mooi River Highland & Drakensberg Foothill Moist Grasslands (GB)	Grows in dolerite-derived soils	January–March	Vulnerable	<i>WR Trauseld</i> 720 PRE	Van Wyk [132]	100
<i>Macrotyloma coddii</i> Verdc. [Taxon 141]	Fabaceae Forb	Kranskop, Greytown (Umvoti), Mapumulo & Noodsberg districts, central KZN	1000–1200	Rocky grasslands on steep hillslopes; Midlands Mistbelt Grassland, Ngongoni Grassland & KZN Sandstone Sourveld (GB–SB)	Grows in sandstone & dolerite-derived soils	November–March	Vulnerable	<i>LEW Codd</i> 10200 PRE	Verdcourt [187]	100
<i>Manulea florifera</i> Hilliard & B.L.Burt [Taxon 142]	Scrophulariaceae Forb	Central KZN Midlands (Nottingham Road, Kamberg, Mawaqa/ Bulwer & Mt. Gilboa districts) &	1200–2200	Damp or marshy montane grassland on hillslopes; Mooi River Highland,	Grows mostly in dolerite-derived soils	December–April	Near Threatened	<i>OM Hilliard & BL Burt</i> 11251 NU	Hilliard [140]	100

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		southern KZN (Ntsikeni & Mt. Currie districts)		Drakensberg Foothill Moist & East Griqualand Grasslands (GB)						
<i>Miraglossum pilosum</i> (Schltr.) Kupicha [Taxon 143]	Apocynaceae Forb	KZN Midlands (Dargle, Lions River, Rietvlei, Impendle & Howick districts), south to Ngeli, southern KZN & Ntabamkulu, EC	900–1800	Moist sloping grasslands; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–January	Least Concern	<i>SP Bester 11791</i> PRE	Scott-Shaw [23]	97
<i>Miraglossum verticillare</i> (Schltr.) Kupicha [Taxon 144]	Apocynaceae Forb	Ngome district, northern KZN, to KZN Midlands (Boston, Greytown, Lions River & Rietvlei districts), extending towards foothills of KZN Drakensberg & eastwards towards Inanda, KZN coastal hinterland. Southern outlier recorded from Queenstown district, Eastern Cape	650–1500	Moist sloping grasslands (GB)	Grows in dolerite & sandstone-derived soils	November–February	Least Concern	<i>WT Gerrard 1307</i> K	Scott-Shaw [23]	99
<i>Moraea graminicola</i> Oberm. subsp. <i>graminicola</i> [Taxon 145]	Iridaceae Geophyte	Central KZN Midlands (Hilton, Bulwer, Dargle, Mpendle, Nottingham Road & Mooi River districts), westwards to Underberg & a northern outlier at Ngome & southwards to Ngeli	900–1750	Open, moist grassland; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly on dolerite-derived soils	August–November	Near Threatened	<i>EE Galpin 9442</i> PRE	Goldblatt [133]; Goldblatt [188]	100
<i>Moraea hiemalis</i> Goldblatt [Taxon 146]	Iridaceae Geophyte	Central KZN Midlands (Hilton, Balgowan, Bulwer, Dargle, Mpendle, Nottingham Road, Mooi	900–1600	Open, moist grassland; Midlands Mistbelt &	Grows mostly on dolerite-derived soils	July–August	Vulnerable	<i>C. Carbutt 31 of 2021</i> NU	Goldblatt [133]; Goldblatt [188]	100

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		River & Richmond districts) westwards to Underberg		Drakensberg Foothill Moist Grasslands (GB)						
<i>Moraea unibracteata</i> Goldblatt [Taxon 147]	Iridaceae Geophyte	Central KZN Midlands (Mpendle, Nottingham Road & Mooi River districts), westwards to central KZN Drakensberg foothills & eastwards to Inanda	600–2000	Open, moist grassland on hillslopes; Midlands Mistbelt, Mooi River Highland & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–November	Vulnerable	<i>EE Galpin</i> 9457 PRE	Goldblatt [133]; Goldblatt [188]	98
<i>Nemesia silvatica</i> Hilliard [Taxon 148]	Scrophulariaceae Subshrub	Dundee district (Biggarsberg) to KZN Midlands (Boston, Bulwer, Byrne, Estcourt, Greytown, Karkloof, Impendle & Nottingham Road districts), southwards to Swartberg & Weza districts) & towards foothills of the KZN Drakensberg with an outlier in the Amathole Mtns, EC	1000–2000	Rocky outcrops, slopes & cliffs in moist grasslands & forest edges (GB–FB)	Grows mostly in dolerite-derived soils	December–April	Least Concern	<i>OM Hilliard</i> 18297 K	Hilliard [140]	98
<i>Nerine pancratioides</i> Baker [Taxon 149]	Amaryllidaceae Geophyte	Central KZN Midlands (Dundee, Estcourt, Greytown, Karkloof, Lidgetton, Mt West & Nottingham Road districts), to Ntsikeni in the south & west towards the foothills of the central KZN Drakensberg)	1200–1830	Along stream banks of grassy wetlands & seepage areas on east- & south-east facing hillsides (GB)	Grows mostly in dolerite-derived soils	February–April	Near Threatened	<i>JM Wood</i> 4311 NH	Norris [189]; Duncan et al. [121]	99

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<i>Orbea woodii</i> (N.E.Br.) L.C.Leach [Taxon 150]	Apocynaceae Succulent forb	Middle reaches of the Tugela River Basin in central KZN (Colenso, Estcourt, Helpmekaar, Muden & Weenen districts)	700–1200	Valley thicket, dry woodland & savanna, on gentle slopes; Thukela Thornveld, Thukela Valley Bushveld, KZN Highland Thornveld (SB–GB)	Grows in shale-derived soils with doleritic outcrops	November– April	Vulnerable	<i>West 1531</i> PRE	Pooley [31]; Bruyns [190]	100
<i>Osteospermum attenuatum</i> Hilliard & B.L.Burt [Taxon 151]	Asteraceae Forb	KZN Midlands from Mt. Gilboa/Karkloof (C. Carbutt pers. observ.), southwards to Ntsikeni & Drakensberg foothills (not a “Drakensberg endemic” as suggested)	1500–2300	Short, open rocky grassland (GB)	Grows mostly in dolerite- derived soils	November– January	Rare	<i>OM Hilliard & BL Burt</i> 15726 NU	Hilliard and Burt [191]	98
<i>Pachycarpus acidostelma</i> M.Glen & Nicholas [Taxon 152]	Apocynaceae Forb	Farm Mournapea, Highflats (Ixopo district), central KZN Midlands	860–980	Moist grassland on hillslopes; KZN Sandstone Sourveld– Midlands Mistbelt Grassland transition zone (SB–GB)	Grows mostly in sandstone- derived soils	November– February	Critically Endangered	<i>C Carbutt 25 of 2016</i> PRE	Glen et al. [192]	100
<i>Pachycarpus natalensis</i> N.E.Br. [Taxon 153]	Apocynaceae Forb	Greytown, Mooi River, Nottingham Road, Boston, Lions River, Cedara, Hilton, Currys Post, Ixopo & Richmond districts, KZN Midlands, eastwards to Cato Ridge & Inanda & southwards to Flagstaff & Elliot districts, EC	650–1700	Rocky grassland on hill slopes & hill tops (GB)	Grows in dolerite & sandstone- derived soils	October– December	Least Concern	<i>C Carbutt 09 of 2019</i> NU	Scott-Shaw [23]	97

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Pearsonia grandifolia</i> (Bolus) Polhill subsp. <i>grandifolia</i> [Taxon 154]	Fabaceae Prostrate forb	Wakkerstroom district, southern Mpumalanga, to northern KZN (Louwsburg, Ngome, Newcastle, Paulpietersburg & Utrecht districts) & Van Reenen's Pass, to KZN Midlands (Bulwer, Curry's Post, Greytown, Mpendle & Nottingham Road districts), southwards to Ngeli & Weza districts, East Griqualand	700–1800	Rocky outcrops & hillslopes in moist grassland (GB)	Grows mostly in dolerite-derived soils	November–February	Least Concern	<i>JM Wood</i> 5152 BOL	Pooley [31]	100
<i>Plectranthus rehmannii</i> Gürke [Taxon 155]	Lamiaceae Shrub	Boston, Karkloof, York & New Hanover districts, southwards to Swartkop Mtn near Hilton, central KZN Midlands	850–1200	Scrubby forest ecotones & streambanks in Mistbelt Forest (FB)	Grows mostly in dolerite-derived soils	February–June	Least Concern	<i>LEW Codd</i> 8587A PRE	Van Jaarsveld [193]	100
<i>Polygala praticola</i> Chodat [Taxon 156]	Polygalaceae Forb	North-western KZN (Utrecht & Newcastle districts), southwards to KZN Midlands (Impendle, Boston & Hermannsburg districts) as far south as Dumisa & westwards to the foothills of the northern KZN Drakensberg	750–1700	Moist mistbelt & montane grasslands on hillslopes; Midlands Mistbelt, Northern KZN Moist, Moist Coast Hinterland & Wakkerstroom Montane Grasslands (GB)	Grows in dolerite & sandstone-derived soils	October–January	Vulnerable	<i>JW Bews</i> 1492 NU	Scott-Shaw [23]	99
<i>Phymaspermum pinatifidum</i> (Oliv.) Källersjö	Asteraceae Shrub	Mapumulo, Pietermaritzburg, Noodsberg, New Hanover & Table Mtn districts, central	500–950	Open sandstone grasslands; KZN Sandstone Sourveld, Moist Coast	Grows in sandstone-derived soils	August–October	Vulnerable	<i>OM Hilliard</i> 3986 NU	Ruiters et al. [194]	97

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
		southwards to Ngeli district, East Griqualand, & Mt Ayliff & Baziya Mtn, EC								
<i>Senecio byrnensis</i> Hilliard [Taxon 163]	Asteraceae Forb	Byrne, Richmond district, extending northwards to Qudeni & Ncandu (Newcastle) districts & a southern outlier at Baziya Mtn, EC	1100–1800	Partly shaded, damp sites in forest–grassland ecotones & grassy slopes & hilltops above forest patches (FB–GB)	Grows in dolerite-derived soils	February–April	Least Concern	<i>OM Hilliard 8086</i> NU	Hilliard [195]	100
<i>Senecio exuberans</i> R.A.Dyer [Taxon 164]	Asteraceae Forb	Hilton & Pietermaritzburg districts, KZN Midlands, to Cato Ridge & Hammarsdale districts, towards Drummond, southwards to Mid Illovo	750–1000	Mostly sandstone grasslands; KZN Sandstone Sourveld, Moist Coast Hinterland, Dry Coast Hinterland & Midlands Mistbelt Grasslands (SB–GB)	Grows in dolerite & sandstone-derived soils	December–January	Endangered	<i>RA Dyer 4116</i> PRE	Hilliard [128]	100
<i>Senecio hirsutilobus</i> Hilliard [Taxon 165]	Asteraceae Forb	Impendle, Lions River & Ixopo districts, KZN Midlands, towards the foothills of the KZN Drakensberg & southwards to East Griqualand (Ngeli Mtn) & Mt. Engcobo, EC	1200–1800	Moist grassland on gentle to steep hillslopes (GB)	Grows in dolerite & sandstone-derived soils	November–January	Least Concern	<i>C Carbutt & JD Craigie 05 of 2011</i> PRE	Hilliard [128]	98
<i>Sisyranthus trichostomus</i> K.Schum. [Taxon 166]	Apocynaceae Forb	Central KZN Midlands (Greytown, Rietvlei, Howick, Boston, Dargle, Mpendle, Richmond, Ixopo & Pietermaritzburg districts), southwards to Harding & Weza districts & Ngeli Mtn	700–1600	Moist grassland; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–January	Least Concern	<i>NE Shirley 343</i> NU	Scott-Shaw [23]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Stachys rivularis</i> J.M.Wood & M.S.Evans [Taxon 167]	Lamiaceae Forb	Utrecht & Dannhauser districts, north-western KZN, to Mooi River & Lions River districts, central KZN Midlands	1300–1700	Montane grassland on hillslopes; Wakkerstroom Montane & Midlands Mistbelt Grasslands (GB)	Grows mostly in dolerite-derived soils	November–February	Data Deficient – Insufficient Information	<i>JM Wood</i> 6252A NH	Scott-Shaw [23]	100
<i>Streptocarpus cooksonii</i> B.L.Burt [Taxon 168]	Gesneriaceae Epiphytic herb (lithophyte)	Nkandla to Jameson’s Drift, Kranskop, Colenso & Muden districts, central KZN (Tugela & Buffalo River Basins)	850–1200	Cliff faces in hot, dry valleys & rocky outcrops on hillslopes of open grassland; Thukela Valley Bushveld & KZN Highland Thornveld (SB–GB)	Grows mostly on sandstone cliffs & boulders	December–April	Least Concern	<i>RG Strey</i> 9310 PRE	Scott-Shaw [23]	100
<i>Streptocarpus fanminiae</i> Harv. ex C.B.Clarke [Taxon 169]	Gesneriaceae Epiphytic herb (lithophyte)	Vryheid, Ngome, Nkandla & Qudeni districts, northern KZN, to central KZN Midlands (Ixopo, Karkloof, Dargle, Kranskop & Noodsberg districts)	900–1500	Near waterfalls, streambanks & damp rock faces in forest & shaded grassland (FB–GB)	Grows mostly in dolerite-derived soils	November–April	Least Concern	<i>JM Wood</i> 4234 NH	Scott-Shaw [23]	100
<i>Streptocarpus floribundus</i> Weigend & T.J.Edwards [Taxon 170]	Gesneriaceae Epiphytic herb (lithophyte)	Kranskop district, KZN Midlands	900–1100	Scarp forest, on doleritic cliffs (FB)	Grows in dolerite-derived soils	November–December	Vulnerable	<i>OM Hilliard</i> 1929 NU	Weigand and Edwards [196]	100
<i>Streptocarpus polyanthus</i> Hook. subsp. <i>verecundus</i> Hilliard [Taxon 171]	Gesneriaceae Epiphytic herb (lithophyte)	Ngome district, northern KZN, to KZN Midlands (New Hanover, Kranskop, Noodsberg & Rietvlei districts), to Ndwedwe, Dumisa & Inchanga, KZN coastal hinterland	700–1200	Under rocks of hill summits, rocky outcrops, earth banks & steep slopes, in damp & shady micro-environments (GB)	Grows mostly on sandstone-derived substrates	November–January	Least Concern	<i>OM Hilliard</i> 2064 E	Scott-Shaw [23]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Streptocarpus silvaticus</i> Hilliard [Taxon 172]	Gesneriaceae Epiphytic herb (lithophyte)	KZN Midlands (Greytown, Creighton, Dargle, Donnybrook, Karkloof, Lions River, Pietermaritzburg & Richmond districts), southwards to Ntsikeni & Ngeli, East Griqualand	900–1800	Epiphyte on tree trunks & rocks in forest (FB)	Grows on dolerite-derived substrates	October–January	Least Concern	<i>OM Hilliard</i> 811 K	Scott-Shaw [23]	100
<i>Syncolostemon latidens</i> (N.E.Br.) Codd [Taxon 173]	Lamiaceae Shrub	Greytown (Umvoti) to Kranskop districts, KZN Midlands	900–1100	Rocky grassland, often bordering forest or thornveld; Eastern Valley Bushveld, Thukela Valley Bushveld, Midlands Mistbelt Grassland (SB–GB)	Grows in sandstone-derived soils of the Natal Group	March–May	Vulnerable	<i>WT Gerrard</i> 1233 K	Codd [145]	100
<i>Tephrosia natalensis</i> H.M.L.Forbes subsp. <i>pseudocapitata</i> (H.M.L.Forbes) Schrire [Taxon 174]	Fabaceae Forb	Greytown, Kranskop & Muden districts, central KZN Midlands, with a northern outpost in the Piet Retief district, southern Mpumalanga & Vryheid, northern KZN, also extending south to the Highflats & Kokstad districts	900–1400	Open grassland on hillslopes; Paulpietersburg Moist, Wakkerstroom Montane, Midlands Mistbelt & East Griqualand Grasslands (GB)	Grows in dolerite & sandstone-derived soils	November–January	Endangered	<i>CH Stirton</i> 5203 PRE	Schrire [197]	100
<i>Thunbergia venosa</i> C.B.Clarke [Taxon 175]	Acanthaceae Forb	Estcourt, Weenen, Greytown, Richmond, Bulwer, Howick & Pietermaritzburg districts, central KZN Midlands, eastwards to Hammarsdale	500–1400	Open grassland & wooded grassland (GB)	Grows in dolerite & sandstone-derived soils	September–April	Rare	<i>JM Wood</i> 643 PRE	Retief and Reyneke [198]	99

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
		& Inanda, extending southwards to Ngeli Mtn, southern KZN								
<i>Vitellariopsis dispar</i> (N.E.Br.) Aubrév. [Taxon 176]	Sapotaceae Tree	Upper & central Tugela River Basin, central KZN	800–1200	Closed woodland & dry riverine forest, along drainage lines & watercourses (SB–FB)	Grows mostly in shale-derived soils	October–November (May)	Rare	<i>JM Wood</i> <i>4472</i> K	Boon [32]	100
<i>Wahlenbergia pallidiflora</i> Hilliard & B.L.Burt [Taxon 177]	Campanulaceae Forb	Mt. Gilboa (Karkloof district), Lions River & Nottingham Road districts, central KZN Midlands, extending to foothills of central KZN Drakensberg	1500–1900	Edges of wetlands & streams in rocky montane grassland; Midlands Mistbelt, Mooi River Highland & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	December–January	Least Concern	<i>OM Hilliard & BL Burt</i> <i>11883</i> NU	Scott-Shaw [23]	98
<i>Watsonia canaliculata</i> Goldblatt [Taxon 178]	Iridaceae Geophyte	Greytown, New Hanover, Karkloof & Howick districts, KZN Midlands	1000–1600	Open rocky grassland; Midlands Mistbelt & Mooi River Highland Grasslands (GB)	Grows in dolerite-derived soils	November–January	Endangered	<i>P Goldblatt & J Manning</i> <i>8357</i> NU	Goldblatt [1999]	100
<i>Watsonia vicschuettei</i> C.J. Potgieter & I.M. Johnson [Taxon 179]	Iridaceae Geophyte	Western shoreline of Lake Merthley, Greytown (Umvoti) district, KZN Midlands	1040–1350	Seasonal grassy wetlands (GB)	Grows in dolerite-derived soils	February–March	Unknown (not yet evaluated)	<i>IM Johnson</i> <i>1487</i> NBG	Goldblatt and Manning [200]; Potgieter and Johnson [201]	100
<i>Woodia verruculosa</i> Schltr. [Taxon 180]	Apocynaceae Forb	Howick, Ixopo & Pietermaritzburg districts, KZN Midlands, eastwards to Camperdown district, southwards to Clydesdale (Umzimkulu district)	700–1300	Mistbelt & Ngongoni grassland; Midlands Mistbelt, Dry Coast Hinterland & Southern KZN Moist Grasslands (GB)	Grows in dolerite-derived soils	October–December	Vulnerable	<i>BM</i> <i>Brayshaw 70</i> NU	Scott-Shaw [23]	100
<i>Xysmalobium gerrardii</i> Scott-Elliot	Apocynaceae	Ngome & Qudeni, northern KZN, to KZN Midlands	600–1500	Moist grassland (GB)	Grows in dolerite &	October–January	Least Concern	<i>TJ Edwards</i> <i>446</i> NU	Scott-Shaw [23]	98

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<i>Berkheya caffra</i> MacOwan [Taxon 186]	Asteraceae Forb	Clydesdale district, southern KZN	1100–1300	Mistbelt grassland (GB)	Grows mostly in dolerite-derived soils	November–March	Data Deficient – Taxon’ly Problematic	<i>W Tyson</i> 2755 BM	Scott-Shaw [23]	100
<i>Berkheya griquana</i> Hilliard & B.L.Burt [Taxon 187]	Asteraceae Forb	Kokstad & Mt. Currie districts, East Griqualand, southern KZN	1400–1700	Undulating montane grassland; East Griqualand Grassland (GB)	Grows in dolerite-derived soils	December–January	Vulnerable	<i>OM Hilliard & BL Burt</i> 14867 NU	Hilliard and Burt [203]	100
<i>Ceropegia molaventi</i> (Peckover & A.E. van Wyk) Bruyns [Taxon 188]	Apocynaceae Forb	Ngeli Mtn, Ntsikeni & Umzimkulu districts, southern KZN	1350–1750	Amongst rocky outcrops & edges of rock sheets in short, moist grassland; Dry Coast Hinterland & Drakensberg Foothill Moist Grasslands (GB)	Grows in dolerite & gabbro-derived soils	November–February	Vulnerable	<i>AE Van Wyk</i> 12483 PRU	Peckover and Van Wyk [204]	100
<i>Ceropegia rudatisii</i> Schltr. [Taxon 189]	Apocynaceae Forb	Umzinto, Dumisa & Highflats, southern KZN coastal hinterland escarpment	680–800	Rocky outcrops & bush clump margins in Ngongoni grassland; KZN Sandstone Sourveld (SB)	Grows in sandstone-derived soils of the Natal Group	November–February	Critically Endangered (Possibly Extinct)	<i>DGA Styles & A Heiduk</i> 5770 NU	Dyer [163]; Heiduk et al. [205]	100
<i>Craterocapsa insizwae</i> (Zahlbr.) Hilliard & B.L.Burt [Taxon 190]	Campanulaceae Forb	Hella-Hella (Highover), Richmond district, southwards to Ixopo & Umzimkulu districts & Mt. Currie, Ngeli Mtn & Weza (Kokstad district), East Griqualand, southern KZN to Mt. Insizwa, EC	1100–1600	Mistbelt & montane grasslands; Drakensberg Foothill Moist Grassland (GB)	Grows in dolerite & gabbro-derived soils	November–March	Least Concern	<i>BD Schrire</i> 953 NU	Hilliard and Burt [206]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Cymbopappus hilliardiae</i> B.Nord. [Taxon 191]	Asteraceae Shrub	Mt. Insizwa, Ayliff district, Eastern Cape midlands	1450–1600	Rocky slopes in moist grassland; Drakensberg Foothill Moist Grassland (GB)	Grows in dolerite & gabbro-derived soils	September–January	Vulnerable	OM Hilliard & BL Burtt 7289 E	Nordenstam [207]	100
<i>Cyrtanthus rotundilobus</i> N.E.Br. [Taxon 192]	Amaryllidaceae Geophyte	Mt. Currie & Franklin districts, East Griqualand, southern KZN, to north-eastern Eastern Cape midlands (Mt. Fletcher, Elliot & Ugie)	1400–2200	Streambanks & clifftops in montane grassland (GB)	Grows in dolerite & sandstone-derived soils & cliffs	December–January	Least Concern	LE Taylor 5531 PRE	Duncan et al. [121]	100
<i>Dierama ambiguum</i> Hilliard [Taxon 193]	Iridaceae Geophyte	Ngeli Mtn, Weza & Ntsikeni in East Griqualand, southern KZN to Mt. Insizwa & Maclear districts, Eastern Cape Midlands	1200–1900	Open montane grassland; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows in dolerite & gabbro-derived soils	October–February	Endangered	SP Bester 1740 PRE	Hilliard and Burtt [123]	100
<i>Dierama tysonii</i> N.E.Br. [Taxon 194]	Iridaceae Geophyte	Cedarville, Mt. Currie, Franklin, Swartberg & Weza districts, East Griqualand, southern KZN	1300–1800	Montane grassland; Midlands Mistbelt, East Griqualand & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	September–February	Vulnerable	OM Hilliard & BL Burtt 13969 NU	Hilliard and Burtt [123]	100
<i>Dioscorea brownii</i> Schinz [Taxon 195]	Dioscoreaceae Forb	Richmond district southwards to Ngeli Mtn, southern KZN	900–1450	Rank mistbelt & montane grasslands, along forest margins; Midlands Mistbelt, Moist Coast Hinterland & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	November–March	Endangered	W Tyson 1829 SAM	Hilliard and Burtt [208]	99
<i>Disa scullyi</i> Bolus [Taxon 196]	Orchidaceae Forb	Mooi River & upper Dargle/Impendle districts, KZN Midlands, to Ntsikeni & southern KZN foothills	1500–2400	Grassy tussocked wetlands, seepages, or stream edges in montane grassland;	Grows mostly in dolerite-derived soils	December–January	Endangered	C Carbutt 05 of 2018 NU	Johnson and Bytebier [130]	97

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
		southwards to the Eastern Cape Midlands & Amatole Mtns		Mooi River Highland, East Griqualand, Drakensberg Foothill Moist & Amathole Montane Grasslands (GB)						
<i>Encephalartos friderici-guilielmi</i> Lehm. [Taxon 197]	Zamiaceae Cycad	Kokstad district, East Griqualand, southern KZN, southwards to Queenstown & Cathcart districts, EC	800–1400	Rocky outcrops & cliff edges in montane grassland & shrubland (GB)	Grows mostly in dolerite-derived soils	September–March	Near Threatened	<i>JPH Acocks</i> 10999 PRE	Boon [32]; Kemp [209]	98
<i>Erica cooperi</i> Bolus var. <i>cooperi</i> [Taxon 198]	Ericaceae Shrub	Boston, Byrne, Karkloof & Lions River districts, central KZN Midlands, southwards to Maclear, Elliot & Lady Frere, EC	900–2300	Seepage areas on sloping grasslands & stream edges (GB)	Grows mostly in dolerite-derived soils	January–July	Rare	<i>FB Wright</i> 1510 PRE	Scott-Shaw [23]	97
<i>Erica tysonii</i> Bolus var. <i>tysonii</i> [Taxon 199]	Ericaceae Shrub	Foothills of the Drakensberg near Underberg southwards to Kokstad district & Ngeli Mtn & Mt. Insizwa, to Maclear & Elliot districts, EC	1700–2200	Mountain slopes & cliff faces in montane grassland (GB)	Grows in dolerite & basalt-derived soils	January–March	Least Concern	<i>W Tyson</i> 1290 PRE	Scott-Shaw [23]	98
<i>Eriosema populifolium</i> Benth. ex Harv. subsp. <i>populifolium</i> [Taxon 200]	Fabaceae Forb	Umlaas Road to Mid Illovo, Dumisa, Highflats, Hlutankungu & Jolivet districts, southern KZN Midlands	500–900	Moist grassland; KZN Sandstone Sourveld & Dry Coast Hinterland Grassland (SB–GB)	Grows mostly in sandstone-derived soils	October–November	Endangered	<i>CH Stirton</i> 1213 PRE	Stirton and Gordon-Gray [210]	98
<i>Gnaphalium griquense</i> Hilliard & B.L.Burt [Taxon 201]	Asteraceae Forb	Franklin, Ntsikeni & Cedarville districts, East Griqualand, southern KZN, with an outlying population at Sehlabathebe NP in Lesotho	1200–2500	Moist grassland in damp places (GB)	Grows mostly in dolerite-derived soils	November–February	Rare	<i>OM Hilliard</i> 2076 NU	Hilliard [211]	99

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Helichrysum tenax</i> M.D.Hend. var. <i>pallidum</i> Hilliard & B.L.Burt	Asteraceae Subshrub	Ngeli Mtn & Weza district, southern KZN, to Tabankulu & Mt. Insizwa, EC	1300–1700	Rock crevices in cliff faces & steep, rocky sloping terrain in montane grassland (GB)	Grows in dolerite & gabbro-derived soils	October–November	Rare	OM Hilliard & BL Burt 7336 NU	Hilliard [128]	100
[Taxon 202]										
<i>Hesperantha ingeliensis</i> Hilliard & B.L.Burt	Iridaceae Geophyte	Ngeli Mtn, East Griqualand, southern KZN, to Mjika Mtn, Eastern Cape midlands	1400–1800	Damp cliff crevices or rocky outcrops in montane grassland (GB)	Grows in gabbro-derived soils	January–March	Rare	OM Hilliard & BL Burt 5838 NU	Scott-Shaw [23]	99
[Taxon 203]										
<i>Lessertia ingeliensis</i> M.Balkwill	Fabaceae Forb	Ngeli Mtn, East Griqualand, southern KZN	1800–2200	Moist rocky grassland (GB)	Grows in gabbro-derived soils	December–February	Least Concern	K Balkwill & MJ Cadman 2670 NU	Balkwill and Balkwill [212]	100
[Taxon 204]										
<i>Phylca tysonii</i> Pillans var. <i>tysonii</i>	Rhamnaceae Subshrub–shrub	Ngeli Mtn, East Griqualand, southern KZN	1900–2200	Rocky outcrops of mountain summit (plateau) (GB)	Grows in gabbro-derived soils	July (?)	Data Deficient – Insufficient Information	W Tyson 1442 PRE	Pillans [213]	100
[Taxon 205]										
<i>Satyrium rhodanthum</i> Schltr.	Orchidaceae Forb	Ixopo, Highflats, Hlutankungu & Jolivet districts, southern KZN	700–1100	Moist, sloping rocky grassland; Midlands Mistbelt & Moist Coast Hinterland Grasslands & KZN Sandstone Sourveld (GB–SB)	Grows in dolerite & sandstone-derived soils	Late October–December	Endangered	C Carbutt & JD Craigie 02 of 2013 NU	Johnson and Bytebier [130]	100
[Taxon 206]										
<i>Schizoglossum bidens</i> E.Mey. subsp. <i>hirtum</i> Kupicha	Apocynaceae Forb	Boston, Lions River (Mt. Ashley) & Donnybrook districts, KZN Midlands, to Coleford NR & Ntsikeni, East Griqualand, southern KZN	1050–1700	Moist grassland on hill slopes; Midlands Mistbelt & Drakensberg Foothill Moist Grasslands (GB)	Grows mostly in dolerite-derived soils	October–December	Endangered	EJ Moll 1329 NU	Kupicha [110]	100
[Taxon 207]										

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Schizoglossum quadridens</i> N.E.Br. [Taxon 208]	Apocynaceae Forb	“The Plateau,” East Griqualand, southern KZN	Unknown	East Griqualand Grassland (GB)	Unknown	January	Data Deficient – Insufficient Information	<i>JM Wood 4189</i> NH	Kupicha [110]	100
<i>Schizoglossum rubiginosum</i> Hilliard [Taxon 209]	Apocynaceae Forb	Harding district, southern KZN	800–1000	Mistbelt grassland; Moist Coast Hinterland Grassland (GB)	Grows in dolerite-derived soils	February–March	Vulnerable	<i>OM Hilliard & BL Burt</i> 16723 E	Hilliard and Burt [111]	100
<i>Schizoglossum singulare</i> Kupicha [Taxon 210]	Apocynaceae Forb	Ngeli Mtn, East Griqualand, southern KZN	1900–2100	Montane grassland; Drakensberg Foothill Moist Grassland (GB)	Grows in gabbro-derived soils	December–January	Vulnerable	<i>OM Hilliard & BL Burt</i> 5816 NU	Kupicha [110]	100
<i>Searsia rudatisii</i> (Engl.) Moffett [Taxon 211]	Anacardiaceae Subshrub	Richmond (Hella-Hella), Dumisa, Ixopo & Highflats districts, southern KZN, extending coastwards to Vernon Crookes Nature Reserve near Umzinto	(400) 600–1100	Sloping grasslands & outcrops; Southern KZN Moist & Moist Coast Hinterland Grasslands & KZN Sandstone Sourveld (GB–SB)	Grows in dolerite & sandstone-derived soils	September–January	Endangered	<i>RO Moffett</i> 3525 PRE	Boon [32]; Moffett [139]	99
<i>Selago foliosa</i> Rolfe [Taxon 212]	Scrophulariaceae Forb	Hella-Hella (Highover), Richmond district, southwards to Clydesdale, Umzimkulu district, southern KZN	900–1200	Sloping grasslands; Midlands Mistbelt Grassland (GB)	Grows in dolerite-derived soils	March–April	Least Concern	<i>W Tyson</i> 2523 K	Hilliard [140]	100
<i>Selago griquana</i> Hilliard [Taxon 213]	Scrophulariaceae Forb	Between Cedarville, Swartberg & Mt. Currie, Kokstad district, East Griqualand, southern KZN	1400–1600	Open grassland; East Griqualand Grassland (GB)	Grows in dolerite-derived soils	December–January	Data Deficient – Insufficient Information	<i>OM Hilliard & BL Burt</i> 18918 NU	Hilliard [140]	100
<i>Senecio poseideonis</i> Hilliard & B.L.Burt	Asteraceae Forb	Qudeni Forest (Nkandla district) southwards to Ngeli	800–1600	Streamsides & damp shaded banks in forest & forest margins (FB)	Grows in dolerite &	December–January	Rare	<i>OM Hilliard & BL Burt</i> 5850 NU	Hilliard [128]	100

Taxon Name and Authority	Family and Growth Form	Distribution	Elevation Range (m a.s.l.)	Habitat, Vegetation Type(s) and Biome(s)	Dominant Lithology	Flowering Phenology	Red List Status	Reference Voucher	Taxon Authority Reference(s)	EI
<i>Xysmalobium tysonianum</i> (Schltr.) N.E.Br. [Taxon 220]	Apocynaceae Forb	Ngeli Mtn, Ntsikeni, Weza, Mt. Currie, Kokstad districts, East Griqualand, southern KZN, with a northern outlier at Ngotshe, Nongoma district, northern KZN & a southern outlier in the Elliot district, EC	1100–2100	Rocky hillslopes in montane grassland; Drakensberg Foothill Moist & East Griqualand Grasslands (GB)	Grows mostly in dolerite-derived soils	November–January	Least Concern	<i>SP Bester</i> 11660 PRE	Scott-Shaw [23]	99

Table S2. Examples of extra-limital plant taxa not recognized as GMC endemics. Taxa are arranged alphabetically according to four phylogeographic affiliations (columns 1–4) and a cohort of taxa without any discernible distributional patterns (column 5). Many taxa in columns 2–3 could be considered GMC near-endemics.

DMC Near-Endemics ¹	Limpopo–Mpumalanga–Eswatini Connections ²	Coastal Affinities ³	Eastern Cape Endemics ⁴	General Poor Fit ⁵
<i>Afrotysonia africana</i> (Bolus) Rauschert (Boraginaceae)	<i>Acrotome thorncroftii</i> Skan (Lamiaceae)	<i>Agathisanthemum chlorophyllum</i> (Hochst.) Bremek. var. <i>chlorophyllum</i> (Rubiaceae)	<i>Ceropegia meyeriana</i> (Schltr.) Bruyns (Apocynaceae) (Katberg, Amathole Mtns & King William's Town to Komga)	<i>Annesorhiza schlechteri</i> H.Wolff (Apiaceae)
<i>A. glochidiata</i> (R.R.Mill) R.R.Mill (Boraginaceae)	<i>Adenanthellum osmitoides</i> (Harv.) B.Nord. (Asteraceae)	<i>Aloe kraussii</i> Baker (Asphodelaceae)	<i>C. micriflora</i> Bruyns (Apocynaceae) (Queenstown)	<i>Argyrobium baptisioides</i> (E.Mey.) Walp. (Fabaceae)
<i>Albuca humilis</i> Baker (Hyacinthaceae)	<i>Aloe dewetii</i> Reynolds (Asphodelaceae)	<i>A. linearifolia</i> A.Berger (Asphodelaceae)	<i>C. montiphila</i> Bruyns (Apocynaceae) (Queenstown)	<i>A. marginatum</i> Bolus (Fabaceae)
<i>Alepidea woodii</i> Oliv. (Apiaceae)	<i>A. kniphofioides</i> Baker (Asphodelaceae)	<i>A. parviflora</i> Baker (Asphodelaceae)	<i>Cineraria vagans</i> Hilliard (Asteraceae) (Amathole Mtns, Katberg Pass & the Elandsberg)	<i>Aspidoglossum dissimile</i> (N.E.Br.) Kupicha (Apocynaceae)
<i>Asparagus microraphis</i> (Kunth) Baker (Asparagaceae)	<i>A. modesta</i> Reynolds (Asphodelaceae)	<i>Argyrobium longifolium</i> (Meisn.) Walp. (Fabaceae)	<i>Crocoshia masoniorum</i> (L.Bolus) N.E.Br. (Iridaceae) (Engcobo)	<i>A. woodii</i> (Schltr.) Kupicha (Apocynaceae)
<i>Aspidonepsis cognata</i> (N.E.Br.) Nicholas & Goyder (Apocynaceae)	<i>A. suprafoliata</i> Pole-Evans (Asphodelaceae)	<i>Asclepias schlechteri</i> (K.Schum.) N.E.Br. (Apocynaceae)	<i>Cyrtanthus mackenii</i> Hook.f. subsp. <i>cooperi</i> (Baker) Snijman (Amaryllidaceae) (King William's Town & Stutterheim)	<i>A. xanthosphaerum</i> Hilliard (Apocynaceae)
<i>A. reenensis</i> (N.E.Br.) Nicholas & Goyder (Apocynaceae)	<i>A. vryheidensis</i> Groenew. (Asphodelaceae)	<i>Begonia geranioides</i> Hook.f. (Begoniaceae)	<i>Nerine masoniorum</i> L.Bolus (Amaryllidaceae) (Umtata)	<i>Athrixia gerrardii</i> Harv. (Asteraceae)
<i>Brownleea galpinii</i> Bolus subsp. <i>major</i> (Bolus) H.P.Linder (Orchidaceae)	<i>Argyrobium pseudotuberosum</i> T.J.Edwards (Fabaceae)	<i>Ceropegia pulchellior</i> Bruyns (Apocynaceae)	<i>N. gibsonii</i> Douglas (Amaryllidaceae) (Cala & Engcobo)	<i>Ceropegia breviflora</i> subsp. <i>flavida</i> (Schltr.) Bruyns (Apocynaceae)
<i>Chlorophytum acutum</i> (C.H.Wright) Nordal (Agavaceae)	<i>Brownleea galpinii</i> Bolus subsp. <i>galpinii</i> (Orchidaceae)	<i>C. scabriflora</i> N.E.Br. (Apocynaceae)	<i>Phyllica tysonii</i> Pillans var. <i>brevifolia</i> Pillans (Rhamnaceae) (Cala to Ugie & Maclear)	<i>Crassula tuberella</i> Toelken (Crassulaceae)

<i>Cotula membranifolia</i> illiard (Asteraceae)	<i>Bulbine inflata</i> Oberm. (Asphodelaceae)	<i>Cineraria atriplicifolia</i> DC. (Asteraceae)	<i>Selago baurii</i> (Hiern) Hilliard (Scrophulariaceae) (Mt. Baziya)	<i>Cyrtanthus obrienii</i> Baker (Amaryllidaceae)
<i>Cyphia tysonii</i> E.Phillips (Lobeliaceae)	<i>Cassipourea swaziensis</i> Compton (Rhizophoraceae)	<i>Clivia gardenii</i> Hook. (Amaryllidaceae)		<i>Delosperma gracile</i> L.Bolus (Aizoaceae)
<i>Cyrtanthus flanaganii</i> Baker (Amaryllidaceae)	<i>Cyphia corylifolia</i> Harv. (Lobeliaceae)	<i>Dierama pallidum</i> Hilliard (Iridaceae)		<i>Dierama latifolium</i> N.E.Br. (Iridaceae)
<i>Disa oreophila</i> Bolus subsp. <i>erecta</i> H.P.Linder (Orchidaceae)	<i>Dierama galpinii</i> N.E.Br. (Iridaceae)	<i>Eriosema rossii</i> C.H.Stirt. (Fabaceae)		<i>Disa hircicornis</i> Rchb.f. (Orchidaceae)
<i>Drimia calcarata</i> (Baker) Stedje (Hyacinthaceae)	<i>D. insigne</i> N.E.Br. (Iridaceae)	<i>Geranium ornithopodioides</i> Hilliard & B.L.Burt (Geraniaceae)		<i>Eulophia meleagris</i> Rchb.f. (Orchidaceae)
<i>Eucomis bicolor</i> Baker (Hyacinthaceae)	<i>D. pictum</i> N.E.Br. (Iridaceae)	<i>G. sparsiflorum</i> R.Knuth (Geraniaceae)		<i>Galopina crocylloides</i> Bär ex Schinz (Rubiaceae)
<i>E. humilis</i> Baker (Hyacinthaceae)	<i>D. rhodantha</i> Schltr. (Orchidaceae)	<i>Gladiolus inandensis</i> Baker (Iridaceae)		<i>Garuleum latifolium</i> Harv. (Asteraceae)
<i>Gladiolus parvulus</i> Schltr. (Iridaceae)	<i>D. zuluensis</i> Rolfe (Orchidaceae)	<i>Gymnosporia uniflora</i> Davison (Celastraceae)		<i>Geranium subglabrum</i> Hilliard & B.L.Burt (Geraniaceae)
<i>Helichrysum hypoleucum</i> Harv. (Asteraceae)	<i>Disperis cooperi</i> Harv. (Orchidaceae)	<i>Helichrysum natalitium</i> DC. (Asteraceae)		<i>Hermannia auricoma</i> (Szyszyl.) K.Schum. (Malvaceae)
<i>H. nanum</i> Klatt (Asteraceae)	<i>Drimia kniphofioides</i> (Baker) J.C.Manning & Goldblatt (Hyacinthaceae)	<i>H. woodii</i> N.E.Br. (Asteraceae)		<i>Hesperantha woodii</i> Baker (Iridaceae)
<i>Hermannia gerrardii</i> Harv. (Malvaceae)	<i>Erica revoluta</i> (Bolus) L.E.Davidson (Ericaceae)	<i>Hilliardia zuurbergensis</i> (Oliv.) B.Nord. (Asteraceae)		<i>Indigofera foliosa</i> E.Mey. (Fabaceae)
<i>H. oligosperma</i> K.Schum. (Malvaceae)	<i>Gladiolus vernus</i> Oberm. (Iridaceae)	<i>Kniphofia tysonii</i> Baker subsp. <i>tysonii</i> (Asphodelaceae)		<i>I. woodii</i> Bolus var. <i>woodii</i> (Fabaceae)

<i>Hesperantha scopulosa</i> Hilliard & B.L.Burt (Iridaceae)	<i>Helichrysum argyrolepis</i> MacOwan (Asteraceae)	<i>Ornithogalum princeps</i> (Baker) J.C.Manning & Goldblatt (Hyacinthaceae)	<i>Kniphofia fibrosa</i> Baker (Asphodelaceae)
<i>Huttonaea grandiflora</i> (Schltr.) Rolfe (Orchidaceae)	<i>H. aureum</i> (Houtt.) Merr. var. <i>argenteum</i> Hilliard (Asteraceae)	<i>Phymaspermum pinnatifidum</i> (Oliv.) Källersjö (Asteraceae)	<i>Lactuca tysonii</i> (E.Phillips) C.Jeffrey (Asteraceae)
<i>H. oreophila</i> Schltr. (Orchidaceae)	<i>H. aureum</i> (Houtt.) Merr. var. <i>candidum</i> Hilliard (Asteraceae)	<i>Plectranthus purpuratus</i> Harv. subsp. <i>purpuratus</i> (Lamiaceae)	<i>Leobordea procumbens</i> (H.Bolus) B.-E.van Wyk & Boatwr. (Fabaceae)
<i>Killickia pilosa</i> (Benth.) Bräuchler, Heubl & Doroszenko (Lamiaceae)	<i>H. interjacens</i> Hilliard (Asteraceae)	<i>Pseudoprospero firmifolium</i> (Baker) Speta subsp. <i>natalensis</i> J.C.Manning (Hyacinthaceae)	<i>Lessertia perennans</i> (Jacq.) DC. var. <i>sericea</i> L.Bolus (Fabaceae)
<i>Kniphofia angustifolia</i> (Baker) Codd (Asphodelaceae)	<i>H. opacum</i> Klatt (Asteraceae)	<i>Rhynchosia connata</i> Baker f. (Fabaceae)	<i>Listia solitudinis</i> (Dummer) B.-E.van Wyk & Boatwr. (Fabaceae)
<i>K. brachystachya</i> (Zahlbr.) Codd (Asphodelaceae)	<i>Heterosamara galpinii</i> (Hook.f.) Paiva (Polygalaceae)	<i>Riocreuxia flanaganii</i> Schltr. var. <i>alexandrina</i> H.E.Huber (Apocynaceae)	<i>Lotononis carnosus</i> (Eckl. & Zeyh.) Benth. subsp. <i>condensata</i> (Harv.) B.-E.van Wyk (Fabaceae)
<i>K. breviflora</i> Baker (Asphodelaceae)	<i>Hibiscus barbosae</i> Exell (Malvaceae)	<i>R. woodii</i> N.E.Br. (Apocynaceae)	<i>L. viminea</i> (E.Mey.) B.-E.van Wyk (Fabaceae)
<i>Jamesbrittenia breviflora</i> (Schltr.) Hilliard (Scrophulariaceae)	<i>Jamesbrittenia silenoides</i> (Hilliard) Hilliard (Scrophulariaceae)	<i>Schizoglossum peglerae</i> N.E.Br. (Apocynaceae)	<i>Melolobium alpinum</i> Eckl. & Zeyh. (Fabaceae)
<i>Manulea florifera</i> Hilliard & B.L.Burt (Scrophulariaceae)	<i>Khadia alticola</i> Chess. & H.E.K.Hartmann (Aizoaceae)	<i>Selago hyssopifolia</i> E.Mey. subsp. <i>retrotricha</i> Hilliard (Scrophulariaceae)	<i>Miraglossum anomalum</i> (N.E.Br.) Kupicha (Apocynaceae)
<i>Miraglossum superbum</i> Kupicha (Apocynaceae)	<i>Kniphofia galpinii</i> Baker (Asphodelaceae)	<i>Senecio dregeanus</i> DC. (Asteraceae)	<i>Orbea gerstneri</i> (Letty) Bruyns subsp. <i>gerstneri</i> (Apocynaceae)
<i>Moraea albicuspa</i> Goldblatt (Iridaceae)	<i>K. fluviatilis</i> Codd (Asphodelaceae)	<i>Sisyranthus anceps</i> Schltr. (Apocynaceae)	<i>Scabiosa tysonii</i> L.Bolus (Dipsacaceae)

<i>Ornithogalum candicans</i> (Baker) J.C.Manning & Goldblatt (Hyacinthaceae)	<i>K. multiflora</i> J.M.Wood & M.S.Evans (Asphodelaceae)	<i>S. fanninia</i> N.E.Br. (Apocynaceae)	<i>Sclerochiton odoratissimus</i> Hilliard (Acanthaceae)
<i>O. diphyllum</i> Baker (Hyacinthaceae)	<i>Ledebouria pilosa</i> (Van der Merwe) J.C.Manning & Goldblatt (Hyacinthaceae)	<i>Stachys tubulosa</i> MacOwan (Lamiaceae)	<i>Selago elongata</i> Hilliard (Scrophulariaceae)
<i>O. regale</i> (Hilliard & B.L.Burt) J.C.Manning & Goldblatt (Hyacinthaceae)	<i>Leucospermum gerrardii</i> Stapf (Proteaceae)	<i>Tephrosia inandensis</i> H.M.L.Forbes (Fabaceae)	<i>S. trinervia</i> E.Mey. (Scrophulariaceae)
<i>Phymaspermum woodii</i> (Thell.) Källersjö (Asteraceae)	<i>Margelliantha caffra</i> (Bolos) P.J.Cribb & J.Stewart (Orchidaceae)		<i>Senecio tysonii</i> MacOwan (Asteraceae)
<i>Schizochilus bulbinella</i> (Rchb.f.) Bolus (Orchidaceae)	<i>Pachycarpus concolor</i> E.Mey. subsp. <i>transvaalensis</i> (Schltr.) Goyder (Apocynaceae)		<i>Sisyranthus saundersiae</i> N.E.Br. (Apocynaceae)
<i>S. flexuosus</i> Harv. ex Rolfe (Orchidaceae)	<i>Pearsonia sessilifolia</i> (Harv.) Dummer subsp. <i>filifolia</i> (Bolos) Polhill (Fabaceae)		<i>Solanum macrocarpon</i> L. (Solanaceae)
<i>Schizoglossum elingue</i> N.E.Br. subsp. <i>elingue</i> (Apocynaceae)	<i>Protea comptonii</i> Beard (Proteaceae)		<i>Stachys rudatisii</i> Skan (Lamiaceae)
<i>S. elingue</i> N.E.Br. subsp. <i>purpureum</i> Kupicha (Apocynaceae)	<i>Scolopia oreophila</i> (Sleumer) Killick (Salicaceae)		<i>Streptocarpus grandis</i> N.E.Br. subsp. <i>grandis</i> (Gesneriaceae)
<i>Selago monticola</i> J.M.Wood & M.S.Evans (Scrophulariaceae)	<i>Senecio mbuluzensis</i> Compton (Asteraceae)		<i>S. johannis</i> L.L.Britten (Gesneriaceae)
<i>Senecio ingeliensis</i> Hilliard (Asteraceae)	<i>Stachys erectiuscula</i> Gürke (Lamiaceae)		<i>S. prolixus</i> C.B.Clark (Gesneriaceae)
<i>S. parentalis</i> Hilliard & B.L.Burt (Asteraceae)	<i>Syncolostemon foliosus</i> (S.Moore) D.F.Otieno (Lamiaceae)		<i>Thesium cornigerum</i> A.W.Hill. (Santalaceae)

<i>Streptocarpus pusillus</i> Harv. ex C.B.Clarke (Gesneriaceae)	<i>Wahlenbergia pinnata</i> Compton (Campanulaceae)
<i>Tenaxia guillarmodiae</i> (Conert) N.P.Barker & H.P.Linder (Poaceae)	<i>Watsonia latifolia</i> N.E.Br. ex Oberm. (Iridaceae)
<i>Tephrosia marginella</i> H.M.L.Forbes (Fabaceae)	<i>Zaluzianskya distans</i> Hiern (Scrophulariaceae)
	<i>Z. natalensis</i> Bernh. (Scrophulariaceae)
	<i>Z. pilosa</i> Hilliard & B.L.Burt (Scrophulariaceae)

¹ Some taxa, although represented in the KZN Midlands, have a more significant station in the DMC and should therefore be recognized as DMC near-endemics. This category is especially relevant given that certain taxa, once regarded as Drakensberg Alpine Centre endemics [43], no longer occur exclusively in the redefined DMC but also occur in the GMC. See also Carbutt [15] and Carbutt and Edwards [43].

² Several taxa occurring in the KZN Midlands have a significant presence in either Limpopo, northern and central Mpumalanga and/or Eswatini, beyond the northern border of the GMC.

³ A suite of plant taxa extends from the KZN Midlands into the KZN coastal belt, and less occasionally into the Eastern Cape coastal lowlands (particularly Pondoland). Or alternatively, some taxa are centred on the coastal plain bordering the GMC but are not stationed in the GMC.

⁴ Several taxa occur exclusively just beyond the southern boundary of the GMC in the Eastern Cape and are therefore Eastern Cape endemics.

⁵ Several taxa were marginally close to being characterized as GMC endemics but either failed to achieve an EI score of > 97% or were excluded due to “poor fit”. They also did not conform to a particular phytogeographic pattern evident in columns 1–4.