

KISIMA FARM FLORA DIVERSITY REGISTER REPORT.

(FEBRUARY TO MAY 2022)



Compiled by: Kisima Forestry

Cover page

Plant photographs Top: *Rubus niveus* from left: *Lantana trifolia*, *Gladiolus dalenii*, *Solanum terminale*, *Berberis holstii*, (Helmeted Chameleon) *Trioceros hoehnelii* on *Dodonaea viscosa* var. *angustifolia* leaf and below right *Cyathula polycephala*

Foreword

The survey was carried out at Kisima Farm Limited from February to May 2022. The main aim of the survey was to document plant species diversity in the farm. The survey entailed walking around different areas in the farm while recording plant species. Plant specimens were collected, pressed, and stored. Plant photographs were also taken to help in identification as well as GPS coordinates for surveyed areas. The survey results will be helpful in future comparative studies and monitoring.

Some of the plant species could also find use in their medicinal and aesthetic values. It also needs to be noted that some of the species are invasive and efforts are being made to eradicate them. Others are weeds hence no need for propagation efforts. This survey will go a long way in our efforts for propagating a wide range of species and improving our tree nursery to being commercial.

Objectives

The objectives of the survey were to:

- Carry out a comprehensive plant diversity survey
- Identify species of conservation concern
- Establish baseline data for future reference and monitoring.
- Form a basis for planning on species to propagate for their potential commercial value
- Collect herbarium specimens and photographs for future reference
- Produce an initial report in compilation of Kisima Farm biodiversity checklist

Methodology

Plant diversity documentation was done through intensive surveys in different forest compartments in the farm. Plant specimens were collected, pressed, and stored as a record of the flora. Species of conservation concern which include rare and threatened plants were identified using information obtained from International Union for Conservation of Nature (IUCN) and the Convention on International Trade in Endangered Species (CITES) databases. GPS coordinates were recorded to mark surveyed areas. Plant photos were also taken for reference.

Results

Species diversity and composition

The survey recorded a total of 258 plant species belonging to 67 families. Of the total species recorded, Asteraceae (Daisy family) had the highest plant diversity with 40 species representing 15.5%, followed by 33 species of Poaceae (Grass family) 12.8% and the Fabaceae (Legume family) having 8.9% with 23 species. Based on the survey, 12 of the recorded plant species were exotic and one was an invasive species. The species were recorded in four different surveyed areas shown in the table below.

AREA	CO-ORDINATES RECORDED
Sorgi /Mount Kenya Horse camp area	N 0.062389 E 37.40556
Misri camp towards compartment 39	N 0.112833 E 37.41383
Dairy	N 0.118389 E 37.41197
Riparian area (Charlie's dam)	N 0.118306 E 37.41197

Floral habit diversity (Appendix II)

Habit	No. of species	Percentage
Herb	165	64%
Shrub	37	14.3%

Tree	35	13.6%
Climber	21	8.1%

Species of conservation concern

Plant species included in IUCN Red list and CITES database were considered in the survey.

IUCN Red listed species:

Family	Species	IUCN status
Rosaceae	<i>Prunus africana</i> (Hook.f.) Kalkman	Vulnerable (VU)
Verbenaceae	<i>Vitex keniensis</i> Turrill	Endangered (EN)

CITES species

Family	Species	CITES category
Asphodelaceae	<i>Aloe? ellenbeckii</i> Berger	Cites II
Asphodelaceae	<i>Aloe lateritia</i> Engl. var. <i>lateritia</i>	Cites II
Asphodelaceae	<i>Aloe nyeriensis</i> Christian	Cites II
Asphodelaceae	<i>Aloe secundiflora</i> Engl. var. <i>secundiflora</i>	Cites II
Rosaceae	<i>Prunus africana</i> (Hook.f.) Kalkman	Cites II
Santalaceae	<i>Osyris lanceolata</i> Hochst. & Steud.	Cites II

Conclusion

Plant diversity was high in the surveyed areas, and this is an indication of an area rich in biodiversity. Subsequent surveys will be important in updating the plant diversity register, considering the survey was done the dry season, as well as compiling a biodiversity register.

Recommendations

- 1.** More flora surveys need to be conducted in the remaining biodiversity hotspot areas to get more data on the plant species present in Kisima farm. The report should subsequently include Kisima's fauna to capture biodiversity.
- 2.** Document ethnobotanical information on all species in Kisima's flora diversity checklist
- 3.** Control of invasive species from further invasions to the undisturbed natural vegetation.
- 4.** Introduction of more indigenous plants native to the area to the farm to increase plant diversity as well as fauna.
- 5.** Introduction of indigenous threatened tree species endemic to Mt. Kenya region will be very helpful for their conservation. (Appendix 1)
- 6.** Establish a mini herbarium for the farm that will be used as a reference for future plant identification.

References

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APPENDIX I

List of threatened tree species in Mt. Kenya region

No.	Family	Species	Habit	Comment/iucn status
1	Annonaceae	<i>Uvariadendron anisatum</i>	Tree	Vulnerable
2	Araliaceae	<i>Polyscias kikuyuensis</i>	Tree	Near Threatened
3	Celastraceae	<i>Gymnosporia keniensis</i>	Tree	Endangered
4	Lamiaceae	<i>Premna maxima</i>	Tree	Endangered
5	Lamiaceae	<i>Vitex keniensis</i>	Tree	Endangered
6	Lauraceae	<i>Ocotea kenyensis</i>	Tree	Vulnerable
7	Rosaceae	<i>Prunus africana</i>	Tree	Vulnerable
8	Simaroubaceae	<i>Brucea macrocarpa</i>	Tree	Endangered

APPENDIX II

Plant checklist of Kisima farm

No.	Family	Species	habit	Comment/iucn status
1	Acanthaceae	<i>Dyschoriste radicans</i> Nees	Herb	
2	Acanthaceae	<i>Justicia diclipteroides</i> Lindau	Herb	
3	Acanthaceae	<i>Thunbergia alata</i> Bojer ex Sims	Climber	
4	Acanthaceae	<i>Thunbergia fischeri</i> Engl.	Herb	
5	Amaranthaceae	<i>Achyranthes aspera</i> L.	Herb	
6	Amaranthaceae	<i>Amaranthus hybridus</i> L.	Herb	Naturalized/weed
7	Amaranthaceae	<i>Cyathula polycephala</i> Baker	Herb	
8	Amaryllidaceae	<i>Agapanthus orientalis</i> Willd.	Herb	Exotic
9	Anacardiaceae	<i>Searsia crenata</i> (Thunb.) Moffett	Shrub	
10	Anacardiaceae	<i>Searsia pyroides</i> (Burch.) Moffett var. <i>pyroides</i>	Shrub	
11	Apiaceae	<i>Agrocharis incognita</i> (Norman) Heyw. & Jury	Herb	
12	Apiaceae	<i>Agrocharis melanantha</i> Hochst.	Herb	
13	Apiaceae	<i>Apium leptophyllum</i> (Pers.) Benth.	Herb	
14	Apiaceae	<i>Heteromorpha trifoliata</i> (H.L.Wendl.) Eckl. & Zeyh.	Shrub	
15	Apiaceae	<i>Hydrocotyle mannii</i> Hook.f. var. <i>mannii</i>	Herb	
16	Apiaceae	<i>Oenanthe palustris</i> (Chiov.) Norman	Herb	
17	Apiaceae	<i>Torilis arvensis</i> (Huds.) Link var. <i>heterophylla</i> (Guss.) Thell.	Herb	Naturalized/weed

18	Apocynaceae	<i>Cynanchum altiscandens</i> K.Schum.	Climber	
19	Apocynaceae	<i>Gomphocarpus physocarpus</i> E.Mey.	Herb	
20	Araliaceae	<i>Cussonia holstii</i> Engl. var. <i>holstii</i>	Tree	
21	Araliaceae	<i>Cussonia spicata</i> Thunb.	Tree	
22	Asparagaceae	<i>Asparagus africanus</i> Lam.	Climber	
23	Asparagaceae	<i>Asparagus</i> sp.	Climber	
24	Asphodelaceae	<i>Aloe ?ellenbeckii</i> Berger	Herb	Cites II
25	Asphodelaceae	<i>Aloe lateritia</i> Engl. var. <i>lateritia</i>	Herb	Cites II
26	Asphodelaceae	<i>Aloe nyeriensis</i> Christian	Shrub	Cites II
27	Asphodelaceae	<i>Aloe secundiflora</i> Engl. var. <i>secundiflora</i>	Herb	Cites II
28	Asphodelaceae	<i>Trachyandra saltii</i> (Baker) Oberm. var. <i>saltii</i>	Herb	
29	Aspleniaceae	<i>Asplenium monanthes</i> L.	Herb	
30	Asteraceae	<i>Acmella calirrhiza</i> Delile	Herb	
31	Asteraceae	<i>Artemisia afra</i> Jacq. ex Willd.	Shrub	
32	Asteraceae	<i>Aspilia mossambicensis</i> (Oliv.) Wild	Shrub	
33	Asteraceae	<i>Bidens pilosa</i> L.	Herb	Naturalized/weed
34	Asteraceae	<i>Bothriocline fusca</i> (S.Moore) M.Gilbert	Shrub	
35	Asteraceae	<i>Carduus nyassanus</i> (S.Moore) R.E.Fr.	Herb	
36	Asteraceae	<i>Carduus schimperi</i> Sch.Bip.	Herb	
37	Asteraceae	<i>Cineraria deltoidea</i> Sond.	Herb	
38	Asteraceae	<i>Cirsium vulgare</i> (Savi) Ten.	Herb	Naturalized/weed
39	Asteraceae	<i>Conyza bonariensis</i> (L.) Cronquist	Herb	Naturalized/weed
40	Asteraceae	<i>Conyza schimperi</i> Sch.Bip. ex A.Rich. ssp. <i>longepapposa</i> R.E.Fr.	Herb	
41	Asteraceae	<i>Conyza</i> sp.	Herb	
42	Asteraceae	<i>Conyza steudelii</i> Sch.Bip. ex A.Rich.	Herb	
43	Asteraceae	<i>Cotula abyssinica</i> Sch.Bip.	Herb	
44	Asteraceae	<i>Crassocephalum crepidioides</i> (Benth.) S.Moore	Herb	
45	Asteraceae	<i>Dichrocephala chrysanthemifolia</i> DC.	Herb	
46	Asteraceae	<i>Dichrocephala integrifolia</i> (L.f.) Kuntze ssp. <i>integrifolia</i>	Herb	Naturalized/weed
47	Asteraceae	<i>Euryops chrysanthemoides</i> (DC.) B.Nord.	Shrub	
48	Asteraceae	<i>Galinsoga parviflora</i> Cav.	Herb	Naturalized/weed
49	Asteraceae	<i>Galinsoga quadriradiata</i> Ruiz & Pav.	Herb	Naturalized/weed
50	Asteraceae	<i>Gerbera</i> sp.	Herb	

51	Asteraceae	Gnaphalium unionis Sch.Bip. ex Oliv. & Hiern	Herb	
52	Asteraceae	Haplocarpha schimperi (Sch.Bip.) Beauverd	Herb	
53	Asteraceae	Helichrysum foetidum (L.) Cass.	Herb	
54	Asteraceae	Helichrysum forskahlia (J.F.Gmel.) Hilliard & B.L.Bur	Herb	
55	Asteraceae	Helichrysum globosum Sch.Bip.	Herb	
56	Asteraceae	Helichrysum nudifolium (L.) Less.	Herb	
57	Asteraceae	Helichrysum odoratissimum (L.) Sweet	Herb	
58	Asteraceae	Helichrysum schimperi (Sch.Bip.) Moeser	Herb	
59	Asteraceae	Hypochaeris glabra L.	Herb	
60	Asteraceae	Laggera alata (D.Don) Sch.Bip. ex Oliv.	Herb	
61	Asteraceae	Pseudognaphalium luteo-album (L.) Hilliard & B.L.Burt	Herb	
62	Asteraceae	Psiadia punctulata (DC.) Vatke	Shrub	
63	Asteraceae	Senecio hadiensis Forssk.	Climber	
64	Asteraceae	Senecio sp.	Herb	
65	Asteraceae	Solanecio angulatus (Vahl) C.Jeffrey	Climber	
66	Asteraceae	Sonchus luxurians (R.E.Fr.) C.Jeffrey	Climber	
67	Asteraceae	Tagetes minuta L.	Herb	Naturalized/weed
68	Asteraceae	Vernonia lasiopus O.Hoffm. var. acuta	Shrub	
69	Asteraceae	Vernonia syringifolia O. Hoffm.	Shrub	
70	Berberidaceae	Berberis holstii Engl.	Shrub	
71	Boraginaceae	Cordia africana Lam.	Tree	
72	Boraginaceae	Cynoglossum coeruleum A.DC. ssp. ?	Herb	
73	Brassicaceae	Lepidium bonariense L.	Herb	Naturalized/weed
74	Brassicaceae	Rorippa sp.	Herb	
75	Brassicaceae	sisymbrium officinale (L.) Scop.	Herb	
76	Campanulaceae	Wahlenbergia virgata Engl.	Herb	
77	Caryophyllaceae	Stellaria media (L.) Vill.	Herb	Naturalized/weed
78	Celastraceae	Maytenus heterophylla (Eckl. & Zeyh.) N.Robson	Shrub	
79	Celastraceae	Maytenus obscura (A.Rich.) Cufod.	Shrub	
80	Chenopodiaceae	Chenopodium murale L.	Herb	Naturalized/weed
81	Commelinaceae	Commelina africana L. var. villosum	Herb	
82	Commelinaceae	Commelina latifolia A.Rich.	Herb	
83	Convolvulaceae	Convolvulus sp.	Herb	
84	Convolvulaceae	Dichondra repens J.R.Forst. & G.Forst. var. repens	Herb	

85	Crassulaceae	Crassula alsinoides (Hook.f.) Engl.	Herb	
86	Crassulaceae	Crassula granvikii Mildbr.	Herb	
87	Crassulaceae	Crassula schimperi Fisch. & C.A.Mey.	Herb	
88	Crassulaceae	Kalanchoe densiflora Rolfe	Herb	
89	Cucurbitaceae	Lagenaria abyssinica (Hook.f.) C.Jeffrey	Climber	
90	Cucurbitaceae	Zehneria scabra (L.f.) Sond.	Climber	
91	Cupressaceae	Cupressus lusitanica	Tree	Exotic
92	Cupressaceae	Cupressus lusitanica Mill.	Tree	Exotic
93	Cupressaceae	Juniperus procera Endl.	Tree	
94	Cyperaceae	Bulbostylis boeckleriana (Schweinf.) Beetle var. transiens	Herb_Sg	
95	Cyperaceae	Carex sp.	Herb_Sg	
96	Cyperaceae	Cyperus aterrimus Steud.	Herb_Sg	
97	Cyperaceae	Cyperus dichroostachyus A.Rich.	Herb_Sg	
98	Cyperaceae	Cyperus rigidifolius Steud.	Herb_Sg	
99	Cyperaceae	Pycnus elegantulus (Steud.) C.B.Cl.	Herb_Sg	
100	Cyperaceae	Schoenoplectus corymbosus (Roem. & Schult.) J.Raynal var. corymbosus	Herb_Sg	
101	Dipsacaceae	Scabiosa columbaria L.	Herb	
102	Ericaceae	Blaeria johnstonii Engl.	Herb	
103	Euphorbiaceae	Clutia abyssinica Jaub. & Spach	Shrub	
104	Euphorbiaceae	Clutia abyssinica Jaub. & Spach var. abyssinica	Shrub	
105	Euphorbiaceae	Croton megalocarpus Hutch.	Tree	
106	Euphorbiaceae	Euphorbia inaequilatera Sond. var. inaequilatera	Herb	
107	Euphorbiaceae	Euphorbia schimperiana Scheele var. schimperiana	Herb	
108	Euphorbiaceae	Phyllanthus fischeri Pax	Shrub	
109	Fabaceae	Acacia abyssinica Hochst. ex Benth. ssp. calophylla Brenan	Tree	
110	Fabaceae	Acacia mearnsii De Wild.	Tree	Invasive/exotic
111	Fabaceae	Acacia melanoxylon R. Br.	Tree	Exotic
112	Fabaceae	Acacia xanthophloea Benth.	Tree	
113	Fabaceae	Albizia gummifera (J.F.Gmel.) C.A.Sm. var. gummifera	Tree	
114	Fabaceae	Argyrolobium fischeri Taub.	Herb	
115	Fabaceae	Colutea abyssinica Kunth & Bouch	Shrub	
116	Fabaceae	Crotalaria ?agatiflora Schweinf.	Tree	
117	Fabaceae	Crotalaria ?natalitia Meisn.	Shrub	
118	Fabaceae	Crotalaria agatiflora Schweinf. ssp.	Shrub	

119	Fabaceae	<i>Crotalaria incana</i> L. ssp. <i>purpurascens</i> (Lam.) Milne-Redh.	Herb	
120	Fabaceae	<i>Crotalaria</i> sp.	Herb	
121	Fabaceae	<i>Erythrina lysistemon</i> Hutch.	Tree	Exotic
122	Fabaceae	<i>Glycine wightii</i> (Wight & Arn.) Verdc.	Climber	
123	Fabaceae	<i>Indigofera arrecta</i> A.Rich.	Shrub	
124	Fabaceae	<i>Indigofera</i> sp.	Herb	
125	Fabaceae	<i>Indigofera spicata</i> Forssk.	Herb	
126	Fabaceae	<i>Lathyrus sphaericus</i> Retz.	Herb	
127	Fabaceae	<i>Senna</i> sp.	Shrub	Exotic
128	Fabaceae	<i>Tephrosia interrupta</i> Engl. ssp. <i>interrupta</i>	Shrub	
129	Fabaceae	<i>Trifolium semipilosum</i> Fresen.	Herb	
130	Fabaceae	<i>Trifolium</i> sp.	Herb	
131	Fabaceae	<i>Vicia sativa</i> L.	Herb	
132	Flacourtiaceae	<i>Trimeria grandifolia</i> (Burkill) <i>Sleumer</i> ssp. <i>tropica</i> (Burkill) <i>Sleumer</i>	Tree	
133	Geraniaceae	<i>Geranium arabicum</i> Forssk.	Herb	
134	Geraniaceae	<i>Geranium ?vagans</i> Baker ssp. <i>vagans</i>	Herb	
135	Hypericaceae	<i>Hypericum revolutum</i> Vahl	Shrub	
136	Iridaceae	<i>Gladiolus dalenii</i> van Geel ssp. <i>andongensis</i> (Baker) Goldblatt	Herb	
137	Lamiaceae	<i>Clinopodium abyssinicum</i> (Benth.) Kuntze	Herb	
138	Lamiaceae	<i>Clinopodium</i> sp.	Herb	
139	Lamiaceae	<i>Leonotis ocymifolia</i> (Burm.f.) Iwarsson	Shrub	
140	Lamiaceae	<i>Leucas masaiensis</i> Oliv.	Herb	
141	Lamiaceae	<i>Mentha longifolia</i> (L.) Huds.	Herb	
142	Lamiaceae	<i>Micromeria imbricata</i> (Forssk.) C.Chr.	Herb	
143	Lamiaceae	<i>Nepeta azurea</i> Beth.	Herb	
144	Lamiaceae	<i>Plectranthus kamerunensis</i>	Climber	
145	Lamiaceae	<i>Plectranthus</i> sp.	Herb	
146	Lamiaceae	<i>Salvia coccinea</i> Buc'hoz ex Etling	Shrub	Exotic
147	Lamiaceae	<i>Salvia nilotica</i> Jacq.	Herb	
148	Lobeliaceae	<i>Monopsis stellariodes</i> (C.Presl) Urb. ssp. <i>schimperiana</i> (Urb.) Thulin	Herb	
149	Loganiaceae	<i>Buddleja polystachya</i> Fresen.	Tree	
150	Loganiaceae	<i>Nuxia congesta</i> Fresen.	Tree	
151	Loranthaceae	<i>Englerina woodfordioides</i> (Schweinf.) Balle	Herb	Parasite
152	Malvaceae	<i>Abutilon longicuspe</i> A.Rich.	Shrub	

153	Malvaceae	Hibiscus macranthus A.Rich.	Climber	
154	Malvaceae	Malva parviflora L.	Herb	Naturalized/weed
155	Malvaceae	Pavonia urens Cav.	Shrub	
156	Malvaceae	Sida schimperiana Hochst. ex A.Rich.	Herb	
157	Malvaceae	Sida ternata L.f.	Herb	
158	Meliaceae	Ekebergia capensis Sparrm.	Tree	
159	Moraceae	Ficus thonningii Blume	Tree	
160	Moraceae	Morus rubra L.	Tree	
161	Myrsinaceae	Maesa lanceolata Forssk.	Tree	
162	Myrsinaceae	Myrsine africana L.	Shrub	
163	Myrtaceae	Eucalyptus globulus Labill.	Tree	Exotic
164	Myrtaceae	Eucalyptus sp.	Tree	Exotic
165	Oleaceae	Fraxinus pennsylvanica Marshall	Tree	Exotic
166	Oleaceae	Jasminum fluminense Vell.	Tree	
167	Oleaceae	Olea europaea L. ssp. cuspidata (Wall. & G. Don) Cif	Tree	
168	Oxalidaceae	Oxalis coniculata L. var. coniculata	Herb	Naturalized/weed
169	Passifloraceae	Passiflora mollissima (Kunth) L.H.Bailey	Climber	Naturalized/weed
170	Phytolaccaceae	Phytolacca dodecandra L'H, r.	Climber	
171	Pittosporaceae	Pittosporum viridiflorum Sims ssp. viridiflorum	Tree	
172	Plantaginaceae	Plantago palmata Hook.f.	Herb_Gs	
173	Poaceae	Agrostis sp.	Herb_Gs	
174	Poaceae	Andropogon ?canaliculatus Schumach.	Herb_Gs	
175	Poaceae	Andropogon schirensis A.Rich.	Herb_Gs	
176	Poaceae	Avena sativa L.	Herb_Gs	Oat
177	Poaceae	Brachypodium flexum Nees	Herb_Gs	
178	Poaceae	Bromus unioloides Kunth	Herb_Gs	Naturalized/weed
179	Poaceae	Calamagrostis epigejos (L.) Roth var. capensis	Herb_Gs	
180	Poaceae	Chloris pycnothrix Trin.	Herb_Gs	
181	Poaceae	Cynodon dactylon (L.) Pers.	Herb_Gs	
182	Poaceae	Cynodon nlemfuensis Vanderyst var. nlemfuensis	Herb_Gs	
183	Poaceae	Digitaria abyssinica (A.Rich.) Stapf	Herb_Gs	
184	Poaceae	Digitaria sp.1	Herb_Gs	
185	Poaceae	Digitaria sp.2	Herb_Gs	
186	Poaceae	Ehrharta erecta Lam.	Herb_Gs	
187	Poaceae	Eleusine jaegeri Pilg.	Herb_Gs	
188	Poaceae	Eragrostis braunii Schweinf.	Herb_Gs	
189	Poaceae	Eragrostis kiwuensis Jedwabn.	Herb_Gs	
190	Poaceae	Eragrostis racemosa (Thunb.) Steud.	Herb_Gs	

191	Poaceae	Eragrostis schweinfurthii Chiov.	Herb_Gs	
192	Poaceae	Eragrostis tenuifolia (A.Rich.) Steud.	Herb_Gs	
193	Poaceae	Exothea abyssinica (A.Rich.) Andersson	Herb_Gs	
194	Poaceae	Festuca sp.	Herb_Gs	
195	Poaceae	Helictotrichon elongatum (A.Rich.) C.E.Hubb.	Herb_Gs	
196	Poaceae	Hordeum vulgare L.	Herb_Gs	Barley
197	Poaceae	Hyparrhenia anamesa Clayton	Herb_Gs	
198	Poaceae	Pennisetum clandestinum Chiov.	Herb_Gs	
199	Poaceae	Pennisetum sphacelatum (Nees) T.Durand & Schinz	Herb_Gs	
200	Poaceae	Poa annua L.	Herb_Gs	Naturalized/weed
201	Poaceae	Poa leptoclada A.Rich.	Herb_Gs	
202	Poaceae	Setaria sphacelata (Schumach.) Moss	Herb_Gs	
203	Poaceae	Sporobolus agrostoides Chiov.	Herb_Gs	
204	Poaceae	Sporobolus quadratus Clayton	Herb_Gs	
205	Poaceae	Themeda triandra Forssk.	Herb_Gs	
206	Podocarpaceae	Afrocarpus gracilior (Pilg.) C.N.Page	Herb_Gs	
207	Podocarpaceae	Podocarpus milanjanus Rendle	Herb_Gs	
208	Polygalaceae	Polygala sphenoptera Fresen.	Herb_Gs	
209	Polygonaceae	Polygonum setosulum A. Rich	Herb_Gs	
210	Polygonaceae	Rumex steudelii Hochst. ex A.Rich.	Herb_Gs	
211	Polygonaceae	Rumex usambarensis (Dammer) Dammer	Shrub	
212	Primulaceae	Lysimachia ruhmeriana Vatke	Herb	
213	Ranunculaceae	Clematis simensis Fresen.	Climber	
214	Ranunculaceae	Ranunculus multifidus Forssk.	Herb	
215	Ranunculaceae	Thalictrum rhynchocarpum Dillon & A.Rich.	Herb	
216	Resedaceae	Caylusea abyssinica (Fresen.) Fisch. & C.A.Mey.	Herb	Vegetable
217	Rhamnaceae	Rhamnus prinoides L'H, r.	Tree	
218	Rhamnaceae	Rhamnus staddo A.Rich.	Tree	
219	Rosaceae	Alchemilla sp.1	Herb	
220	Rosaceae	Alchemilla sp.2	Herb	
221	Rosaceae	Cotoneaster franchetii Bois	Tree	Exotic
222	Rosaceae	Hagenia abyssinica (Bruce) J.F.Gmel.	Tree	
223	Rosaceae	Prunus africana (Hook.f.) Kalkman	Tree	Cites II, Vulnerable (VU)
224	Rosaceae	Rubus niveus Thunb.	Shrub	Naturalized/weed
225	Rosaceae	Rubus pinnatus Willd.	Shrub	
226	Resedaceae	Rubus volkensii Engl.	Shrub	

227	Rhamnaceae	Anthospermum herbaceum L. var. herbaceum	Herb	
228	Rubiaceae	Galium ossirwaense K.Krause var. ossirwaense	Herb	
229	Rubiaceae	Galium simense Fresen.	Herb	
230	Rubiaceae	Galium sp.2	Herb	
231	Rubiaceae	Oldenlandia monanthos (A.Rich.) Hiern	Herb	
232	Rubiaceae	Rubia cordifolia L. ssp. conotricha (Gand.) Verdc.	Herb	
233	Rutaceae	Toddalia asiatica (L.) Lam.	Climber	
234	Santalaceae	Osyridicarpos schimperianus A. DC.	Climber	
235	Santalaceae	Osyris lanceolata Hochst. & Steud.	Shrub	Cites II
236	Sapindaceae	Dodonaea viscosa Jacq. ssp. angustifolia (L.f.) J.G. West	Tree	
237	Scrophulariaceae	Anticharis senegalensis (Walp.) Bhandari	Herb	
238	Scrophulariaceae	Cycnium tenuisectum (Standl.) O.J.Hansen	Herb	
239	Scrophulariaceae	Hebenstretia angolensis Rolfe	Herb	
240	Scrophulariaceae	Verbascum brevipedicellatum (Engl.) Huber-Morath	Herb	
241	Scrophulariaceae	Verbascum sinaiticum Benth.	Herb	
242	Scrophulariaceae	Veronica abyssinica Fresen.	Herb	
243	Solanaceae	Datura stramonium L.	Herb	Naturalized/weed
244	Solanaceae	Physalis peruviana L.	Herb	Exotic
245	Solanaceae	Solanum aculeatissimum Jacq.	Herb	
246	Solanaceae	Solanum campylacanthum A. Rich.	Shrub	
247	Solanaceae	Solanum mauense Bitter	Shrub	
248	Solanaceae	Solanum nigrum L.	Herb	
249	Solanaceae	Solanum terminale Forssk. ssp. sanaganum (Bitter) Heine	Climber	
250	Sterculiaceae	Dombeya torrida (J.F.Gmel.) Bamps ssp. torrida	Tree	
251	Thelypteridaceae	Amauropelta ?bergiana (Schltld.) Holtum var. calva	Herb	
252	Urticaceae	Urera hypselodendron (A.Rich.) Wedd.	Climber	
253	Urticaceae	Urtica massaica Mildbr.	Herb	
254	Verbenaceae	Lantana trifolia L.	Shrub	
255	Verbenaceae	Verbena bonariensis L.	Herb	Naturalized/weed
256	Verbenaceae	Vitex keniensis Turrill	Tree	Endangered (EN)
257	Vitaceae	Cyphostemma cyphopetalum (Fresen.) Wild & R.B.Drumm. var. cyphopetalum	Climber	

258	Vitaceae	Cyphostemma kilimandscharicum (Gilg) Wild & R.B.Drumm. var.	Climber	
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