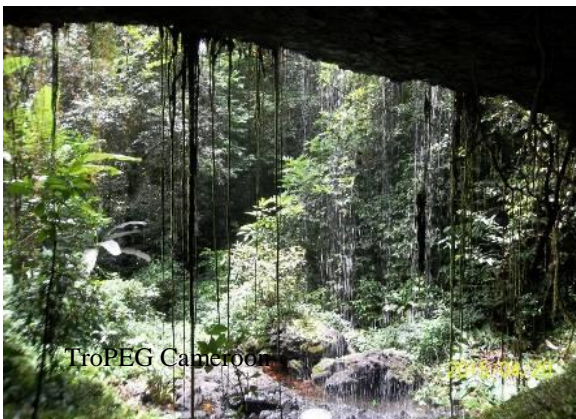


Patterns of Distribution and Endemism of Plants in the Cameroon Mountains





Patterns of Distribution and Endemism of Plants in the Cameroon Mountains

A case study of Protected Areas in Cameroon: Rumpi Hills Forest Reserve (RHFR) and the Kimbi Fungom National Park (KFNP).

Technical Report

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By
Sainge Nsanyi Moses
Tropical Plant Exploration Group (TroPEG) Cameroon
P.O. Box 18 Mundemba, South West Region, Cameroon
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Author: M. N. Sainge

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Tropical Plant Exploration Group (TroPEG) Cameroon

P.O. Box 18 Mundemba, Ndian, Southwest Region

Sainge2001@yahoo.com, tropeg.cam@gmail.com

(+237) 677513599

Edited by:

Ngoh Michael Lyonga and Benedicta Jailughe

Tropical Plant Exploration Group (TroPEG) Cameroon

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Executive summary

The Rumpi Hills Forest Reserve (RHFR) and the Kimbi-Fungom National Park (KFNP) are protected areas in Cameroon that were created as follows: In 1937 the Rumpi Hills Native Authority Forest under the Kumba Division was created with a surface area of 458.2 km² (Forestry Ordinance 51, 1941). From 1937 till date, the status of the forest has not changed. However, today some people call it Rumpi Hills Forest Reserve (RHFR) while others call it Rumpi Hills Wildlife Sanctuary. It is worth noting that despite these names, there is no signed official document changing the status of the 1937 Native Forest. This forest remains one of the protected areas in Cameroon with no definite field activity and no government conservator assigned to manage and monitor its affairs. The reserve has benefited from few plant survey (Thomas 1996) despite its scientific importance.

The Fungom Native Authority forest under the Bamenda Division was created in 1936. In 1964 the Kimbi Wildlife sanctuary in Boyo was also created. In February 2015, the Kimbi Wildlife Sanctuary was merged with the Fungom Native Authority Forest to give birth to the Kimbi Fungom National Park (KFNP).

The KFNP with a total surface area of 953.8 km² is just beginning to benefit from scientific exploration with this study being one of the recent detail surveys on the plants of this newly created and only national park in the region.

These two protected areas (RHFR and KFNP) are key areas for biodiversity conservation because they stretch across different vegetation and habitat types of Atlantic Biafran forest, piedmont, Submontane, Degraded Submontane, Montane, semi-deciduous, woody and grassland savanna. They are contrary to each other in terms of climate patterns hence RHFR is geographically located in a rainforest zone whereas the KFNP is in a dry zone, forming an ecotone. These protected areas are situated within three biodiversity hotspots: the Cameroon Mountains, the Guinean Forest of West Africa Biodiversity Hotspot and the Cameroon-Nigeria Chimpanzee biodiversity hotspot.

To fill the gap of lack of information in these two protected areas, a preliminary survey has been carried out by TroPEG Cameroon with funds from the Rufford Small Grant Foundation (Booster grant).

Our objectives in this work was to understand the biodiversity patterns of plants of these protected areas, record and develop a check list for endemic and threaten plants for each site. Forty-two (42) ha were sampled at different vegetation types, and gradients in the wet Rumpi

Hills and dry Kimbi-Fungom. Twenty-five (25) ha were surveyed at RHFR and 17 ha at KFNP. Survey was carried out based on three categories: Plot transects of 500 x 20 whereby all trees with DBH \geq 10 cm were measured, nested plots of 10 x 10 m whereby all trees with DBH 1-9.9 cm were measured, and an observational data which entails a general collection of plant specimens in flowers, fruits and sterile in the sample area. At the KFNP, tree heights were estimated in the field.

A total of eleven vegetation types were sampled ranging from 52 to 1778 m. Aslo 22, 561 stems were recorded in about 812species. 307 species could not be identified to family and species. Due to the richness of this survey results, we are interested in extending this survey to other mountain sites within the range: Mt Cameroon, Nlonako, Kupe, Maneguamba, Lebialem highlands, Mt Bamboutoes, Bali and Bafut Ngemba, Mt Oku, Kagwene, Mbi Crater to Tchabal Mbabo.

By Sainge Nsanyi Moses
TroPEG Cameroon

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Abbreviations

asl	Above Sea Level
cm	Centimetre
dbh	Diameter at Breast Height
FD	Flat dry forest
IUCN	International Union for the Conservation of Nature
KFNP	Kimbi Fungom National Park
Km	Kilometre
Km ²	Kilometer square
LPF	Lowland primary forest
M	Metre
MINFOF	Ministry of Forestry and Wildlife
MINRESI	Ministry of Scientific Research and Innovation
MS	Microsoft
PL	Plateau
PM	Piedmont Forest
QGIS	Quantum Geographic Information Systems
RHFR	Rumpi Hills Forest Reserve
SDF	Semi-deciduous forest
SF	Secondary or disturbed forest
SGSOC	S G Sustainable Oils Cameroon
SL	Slope
SMDF	Sub-montane disturb forest
SPF	Sub-montane primary forest
SW	Swamps
TroPEG	Tropical Plant Exploration Group
USA	United States of America
VY	Valley
WS	Woodland savannah

Background

Tropical Plant Exploration Group (TroPEG) is a non-Profit organization created in 2010 with a vision to conduct research geared to understand the biodiversity of Cameroon and the Guinean-Congolian Forest of West and Central Africa (a hub for Biodiversity Hotspot in Africa). In line with this, TroPEG's goal is not only to build the capacity of young researchers but also to help the government of Cameroon and the ecoregion to know its biodiversity through reports and published documents. This will help policy makers in national and across international boundaries to make better decisions on environmental issues. Being a non-profit organization, TroPEG most often generate funds either through general contributions of her members, consultancy or benefits from donor agencies. For instance the organization has benefited from the funds of donor agencies such as the Mohamed Bin Zay Species Conservation fund (2011) and the Rufford Small grant foundation (2012, 2013 and 2015).

In the absence of a detailed and consolidated floristic data across the Cameroon Mountains, particularly on the inland part that covers Western Cameroon, Tropical Plant Exploration Group (TroPEG) Cameroon put forward a proposal to Rufford Small Grant Foundation to achieve this with focus on mountains ecosystems. These ecosystems include the Rumpi Hills Forest Reserve (RHFR) and the Kimbi Fungom National Park (KFNP). Both protected areas that straddle on the Cameroon Mountains ecosystems and before now this work were measurable data gaps in terms of biodiversity and floral distributional patterns.

The Cameroon Mountains form a huge ecological zone coined by other authors as the Biafran forests and highlands (Cronin et al., 2014), the Cameroon Line (Nono et al. 2004), or Cameroon Volcanic Line (Ayonghe et al. 1999, Marzoli et al. 2000). This zone is made up of a chain of volcanic and plutonic isolated mountain peaks that covers about 40,877 km². It extends from Pagalu Island in the Gulf of Guinea to the Mandara Mountains in the interior. The oceanic portion of the mountain chain covers about 2998 km² (Frodin 2001) that runs from Pagalu through São Tomé, Príncipe, to Bioko Island (Ayonghe et al. 1999, Frodin 2001). The continental portion of the mountain chain covers about 37,879 km² with about 17 protected areas out of the over 33 protected areas in Cameroon. This protected areas extend from Mt Cameroon,

Mt Etinde , Rumpi Hills, Mt Nlonako, Kupe-Muanengouba Mountains, the Libialem highlands, Mt Bamboutos, through the Bamenda highlands (Bali-Ngemba, Bafut Ngemba, Mt Oku, Kagwene wildlife sanctuary, Mbi Crater, Nkom-Wum forest Reserve, Kimbi Fungom National Park – recently gazetted as National Park, Mbembe Forest Reserve, Rhum Rock), Adamawa plateau (Tchabal Mbabo), to the Mandara Mountains. This mountain chain also extends into southeastern Nigeria on the Obudu plateau, Mambilia to the Biu Plateau. The Cameroon Mountains form a long stretched that intercept with two important ecoregions. The Guinean Forest of West African that extends from Senegal in upper Guinea to Western Cameroon in part of the lower Guinea (Poorter et al. 2004), and the Nigeria-Cameroon Chimpanzee Biodiversity hotspot (Morgan et al. 2011) that extends from south eastern Nigeria to Western Cameroon.

Generally, the mountain ecosystem seems to be a mosaic of biodiversity as it cuts across different habitats and vegetation types. This ecosystem is usually associated with other landscapes (Neba 1999). The Cameroon Mountain range is a host of numerous lakes and waterfalls such as Lake Kaita, L. Barombi Mbo, L. Barombi Kotto, L. Idenau, L. Dissou, Edib Crater Lake, twin L. Muanengouba, L. Awing, L. Oku, L. Benakouma, L. Wum, L. Nyos etc. and the waterfalls of Ekombe, Eyouwa, Menchum, Mbengwi, and Fungom etc.

It forms a transition between the lowland to montane wet forest and the lowland to montane dry forest termed ecotone. This allows our described zone to form a mosaic of plant communities ranging from lowland, submontane, montane, afromontane, primary and secondary vegetation. It can be concluded from this survey that this forest holds one of the tallest, rare, and huge buttress trees of the mountains of West and Central Africa.

White (1983) classifies the vegetation of the Cameroon Mountains into 4 vegetation types: Forest, Forest transition and mosaic, woodland, and woodland mosaic and transition. Letouzey (1985) grouped the vegetation of Cameroon into 267 different vegetation types, many of which cut across the Cameroon Mountains. Such as Montane, Submontane, degraded submontane, Atlantic forest of the northwest type (piedmont forest), Atlantic Biafran forest, highly degraded evergreen forest, mixed Atlantic and semi-deciduous forest, predominated with elements of evergreen Atlantic forest (transition forest), Natural palm forest, Guineo-sudanian savanna, Sudanian-Sahel savanna, and the Guineo-Congolense Nigerian forest.

Due to inaccessibility, coarse, enclave of the area, and limited funds available for this work, this study took reconnaissance of all these. Hence, five vegetation types were selected in the Rumpi Hills area i.e. plots were set at the Atlantic Biafran forest in the south, and northwest of the reserve, piedmont forest in the north, submontane, degraded submontane and montane forest in the east of the reserve. Though administratively Mount Rata is out of the Rumpi Hills forest reserve, geographically it is the highest peak at 1778 m.

In the Kimbi Fungom National Park, plots were set at six vegetation types: Gallery Forest, Grassland savanna, mixed vegetation, Primary forest, Secondary forest, and Woody savanna. This region falls within the Cameroon-Guinea center of endemism with 3000-4000 species of plants (Barthlott et al. 2005).

The broader idea behind this study was aimed at understanding the distributional and diversity patterns of vegetation, structure, and composition of the Cameroon Mountains with focus on the wet Rumpi hills forest in South West Region of Cameroon and dry Kimbi Fungom National Park in the North West Region of Cameroon. Compare patterns among the different mountain masses across the Cameroon Mountains. Our hypothesis was to understand if actually there exist a difference in species composition at different vegetation types and elevations across the Cameroon Mountains ecosystem.

The specific objectives of this survey were to:

1. Identify the different vegetation types and described their forest structure, composition and diversity.
2. Identify the important plant species at each vegetation type.
3. Compare diversity and composition among vegetation types.

On the bases of this technical report, we focused on understanding the patterns of distribution and endemism of species at the different vegetation types across the Rumpi Hills and Kimbi Fungom forest.

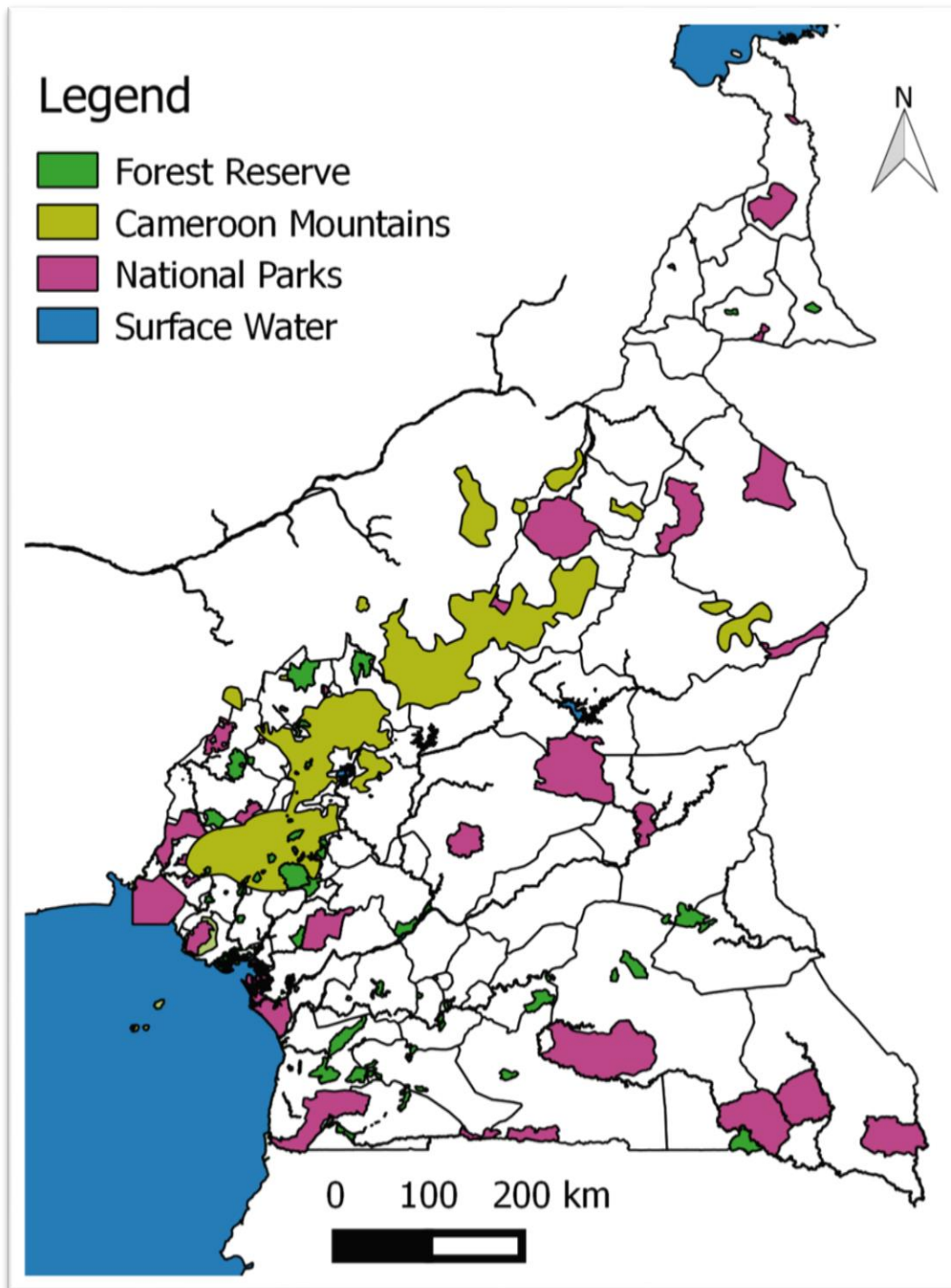


Figure 1: Protected Areas in Cameroon including the Cameroon Mountains Ecoregion

Methods

Field Survey

Standard methods of assessing plant diversity, and abundance in tropical forest via line transects and plots were adapted by Tropical Plant Exploration Group (TroPEG) from Condit (1998) and Pyke et al., (2001).

The advantage of this method is the fact that sample plots were delimited and documented, so as to permit visits at periodic intervals into the future to carry out re-measurement of all tagged and mapped trees, as well as repeat inventories of the broader flora. This permanency will enable us to understand the dynamism of tree populations and to understand how this forest setting is changing over time. Forty-two 1 ha plots were established randomly across the study areas in eleven vegetation types at different elevation gradients.

Survey was carried out in a 500 m line transect cutting through the center of two plots each measuring 500 x 20 m. Plots were further sub divided into 25 quadrats of 20 x 20 m each. GPS coordinates at the four corners of each plot were recorded via careful, repeated measures with a precision of ± 5 m, to ensure accuracy. On each transect, GPS points were also recorded at every 100 m including the start and end points. Thus each transect was made-up of two plots (2-ha) of 500 x 40 m. All standing trees and lianas with diameter at breast height (DBH, 1.3 m) ≥ 10 cm were measured with a diameter tape. Five quadrats of 10 x 10 m within each 1-ha were selected after every 5 quadrats (Quadrat 1, 6, 11, 16, and 21) where trees and lianas of DBH, 1 - 9.9 cm were measured with a caliper. This overall data scheme enables us to understand the species composition, and forest structure of our study area from saplings, canopy to emergent tree species. All tagged trees were mapped. Tree mapping was achieved via GPS tracking of individually tagged trees across the plot. Plant samples were collected using a collecting pole and secateurs from every sampled individual mostly species that could not be identified in the field. All samples were described, pressed, dried, sorted and identified at the National Herbarium in Yaounde-Cameroon. Observational data was also recorded to improve on the species list of the area. Observational data are made up of a general plant collection of the area irrespective of

whether they are found in the sampling plots, in flowers, fruits, or sterile. This has given us a preliminary inventory of the area.

The RHFR was surveyed from four directions. In the south with entry point at Munyange village, 8 ha were sampled at the lowland forest. In the east with entry point at river Madie, 2 ha were sampled at the sub-montane forest, still in the east at the summit of Mt Rata, 2 ha were sampled at montane forest and at the base of Mt Rata on disturbed vegetation (degraded submontane) 1 ha was sampled. In the north with entry point at Matamani village, 4 ha were sampled at the lowland vegetation and 8 ha at the piedmont vegetation (Annex 2).

Due to limited funds, this study was concentrated at the Fungom compartment on the way from Esu to Furu Awa via Tunka-Esu and Kpep. 11 ha were established in the forest west of Kpep, while at Tunka-Esu 6 ha were established (Annex 3).

Data Analysis

Data collected was entered in MS excel 2010, and cleaned for uniformity (Codes generated in the field and all collected specimens number matches the species names and families on the database). Basal area and Shannon-Weiver diversity index were calculated.

Part 1: CASE STUDY: RUMPI HILLS FOREST RESERVE AND KIMBI FUNGOM NATIONAL PARK, CAMEROON

1. RUMPI HILLS FOREST RESERVE

1.1 Location of Study Site

The Rumpi Hills forest Reserve is located at latitude 4.606–4.984° N and longitude 8.821–9.364° E in Ndian Division, South West Region of Cameroon.

It covers four sub-divisions (Toko to the north, Dikome Balue to the east, Ekondo-titi to the south and Mundemba to the West). It is surrounded by three tribes namely the Ngolo, Bima, and the Balues.

1.2 Description of study site

The Rumpi Hills forest is lowland, sub-montane to montane forest. Politically, the Rumpi Hills does not include Mt Rata but geographically it does giving the reserve an elevation which ranges from about 52 m in the south to about 1778 m in the east at the summit of Mt Rata which is the highest peak in Ndian. It has a horse shoe structure covering a surface area of 458.2 km² (Forestry Ordinance 51, 1941). This structure forces the northern and southern part of the reserve to be on parallel grids and could be serving as a climate trap. This forest area is enclave and accessibility is a serious problem making the reserve free from human settlement as no village is found in the core area of the reserve. As a result, less than 10% of this reserve has been encroached for agriculture since its creation in 1937 (figure 2). It is likely that this encroachment may increase over the years following the establishment of huge agro-industrial companies like Pamol Plantation Limited in the south near Munyange, Nalende and Kita, and SG Sustainable Oils Cameroon in the north near Fabe, and Meta (Kupsch et al. 2014). For the time being, this forest remains one of the remnants sub-montane forests that its biodiversity has not been exploited in great details.

Reforestation sites are situated at the borders of the reserve such as Matamani in the northwest, Meta in the north, Madie and Dikome Balue in the east, Munyange and Nalende in the south and

Mbange, Bossunga, Motindi, and Lipenja Mukete in the west. These villages are within 1-3km from the reserve margin.

Preliminary biodiversity surveys ever carried out in this reserve were that of Tarh 2001, Thomas 1996, Usongo 1995, and Laurent 1992. In recent times, the only detail plant survey has been this piece of work and that of a reconnaissance survey carried out in July 2014 on Mt Rata by this same group - TroPEG. In March 2015 a team of experts led by A. Townsend Peterson from the Kansas University, USA made other investigations on birds, reptiles, and amphibians (Peterson et al, in preparation).

Letouzey 1985 classified the vegetation of the Rumpi Hills into five types: Submontane, degraded submontane, Atlantic forest of the northwest type (piedmont forest), Atlantic Biafran forest and highly degraded evergreen forest. Taking into consideration Letouzey's classification, the inaccessibility, coarse, enclave, and insufficient funds for this study, the study was limited to three vegetation types of interest: plots were set at the Atlantic Biafran forest in the southwest and northwest of the reserve, piedmont forest in the north and the submontane forest in the east of the reserve.

However, biodiversity inventory till date still remains a very important tool in assessing forest structure, biomass, and compositions.

1.3 Climate

The fluctuation in temperature along different elevations and vegetation types in the Rumpi Hills forest reserve partly explains the high plant diversity in different communities. Temperature within the reserve varies with the lowest at the top of Mt Rata. Nembot and Tchanou (1998) reported a temperature of 22° C and an annual rainfall of 5000 mm for the reserve. The area exhibits a short period of dry season taking sometimes four months that is December to March. In some years, only three months (January-March) of dry season are experienced (Sainge, pers. obser.). Rainfall is high mostly in the south west corner of the reserve (Sainge, pers. obser.). Unfortunately till date no proper weather station has been installed to obtain regular climatic data for this reserve. We assumed that due to the proximity this reserve has with Korup National Park,

Mundemba whose rainfall average ~ 6 m per year (Chuyong et al. 2000) this reserve will definitely be high in rainfall.

1.4 Topography

The horse shoe structure of the Rumpi Hill forest Reserve is a characteristic feature of the reserve (Figure 2). In the south, starting from the craters of river Moko through Munyange to Nalende, the elevation ranges from < 100 m to 800 m, in the North West from Matamani crossing river Moriba to the piedmont vegetation, the elevation ranges from 150 – 800 m. West to east of the reserve from Mbange, Lipenja- Mukete, Bossuga in the west to Dikome Balue, and Madie in the east, the topography is hilly with an elevation range of 800 - 1778 m at the top of Mt Rata. The Rumpi Hills can be accessed from the North West through a path that leads from Matamani to Meta, Ewai, to Iyombo. In the West by a path leading from Meka via Mosaqwa to Iyombo, which is also possible from Mosaqwa to Motindi, Boa Yenge (with only hunting camps) to Bossunga, Mbange, and Lipenja, to the south from Munyange to Nalende or from Kita to Nalende there is a path that goes to Mbange, Lipenja Mukete, Bossunga, Boa Yenge to Motindi. The survey team was informed that a path exist from Boa Yenge, Motindi to Dikome Balue, in the east a path exist from Dikome Balue and Madie River to the reserve and also another access path from Dikome Balue to the top of Mt Rata.

1.5 Hydrography

The RHFR is a platform for different river sources and is the beginning of the Cameroon principal watershed that continues through Mt's Kupe, Manenguba, Bamboutoes, Bamenda highlands, Banyo, Adamawa plateau to the Ubangi-Shari in Nigeria (Ngwa 1978). The rivers of this reserve flow in five different directions: North into Lake Chad, via river logone; North West into river Benue, South West into the Gulf of Guinea, via River Ndian (Moriba), Moko, Meme, Mungo, and Wouri; South east into Kadei, a tributary of the Congo River, and West into Nigeria, via River Munaya, and Mbo. Hence, Rumpi Hills is a watershed for five major basins of the world: The Chad, Benue, Sanaga, Congo, and the Manyu Basin (Ngwa 1978).

1.6 Fauna

The most detail fauna survey of this reserve is that of Laurent (1992), Usongo (1995) and Tarh (2001), reporting the presences of elephants, chimpanzees, porcupine, deer, duiker and Alligator. Laurent (1992), described Water chevrotain, Ogilby's duiker, Elephants, and Collared mangabey as vulnerable species, while Red colobus, Angwantibo, Drill, Russet-eared guenon, Preuss's guenon and Chimpanzees as threatened species. This reserve is well known of its four montane species of birds that is Near Threatened: The White-necked pigeon (*Columba albinucha*), the green-breasted bush-shrike, the white-throated mountain-babbler, and the grey necked picathartes. More recently a survey of Birds, Reptiles, and amphibian was carried out by researchers from the Biodiversity Institute of the University of Kansas, USA (Peterson et al. in prep.). The Regional Action Plan for the conservation of the Nigeria-Cameroon Chimpanzee (*Pan troglodytes ellioi*) 2011, reports the presence of Chimpanzee in the Rumpi Hills Forest Reserve.

1.7 Vegetation of the Rumpi Hills Forest Reserve

Prior to this survey, rapid botanical collections have been carried out in this reserve by Dang D., Letouzey R., Polhill, Satabie B., and Thomas D.W between 1976 and 1984 with about 57 botanical specimens recorded (National Herbarium of Cameroon database). It was until 1996 that Thomas W. Duncan did a rapid botanical survey of the area (Thomas 1996). In the year 2000–2004, three botanical collection trips were carried out by Thomas W. Duncan, Kenfack D, and M.N. Sainge. During one of these trips, about 300 specimens were collected by sampling three 50x50 m plots giving approximately 181 species.

The five vegetation types of Rumpi Hills mapped by Letouzey 1985 are the Submontane forest (No.117), degraded submontane forest (No. 119), Atlantic forest of the North West type not dominated by caesalpiniaceae species, with semi-deciduous elements mapped as piedmont with 500 m contour as a guide (No. 205), Highly degraded evergreen forest (No. 208), and Atlantic Biafran forest rich in Casalpiniaceae (No. 228).

Submontane Forest (117)

The Submontane forest (117) with an approximate size of 104.7 km² ranges above c. 800 – 1778 m, this vegetation type is located in the east, south and northeast of the reserve. Five vegetation plots were sampled at elevation of 1335 – 1775 m. The forest is represented by canopy species such as *Xylopia africana*, *Oncoba lophocarpa*, *Carapa angustifolia*, and *Carapa oreophilla*. The understory is sparse with canopy species covered with numerous species of epiphytes (orchids, moss, lichen, liverwort, bryophyte, and piperaceae). This cloud forest remains a data gap in the study of cryptic species (orchids, moss, bryophyte, piperaceae, and liverwort). Dry savanna vegetation is represented at the slope of Mount Rata at an elevation of 1450 to 1600 m with dominating species like spine grass, elephant grass etc. The only human settlement at high elevation is Dikome Balue at about 1100 m.

Atlantic forest of the North West type, not dominated by caesalpiniaceae species, with semi-deciduous elements (205). This forest is mapped by Letouzey as piedmont with 500 m contour as a guide. It covers part of the western sector of the reserve with an approximate size of 110 km². This vegetation type is located in the north of the reserve. Eight vegetation plots were sampled at elevation range of 400-800 m. The mixed forest vegetation type at this range harbors sparse understory and is dominated with species of *Englerophyton* sp., *Annickia chlorantha*, *Blighia sapida*, *Oubanguia alata*, and *Crateranthus talbotii*.

Atlantic Biafran forest rich in Casalpiniaceae (228) is usually known as lowland evergreen forest and covers an approximate area of 230 km². This vegetation type is located in the south, north, and North West of the reserve, and covers the greatest part of the reserve. Twelve vegetation plots were sampled here at elevation of 52-296 m with species of *Korupiodendron songweanum*, *Dienbollia angustifolia*, *Dienbollia unijugum*, *Phyllobotryon spathulatum*, and *Lecomtedoxa klainianum*. The vegetation is thick with dense undergrowth.

Degraded submontane forest (119) with an approximate size of 1.87 km² occurs in the northeast and southeast of the reserve closed to Dikome-Balue and Madie villages. One vegetation plot was sampled here at an elevation of 1422 m with species of *Alangium chinense*, *Albizia zygia*, *Alchornea cordifolia*, *Alchornea floribunda*, *Antidesma laciniatum*, and *Bridelia grandis*.

Highly degraded evergreen forest (208), has an approximate size of 5.08 km² (508 ha). This forest has been degraded through agricultural activities as they occur closed to large settlements

such as Iyombo, Toko, Mbange, Boa Yenge, Lipenja-Mukete, Mundemba, and Meka (Figure 2 & 3).

1.8 Rumpi Hills Vegetation Classification

Based on Letouzey's vegetation classification, we categorized the elevation gradient and vegetation of Rumpi Hills into six vegetation types

Table 1: Vegetation classification in the Rumpi Hills Forest

Elevation gradient (m)	Description of vegetation type
0 – 400	Atlantic Biafran forest rich in Casalpiniaceae.
400 – 800	Atlantic forest of the North West type, not dominated by caesalpiniaceae species, with semi-deciduous elements.
800 – 1600	Submontane forest
> 1600 m	Montane
900 – 1450	degraded submontane forest
100 – 400	Highly degraded evergreen forest

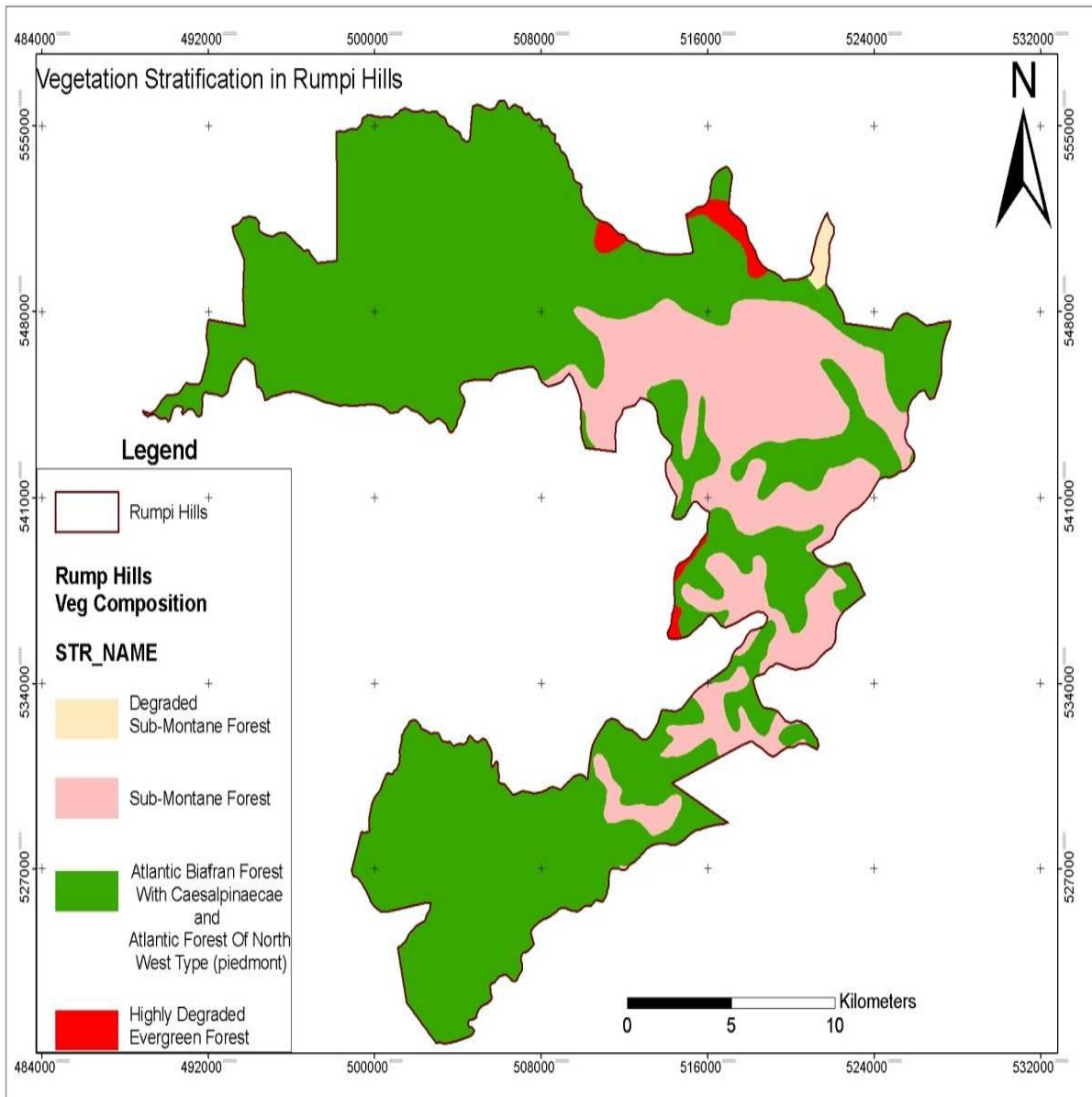


Figure 2: Vegetation Stratification of Rumpi Hills

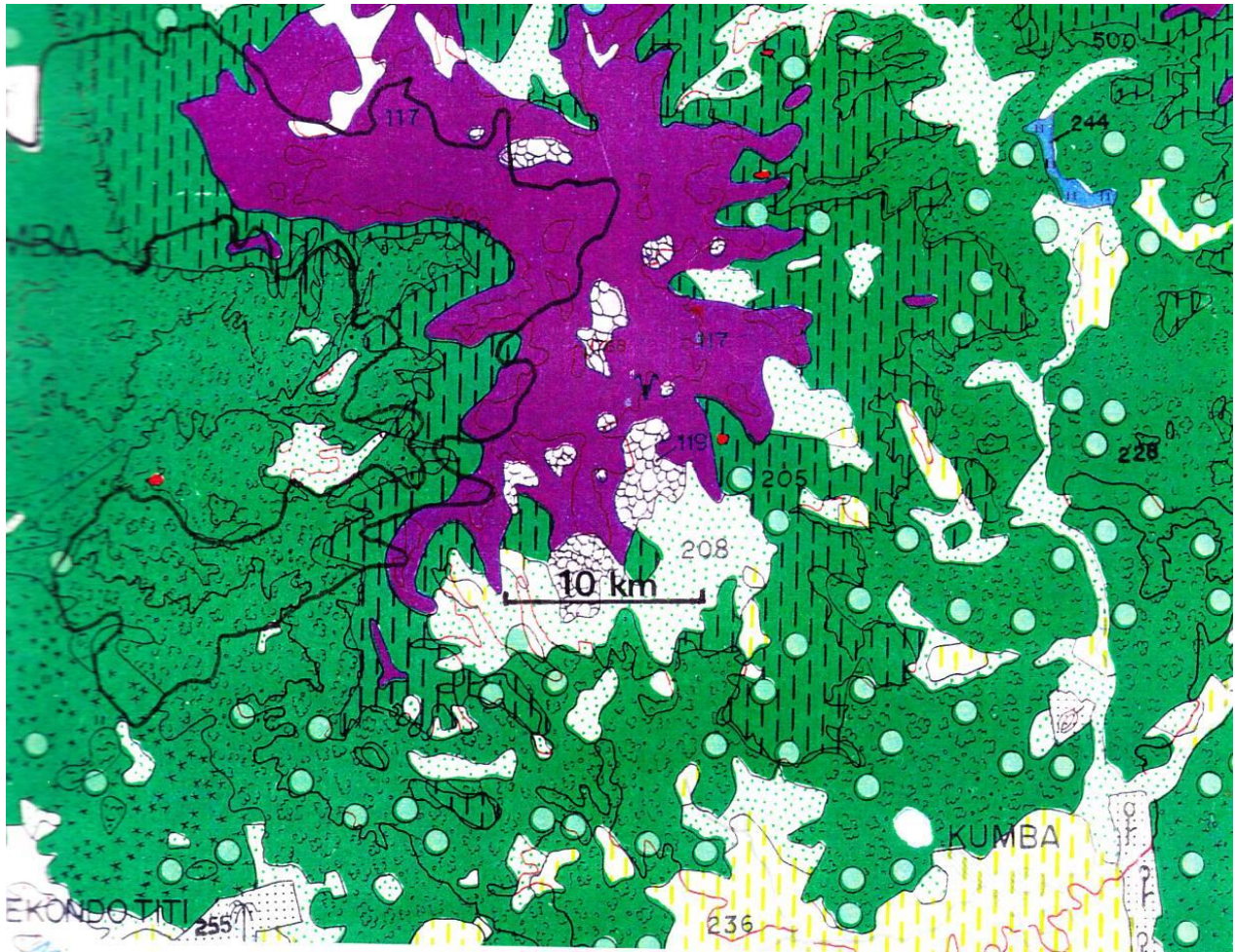


Figure 3: Vegetation types of the Rumpi Hills area, scanned from Letouzey (1985)

117 Submontane forests

119 Degraded submontane forest

205 Atlantic forest of the North West type, not dominated by Caesalpiniaceae with semi-deciduous elements. This forest is mapped by Letouzey as Piedmont; he used the 500 m contour as a guide.

208 Highly degraded evergreen forest

228 Atlantic Biafran forest with Caesalpiniaceae (Lowland rainforest)

1.9 Results

1.9.1 Degraded Submontane Forest

During this survey, 1 ha was sampled at a degraded forest with 387 individual's plants in 45 species.

Table 2: Degraded forest species list

Family	Species	Frequency
?	? ?	13
Alangiaceae	<i>Alangium chinense</i>	4
Fabaceae	<i>Albizia zygia</i>	1
Euphorbiaceae	<i>Alchornea cordifolia</i>	11
Euphorbiaceae	<i>Alchornea floribunda</i>	15
Sapindaceae	<i>Allophyllus</i> sp.2	1
Phyllanthaceae	<i>Antidesma laciniatum</i>	1
Phyllanthaceae	<i>Antidesma</i> sp.	1
Phyllanthaceae	<i>Bridelia grandis</i>	37
Meliaceae	<i>Carapa oreophila</i>	2
Malvaceae	<i>Cola rostrata</i>	3
Malvaceae	<i>Cola verticillata</i>	7
Rubiaceae	<i>Craterispermum aristatum</i>	1
Euphorbiaceae	<i>Croton</i> sp.	1
Ruscaceae	<i>Dracaena arborea</i>	19
Ruscaceae	<i>Dracaena bicolor</i>	1
Orchidaceae	<i>Epipogium roseum</i>	1
Euphorbiaceae	<i>Euphorbia</i> sp.	1
Moraceae	<i>Ficus mucuso</i>	9
Malvaceae	<i>Glyphaea brevis</i>	1
Salicaceae	<i>Homalium</i> sp.	1
Euphorbiaceae	<i>Jatropha curcas</i>	1
Bignoniaceae	<i>Kigelia africana</i>	7
Leeaceae	<i>Leea guineensis</i>	5
Euphorbiaceae	<i>Macaranga</i> sp.	74

Phyllanthaceae	<i>Margaritaria discoidea</i>	29
Annonaceae	<i>Monodora myristica</i>	6
Lecythidaceae	<i>Oubanguia alata</i>	2
Rubiaceae	<i>Pauridiantha viridiflora</i>	42
Rubiaceae	<i>Pavetta</i> sp.1	1
Lauraceae	<i>Persea americana</i>	2
Araliaceae	<i>Polycias fulva</i>	4
Apocynaceae	<i>Rauwolfia vomitoria</i>	9
Euphorbiaceae	<i>Sapium</i> sp.	1
Olacaceae	<i>Strombosiopsis tetrandra</i>	2
Olacaceae	<i>Symphonia globulifera</i>	3
Apocynaceae	<i>Tabernaemontana brachyantha</i>	2
Apocynaceae	<i>Tabernaemontana ventricosa</i>	3
Fabaceae	<i>Talbotiella korupensis</i>	3
Acanthaceae	<i>Thunbergia affinis</i>	5
Ulmaceae	<i>Trema orientalis</i>	49
Anacardiaceae	<i>Trichoscypha preussii</i>	1
Annonaceae	<i>Uvariastrum pynaertii</i>	1
Asteraceae	<i>Vernonia conferta</i>	1
Lamiaceae	<i>Vitex</i> sp.6	4
Grand Total		388

1.9.2 Montane Forest

During this survey, 2 ha were sampled at a montane forest with 1350 individual's plants in 61 species.

Table 3: Montane Forest Species list

Family	Species	Frequency
?	? ?	58
Ericaceae	<i>Agarista salicifolia</i>	1
Sapindaceae	<i>Allophyllus</i> sp.2	1
Myrsinaceae	<i>Ardisia</i> sp.	2
Rubiaceae	<i>Bertiera aequatorialis</i>	1
Phyllanthaceae	<i>Bridelia grandis</i>	14
Meliaceae	<i>Carapa oreophila</i>	137
Rubiaceae	<i>Coffea</i> sp.	1
Malvaceae	<i>Cola nitida</i>	5
Malvaceae	<i>Cola verticillata</i>	42
Achariaceae	<i>Dasylepis thomasii</i>	113
Sapindaceae	<i>Deinbollia</i> sp.	11
Dichapetalaceae	<i>Dichapetalium</i> sp.	1
Dichapetalaceae	<i>Dichapetalium</i> sp.2	5
Phyllanthaceae	<i>Drypetes</i> sp.7	40
Sapotaceae	<i>Englerophytum</i> sp.3	4
Sapotaceae	<i>Gambeya lacourtianum</i>	26
Clusiaceae	<i>Garcinia</i> cf <i>polyantha</i>	91
Clusiaceae	<i>Garcinia mannii</i>	2
Clusiaceae	<i>Garcinia polyantha</i>	97
Clusiaceae	<i>Garcinia</i> sp.	13
Salicaceae	<i>Homalium longistylum</i>	1
Salicaceae	<i>Homalium</i> sp.	2
Rubiaceae	<i>Ixora</i> sp.2	1
Icacinaceae	<i>Leptaulus daphnoides</i>	2
Malvaceae	<i>Leptonychia macrantha</i>	1
Euphorbiaceae	<i>Macaranga</i> sp.	1

Myrsinaceae	<i>Maesa lanceolata</i>	7
Melastomataceae	<i>Memecylon</i> sp.2	5
Cecropiaceae	<i>Myrianthus arboreus</i>	2
Salicaceae	<i>Oncoba lophocarpa</i>	16
Salicaceae	<i>Oncoba</i> sp.2	1
Sapindaceae	<i>Paullinia pinnata</i>	1
Rubiaceae	<i>Pauridiantha floribunda</i>	1
Rubiaceae	<i>Pauridiantha</i> sp.	2
Rubiaceae	<i>Pavetta</i> sp.	14
Piperaceae	<i>Peperomia fernandopoiana</i>	1
Apocynaceae	<i>Pleiocarpa</i> sp.	12
Annonaceae	<i>Polyanthia suaveolens</i>	2
Rubiaceae	<i>Psychotria martinetugei</i>	1
Rubiaceae	<i>Psychotria peduncularis</i>	14
Rubiaceae	<i>Psychotria</i> sp.6	7
Rubiaceae	<i>Psychotria</i> sp.8	8
Rubiaceae	<i>Psychotria</i> sp.10	7
Celastraceae	<i>Salacia pynaertii</i>	1
Euphorbiaceae	<i>Sapium</i> sp.	9
Araliaceae	<i>Schefflera abyssinica</i>	6
Araliaceae	<i>Schefflera hierniana</i>	1
Rubiaceae	<i>Schumanniohyton</i> sp.	3
Olacaceae	<i>Strombosia</i> sp.1	196
Clusiaceae	<i>Symphonia globulifera</i>	20
Myrtaceae	<i>Syzygium rowlandii</i>	14
Myrtaceae	<i>Syzygium staudtii</i>	36
Apocynaceae	<i>Tabernaemontana ventricosa</i>	47
Anacardiaceae	<i>Trichoscypha</i> sp.10	61
Anacardiaceae	<i>Trichoscypha</i> sp.8	23
Asteraceae	<i>Vernonia conferta</i>	16
Annonaceae	<i>Xylopia aff. africana</i>	37
Annonaceae	<i>Xylopia africana</i>	97

Rutaceae	<i>Zanthoxylon</i> sp.4	2
Fabaceae	<i>Zenkerella citrina</i>	7
Grand Total		1350

1.9.3 Submontane Forest

We sampled 2 ha of this vegetation type with 1551 individual stems in 119 species

Table 4: Submontane Forest species list

Family	Species	Frequency
?	? ?	67
Acanthaceae	<i>Acanthus montanus</i>	1
Sapindaceae	<i>Allophyllus</i> sp.3	5
Phyllanthaceae	<i>Antidesma chevalieri</i>	1
Phyllanthaceae	<i>Antidesma</i> sp.	15
Anacardiaceae	<i>Antrocaryon</i> sp.	1
Fabaceae	<i>Aphanocalyx</i> sp.	1
Myrsinaceae	<i>Ardisia</i> sp.	1
Rubiaceae	<i>Aulacocalyx talbotii</i>	13
Lauraceae	<i>Beilschmiedia mannii</i>	1
Lauraceae	<i>Beilschmiedia</i> sp.	5
Lauraceae	<i>Beilschmiedia</i> sp.2	2
Lauraceae	<i>Beilschmiedia</i> sp.22	4
Sapindaceae	<i>Blighia sapida</i>	6
Phyllanthaceae	<i>Bridelia grandis</i>	16
Ochnaceae	<i>Campylospermum flavum</i>	1
Meliaceae	<i>Carapa</i> sp.	57
Salicaceae	<i>Casearia barteri</i>	1
Chrysobalanaceae	<i>Chrysobalanus icaco</i>	1
Rubiaceae	<i>Coffea</i> sp.	3
Malvaceae	<i>Cola nitida</i>	1
Malvaceae	<i>Cola verticillata</i>	78
Olacaceae	<i>Coula edulis</i>	1
Euphorbiaceae	<i>Croton</i> sp.	7

Rubiaceae	<i>Cuviera subuliflora</i>	10
Caricaceae	<i>Cylicomorpha solmsii</i>	5
Chrysobalanaceae	<i>Dactyladenia</i> sp.1	13
Achariaceae	<i>Dasylepis thomasii</i>	98
Dichapetalaceae	<i>Dichapetalium heudelotii</i>	1
Olacaceae	<i>Diogoia</i> sp.	82
Ebenaceae	<i>Diospyros cinnabarina</i>	59
Euphorbiaceae	<i>Discoglyprena caloneura</i>	1
Phyllanthaceae	<i>Drypetes gosweleri</i>	3
Phyllanthaceae	<i>Drypetes</i> sp.3	2
Sapotaceae	<i>Englerophytum</i> sp.	7
Sapindaceae	<i>Eriocoelum macrocarpum</i>	20
Rubiaceae	<i>Euclinia longiflora</i>	1
Myrtaceae	<i>Eugenia</i> sp.2	5
Euphorbiaceae	<i>Euphorbia</i> sp.2	1
Moraceae	<i>Ficus</i> sp.	5
Moraceae	<i>Ficus</i> sp.2	2
Moraceae	<i>Ficus</i> sp.3	8
Apocynaceae	<i>Funtumia elastica</i>	19
Clusiaceae	<i>Garcinia cf polyantha</i>	78
Clusiaceae	<i>Garcinia conrauana</i>	45
Clusiaceae	<i>Garcinia mannii</i>	33
Meliaceae	<i>Guarea cedrata</i>	14
Meliaceae	<i>Guarea</i> sp.	1
Hypericaceae	<i>Harungana madagascariensis</i>	22
Salicaceae	<i>Homalium letestui</i>	1
Salicaceae	<i>Homalium longistylum</i>	19
Salicaceae	<i>Homalium</i> sp.	1
Salicaceae	<i>Homalium</i> sp.1	16
Irvingiaceae	<i>Irvingia gabonensis</i>	2
Euphorbiaceae	<i>Jatropha curcas</i>	7
Anacardiaceae	<i>Lannea</i> sp.	2

Leeaceae	<i>Leea guineensis</i>	13
Icacinaceae	<i>Leptaulus daphnoides</i>	8
Icacinaceae	<i>Leptaulus grandifolius</i>	1
Malvaceae	<i>Leptonychia cf pallida</i>	1
Malvaceae	<i>Leptonychia</i> sp.	2
Euphorbiaceae	<i>Macaranga</i> sp.	10
Phyllanthaceae	<i>Maesobotrya</i> sp.	10
Rhamnaceae	<i>Maesopsis eminii</i>	1
Sapotaceae	<i>Manilkara</i> sp.	2
Chrysobalanaceae	<i>Maranthes kerstingii</i>	14
Medusandraceae	<i>Medusandra mpomiana</i>	1
Melastomataceae	<i>Memecylon calophyllum</i>	1
Melastomataceae	<i>Memecylon</i> sp.3	1
Cecropiaceae	<i>Musanga cecropioides</i>	2
Cecropiaceae	<i>Myrianthus arboreus</i>	1
Cecropiaceae	<i>Myrianthus preussii</i>	55
Lecythidaceae	<i>Napoleonaea</i> sp.	8
Rubiaceae	<i>Nauclea</i> sp.	1
Octoknemataceae	<i>Octoknema affinis</i>	8
Salicaceae	<i>Oncoba lophocarpa</i>	1
Salicaceae	<i>Oncoba ovalis</i>	17
Rubiaceae	<i>Pauridiantha floribunda</i>	31
Rubiaceae	<i>Pauridiantha</i> sp.	3
Rubiaceae	<i>Pauridiantha viridiflora</i>	3
Apocynaceae	<i>Pleiocarpa</i> sp.	24
Araliaceae	<i>Polycias fulva</i>	13
Sapotaceae	<i>Pouteria</i> sp.	20
Rubiaceae	<i>Psychotria peduncularis</i>	21
Rubiaceae	<i>Psychotria</i> sp.6	2
Rubiaceae	<i>Psychotria</i> sp.7	1
Rubiaceae	<i>Psychotria</i> sp.8	9
Rubiaceae	<i>Psydrax</i> sp.	6

Simaroubaceae	<i>Quassia silvestris</i>	3
Lecythidaceae	<i>Rhabdophyllum</i> sp.	1
Lecythidaceae	<i>Rhaptopetalum geophylax</i>	8
Lecythidaceae	<i>Rhaptopetalum</i> sp.2	9
Violaceae	<i>Rinorea</i> sp.33	9
Celastraceae	<i>Salacia lehmbachii</i>	1
Celastraceae	<i>Salacia pyriformis</i>	1
Burseraceae	<i>Santiria balsamifera</i>	39
Euphorbiaceae	<i>Sapium ellipticum</i>	4
Araliaceae	<i>Schefflera barteri</i>	1
Rubiaceae	<i>Schumanniphyton magnificum</i>	1
Clusiaceae	<i>Symphonia globulifera</i>	18
Myrtaceae	<i>Syzygium rowlandii</i>	19
Apocynaceae	<i>Tabernaemontana brachyantha</i>	2
Apocynaceae	<i>Tabernaemontana ventricosa</i>	105
Euphorbiaceae	<i>Tetrorchidium didymostemon</i>	8
Meliaceae	<i>Trichilia aff.gilgiana</i>	11
Meliaceae	<i>Trichilia priureana</i>	34
Meliaceae	<i>Turraeanthus africanus</i>	14
Annonaceae	<i>Uvariadendron</i> sp.I	3
Annonaceae	<i>Uvariopsis submontana</i>	12
Rutaceae	<i>Vepris</i> sp.	2
Asteraceae	<i>Vernonia conferta</i>	12
Apocynaceae	<i>Voacanga africana</i>	23
Apocynaceae	<i>Voacanga</i> sp.I	1
Melastomataceae	<i>Warneckea</i> sp.22	1
Annonaceae	<i>Xylophia</i> sp.4	1
Annonaceae	<i>Xylophia staudtii</i>	6
Rutaceae	<i>Zanthoxylon rubescens</i>	2
Rutaceae	<i>Zanthoxylon</i> sp.2	18
Fabaceae	<i>Zenkerella citrina</i>	19
Grand Total		1551

1.9.4 Piedmont Forest

The survey team sampled 8 ha in this vegetation type giving 3840 individuals stems in 249 species.

Table 5: Piedmont Forest species list

Family	Species	Frequency
?	? ?	14
?	UNK17	1
Malpighiaceae	<i>Acridocarpus macrocalyx</i>	1
Huaceae	<i>Afrostryax lepidophyllus</i>	95
Fabaceae	<i>Afzelia bella</i>	1
Fabaceae	<i>Albizia adianthifolia</i>	12
Fabaceae	<i>Albizia ferruginea</i>	1
Fabaceae	<i>Albizia</i> sp.4	5
Fabaceae	<i>Albizia zygia</i>	1
Sapindaceae	<i>Allophyllus africanus</i>	6
Apocynaceae	<i>Alstonia boonei</i>	2
Fabaceae	<i>Amphimas ferrugineus</i>	1
Fabaceae	<i>Angylocalyx oligophyllus</i>	47
Anisophylleaceae	<i>Anisophyllea polyneura</i>	23
Anisophylleaceae	<i>Anisophyllea purpurascens</i>	60
Anisophylleaceae	<i>Anisophyllea sororia</i>	45
Annonaceae	<i>Annickia chlorantha</i>	37
Fabaceae	<i>Anthonotha lamprophylla</i>	3
Fabaceae	<i>Anthonotha macrophylla</i>	60
Phyllanthaceae	<i>Antidesma vogelianum</i>	19
Rubiaceae	<i>Aulacocalyx jasminiflora</i>	6
Rubiaceae	<i>Aulacocalyx talbotii</i>	1
Fabaceae	<i>Baphia buettneri</i>	1
Fabaceae	<i>Baphia capparidifolia</i>	4
Fabaceae	<i>Baphia laurifolia</i>	3
Passifloraceae	<i>Barteria fistulosa</i>	8
Begoniaceae	<i>Begonia</i> sp.	1

Lauraceae	<i>Beilschmiedia acuta</i>	1
Lauraceae	<i>Beilschmiedia mannii</i>	4
Lauraceae	<i>Beilschmiedia</i> sp.	3
Lauraceae	<i>Beilschmiedia</i> sp.2	59
Lauraceae	<i>Beilschmiedia</i> sp.6	25
Lauraceae	<i>Beilschmiedia talbotiae</i>	6
Fabaceae	<i>Berlinia bracteosa</i>	12
Rubiaceae	<i>Bertiera racemosa</i>	23
Sapindaceae	<i>Blighia sapida</i>	1
Phyllanthaceae	<i>Bridelia grandis</i>	7
Phyllanthaceae	<i>Bridelia micrantha</i>	1
Ochnaceae	<i>Campylospermum flavum</i>	1
Ochnaceae	<i>Campylospermum mannii</i>	2
Connaraceae	<i>Connarus</i> sp.	4
Rubiaceae	<i>Canthium</i> sp.	1
Meliaceae	<i>Carapa dinklagei</i>	1
Meliaceae	<i>Carapa parviflora</i>	3
Meliaceae	<i>Carapa zemagoana</i>	1
Polygalaceae	<i>Carpolobia lutea</i>	1
Salicaceae	<i>Casearia barteri</i>	1
Sapindaceae	<i>Chytranthus</i> sp.	3
Sapindaceae	<i>Chytranthus talbotii</i>	1
Annonaceae	<i>Cleistanthus letouzeyi</i>	38
Annonaceae	<i>Cleistopholis patens</i>	1
Annonaceae	<i>Cleistopholis staudtii</i>	4
Myristicaceae	<i>Coelocaryon preussii</i>	1
Myristicaceae	<i>Coelocaryon</i> sp.	10
Malvaceae	<i>Cola cauliflora</i>	69
Malvaceae	<i>Cola gabonensis</i>	1
Malvaceae	<i>Cola lepidota</i>	14
Malvaceae	<i>Cola megalophylla</i>	2
Malvaceae	<i>Cola rostrata</i>	12

Malvaceae	<i>Cola semecarpophylla</i>	1
Malvaceae	<i>Cola</i> sp.	1
Malvaceae	<i>Cola</i> sp.2	5
Malvaceae	<i>Cola</i> sp.3	71
Malvaceae	<i>Cola</i> sp.nov.	3
Malvaceae	<i>Cola suboppositifolia</i>	1
Malvaceae	<i>Cola verticillata</i>	7
Combretaceae	<i>Combretum</i> sp.	1
Boraginaceae	<i>Cordia</i> sp.	6
Rubiaceae	<i>Craterispermum caudatum</i>	1
Rubiaceae	<i>Cuviera subuliflora</i>	11
Rubiaceae	<i>Cuviera trilocularis</i>	1
Burseraceae	<i>Dacryodes edulis</i>	46
Burseraceae	<i>Dacryodes klaineana</i>	1
Chrysobalanaceae	<i>Dactyladenia staudtii</i>	2
Sapindaceae	<i>Deinbollia pycnophylla</i>	5
Fabaceae	<i>Dialium pachyphyllum</i>	4
Dichapetalaceae	<i>Dichapetalium dewevrei</i>	3
Dichapetalaceae	<i>Dichapetalium heudelotii</i>	1
Dichapetalaceae	<i>Dichapetalium</i> sp.	8
Dichapetalaceae	<i>Dichapetalium tomentosum</i>	3
Euphorbiaceae	<i>Dichostemma glaucescens</i>	7
Olacaceae	<i>Diogoia zenkeri</i>	8
Ebenaceae	<i>Diospyros korupensis</i>	1
Ebenaceae	<i>Diospyros preussii</i>	31
Ebenaceae	<i>Diospyros</i> sp.2	1
Ebenaceae	<i>Diospyros</i> sp.3	1
Ebenaceae	<i>Diospyros suaveolens</i>	5
Ebenaceae	<i>Diospyros zenkeri</i>	2
Euphorbiaceae	<i>Disoclaoxylon hexandrum</i>	5
Euphorbiaceae	<i>Discoglypremna caloneura</i>	9
Ruscaceae	<i>Dracaena bicolor</i>	1

Ruscaceae	<i>Dracaena goldieana</i>	1
Putranjivaceae	<i>Drypetes ivorensis</i>	1
Putranjivaceae	<i>Drypetes molunduana</i>	21
Putranjivaceae	<i>Drypetes paxii</i>	1
Putranjivaceae	<i>Drypetes sp.3</i>	2
Putranjivaceae	<i>Drypetes sp.5</i>	16
Malvaceae	<i>Duboscia viridifolia</i>	1
Rubiaceae	<i>Ecpoma gigantistipula</i>	1
Sapotaceae	<i>Englerophytum sp.nov.</i>	12
Sapindaceae	<i>Eriocoelum macrocarpum</i>	19
Vochysiaceae	<i>Erismadelphus exsul</i>	9
Myrtaceae	<i>Eugenia callophyloides</i>	1
Moraceae	<i>Ficus mucuso</i>	1
Moraceae	<i>Ficus sp.3</i>	5
Moraceae	<i>Funtumia elastica</i>	4
Rubiaceae	<i>Gaertnera sp.</i>	1
Sapotaceae	<i>Gambeya korupensis</i>	16
Clusiaceae	<i>Garcinia cf polyantha</i>	1
Clusiaceae	<i>Garcinia gnetoides</i>	7
Clusiaceae	<i>Garcinia kola</i>	3
Clusiaceae	<i>Garcinia mannii</i>	41
Monimiaceae	<i>Glossocalyx brevipes</i>	1
Burmanniaceae	<i>Gymnosiphon bekensis</i>	1
Rubiaceae	<i>Heinsia crinita</i>	1
Salicaceae	<i>Homalium africanum</i>	4
Salicaceae	<i>Homalium longistylum</i>	3
Fabaceae	<i>Hylodendron gabunense</i>	1
Lauraceae	<i>Hypodaphnis zenkeri</i>	9
Irvingiaceae	<i>Irvingia gabonensis</i>	3
Irvingiaceae	<i>Irvingia grandifolia</i>	1
Rubiaceae	<i>Ixora nematopoda</i>	6
Rubiaceae	<i>Ixora sp.1</i>	7

Bignoniaceae	<i>Kigelia africana</i>	44
Euphorbiaceae	<i>Klaineanthus gaboniae</i>	7
Irvingiaceae	<i>Klainedoxa gabonensis</i>	1
Sapindaceae	<i>Laccodiscus ferrugineus</i>	1
Sapindaceae	<i>Laccodiscus pseudostipularis</i>	10
Apocynaceae	<i>Landolphia landolphioides</i>	1
Icacinaceae	<i>Lasianthera africana</i>	3
Icacinaceae	<i>Lavigeria macroptera</i>	1
Leeaceae	<i>Leea guineensis</i>	4
Fabaceae	<i>Leonardoxa</i> sp.	56
Fabaceae	<i>Leptoderris ledermannii</i>	11
Malvaceae	<i>Leptonychia echinocarpa</i>	2
Malvaceae	<i>Leptonychia macrantha</i>	1
Euphorbiaceae	<i>Macaranga monandra</i>	7
Phyllanthaceae	<i>Maesobotrya dusenii</i>	6
Phyllanthaceae	<i>Maesobotrya staudtii</i>	7
Rhamnaceae	<i>Maesopsis eminii</i>	1
Clusiaceae	<i>Mammea africana</i>	110
Euphorbiaceae	<i>Mareyopsis longifolia</i>	85
Phyllanthaceae	<i>Margaritaria discoidea</i>	2
Rubiaceae	<i>Massularia acuminata</i>	9
Melastomataceae	<i>Memecylon englerianum</i>	1
Melastomataceae	<i>Memecylon lateriflorum</i>	14
Melastomataceae	<i>Memecylon laurentii</i>	1
Malvaceae	<i>Microcos coriacea</i>	6
Pandaceae	<i>Microdesmis puberula</i>	2
Cecropiaceae	<i>Musanga cecropioides</i>	40
Rubiaceae	<i>Mussaenda</i> sp.	1
Lecythidaceae	<i>Napoleonaea heudelotii</i>	99
Lecythidaceae	<i>Napoleonaea talbotii</i>	4
Rubiaceae	<i>Nauclea</i> sp.	2
Euphorbiaceae	<i>Neoboutonia glabrescens</i>	8

Fabaceae	<i>Newtonia griffoniana</i>	5
Octoknemataceae	<i>Octoknema affinis</i>	52
Sapotaceae	<i>Omphalocarpum elatum</i>	3
Salicaceae	<i>Oncoba glauca</i>	19
Salicaceae	<i>Oncoba mannii</i>	1
Lecythidaceae	<i>Oubanguia alata</i>	191
Rubiaceae	<i>Oxyanthus laxiflorus</i>	1
Rubiaceae	<i>Pauridiantha viridiflora</i>	3
Rubiaceae	<i>Pavetta rigida</i>	1
Rubiaceae	<i>Petitiocodon</i> sp.	5
Fabaceae	<i>Piptadeniastrum africanum</i>	4
Annonaceae	<i>Piptostigma oyemense</i>	21
Annonaceae	<i>Piptostigma</i> sp.	10
Sapindaceae	<i>Placodiscus</i> cf. <i>caudatus</i>	1
Fabaceae	<i>Plagiosiphon multijugus</i>	4
Annonaceae	<i>Polyceratocarpus parviflorus</i>	43
Sapotaceae	<i>Pouteria</i> sp.	63
Phyllanthaceae	<i>Protomegabaria stapfiana</i>	60
Anacardiaceae	<i>Pseudospondias microcarpa</i>	33
Rubiaceae	<i>Psychotria</i> sp.	1
Rubiaceae	<i>Psychotria</i> sp.5	7
Rubiaceae	<i>Psychotria</i> sp.8	4
Myristicaceae	<i>Pycnanthus angolensis</i>	92
Simaroubaceae	<i>Quassia silvestris</i>	3
Apocynaceae	<i>Rauvolfia caffra</i>	1
Apocynaceae	<i>Rauvolfia mannii</i>	1
Apocynaceae	<i>Rauvolfia vomitoria</i>	4
Lecythidaceae	<i>Rhaptopetalum coriaceum</i>	1
Lecythidaceae	<i>Rhaptopetalum</i> sp.nov.	13
Violaceae	<i>Rinorea</i> cf. <i>woermanniana</i>	1
Violaceae	<i>Rinorea crassiflora</i>	1
Violaceae	<i>Rinorea dentata</i>	44

Violaceae	<i>Rinorea oblongifolia</i>	50
Rubiaceae	<i>Rothmannia hispida</i>	2
Rubiaceae	<i>Rothmannia</i> sp.	1
Celastraceae	<i>Salacia nigra</i>	1
Celastraceae	<i>Salacia pyriformis</i>	2
Connaraceae	<i>Santalinoides afzelii</i>	1
Burseraceae	<i>Santiria balsamifera</i>	34
Euphorbiaceae	<i>Sapium ellipticum</i>	1
Rubiaceae	<i>Schumanniohyton magnificum</i>	11
Lecythidaceae	<i>Scyphocephalum mannii</i>	8
Anacardiaceae	<i>Sorindeia grandifolia</i>	1
Anacardiaceae	<i>Sorindeia juglandifolia</i>	9
Medusandraceae	<i>Soyauxia gabunensis</i>	19
Myristicaceae	<i>Staudtia gabunensis</i>	1
Myristicaceae	<i>Staudtia kamerunensis</i>	1
Malvaceae	<i>Sterculia tragacantha</i>	6
Combretaceae	<i>Strephonema pseudocola</i>	2
Olacaceae	<i>Strombosia grandifolia</i>	249
Olacaceae	<i>Strombosia pustulata</i>	49
Olacaceae	<i>Strombosia scheffleri</i>	65
Olacaceae	<i>Strombosia</i> sp.	67
Olacaceae	<i>Strombosiopsis tetrandra</i>	78
Loganiaceae	<i>Strychnos johnsonii</i>	1
Loganiaceae	<i>Strychnos memecyloides</i>	1
Loganiaceae	<i>Strychnos phaeotricha</i>	1
Clusiaceae	<i>Symphonia globulifera</i>	39
Sapotaceae	<i>Synsepalum</i> sp.2	5
Menispermaceae	<i>Syrrhonema fasciculatum</i>	1
Myrtaceae	<i>Syzygium rowlandii</i>	1
Apocynaceae	<i>Tabernaemontana brachyantha</i>	130
Apocynaceae	<i>Tabernaemontana crassa</i>	15
Fabaceae	<i>Talbotiella korupensis</i>	6

Dichapetalaceae	<i>Tapura africana</i>	1
Dilleniaceae	<i>Tetracera potatoria</i>	1
Balanophoraceae	<i>Thonningia sanguinea</i>	1
Moraceae	<i>Treculia africana</i>	3
Meliaceae	<i>Trichilia aff.gilgiana</i>	24
Meliaceae	<i>Trichilia priureana</i>	171
Anacardiaceae	<i>Trichoscypha oliveri</i>	61
Anacardiaceae	<i>Trichoscypha patens</i>	5
Anacardiaceae	<i>Trichoscypha</i> sp.4	14
Anacardiaceae	<i>Trichoscypha</i> sp.6	1
Anacardiaceae	<i>Trichoscypha</i> sp.7	9
Anacardiaceae	<i>Trichoscypha</i> sp.72	3
Phyllanthaceae	<i>Uapaca staudtii</i>	52
Annonaceae	<i>Uvarioidendron connivens</i>	31
Annonaceae	<i>Uvariopsis korupensis</i>	24
Rutaceae	<i>Vepris lecomteana</i>	5
Lamiaceae	<i>Vitex grandifolia</i>	42
Apocynaceae	<i>Voacanga psilocalyx</i>	1
Melastomataceae	<i>Warneckea jasminoides</i>	3
Melastomataceae	<i>Warneckea pulcherrima</i>	5
Melastomataceae	<i>Warneckea</i> sp.22	1
Annonaceae	<i>Xylophia acutiflora</i>	7
Annonaceae	<i>Xylophia aethiopica</i>	4
Annonaceae	<i>Xylophia</i> sp.3	1
Annonaceae	<i>Xylophia staudtii</i>	3
Rutaceae	<i>Zanthoxylon gillettii</i>	43
Fabaceae	<i>Zenkerella citrina</i>	1
Grand Total		3840

1.9.5 Atlantic Biafran forest rich in Caesalpiniaceae (Lowland Primary forest)

The 12 ha that were sampled in this vegetation type gave 9791 individuals in about 501 species

Table 6: Lowland Forest Species list

Family	Species	Frequency
?	? ?	85
Huaceae	<i>Afrostryax lepidophyllus</i>	17
Fabaceae	<i>Afzelia bella</i>	2
Fabaceae	<i>Afzelia bipindensis</i>	1
Fabaceae	<i>Afzelia pachyloba</i>	1
Connaraceae	<i>Agelaea pentagyna</i>	1
Connaraceae	<i>Agelaea</i> sp.	1
Fabaceae	<i>Albizia adianthifolia</i>	39
Fabaceae	<i>Albizia ferruginea</i>	4
Fabaceae	<i>Albizia</i> sp.	1
Clusiaceae	<i>Allanblackia gabonensis</i>	2
Violaceae	<i>Alexis</i> sp.	43
sapindaceae	<i>Allophyllus megaphyllus</i>	1
sapindaceae	<i>Allophyllus</i> sp.	1
sapindaceae	<i>Allopyllus africanus</i>	3
Apocynaceae	<i>Alstonia boonei</i>	8
Fabaceae	<i>Amphimas ferrugineus</i>	6
Fabaceae	<i>Amphimas pterocarpoides</i>	2
Araceae	<i>Anchomanes difformis</i>	1
Ancistrocladiaceae	<i>Ancistrocladus letestui</i>	1
Fabaceae	<i>Angylocalyx oligophyllus</i>	124
Anisophylleaceae	<i>Anisophyllea meniaudii</i>	3
Anisophylleaceae	<i>Anisophyllea polyneura</i>	4
Anisophylleaceae	<i>Anisophyllea purpurascens</i>	7
Anisophylleaceae	<i>Anisophyllea sororia</i>	70
Annonaceae	<i>Annickia chlorantha</i>	48

Gentianaceae	<i>Anthocleista schweinfurthii</i>	4
Fabaceae	<i>Anthonotha fragrans</i>	17
Fabaceae	<i>Anthonotha lamprophylla</i>	22
Fabaceae	<i>Anthonotha macrophylla</i>	110
Fabaceae	<i>Anthonotha</i> sp.	10
Phyllanthaceae	<i>Antidesma laciniatum</i>	4
Phyllanthaceae	<i>Antidesma</i> sp.	1
Phyllanthaceae	<i>Antidesma vogelianum</i>	35
Anacardiaceae	<i>Antrocaryon micraster</i>	3
Anacardiaceae	<i>Antrocaryon</i> sp.	1
Araceae	<i>Anubias barteri</i>	1
Rubiaceae	<i>Aoranthe cladantha</i>	9
Rubiaceae	<i>Aulacocalyx caudata</i>	5
Rubiaceae	<i>Aulacocalyx jasminiflora</i>	31
Rubiaceae	<i>Aulacocalyx talbotii</i>	38
Fabaceae	<i>Baikiaea insignis</i>	1
Fabaceae	<i>Baphia buettneri</i>	25
Fabaceae	<i>Baphia capparidifolia</i>	24
Fabaceae	<i>Baphia laurifolia</i>	24
Fabaceae	<i>Baphia</i> sp.	2
Passifloraceae	<i>Barteria fistulosa</i>	32
Lauraceae	<i>Beilschmiedia acuta</i>	11
Lauraceae	<i>Beilschmiedia mannii</i>	13
Lauraceae	<i>Beilschmiedia</i> sp.	15
Lauraceae	<i>Beilschmiedia</i> sp.2	24
Lauraceae	<i>Beilschmiedia</i> sp.6	53
Rubiaceae	<i>Belonophora coriacea</i>	2
Rubiaceae	<i>Belonophora wernhamii</i>	7
Fabaceae	<i>Berlinia auriculata</i>	38
Fabaceae	<i>Berlinia bracteosa</i>	54
Fabaceae	<i>Berlinia hollandii</i>	3
Meliantaceae	<i>Bersama abyssinica</i>	1

Rubiaceae	<i>Bertiera laxa</i>	2
Rubiaceae	<i>Bertiera racemosa</i>	10
sapindaceae	<i>Blighia sapida</i>	8
sapindaceae	<i>Blighia welwitschii</i>	3
Bombacaceae	<i>Bombax buenopozense</i>	1
Phyllanthaceae	<i>Bridelia grandis</i>	9
Phyllanthaceae	<i>Bridelia micrantha</i>	9
Fabaceae	<i>Calpocalyx dinklagei</i>	52
Fabaceae	<i>Calpocalyx heitzii</i>	10
Rubiaceae	<i>Calycosiphonia macrochlamys</i>	1
Rubiaceae	<i>Calycosiphonia spathicalyx</i>	2
Ochnaceae	<i>Campylospermum calanthum</i>	3
Ochnaceae	<i>Campylospermum flavum</i>	2
Ochnaceae	<i>Campylospermum manni</i>	2
Ochnaceae	<i>Campylospermum</i> sp.	1
Ochnaceae	<i>Campylospermum sulcatum</i>	1
Burseraceae	<i>Canarium schweinfurthii</i>	8
Meliaceae	<i>Carapa angustifolia</i>	7
Meliaceae	<i>Carapa parvifolia</i>	35
Meliaceae	<i>Carapa zezaboana</i>	5
Polygalaceae	<i>Carpolobia lutea</i>	6
Salicaceae	<i>Casearia barteri</i>	4
Rhizophoraceae	<i>Cassipourea korupensis</i>	1
Rhizophoraceae	<i>Cassipourea</i> sp.	3
Bombacaceae	<i>Ceiba pentandra</i>	1
Chrysobalanaceae	<i>Chrysobalanus icaco</i>	16
sapindaceae	<i>Chytranthus edulis</i>	1
sapindaceae	<i>Chytranthus</i> sp.	6
sapindaceae	<i>Chytranthus talbotii</i>	5
Euphorbiaceae	<i>Cleistanthus letouzeyi</i>	43
Annonaceae	<i>Cleistopholis patens</i>	4
Annonaceae	<i>Cleistopholis staudtii</i>	6

Connaraceae	<i>Cnestis corniculata</i>	1
Myristicaceae	<i>Coelocaryon preussii</i>	31
Myristicaceae	<i>Coelocaryon</i> sp.	6
Rubiaceae	<i>Coffea</i> sp.	1
Malvaceae	<i>Cola altissima</i>	1
Malvaceae	<i>Cola attiensis</i>	10
Malvaceae	<i>Cola cauliflora</i>	56
Malvaceae	<i>Cola chlamydantha</i>	8
Malvaceae	<i>Cola digitata</i>	3
Malvaceae	<i>Cola lateritia</i>	7
Malvaceae	<i>Cola lepidota</i>	29
Malvaceae	<i>Cola megalophylla</i>	17
Malvaceae	<i>Cola nitida</i>	8
Malvaceae	<i>Cola pachycarpa</i>	8
Malvaceae	<i>Cola rostrata</i>	89
Malvaceae	<i>Cola semecarpophylla</i>	134
Malvaceae	<i>Cola</i> sp.	15
Malvaceae	<i>Cola</i> sp.3	115
Malvaceae	<i>Cola</i> sp.nov.	82
Malvaceae	<i>Cola</i> sp.nov.2	1
Malvaceae	<i>Cola suboppositifolia</i>	1
Malvaceae	<i>Cola verticillata</i>	39
Combretaceae	<i>Combretum</i> sp.	1
Connaraceae	<i>Connarus</i> sp.	2
Fabaceae	<i>Copaifera mildbraedii</i>	20
Boraginaceae	<i>Cordia aurantiaca</i>	1
Boraginaceae	<i>Cordia</i> sp.	4
Costaceae	<i>Costus afer</i>	1
Olacaceae	<i>Coula edulis</i>	45
Lecythidaceae	<i>Crateranthus talbotii</i>	144
Rubiaceae	<i>Craterispermum aristatum</i>	36
Rubiaceae	<i>Craterispermum caudatum</i>	1

Euphorbiaceae	<i>Croton</i> sp.	1
Euphorbiaceae	<i>Crotonogyne talbotii</i>	72
Fabaceae	<i>Crudia</i> sp.	6
Araceae	<i>Culcasia angolensis</i>	1
Rubiaceae	<i>Cuviera subuliflora</i>	5
Rubiaceae	<i>Cuviera trilocularis</i>	1
Burseraceae	<i>Dacryodes edulis</i>	107
Burseraceae	<i>Dacryodes klaineana</i>	20
Chrysobalanaceae	<i>Dactyladenia pallescens</i>	2
Chrysobalanaceae	<i>Dactyladenia</i> sp.	1
Chrysobalanaceae	<i>Dactyladenia staudtii</i>	6
Achariaceae	<i>Dasylepis thomasii</i>	23
sapindaceae	<i>Deinbollia angustifolia</i>	1
sapindaceae	<i>Deinbollia pycnophylla</i>	7
sapindaceae	<i>Deinbollia unijuga</i>	3
Irvingiaceae	<i>Desbordesia glaucescens</i>	6
Fabaceae	<i>Dialium dinklagei</i>	1
Fabaceae	<i>Dialium pachyphyllum</i>	19
Fabaceae	<i>Dialium</i> sp.	1
Dichapetalaceae	<i>Dichapetalum affine</i>	3
Dichapetalaceae	<i>Dichapetalum dewevrei</i>	6
Dichapetalaceae	<i>Dichapetalum heudelotii</i>	5
Dichapetalaceae	<i>Dichapetalum pallidum</i>	1
Dichapetalaceae	<i>Dichapetalum phytotrica</i>	1
Dichapetalaceae	<i>Dichapetalum</i> sp.	3
Dichapetalaceae	<i>Dichapetalum tomentosum</i>	4
Euphorbiaceae	<i>Dichostemma glaucescens</i>	95
Thymelaeaceae	<i>Dicranolepis disticha</i>	1
Fabaceae	<i>Didelotia africana</i>	5
Ebenaceae	<i>Diospyros bipindensis</i>	3
Ebenaceae	<i>Diospyros canaliculata</i>	50
Ebenaceae	<i>Diospyros cinnabarina</i>	7

Ebenaceae	<i>Diospyros gabunensis</i>	54
Ebenaceae	<i>Diospyros gracilescens</i>	6
Ebenaceae	<i>Diospyros hoyleana</i>	16
Ebenaceae	<i>Diospyros iturensis</i>	14
Ebenaceae	<i>Diospyros kamerunensis</i>	13
Ebenaceae	<i>Diospyros korupensis</i>	6
Ebenaceae	<i>Diospyros obliquifolia</i>	14
Ebenaceae	<i>Diospyros preussii</i>	34
Ebenaceae	<i>Diospyros</i> sp.	2
Ebenaceae	<i>Diospyros</i> sp. nov.	1
Ebenaceae	<i>Diospyros</i> sp.4	20
Ebenaceae	<i>Diospyros</i> sp.5	12
Ebenaceae	<i>Diospyros suaveolens</i>	11
Ebenaceae	<i>Diospyros zenkeri</i>	19
Euphorbiaceae	<i>Discoclaoxylon hexandrum</i>	1
Euphorbiaceae	<i>Discoglyprena caloneura</i>	12
Fabaceae	<i>Distemonanthus benthamianus</i>	1
Moraceae	<i>Dorstenia africana</i>	2
Moraceae	<i>Dorstenia turbinata</i>	1
Ruscaceae	<i>Dracaena bicolor</i>	3
Ruscaceae	<i>Dracaena goldieana</i>	1
Ruscaceae	<i>Dracaena surculosa</i>	1
Ruscaceae	<i>Dracaena talbotii</i>	4
Putranjivaceae	<i>Drypetes ivorensis</i>	9
Putranjivaceae	<i>Drypetes laciniata</i>	5
Putranjivaceae	<i>Drypetes molunduana</i>	9
Putranjivaceae	<i>Drypetes paxii</i>	13
Putranjivaceae	<i>Drypetes</i> sp.4	1
Putranjivaceae	<i>Drypetes</i> sp.5	5
Putranjivaceae	<i>Drypetes</i> sp.6	2
Malvaceae	<i>Duboscia viridifolia</i>	1
Arecaceae	<i>Elaeis guineensis</i>	1

Clusiaceae	<i>Endodesmia calophylloides</i>	10
Sapotaceae	<i>Englerophytum</i> sp.2	12
Sapotaceae	<i>Englerophytum</i> sp.nov.	131
Olacaceae	<i>Engomegoma gordonii</i>	17
Meliaceae	<i>Entandrophragma cylindricum</i>	2
Arecaceae	<i>Eremospatha macrocarpa</i>	1
Arecaceae	<i>Eremospatha wenlandiana</i>	1
sapindaceae	<i>Eriocoelum macrocarpum</i>	58
Vochysiaceae	<i>Erismadelphus exsul</i>	11
Fabaceae	<i>Erythrina milbraedii</i>	1
Fabaceae	<i>Erythrophleum ivorensis</i>	3
Erythroxylaceae	<i>Erythroxylum mannii</i>	1
Rubiaceae	<i>Euclinia longiflora</i>	2
Myrtaceae	<i>Eugenia callophyloides</i>	2
Myrtaceae	<i>Eugenia</i> sp.	1
Moraceae	<i>Ficus</i> sp.3	13
Apocynaceae	<i>Funtumia elastica</i>	22
Rubiaceae	<i>Gaertnera bieleri</i>	1
Rubiaceae	<i>Gaertnera</i> sp.	1
Sapotaceae	<i>Gambeya africanum</i>	28
Sapotaceae	<i>Gambeya delevoyi</i>	5
Sapotaceae	<i>Gambeya korupensis</i>	10
Clusiaceae	<i>Garcinia conrauana</i>	3
Clusiaceae	<i>Garcinia gnetoides</i>	15
Clusiaceae	<i>Garcinia kola</i>	5
Clusiaceae	<i>Garcinia lucida</i>	1
Clusiaceae	<i>Garcinia mannii</i>	60
Clusiaceae	<i>Garcinia staudtii</i>	5
Fabaceae	<i>Gilbertiodendron demonstrans</i>	1
Fabaceae	<i>Gilbertiodendron</i> sp.	8
Fabaceae	<i>Gilbertiodendron</i> sp.2	18
Monimiaceae	<i>Glossocalyx brevipes</i>	69

Meliaceae	<i>Guarea cedrata</i>	1
Meliaceae	<i>Guarea glomerulata</i>	4
Meliaceae	<i>Guarea thompsonii</i>	8
Rubiaceae	<i>Hallea ledermannii</i>	4
Meliaceae	<i>Heckeldora</i> sp.	1
Meliaceae	<i>Heckeldora staudtii</i>	3
Rubiaceae	<i>Heinsia crinita</i>	4
Olacaceae	<i>Heisteria parvifolia</i>	11
Annonaceae	<i>Hexalobus</i> sp.	1
Salicaceae	<i>Homalium africanum</i>	38
Salicaceae	<i>Homalium letestui</i>	30
Salicaceae	<i>Homalium longistylum</i>	70
Hoplostigmataceae	<i>Hoplostigma klaineanum</i>	5
Linaceae	<i>Hugonia platysepala</i>	2
Apocynaceae	<i>Hunteria umbellata</i>	14
Fabaceae	<i>Hylodendron gabunense</i>	1
Fabaceae	<i>Hymenostegia korupensis</i>	19
Lauraceae	<i>Hypodaphnis zenkeri</i>	38
Balsaminaceae	<i>Impatiens niamniamensis</i>	1
Icacinaceae	<i>Iodes africana</i>	2
Irvingiaceae	<i>Irvingia gabonensis</i>	60
Irvingiaceae	<i>Irvingia grandifolia</i>	11
Annonaceae	<i>Isolona campanulata</i>	1
Annonaceae	<i>Isolona thonneri</i>	2
Rubiaceae	<i>Ixora hippoperifera</i>	3
Rubiaceae	<i>Ixora nematopoda</i>	18
Rubiaceae	<i>Ixora</i> sp.1	18
Connaraceae	<i>Jollydora duparquetiana</i>	2
Phyllanthaceae	<i>Keayodendron bridelioides</i>	4
Bignoniaceae	<i>Kigelia africana</i>	96
Euphorbiaceae	<i>Klaineanthus gaboniae</i>	67
Irvingiaceae	<i>Klainedoxa gabonensis</i>	4

Irvingiaceae	<i>Klainedoxa trillesii</i>	7
Vochysiaceae	<i>Korupiodendron songweanum</i>	193
sapindaceae	<i>Laccodiscus ferrugineus</i>	6
sapindaceae	<i>Laccodiscus pseudostipularis</i>	1
Arecaceae	<i>Laccosperma opacum</i>	2
Arecaceae	<i>Laccosperma robustum</i>	1
Apocynaceae	<i>Landolphia congolensis</i>	1
Apocynaceae	<i>Landolphia dulcis</i>	1
Apocynaceae	<i>Landolphia landolphioides</i>	2
Icacinaceae	<i>Lasianthera africana</i>	10
Rubiaceae	<i>Lasianthus batangensis</i>	1
Icacinaceae	<i>Lavigeria macroptera</i>	1
Sapotaceae	<i>Lecomtedoxa klaineana</i>	4
Leeaceae	<i>Leea guineensis</i>	1
Fabaceae	<i>Leonardoxa</i> sp.	192
Lepidobotryaceae	<i>Lepidobotrys staudtii</i>	2
Leptaulaceae	<i>Leptaulus daphnoides</i>	6
Fabaceae	<i>Leptoderris ledermannii</i>	10
Malvaceae	<i>Leptonychia echinocarpa</i>	8
Ochnaceae	<i>Lophira alata</i>	7
Euphorbiaceae	<i>Macaranga monandra</i>	46
Euphorbiaceae	<i>Macaranga spinosa</i>	5
Phyllanthaceae	<i>Maesobotrya barteri</i>	12
Phyllanthaceae	<i>Maesobotrya dusenii</i>	14
Phyllanthaceae	<i>Maesobotrya staudtii</i>	4
Rhamnaceae	<i>Maesopsis eminii</i>	3
Chrysobalanaceae	<i>Magnistipula</i> aff. <i>cuneatifolia</i>	1
Chrysobalanaceae	<i>Magnistipula glaberrima</i>	12
Clusiaceae	<i>Mammea africana</i>	92
Sapotaceae	<i>Manilkara lososiana</i>	1
Euphorbiaceae	<i>Manniophyton fulvum</i>	1
Euphorbiaceae	<i>Maprounea membranacea</i>	1

Euphorbiaceae	<i>Mareya micrantha</i>	5
Euphorbiaceae	<i>Mareyopsis longifolia</i>	60
Phyllanthaceae	<i>Margaritaria discoidea</i>	6
Rubiaceae	<i>Massularia acuminata</i>	32
Melastomataceae	<i>Memecylon afzelii</i>	5
Melastomataceae	<i>Memecylon englerianum</i>	2
Melastomataceae	<i>Memecylon lateriflorum</i>	22
Melastomataceae	<i>Memecylon laurentii</i>	4
Melastomataceae	<i>Memecylon</i> sp.	1
Melastomataceae	<i>Memecylon zenkeri</i>	9
Fabaceae	<i>Microberlinia bisulcata</i>	4
Malvaceae	<i>Microcos coriacea</i>	25
Pandaceae	<i>Microdesmis puberula</i>	40
Moraceae	<i>Milicia excelsa</i>	3
Fabaceae	<i>Millettia</i> sp.	1
Fabaceae	<i>Millettia hypolampra</i>	1
Annonaceae	<i>Monodora brevipes</i>	1
Rubiaceae	<i>Morelia senegalensis</i>	2
Rubiaceae	<i>Morinda lucida</i>	2
Gentianaceae	<i>Mostuea brunonis</i>	2
Cecropiaceae	<i>Musanga cecropioides</i>	81
Lecythidaceae	<i>Napoleonaea heudelotii</i>	13
Lecythidaceae	<i>Napoleonaea talbotii</i>	17
Rubiaceae	<i>Nauclea diderrichii</i>	1
Euphorbiaceae	<i>Neoboutonia glabrescens</i>	5
Araceae	<i>Nephtytis poissonii</i>	1
Convolvulaceae	<i>Neuropeltis acuminata</i>	2
Convolvulaceae	<i>Neuropeltis pseudovelutina</i>	1
Convolvulaceae	<i>Neuropeltis velutina</i>	1
Fabaceae	<i>Newtonia duparquetiana</i>	1
Fabaceae	<i>Newtonia griffoniana</i>	6
Rubiaceae	<i>Nichallea soyauxii</i>	1

Octoknemataceae	<i>Octoknema affinis</i>	78
Octoknemataceae	<i>Octoknema bakosiensis</i>	61
Olacaceae	<i>Olax triplinervia</i>	1
Sapotaceae	<i>Omphalocarpum elatum</i>	13
Salicaceae	<i>Oncoba glauca</i>	29
Salicaceae	<i>Oncoba mannii</i>	11
Arecaceae	<i>Oncocalamus tuleyi</i>	1
Lecythidaceae	<i>Oubanguia alata</i>	699
Lecythidaceae	<i>Oubanguia laurifolia</i>	28
Rubiaceae	<i>Oxyanthus laxiflorus</i>	7
Annonaceae	<i>Pachypodanthium staudtii</i>	6
Commelinaceae	<i>Palisota hirsuta</i>	1
Pandaceae	<i>Panda oleosa</i>	7
Aristolochiaceae	<i>Pararistolochia preussii</i>	1
Chrysobalanaceae	<i>Parinari excelsa</i>	4
Chrysobalanaceae	<i>Parinari</i> sp.	4
Fabaceae	<i>Parkia bicolor</i>	6
Fabaceae	<i>Parkia</i> sp.	3
Rubiaceae	<i>Pauridiantha floribunda</i>	4
Rubiaceae	<i>Pauridiantha viridiflora</i>	3
Menispermaceae	<i>Penianthus camerounensis</i>	1
Fabaceae	<i>Pentaclethra macrophylla</i>	2
Clusiaceae	<i>Pentadesma butryacea</i>	1
Clusiaceae	<i>Pentadesma grandifolia</i>	31
Rubiaceae	<i>Petitiocodon parviflorum</i>	8
Salicaceae	<i>Phyllobotryon spathulathum</i>	45
Simaroubaceae	<i>Pierreodendron africanum</i>	15
Fabaceae	<i>Piptadeniastrum africanum</i>	37
Annonaceae	<i>Piptostigma glabrescens</i>	1
Annonaceae	<i>Piptostigma oyemense</i>	17
Annonaceae	<i>Piptostigma pilosum</i>	5
sapindaceae	<i>Placodiscus</i> cf. <i>caudatus</i>	68

Apocynaceae	<i>Pleiocarpa bicarpellata</i>	6
Apocynaceae	<i>Pleiocarpa rostrata</i>	2
Anisophylleaceae	<i>Poga oleosa</i>	7
Annonaceae	<i>Polyanthia suaveolens</i>	32
Annonaceae	<i>Polyceratocarpus parviflorus</i>	29
Sapotaceae	<i>Pouteria</i> sp.	38
Sapotaceae	<i>Pouteria</i> sp.2	1
Phyllanthaceae	<i>Protomegabaria stapfiana</i>	300
Anacardiaceae	<i>Pseudospondias microcarpa</i>	47
Rubiaceae	<i>Psilanthus mannii</i>	1
Hypericaceae	<i>Psorospermum tenuifolium</i>	1
Rubiaceae	<i>Psychotria bimbiensis</i>	2
Rubiaceae	<i>Psychotria dorotheae</i>	1
Rubiaceae	<i>Psychotria peduncularis</i>	1
Rubiaceae	<i>Psychotria</i> sp.	1
Rubiaceae	<i>Psychotria</i> sp.2	2
Rubiaceae	<i>Psychotria</i> sp.3	2
Rubiaceae	<i>Psychotria</i> sp.9	11
Fabaceae	<i>Pterocarpus soyauxii</i>	3
Rubiaceae	<i>Puasinyntalia macroceras</i>	53
Myristicaceae	<i>Pycnanthus angolensis</i>	99
Euphorbiaceae	<i>Pycnocomma macrophylla</i>	6
Simaroubaceae	<i>Quassia silvestris</i>	10
Apocynaceae	<i>Rauvolfia mannii</i>	5
Apocynaceae	<i>Rauvolfia vomitoria</i>	5
Ochnaceae	<i>Rhabdophyllum affine</i>	11
Araceae	<i>Rhaphidophora africana</i>	1
Icacinaceae	<i>Rhaphiostylis beninensis</i>	4
Icacinaceae	<i>Rhaphiostylis viridiflora</i>	1
Lecythidaceae	<i>Rhaptopetalum coriaceum</i>	5
Lecythidaceae	<i>Rhaptopetalum</i> sp.	2
Lecythidaceae	<i>Rhaptopetalum</i> sp.nov.	18

Euphorbiaceae	<i>Ricinodendron heudelotii</i>	2
Violaceae	<i>Rinorea dentata</i>	162
Violaceae	<i>Rinorea kamerunensis</i>	12
Violaceae	<i>Rinorea leophylla</i>	37
Violaceae	<i>Rinorea oblongifolia</i>	197
Violaceae	<i>Rinorea</i> sp.3	18
Violaceae	<i>Rinorea</i> sp.4	1
Violaceae	<i>Rinorea</i> sp.5	1
Violaceae	<i>Rinorea subintegrifolia</i>	19
Violaceae	<i>Rinorea woermanniana</i>	15
Rubiaceae	<i>Rothmannia hispida</i>	5
Rubiaceae	<i>Rothmannia lujae</i>	2
Rubiaceae	<i>Rothmannia</i> sp.	1
Humiriaceae	<i>Saccoglottis gabonensis</i>	6
Celastraceae	<i>Salacia loloensis</i>	9
Celastraceae	<i>Salacia nigra</i>	1
Celastraceae	<i>Salacia pyriformis</i>	3
Celastraceae	<i>Salacia</i> sp.	1
Connaraceae	<i>Santalinoides afzelii</i>	2
Burseraceae	<i>Santiria balsamifera</i>	98
Euphorbiaceae	<i>Sapium ellipticum</i>	16
Malvaceae	<i>Scaphopetalum blackii</i>	37
Rubiaceae	<i>Schumanniphyton magnificum</i>	3
Arecaceae	<i>Sclerosperma mannii</i>	1
Achariaceae	<i>Scottellia klaineana</i>	7
Myristicaceae	<i>Scyphocephalum mannii</i>	47
Lecythidaceae	<i>Scytopetalium klaineinum</i>	24
Putranjivaceae	<i>Sibangea similis</i>	21
Anacardiaceae	<i>Sorindeia grandifolia</i>	10
Anacardiaceae	<i>Sorindeia juglandifolia</i>	13
Anacardiaceae	<i>Sorindeia</i> sp.	1
Medusandraceae	<i>Soyauxia gabunensis</i>	141

Myristicaceae	<i>Staudtia gabunensis</i>	35
Myristicaceae	<i>Staudtia kamerunensis</i>	74
Myristicaceae	<i>Staudtia</i> sp.	1
Fabaceae	<i>Stemonocoleus micranthus</i>	1
Malvaceae	<i>Sterculia tragacantha</i>	8
Combretaceae	<i>Strephonema pseudocola</i>	26
Olacaceae	<i>Strombosia grandifolia</i>	169
Olacaceae	<i>Strombosia pustulata</i>	122
Olacaceae	<i>Strombosia scheffleri</i>	47
Olacaceae	<i>Strombosia</i> sp.	30
Olacaceae	<i>Strombosiopsis tetrandra</i>	101
Loganiaceae	<i>Strychnos aculeata</i>	1
Loganiaceae	<i>Strychnos angolensis</i>	1
Loganiaceae	<i>Strychnos camptoneura</i>	5
Loganiaceae	<i>Strychnos congolana</i>	3
Loganiaceae	<i>Strychnos tricalysioides</i>	5
Clusiaceae	<i>Symphonia globulifera</i>	28
Sapotaceae	<i>Synsepalum</i> sp.	5
Menispermaceae	<i>Syrrhonema fasciculatum</i>	5
Myrtaceae	<i>Syzygium rowlandii</i>	21
Apocynaceae	<i>Tabernaemontana brachyantha</i>	161
Apocynaceae	<i>Tabernaemontana crassa</i>	25
Fabaceae	<i>Talbotiella korupensis</i>	89
Dichapetalaceae	<i>Tapura africana</i>	54
Rubiaceae	<i>Tarenna glandiflora</i>	9
Rubiaceae	<i>Tarenna</i> sp.I	2
Combretaceae	<i>Terminalia ivorensis</i>	2
Combretaceae	<i>Terminalia superba</i>	4
Fabaceae	<i>Tetraberlinia bifoliolata</i>	20
Fabaceae	<i>Tetraberlinia korupensis</i>	22
Fabaceae	<i>Tetrapleura tetraptera</i>	1
Euphorbiaceae	<i>Tetrorchidium didymostemon</i>	2

Phyllanthaceae	<i>Thecacoris leptobotrya</i>	2
Moraceae	<i>Treculia africana</i>	5
Moraceae	<i>Treculia obovoidea</i>	14
Rubiaceae	<i>Tricalysia achoundongiana</i>	1
Rubiaceae	<i>Tricalysia</i> sp.2	1
Rubiaceae	<i>Tricalysia</i> sp.1	2
Meliaceae	<i>Trichilia aff.gilgiana</i>	50
Meliaceae	<i>Trichilia priureana</i>	114
Anacardiaceae	<i>Trichoscypha acuminata</i>	16
Anacardiaceae	<i>Trichoscypha klainei</i>	7
Anacardiaceae	<i>Trichoscypha oliveri</i>	6
Anacardiaceae	<i>Trichoscypha patens</i>	12
Anacardiaceae	<i>Trichoscypha preussii</i>	20
Anacardiaceae	<i>Trichoscypha</i> sp.	1
Anacardiaceae	<i>Trichoscypha</i> sp.12	3
Anacardiaceae	<i>Trichoscypha</i> sp.22	3
Anacardiaceae	<i>Trichoscypha</i> sp.31	2
Anacardiaceae	<i>Trichoscypha</i> sp.4	25
Anacardiaceae	<i>Trichoscypha</i> sp.6	5
Anacardiaceae	<i>Trichoscypha</i> sp.7	2
Anacardiaceae	<i>Trichoscypha</i> sp.72	10
Anacardiaceae	<i>Trichoscypha</i> sp.9	7
Anacardiaceae	<i>Trichoscypha</i> sp.1	1
Meliaceae	<i>Turraeanthus mannii</i>	1
Phyllanthaceae	<i>Uapaca acuminata</i>	3
Phyllanthaceae	<i>Uapaca guineensis</i>	1
Phyllanthaceae	<i>Uapaca staudtii</i>	111
Annonaceae	<i>Uvariastrum pynaertii</i>	14
Annonaceae	<i>Uvariadendron connivens</i>	46
Annonaceae	<i>Uvariopsis bakeriana</i>	10
Annonaceae	<i>Uvariopsis korupensis</i>	2
Rubiaceae	<i>Vangueriella chlorantha</i>	3

Rutaceae	<i>Vepris lecomteana</i>	1
Rutaceae	<i>Vepris soyauxii</i>	27
Asteraceae	<i>Vernonia frondosa</i>	1
Lamiaceae	<i>Vitex grandifolia</i>	77
Lamiaceae	<i>Vitex</i> sp.3	35
Lamiaceae	<i>Vitex</i> sp.4	10
Lamiaceae	<i>Vitex</i> sp.5	4
Lamiaceae	<i>Vitex</i> sp.1	2
Melastomataceae	<i>Warneckea jasminoides</i>	12
Melastomataceae	<i>Warneckea membranifolia</i>	11
Melastomataceae	<i>Warneckea pulcherrima</i>	16
Melastomataceae	<i>Warneckea</i> sp.22	6
Melastomataceae	<i>Warneckea</i> sp.3	1
Melastomataceae	<i>Warneckea</i> sp.1	1
Annonaceae	<i>Xylopiac acutiflora</i>	12
Annonaceae	<i>Xylopiac aethiopica</i>	4
Annonaceae	<i>Xylopiac africana</i>	1
Annonaceae	<i>Xylopiac</i> sp.4	1
Annonaceae	<i>Xylopiac</i> sp.1	2
Annonaceae	<i>Xylopiac staudtii</i>	4
Annonaceae	<i>Xylopiac villosa</i>	3
Rutaceae	<i>Zanthoxylon gillettii</i>	32
Rutaceae	<i>Zanthoxylon rubescens</i>	6
Rutaceae	<i>Zanthoxylon</i> sp.2	1
Rutaceae	<i>Zanthoxylon</i> sp.1	2
Fabaceae	<i>Zenkerella citrina</i>	13
Grand Total		9791

Table 7: Species Distribution across vegetation types in the Rumpi Hills Forest Reserve

Species	Degraded Submontane	Lowland	Montane	Piedmont	Submontane	Total
? ?	13	86	58	15	67	239
<i>Acridocarpus macrocalyx</i>				1		1
<i>Afrostryrax lepidophyllus</i>		17		95		112
<i>Afzelia bella</i>		2		1		3
<i>Afzelia bipindensis</i>		1				1
<i>Afzelia pachyloba</i>		1				1
<i>Agelaea</i> sp.		1				1
<i>Alangium chinense</i>	4					4
<i>Albizia adianthifolia</i>		39		12		51
<i>Albizia ferruginea</i>		4		1		5
<i>Albizia</i> sp.		1				1
<i>Albizia</i> sp.4				5		5
<i>Albizia zygia</i>	1			1		2
<i>Alchornea cordifolia</i>	11					11
<i>Alchornea floribunda</i>	15					15
<i>Alexis</i> sp.		42				42
<i>Allanblackia gabonensis</i>		2				2
<i>Allophylus africanus</i>		3		6		9
<i>Allophylus megaphyllus</i>		1				1
<i>Allophylus</i> sp.		1				1

<i>Allophylus</i> sp.2	1		1		2
<i>Allophylus</i> sp.3				5	5
<i>Alstonia boonei</i>		8		2	10
<i>Amphimas ferrugineus</i>		5		1	6
<i>Amphimas pterocarpoides</i>		2			2
<i>Angylocalyx oligophyllus</i>		124		47	171
<i>Anisophyllea meniaudii</i>		3			3
<i>Anisophyllea polyneura</i>		3		23	26
<i>Anisophyllea purpurascens</i>		7		60	67
<i>Anisophyllea sororia</i>		70		45	115
<i>Annickia chlorantha</i>		48		37	85
<i>Anthocleista schweinfurthii</i>		4			4
<i>Anthonotha fragrans</i>		17			17
<i>Anthonotha lamprophylla</i>		22		3	25
<i>Anthonotha macrophylla</i>		110		60	170
<i>Anthonotha</i> sp.		10			10
<i>Antidesma laciniatum</i>	1	2			3
<i>Antidesma</i> sp.	1	1		15	17
<i>Antidesma vogelianum</i>		35		19	54
<i>Antrocaryon micraster</i>		3			3
<i>Antrocaryon</i> sp.		1		1	2
<i>Aoranche cladantha</i>		9			9

<i>Aphanocalyx</i> sp.			1	1
<i>Ardisia</i> sp.		2	1	3
<i>Aulacocalyx caudata</i>	4			4
<i>Aulacocalyx jasminiflora</i>	30		6	36
<i>Aulacocalyx talbotii</i>	38		1	52
<i>Baikiaea insignis</i>	1			1
<i>Baphia buettneri</i>	25		1	26
<i>Baphia capparidifolia</i>	24		4	28
<i>Baphia laurifolia</i>	24		3	27
<i>Baphia</i> sp.	2			2
<i>Barteria fistulosa</i>	31		8	39
<i>Beilschmiedia acuta</i>	11		1	12
<i>Beilschmiedia mannii</i>	13		4	18
<i>Beilschmiedia</i> sp.	15		3	23
<i>Beilschmiedia</i> sp.2	24		59	85
<i>Beilschmiedia</i> sp.22				4
<i>Beilschmiedia</i> sp.6	53		25	78
<i>Beilschmiedia talbotiae</i>			6	6
<i>Belonophora coriacea</i>	2			2
<i>Belonophora wernhamii</i>	7			7
<i>Berlinia auriculata</i>	38			38
<i>Berlinia bracteosa</i>	54		12	66

<i>Berlinia hollandii</i>		3				3
<i>Bertiera laxa</i>		2				2
<i>Bertiera racemosa</i>		9		23		32
<i>Blighia sapida</i>		8		1	6	15
<i>Blighia welwitschii</i>		3				3
<i>Bombax buenopozense</i>		1				1
<i>Bridelia grandis</i>	37	9	14	7	16	83
<i>Bridelia micrantha</i>		9		1		10
<i>Calpocalyx dinklagei</i>		52				52
<i>Calpocalyx heitzii</i>		10				10
<i>Calycosiphonia spathicalyx</i>		2				2
<i>Campylospermum calanthum</i>		3				3
<i>Campylospermum flavum</i>		2		1		3
<i>Campylospermum mannii</i>		1		2		3
<i>Campylospermum sp.</i>		1				1
<i>Canarium schweinfurthii</i>		8				8
<i>Canthium sp.</i>				1		1
<i>Carapa angustifolia</i>		7				7
<i>Carapa oreophila</i>	2		137			139
<i>Carapa parviflora</i>		35		2		37
<i>Carapa sp.</i>					57	57
<i>Carapa zemagoana</i>		5				5

<i>Carpolobia lutea</i>	6		1		7
<i>Casearia barteri</i>	4		1	1	6
<i>Cassipourea</i> sp.	3				3
<i>Ceiba pentandra</i>	1				1
<i>Chrysobalanus icaco</i>	16			1	17
<i>Chytranthus edulis</i>	1				1
<i>Chytranthus</i> sp.	6		3		9
<i>Chytranthus talbotii</i>	5		1		6
<i>Cleistanthus letouzeyi</i>	43		38		81
<i>Cleistopholis patens</i>	4		1		5
<i>Cleistopholis staudtii</i>	6		4		10
<i>Coelocaryon preussii</i>	30		1		31
<i>Coelocaryon</i> sp.	6		10		16
<i>Coffea</i> sp.	1	1		3	5
<i>Cola altissima</i>	1				1
<i>Cola attiensis</i>	10				10
<i>Cola cauliflora</i>	55		69		124
<i>Cola chlamydantha</i>	8				8
<i>Cola digitata</i>	2				2
<i>Cola lateritia</i>	7				7
<i>Cola lepidota</i>	29		14		43
<i>Cola megalophylla</i>	15		2		17

<i>Cola nitida</i>		8	5		1	14
<i>Cola pachycarpa</i>		7				7
<i>Cola rostrata</i>	3	89		12		104
<i>Cola semecarpophylla</i>		134		1		135
<i>Cola sp.</i>		15				15
<i>Cola sp.2</i>				5		5
<i>Cola sp.3</i>		115		71		186
<i>Cola sp.nov.</i>		82		3		85
<i>Cola sp.nov.2</i>		1				1
<i>Cola suboppositifolia</i>				1		1
<i>Cola verticillata</i>	7	39	42	7	78	173
<i>Combretum sp.</i>		1		1		2
<i>Connarus sp.</i>		2		4		6
<i>Copaifera mildbraedii</i>		20				20
<i>Cordia sp.</i>		4		6		10
<i>Coula edulis</i>		45			1	46
<i>Crateranthus talbotii</i>		143				143
<i>Craterispermum aristatum</i>	1	36				37
<i>Croton sp.</i>	1	1			7	9
<i>Crotonogyne cf talbotii</i>		72				72
<i>Crudia sp.</i>		6				6
<i>Cuviera subuliflora</i>		5		11	10	26

<i>Cuviera trilocularis</i>	1		1		2
<i>Cylicomorpha solmsii</i>				5	5
<i>Dacryodes edulis</i>	107		46		153
<i>Dacryodes klaineana</i>	20		1		21
<i>Dactyladenia pallescens</i>	2				2
<i>Dactyladenia</i> sp.	1				1
<i>Dactyladenia</i> sp.1				13	13
<i>Dactyladenia staudtii</i>	6		2		8
<i>Dasylepis thomasii</i>	24	113		98	235
<i>Deinbollia pycnophylla</i>	7		5		12
<i>Deinbollia</i> sp.		11			11
<i>Deinbollia unijuga</i>	2				2
<i>Desbordesia glaucescens</i>	6				6
<i>Dialium dinklagei</i>	1				1
<i>Dialium pachyphyllum</i>	19		4		23
<i>Dialium</i> sp.	1				1
<i>Dichapetalum affine</i>	2				2
<i>Dichapetalum dewevrei</i>	6		3		9
<i>Dichapetalum heudelotii</i>	5		1	1	7
<i>Dichapetalum phytotrica</i>	1				1
<i>Dichapetalum</i> sp.	3	1	8		12
<i>Dichapetalum</i> sp.2		5			5

<i>Dichapetalum tomentosum</i>	4	3	7
<i>Dichostemma glaucescens</i>	95	7	102
<i>Didelotia africana</i>	5		5
<i>Diogoa</i> sp.			82
<i>Diogoa zenkeri</i>		8	8
<i>Diospyros bipindensis</i>	3		3
<i>Diospyros canaliculata</i>	50		50
<i>Diospyros cinnabarina</i>	5		59
<i>Diospyros gabunensis</i>	54		54
<i>Diospyros gracilescens</i>	6		6
<i>Diospyros hoyleana</i>	16		16
<i>Diospyros iturensis</i>	13		13
<i>Diospyros kamerunensis</i>	12		12
<i>Diospyros korupensis</i>	6	1	7
<i>Diospyros obliquifolia</i>	14		14
<i>Diospyros preussii</i>	34	31	65
<i>Diospyros</i> sp.	2		2
<i>Diospyros</i> sp. nov.	1		1
<i>Diospyros</i> sp.2		1	1
<i>Diospyros</i> sp.3		1	1
<i>Diospyros</i> sp.4	20		20
<i>Diospyros</i> sp.5	12		12

<i>Diospyros suaveolens</i>		11		5		16
<i>Diospyros zenkeri</i>		19		2		21
<i>Discoclaoxylon hexandrum</i>		1		4		5
<i>Discoglyprena caloneura</i>		12		9	1	22
<i>Distemonanthus benthamianus</i>		1				1
<i>Dracaena arborea</i>	19					19
<i>Dracaena bicolor</i>	1	3		1		5
<i>Dracaena talbotii</i>		4				4
<i>Drypetes gosweleri</i>					3	3
<i>Drypetes ivorensis</i>		9		1		10
<i>Drypetes laciniata</i>		5				5
<i>Drypetes molunduana</i>		9		21		30
<i>Drypetes paxii</i>		13		1		14
<i>Drypetes sp.3</i>				2	2	4
<i>Drypetes sp.4</i>		1				1
<i>Drypetes sp.5</i>		5		16		21
<i>Drypetes sp.6</i>		2				2
<i>Drypetes sp.7</i>			40			40
<i>Duboscia viridifolia</i>		1		1		2
<i>Endodesmia calophylloides</i>		10				10
<i>Englerophytum sp.</i>					7	7
<i>Englerophytum sp.2</i>		12				12

<i>Englerophytum</i> sp.3		4		4
<i>Englerophytum</i> sp.nov.	131		12	143
<i>Engomegoma gordonii</i>	17			17
<i>Entandrophragma cylindricum</i>	2			2
<i>Eriocoelum macrocarpum</i>	58		19	20
<i>Erismadelphus exsul</i>	11		9	20
<i>Erythrina milbraedii</i>	1			1
<i>Erythrophleum ivorensis</i>	3			3
<i>Erythroxyllum mannii</i>	1			1
<i>Euclinia longiflora</i>				1
<i>Eugenia callophyloides</i>	2		1	3
<i>Eugenia</i> sp.	1			1
<i>Eugenia</i> sp.2				5
<i>Euphorbia</i> sp.	1			1
<i>Euphorbia</i> sp.2				1
<i>Ficus mucuso</i>	9		1	10
<i>Ficus</i> sp.				5
<i>Ficus</i> sp.2				2
<i>Ficus</i> sp.3	13		5	8
<i>Funtumia elastica</i>	22		4	19
<i>Gaertnera bieleri</i>	1			1
<i>Gaertnera</i> sp.	1			1

<i>Gambeya africanum</i>	28				28
<i>Gambeya delevoyi</i>	5				5
<i>Gambeya korupensis</i>	10		15		25
<i>Gambeya lacourtianum</i>		26			26
<i>Garcinia cf polyantha</i>		91		78	169
<i>Garcinia conrauana</i>	3			45	48
<i>Garcinia gnetoides</i>	15		7		22
<i>Garcinia kola</i>	5		3		8
<i>Garcinia mannii</i>	60	2	41	33	136
<i>Garcinia polyantha</i>		97			97
<i>Garcinia sp.</i>		13			13
<i>Garcinia staudtii</i>	4				4
<i>Gilbertiodendron demonstrans</i>	1				1
<i>Gilbertiodendron sp.</i>	8				8
<i>Gilbertiodendron sp.2</i>	18				18
<i>Glossocalyx brevipes</i>	69				69
<i>Glyphaea brevis</i>		1			1
<i>Guarea cedrata</i>	1			14	15
<i>Guarea glomerulata</i>	3				3
<i>Guarea sp.</i>				1	1
<i>Guarea thompsonii</i>	8				8
<i>Hallea ledermannii</i>	4				4

<i>Harungana madagascariensis</i>				22	22
<i>Heckeldora staudtii</i>	3				3
<i>Heinsia crinita</i>	4		1		5
<i>Heisteria parvifolia</i>	11				11
<i>Hexalobus</i> sp.	1				1
<i>Homalium africanum</i>	38		4		42
<i>Homalium letestui</i>	30			1	31
<i>Homalium longistylum</i>	70	1	3	19	93
<i>Homalium</i> sp.		1		1	4
<i>Homalium</i> sp.1				16	16
<i>Hoplostigma klaineianum</i>	5				5
<i>Hunteria umbellata</i>	14				14
<i>Hylodendron gabunense</i>	1				1
<i>Hymenostegia korupensis</i>	19				19
<i>Hypodaphnis zenkeri</i>	38		9		47
<i>Iodes africana</i>	2				2
<i>Irvingia gabonensis</i>	60		3	2	65
<i>Irvingia grandifolia</i>	11		1		12
<i>Isolona campanulata</i>	1				1
<i>Isolona thonneri</i>	2				2
<i>Ixora hippoperifera</i>	3				3
<i>Ixora nematopoda</i>	17		6		23

<i>Ixora</i> sp.1		18		7		25
<i>Ixora</i> sp.2			1			1
<i>Jatropha curcas</i>	1				7	8
<i>Jollydora duparquetiana</i>		1				1
<i>Keayodendron bridelioides</i>		4				4
<i>Kigelia africana</i>	7	96		44		147
<i>Klaineanthus gaboniae</i>		67		7		74
<i>Klainedoxa gabonensis</i>		4		1		5
<i>Klainedoxa trillesii</i>		7				7
<i>Korupiodendron songweanum</i>		193				193
<i>Laccodiscus ferrugineus</i>		6		1		7
<i>Laccodiscus pseudostipularis</i>		1		9		10
<i>Landolphia congolensis</i>		1				1
<i>Landolphia dulcis</i>		1				1
<i>Landolphia landolphioides</i>		2		1		3
<i>Lannea</i> sp.					2	2
<i>Lasianthera africana</i>		10		3		13
<i>Lecomtedoxa klaineana</i>		4				4
<i>Leea guineensis</i>	5	1		4	12	22
<i>Leonardoxa</i> sp.		192		56		248
<i>Lepidobotrys staudtii</i>		2				2
<i>Leptaulus daphnoides</i>		6	2		8	16

<i>Leptaulus grandifolius</i>				1	1
<i>Leptoderris ledermannii</i>	10		11		21
<i>Leptonychia echinocarpa</i>	8		2		10
<i>Leptonychia macrantha</i>		1			1
<i>Leptonychia</i> sp.				2	2
<i>Lophira alata</i>	7				7
<i>Macaranga monandra</i>	46		7		53
<i>Macaranga</i> sp.	74	1		10	85
<i>Macaranga spinosa</i>	5				5
<i>Maesa lanceolata</i>		6			6
<i>Maesobotrya barteri</i>	12				12
<i>Maesobotrya dusenii</i>	14		6		20
<i>Maesobotrya</i> sp.				10	10
<i>Maesobotrya staudtii</i>	4		7		11
<i>Maesopsis eminii</i>	3		1	1	5
<i>Magnistipula aff. cuneatifolia</i>	1				1
<i>Magnistipula glaberrima</i>	12				12
<i>Mammea africana</i>	92		110		202
<i>Manilkara lososiana</i>	1				1
<i>Manilkara</i> sp.				2	2
<i>Maranthes kerstingii</i>				14	14
<i>Mareya micrantha</i>	5				5

<i>Mareyopsis longifolia</i>		60		85		145
<i>Margaritaria discoidea</i>	29	6		2		37
<i>Massularia acuminata</i>		32		9		41
<i>Memecylon afzelii</i>		5				5
<i>Memecylon calophyllum</i>					1	1
<i>Memecylon englerianum</i>		1				1
<i>Memecylon lateriflorum</i>		21		14		35
<i>Memecylon laurentii</i>		4		1		5
<i>Memecylon</i> sp.2			5			5
<i>Memecylon</i> sp.3					1	1
<i>Memecylon zenkeri</i>		7				7
<i>Microberlinia bisulcata</i>		4				4
<i>Microcos coriacea</i>		25		6		31
<i>Microdesmis puberula</i>		40		2		42
<i>Milicia excelsa</i>		3				3
<i>Milletia</i> sp.		1				1
<i>Millettia hypolampra</i>		1				1
<i>Monodora brevipes</i>		1				1
<i>Monodora myristica</i>	6					6
<i>Morelia senegalensis</i>		2				2
<i>Morinda lucida</i>		2				2
<i>Mostuea brunonis</i>		2				2

<i>Musanga cecropioides</i>	81		40	2	123
<i>Myrianthus arboreus</i>		2		1	3
<i>Myrianthus preussii</i>				55	55
<i>Napoleonaea heudelotii</i>	13		99		112
<i>Napoleonaea</i> sp.				8	8
<i>Napoleonaea talbotii</i>	17		4		21
<i>Nauclea diderrichii</i>	1				1
<i>Nauclea</i> sp.			2	1	3
<i>Neoboutonia glabrescens</i>	5		8		13
<i>Neuropeltis acuminata</i>	2				2
<i>Neuropeltis pseudovelutina</i>	1				1
<i>Neuropeltis velutina</i>	1				1
<i>Newtonia griffoniana</i>	6		5		11
<i>Octoknema affinis</i>	78		52	8	138
<i>Octoknema bakosiensis</i>	61				61
<i>Olax triplinervia</i>	1				1
<i>Omphalocarpum elatum</i>	13		3		16
<i>Oncoba glauca</i>	29		19		48
<i>Oncoba lophocarpa</i>		15			15
<i>Oncoba mannii</i>	11		1		12
<i>Oncoba ovalis</i>				17	17
<i>Oncoba</i> sp.2		1			1

<i>Oubanguia alata</i>	2	699		191		892
<i>Oubanguia laurifolia</i>		28				28
<i>Oxyanthus laxiflorus</i>		6				6
<i>Pachypodanthium staudtii</i>		6				6
<i>Panda oleosa</i>		7				7
<i>Parinari excelsa</i>		4				4
<i>Parinari</i> sp.		4				4
<i>Parkia bicolor</i>		6				6
<i>Parkia</i> sp.		3				3
<i>Pauridiantha floribunda</i>		4	1		31	36
<i>Pauridiantha</i> sp.			1		3	4
<i>Pauridiantha viridiflora</i>	42	3		3	3	51
<i>Pausinystalia macroceras</i>		53				53
<i>Pavetta</i> sp.			14			14
<i>Pavetta</i> sp.1	1					1
<i>Penianthus camerounensis</i>		1				1
<i>Pentaclethra macrophylla</i>		2				2
<i>Pentadesma butryacea</i>		1				1
<i>Pentadesma grandifolia</i>		31				31
<i>Persea americana</i>	2					2
<i>Petitiocodon parviflorum</i>		7				7
<i>Petitiocodon</i> sp.				5		5

<i>Phyllobotryon spathulathum</i>	45			45
<i>Pierreodendron africanum</i>	15			15
<i>Piptadeniastrum africanum</i>	37		4	41
<i>Piptostigma oyemense</i>	17		20	37
<i>Piptostigma pilosum</i>	5			5
<i>Piptostigma</i> sp.			10	10
<i>Placodiscus</i> cf. <i>caudatus</i>	68		1	69
<i>Plagiosiphon multijugus</i>			3	3
<i>Pleiocarpa bicarpellata</i>	6			6
<i>Pleiocarpa rostrata</i>	2			2
<i>Pleiocarpa</i> sp.		12		24
<i>Poga oleosa</i>	7			7
<i>Polyanthia suaveolens</i>	32	2		34
<i>Polyceratocarpus parviflorus</i>	27		41	68
<i>Polycias fulva</i>		4		13
<i>Pouteria</i> sp.	38		63	20
<i>Pouteria</i> sp.2	1			1
<i>Protomegabaria stapfiana</i>	300		60	360
<i>Pseudospondias microcarpa</i>	47		33	80
<i>Psilanthus mannii</i>	1			1
<i>Psychotria bimbiensis</i>	1			1
<i>Psychotria dorotheae</i>	1			1

<i>Psychotria peduncularis</i>	1	14		21	36
<i>Psychotria</i> sp.2	2				2
<i>Psychotria</i> sp.3	2				2
<i>Psychotria</i> sp.5			7		7
<i>Psychotria</i> sp.6		7		2	9
<i>Psychotria</i> sp.7				1	1
<i>Psychotria</i> sp.8		8	4	9	21
<i>Psychotria</i> sp.9	11				11
<i>Psychotria</i> sp.10		7			7
<i>Psydrax</i> sp.				6	6
<i>Pterocarpus soyauxii</i>	3				3
<i>Pycnanthus angolensis</i>	99		92		191
<i>Pycnocomma macrophylla</i>	5				5
<i>Quassia silvestris</i>	10		3	3	16
<i>Rauvolfia caffra</i>			1		1
<i>Rauvolfia mannii</i>	5		1		6
<i>Rauvolfia vomitoria</i>	9	5	4		18
<i>Rhabdophyllum affine</i>	11				11
<i>Rhabdophyllum</i> sp.				1	1
<i>Rhaphiostylis beninensis</i>	4				4
<i>Rhaphiostylis viridiflora</i>	1				1
<i>Rhaptopetalum coriaceum</i>	5		1		6

<i>Rhaptopetalum geophylax</i>			8	8
<i>Rhaptopetalum</i> sp.	2			2
<i>Rhaptopetalum</i> sp.2			9	9
<i>Rhaptopetalum</i> sp.nov.	18	13		31
<i>Ricinodendron heudelotii</i>	2			2
<i>Rinorea dentata</i>	162	44		206
<i>Rinorea kamerunensis</i>	11			11
<i>Rinorea leophylla</i>	37			37
<i>Rinorea oblongifolia</i>	197	50		247
<i>Rinorea</i> sp.3	18			18
<i>Rinorea</i> sp.33			9	9
<i>Rinorea</i> sp.4	1			1
<i>Rinorea</i> sp.5	1			1
<i>Rinorea subintegrifolia</i>	19			19
<i>Rinorea woermanniana</i>	15			15
<i>Rothmannia hispida</i>	5	2		7
<i>Rothmannia lujae</i>	2			2
<i>Rothmannia</i> sp.	1	1		2
<i>Saccoglottis gabonensis</i>	6			6
<i>Salacia loloensis</i>	8			8
<i>Salacia pyriformis</i>	3	2	1	6
<i>Santalinoides afzelii</i>	2	1		3

<i>Santiria balsamifera</i>	98		34	39	171
<i>Sapium ellipticum</i>	16		1	4	21
<i>Sapium</i> sp.	1		9		10
<i>Scaphopetalum blackii</i>	37				37
<i>Schefflera abyssinica</i>			6		6
<i>Schefflera barteri</i>				1	1
<i>Schumanniphyton magnificum</i>	3		11		14
<i>Schumanniphyton</i> sp.			3		3
<i>Scottellia klaineana</i>	7				7
<i>Scyphocephalum mannii</i>	47		8		55
<i>Scytotepalium klaineianum</i>	24				24
<i>Sibangea similis</i>	20				20
<i>Sorindeia grandifolia</i>	10				10
<i>Sorindeia juglandifolia</i>	13		9		22
<i>Sorindeia</i> sp.	1				1
<i>Soyauxia gabunensis</i>	141		19		160
<i>Staudtia gabunensis</i>	35		1		36
<i>Staudtia kamerunensis</i>	74		1		75
<i>Staudtia</i> sp.	1				1
<i>Sterculia tragacantha</i>	8		6		14
<i>Strephonema pseudocola</i>	26		2		28
<i>Strombosia grandifolia</i>	169		249		418

<i>Strombosia pustulata</i>		122		49		171
<i>Strombosia scheffleri</i>		47		65		112
<i>Strombosia</i> sp.		30		67		97
<i>Strombosia</i> sp.1			195			195
<i>Strombosiopsis tetrandra</i>	2	101		78		181
<i>Strychnos angolensis</i>		1				1
<i>Strychnos camptoneura</i>		5				5
<i>Strychnos congolana</i>		3				3
<i>Strychnos johnsonii</i>				1		1
<i>Strychnos memecyloides</i>				1		1
<i>Strychnos tricalysioides</i>		5				5
<i>Symphonia globulifera</i>	3	28	20	39	18	108
<i>Synsepalum</i> sp.		4				4
<i>Synsepalum</i> sp.2				5		5
<i>Syrrhonema fasciculatum</i>		5		1		6
<i>Syzygium rowlandii</i>		21	14	1	19	55
<i>Syzygium staudtii</i>			36			36
<i>Tabernaemontana brachyantha</i>	2	161		130	2	295
<i>Tabernaemontana crassa</i>		25		15		40
<i>Tabernaemontana ventricosa</i>	3		47		105	155
<i>Talbotiella korupensis</i>	3	89		6		98
<i>Tapura africana</i>		54		1		55

<i>Tarenna glandiflora</i>		9			9
<i>Tarenna</i> sp.1		2			2
<i>Terminalia ivorensis</i>		2			2
<i>Terminalia superba</i>		4			4
<i>Tetraberlinia bifoliolata</i>		20			20
<i>Tetraberlinia korupensis</i>		21			21
<i>Tetracera potatoria</i>			1		1
<i>Tetrapleura tetraptera</i>		1			1
<i>Tetrorchidium didymostemon</i>		2		8	10
<i>Thecacoris leptobotrya</i>		2			2
<i>Thunbergia affinis</i>	5				5
<i>Treculia africana</i>		5	3		8
<i>Treculia obovoidea</i>		14			14
<i>Trema orientalis</i>	49				49
<i>Tricalysia</i> sp.2		1			1
<i>Tricalysia</i> sp.1		2			2
<i>Trichilia aff.gilgiana</i>		50	24	11	85
<i>Trichilia prieureana</i>		114	171	34	319
<i>Trichoscypha acuminata</i>		16			16
<i>Trichoscypha klainei</i>		7			7
<i>Trichoscypha oliveri</i>		6	61		67
<i>Trichoscypha patens</i>		12	5		17

<i>Trichoscypha preussii</i>	1	20		21
<i>Trichoscypha</i> sp.10			61	61
<i>Trichoscypha</i> sp.12		3		3
<i>Trichoscypha</i> sp.22		3		3
<i>Trichoscypha</i> sp.31		2		2
<i>Trichoscypha</i> sp.4		25	14	39
<i>Trichoscypha</i> sp.6		5	1	6
<i>Trichoscypha</i> sp.7		2	9	11
<i>Trichoscypha</i> sp.72		10	3	13
<i>Trichoscypha</i> sp.8			23	23
<i>Trichoscypha</i> sp.9		7		7
<i>Trichoscypha</i> sp.1		1		1
<i>Turraeanthus africanus</i>			14	14
<i>Turraeanthus mannii</i>		1		1
<i>Uapaca acuminata</i>		3		3
<i>Uapaca guineensis</i>		1		1
<i>Uapaca staudtii</i>		111	52	163
<i>Uvariastrum pynaertii</i>	1	14		15
<i>Uvariadendron connivens</i>		46	31	77
<i>Uvariadendron</i> sp.1			3	3
<i>Uvariopsis bakeriana</i>		9		9
<i>Uvariopsis korupensis</i>		1	24	25

<i>Uvariopsis submontana</i>				10	10
<i>Vangueriella chlorantha</i>		3			3
<i>Vepris lecomteana</i>		1	5		6
<i>Vepris soyauxii</i>		27			27
<i>Vepris</i> sp.				2	2
<i>Vernonia conferta</i>	1		16	12	29
<i>Vernonia frondosa</i>		1			1
<i>Vitex grandifolia</i>		77	42		119
<i>Vitex</i> sp.3		35			35
<i>Vitex</i> sp.4		10			10
<i>Vitex</i> sp.5		4			4
<i>Vitex</i> sp.6	4				4
<i>Vitex</i> sp.1		2			2
<i>Voacanga africana</i>				23	23
<i>Voacanga psilocalyx</i>			1		1
<i>Voacanga</i> sp.1				1	1
<i>Warneckea jasminoides</i>		12	3		15
<i>Warneckea membranifolia</i>		11			11
<i>Warneckea pulcherrima</i>		15	5		20
<i>Warneckea</i> sp.22		6	1	1	8
<i>Warneckea</i> sp.3		1			1
<i>Warneckea</i> sp.1		1			1

<i>Xylopi</i>	12		7		19
<i>Xylopi</i>	4		4		8
<i>Xylopi</i>		37			37
<i>Xylopi</i>	1	97			98
<i>Xylopi</i> sp.3			1		1
<i>Xylopi</i> sp.4	1			1	2
<i>Xylopi</i> sp.1	2				2
<i>Xylopi</i> <i>staudtii</i>	4		3	6	13
<i>Xylopi</i> <i>villosa</i>	3				3
<i>Zanthoxylon</i> <i>gilletii</i>	32		43		75
<i>Zanthoxylon</i> <i>rubescens</i>	6			2	8
<i>Zanthoxylon</i> sp.4		2			2
<i>Zanthoxylon</i> sp.2	1			18	19
<i>Zanthoxylon</i> sp.1	2				2
<i>Zenkerella</i> <i>citrina</i>	13	7	1	19	40
Grand Total	387	9689	1339	3806	1540
				16761	

Table 8: Preliminary Species list of Rumpi Hills Forest Reserve with IUCN and Endemic Status, Stem occurrence and Basal Area

Family	Species	Frequency	IUCN Status	Endemic to Cameroon	Endemic in the Subregion	Endemic to Study Area	Basal Area (m/ha)
?	? ?	239					1618.6522
Acanthaceae	<i>Acanthus montanus</i>	1	LC	-	-	-	0
Malpighiaceae	<i>Acridocarpus macrocalyx</i>	1	NT	-	-	-	0.0094985
Huaceae	<i>Afrostryax lepidophyllus</i>	112	LC	-	-	-	285.71652
Fabaceae	<i>Afzelia bella</i>	3	LC	-	-	-	0.1485416
Fabaceae	<i>Afzelia bipindensis</i>	1	VU	-	-	-	0.0323491
Fabaceae	<i>Afzelia pachyloba</i>	1	VU	-	-	-	0.0678523
Ericaceae	<i>Agarista salicifolia</i>	1	LC	-	-	-	-
Connaraceae	<i>Agelaea pentagyna</i>	1	LC	-	-	-	-
Connaraceae	<i>Agelaea</i> sp.	1	-	-	-	-	0.011304
Alangiaceae	<i>Alangium chinense</i>	4	LC	-	-	-	0.5711731
Fabaceae	<i>Albizia adianthifolia</i>	51	LC	-	-	-	199.90634
Fabaceae	<i>Albizia ferruginea</i>	5	LC	-	-	-	5.2333783
Fabaceae	<i>Albizia</i> sp.	1	-	-	-	-	0.1854139
Fabaceae	<i>Albizia</i> sp.4	5	-	-	-	-	3.6760734
Fabaceae	<i>Albizia zygia</i>	2	LC	-	-	-	0.1127582
Euphorbiaceae	<i>Alchornea cordifolia</i>	11	LC	-	-	-	0.2374625
Euphorbiaceae	<i>Alchornea floribunda</i>	15	LC	-	-	-	0.0628699
Violaceae	<i>Alexis</i> sp.	43	-	-	-	-	1.6119889
Clusiaceae	<i>Allanblackia gabonensis</i>	2	VU	-	**	-	0.1175687
Sapindaceae	<i>Allophylus africanus</i>	9	LC	-	-	-	1.409546
Sapindaceae	<i>Allophylus megaphyllus</i>	1	EN	-	**	-	0.0001766

Sapindaceae	<i>Allophylus</i> sp.	1	-	-	-	-	0.0001766
Sapindaceae	<i>Allophylus</i> sp.2	2	-	-	-	-	0.0162778
Sapindaceae	<i>Allophylus</i> sp.3	5	-	-	-	-	0.2297546
Apocynaceae	<i>Alstonia boonei</i>	10	LC	-	-	-	38.508973
Fabaceae	<i>Amphimas ferrugineus</i>	7	LC	-	-	-	2.322344
Fabaceae	<i>Amphimas pterocarpoides</i>	2	LC	-	-	-	0.0035239
Araceae	<i>Anchomanes difformis</i>	1	LC	-	-	-	0
Ancistrocladiaceae	<i>Ancistrocladus letestui</i>	1	LC	-	-	-	0
Fabaceae	<i>Angylocalyx oligophyllus</i>	171	LC	-	-	-	17.429311
Anisophylleaceae	<i>Anisophyllea meniaudii</i>	3	DD	-	-	-	0.3195295
Anisophylleaceae	<i>Anisophyllea polyneura</i>	27	LC	-	-	-	28.081303
Anisophylleaceae	<i>Anisophyllea purpurascens</i>	67	DD	-	-	-	64.293463
Anisophylleaceae	<i>Anisophyllea sororia</i>	115	DD	-	-	-	253.71866
Annonaceae	<i>Annickia chlorantha</i>	85	LC	-	-	-	275.15293
Gentianaceae	<i>Anthocleista schweinfurthii</i>	4	LC	-	-	-	0.5996427
Fabaceae	<i>Anthonotha fragrans</i>	17	LC	-	-	-	6.5927471
Fabaceae	<i>Anthonotha lamprophylla</i>	25	LC	-	-	-	6.7115742
Fabaceae	<i>Anthonotha macrophylla</i>	170	LC	-	-	-	688.43636
Fabaceae	<i>Anthonotha</i> sp.	10	-	-	-	-	6.1280523
Phyllanthaceae	<i>Antidesma chevalieri</i>	1	LC	-	-	-	0
Phyllanthaceae	<i>Antidesma laciniatum</i>	5	LC	-	-	-	0.0580774
Phyllanthaceae	<i>Antidesma</i> sp.	17	-	-	-	-	4.2361183
Phyllanthaceae	<i>Antidesma vogelianum</i>	54	LC	-	-	-	31.742952
Anacardiaceae	<i>Antrocaryon micraster</i>	3	LC	-	-	-	0.3275931
Anacardiaceae	<i>Antrocaryon</i> sp.	2	-	-	-	-	0.693626
Araceae	<i>Anubias barteri</i>	1	LC	-	-	-	0
Rubiaceae	<i>Aorranthe cladantha</i>	9	LC	-	-	-	1.5851042

Fabaceae	<i>Aphanocalyx</i> sp.	1	-	-	-	-	0.0176625
Myrsinaceae	<i>Ardisia</i> sp.	3	-	-	-	-	0.0015896
Rubiaceae	<i>Aulacocalyx caudata</i>	5	LC	-	-	-	0.0091562
Rubiaceae	<i>Aulacocalyx jasminiflora</i>	37	LC	-	-	-	5.3762209
Rubiaceae	<i>Aulacocalyx talbotii</i>	52	LC	-	-	-	37.656039
Fabaceae	<i>Baikiaea insignis</i>	1	LC	-	-	-	0.026577
Fabaceae	<i>Baphia buettneri</i>	26	NT	-	**	-	3.8236165
Fabaceae	<i>Baphia capparidifolia</i>	28	LC	-	-	-	9.5175943
Fabaceae	<i>Baphia laurifolia</i>	27	LC	-	-	-	5.2171759
Fabaceae	<i>Baphia</i> sp.	2	-	-	-	-	0.034949
Passifloraceae	<i>Barteria fistulosa</i>	40	LC	-	-	-	37.254782
Begoniaceae	<i>Begonia</i> sp.	1	-	-	-	-	0
Lauraceae	<i>Beilschmiedia acuta</i>	12	DD	-	**	-	1.2031255
Lauraceae	<i>Beilschmiedia mannii</i>	18	LC	-	-	-	2.0728906
Lauraceae	<i>Beilschmiedia</i> sp.	23	-	-	-	-	20.481956
Lauraceae	<i>Beilschmiedia</i> sp.2	85	-	-	-	-	15.025391
Lauraceae	<i>Beilschmiedia</i> sp.22	4	-	-	-	-	0.0514458
Lauraceae	<i>Beilschmiedia</i> sp.6	78	-	-	-	-	114.3437
Lauraceae	<i>Beilschmiedia talbotiae</i>	6	LC	-	-	-	1.8908326
Rubiaceae	<i>Belonophora coriacea</i>	2	LC	-	-	-	0.0018086
Rubiaceae	<i>Belonophora wernhamii</i>	7	NT	-	**	-	0.0134714
Fabaceae	<i>Berlinia auriculata</i>	38	LC	-	-	-	25.692925
Fabaceae	<i>Berlinia bracteosa</i>	66	LC	-	-	-	491.56745
Fabaceae	<i>Berlinia hollandii</i>	3	LC	-	-	-	0.8151134
Melianthaceae	<i>Bersama abyssinica</i>	1	LC	-	-	-	0
Rubiaceae	<i>Bertiera aequatorialis</i>	1	LC	-	-	-	0
Rubiaceae	<i>Bertiera laxa</i>	2	LC	-	-	-	0.0005723

Rubiaceae	<i>Bertiera racemosa</i>	33	LC	-	-	-	0.5342906
Sapindaceae	<i>Blighia sapida</i>	15	LC	-	-	-	11.139377
Sapindaceae	<i>Blighia welwitschii</i>	3	LC	-	-	-	0.1063078
Bombacaceae	<i>Bombax buenopozense</i>	1	LC	-	-	-	0.271409
Phyllanthaceae	<i>Bridelia grandis</i>	83	LC	-	-	-	335.26059
Phyllanthaceae	<i>Bridelia micrantha</i>	10	LC	-	-	-	2.4095606
Fabaceae	<i>Calpocalyx dinklagei</i>	52	LC	-	-	-	123.48188
Fabaceae	<i>Calpocalyx heitzii</i>	10	NT	-	-	-	1.4776714
Rubiaceae	<i>Calycosiphonia macrochlamys</i>	1	NT	-	-	-	0
Rubiaceae	<i>Calycosiphonia spathicalyx</i>	2	LC	-	-	-	0.1063078
Ochnaceae	<i>Campylospermum calanthum</i>	3	LC	***	-	-	0.0198456
Ochnaceae	<i>Campylospermum flavum</i>	4	LC	-	-	-	0.0014515
Ochnaceae	<i>Campylospermum mannii</i>	4	NT	-	**	-	0.0037374
Ochnaceae	<i>Campylospermum sp.</i>	1	-	-	-	-	0.0002269
Ochnaceae	<i>Campylospermum sulcatum</i>	1	LC	-	-	-	0
Burseraceae	<i>Canarium schweinfurthii</i>	8	LC	-	-	-	2.8998559
Rubiaceae	<i>Canthium sp.</i>	1	-	-	-	-	0.0683146
Meliaceae	<i>Carapa angustifolia</i>	7	NE	-	-	-	2.6953831
Meliaceae	<i>Carapa dinklagei</i>	1	NE	-	-	-	0
Meliaceae	<i>Carapa oreophila</i>	139	NE	-	**	-	1097.146
Meliaceae	<i>Carapa parviflora</i>	38	NE	-	-	-	49.838884
Meliaceae	<i>Carapa sp.</i>	57	-	-	-	-	221.08389
Meliaceae	<i>Carapa zemagoana</i>	6	NE	-	**	-	0.0426169
Polygalaceae	<i>Carpolobia lutea</i>	7	LC	-	-	-	0.0145194
Salicaceae	<i>Casearia barteri</i>	6	LC	-	-	-	0.5304119
Rhizophoraceae	<i>Cassipourea korupensis</i>	1	CR	***	-	-	0
Rhizophoraceae	<i>Cassipourea sp.</i>	3	-	-	-	-	0.0059417

Bombacaceae	<i>Ceiba pentandra</i>	1	LC	-	-	-	0.488679
Chrysobalanaceae	<i>Chrysobalanus icaco</i>	17	LC	-	-	-	6.3003229
Sapindaceae	<i>Chytranthus edulis</i>	1	DD	-	-	-	0.0018086
Sapindaceae	<i>Chytranthus</i> sp.	9	-	-	-	-	0.2523689
Sapindaceae	<i>Chytranthus talbotii</i>	6	LC	-	-	-	0.0961625
Phyllanthaceae	<i>Cleistanthus letouzeyi</i>	81	VU	-	**	-	161.08642
Annonaceae	<i>Cleistopholis patens</i>	5	LC	-	-	-	2.2129472
Annonaceae	<i>Cleistopholis staudtii</i>	10	NT	-	**	-	8.8570616
Connaraceae	<i>Cnestis corniculata</i>	1	LC	-	-	-	0
Myristicaceae	<i>Coelocaryon preussii</i>	32	LC	-	-	-	137.46315
Myristicaceae	<i>Coelocaryon</i> sp.	16	-	-	-	-	11.82989
Rubiaceae	<i>Coffea</i> sp.	5	-	-	-	-	0.1603786
Malvaceae	<i>Cola altissima</i>	1	LC	-	-	-	0.0314
Malvaceae	<i>Cola attiensis</i>	10	LC	-	-	-	0.0433516
Malvaceae	<i>Cola cauliflora</i>	125	LC	-	**	-	24.890906
Malvaceae	<i>Cola chlamydantha</i>	8	LC	-	-	-	0.4103423
Malvaceae	<i>Cola digitata</i>	3	LC	-	-	-	0.0013847
Malvaceae	<i>Cola gabonensis</i>	1	LC	-	-	-	0
Malvaceae	<i>Cola lateritia</i>	7	LC	-	-	-	1.0130394
Malvaceae	<i>Cola lepidota</i>	43	LC	-	-	-	26.289155
Malvaceae	<i>Cola megalophylla</i>	19	EN	-	-	*	9.1013096
Malvaceae	<i>Cola nitida</i>	14	LC	-	-	-	3.1118036
Malvaceae	<i>Cola pachycarpa</i>	8	LC	-	-	-	0.3683416
Malvaceae	<i>Cola rostrata</i>	104	LC	-	**	-	126.35358
Malvaceae	<i>Cola semecarpophylla</i>	135	LC	-	**	-	11.015525
Malvaceae	<i>Cola</i> sp.	16	-	-	-	-	0.5873566
Malvaceae	<i>Cola</i> sp.2	5	-	-	-	-	0.1397959

Malvaceae	<i>Cola</i> sp.3	186	-	-	-	-	14.474172
Malvaceae	<i>Cola</i> sp.nov.	85	-	-	-	-	5.4256382
Malvaceae	<i>Cola</i> sp.nov.2	1	-	-	-	-	0.000113
Malvaceae	<i>Cola suboppositifolia</i>	2	EN	***	-	-	0.0002834
Malvaceae	<i>Cola verticillata</i>	173	LC	-	-	-	2294.8287
Combretaceae	<i>Combretum</i> sp.	2	-	-	-	-	0.3661939
Connaraceae	<i>Connarus</i> sp.	6	-	-	-	-	0.1313156
Fabaceae	<i>Copaifera mildbraedii</i>	20	LC	-	-	-	75.992648
Boraginaceae	<i>Cordia aurantiaca</i>	1	LC	-	-	-	1.5851042
Boraginaceae	<i>Cordia</i> sp.	10	-	-	-	-	166.07226
Costaceae	<i>Costus afer</i>	1	LC	-	-	-	0
Olacaceae	<i>Coula edulis</i>	46	LC	-	-	-	336.88483
Lecythidaceae	<i>Crateranthus talbotii</i>	144	VU	-	**	-	7.9332422
Rubiaceae	<i>Craterispermum aristatum</i>	37	EN	-	**	-	3.9177435
Rubiaceae	<i>Craterispermum caudatum</i>	2	LC	-	-	-	0
Euphorbiaceae	<i>Croton</i> sp.	9	-	-	-	-	3.7649385
Euphorbiaceae	<i>Crotonogyne cf talbotii</i>	72	-	-	-	-	0
Fabaceae	<i>Crudia</i> sp.	6	-	-	-	-	8.3836618
Araceae	<i>Culcasia angolensis</i>	1	LC	-	-	-	0
Rubiaceae	<i>Cuviera subuliflora</i>	26	LC	-	-	-	10.015959
Rubiaceae	<i>Cuviera trilocularis</i>	2	LC	-	-	-	0.0015198
Caricaceae	<i>Cylicomorpha solmsii</i>	5	VU	***	-	-	8.8044038
Burseraceae	<i>Dacryodes edulis</i>	153	LC	-	-	-	815.43673
Burseraceae	<i>Dacryodes klaineana</i>	21	LC	-	-	-	5.3066
Chrysobalanaceae	<i>Dactyladenia pallescens</i>	2	LC	-	-	-	0.0415265
Chrysobalanaceae	<i>Dactyladenia</i> sp.	1	-	-	-	-	0.2695659
Chrysobalanaceae	<i>Dactyladenia</i> sp.1	13	-	-	-	-	6.4299695

Chrysobalanaceae	<i>Dactyladenia staudtii</i>	8	LC	-	-	-	0.4080752
Achariaceae	<i>Dasylepis thomasii</i>	235	LC	-	-	-	823.60385
Sapindaceae	<i>Deinbollia angustifolia</i>	1	VU	***	-	*	0
Sapindaceae	<i>Deinbollia pycnophylla</i>	12	EN	-	-	-	2.3358656
Sapindaceae	<i>Deinbollia</i> sp.	11	-	-	-	-	2.2900522
Sapindaceae	<i>Deinbollia unijuga</i>	3	EN	***	-	*	0.0005723
Irvingiaceae	<i>Desbordesia glaucescens</i>	6	LC	-	-	-	8.1746203
Fabaceae	<i>Dialium dinklagei</i>	1	LC	-	-	-	0.7462406
Fabaceae	<i>Dialium pachyphyllum</i>	23	LC	-	-	-	21.283586
Fabaceae	<i>Dialium</i> sp.	1	-	-	-	-	0.00785
Dichapetalaceae	<i>Dichapetalum affine</i>	3	LC	-	**	-	0.0006602
Dichapetalaceae	<i>Dichapetalum dewevrei</i>	9	LC	-	-	-	0.0213716
Dichapetalaceae	<i>Dichapetalum heudelotii</i>	7	LC	-	-	-	0.3683416
Dichapetalaceae	<i>Dichapetalum pallidum</i>	1	LC	-	-	-	0
Dichapetalaceae	<i>Dichapetalum phiotrica</i>	1	LC	-	-	-	0.0089875
Dichapetalaceae	<i>Dichapetalum</i> sp.	12	-	-	-	-	0.7099548
Dichapetalaceae	<i>Dichapetalum</i> sp.2	5	-	-	-	-	0.0314
Dichapetalaceae	<i>Dichapetalum tomentosum</i>	7	LC	-	-	-	0.477594
Euphorbiaceae	<i>Dichostemma glaucescens</i>	102	LC	-	-	-	216.94054
Thymelaeaceae	<i>Dicranolepis disticha</i>	1	LC	-	-	-	0
Fabaceae	<i>Didelotia africana</i>	5	LC	-	-	-	1.8376065
Olacaceae	<i>Diogoia</i> sp.	82	-	-	-	-	192.11677
Olacaceae	<i>Diogoia zenkeri</i>	8	LC	-	-	-	0.8199199
Ebenaceae	<i>Diospyros bipindensis</i>	3	LC	-	-	-	0.0411662
Ebenaceae	<i>Diospyros canaliculata</i>	50	LC	-	-	-	14.765512
Ebenaceae	<i>Diospyros cinnabarina</i>	66	LC	-	-	-	83.26448
Ebenaceae	<i>Diospyros gabunensis</i>	54	LC	-	-	-	48.91746

Ebenaceae	<i>Diospyros gracilescens</i>	6	LC	-	-	-	2.0728906
Ebenaceae	<i>Diospyros hoyleana</i>	16	LC	-	-	-	3.744337
Ebenaceae	<i>Diospyros iturensis</i>	14	LC	-	-	-	1.8256156
Ebenaceae	<i>Diospyros kamerunensis</i>	13	LC	-	-	-	0.4690603
Ebenaceae	<i>Diospyros korupensis</i>	7	VU	***	-	-	0.5188607
Ebenaceae	<i>Diospyros obliquifolia</i>	14	LC	-	-	-	0.1568501
Ebenaceae	<i>Diospyros preussii</i>	65	LC	-	-	-	1.79225
Ebenaceae	<i>Diospyros</i> sp.	2	-	-	-	-	0.0978181
Ebenaceae	<i>Diospyros</i> sp. nov.	1	-	-	-	-	0.0004906
Ebenaceae	<i>Diospyros</i> sp.2	1	-	-	-	-	0.0004522
Ebenaceae	<i>Diospyros</i> sp.3	1	-	-	-	-	0.000201
Ebenaceae	<i>Diospyros</i> sp.4	20	-	-	-	-	3.1337231
Ebenaceae	<i>Diospyros</i> sp.5	12	-	-	-	-	3.1809527
Ebenaceae	<i>Diospyros suaveolens</i>	16	LC	-	-	-	2.0525309
Ebenaceae	<i>Diospyros zenkeri</i>	21	LC	-	-	-	9.1013096
Euphorbiaceae	<i>Discoclaoxylon hexandrum</i>	6	LC	-	-	-	0.362984
Euphorbiaceae	<i>Discoglypremna caloneura</i>	22	LC	-	-	-	25.147946
Fabaceae	<i>Distemonanthus benthamianus</i>	1	LC	-	-	-	0.183891
Moraceae	<i>Dorstenia africana</i>	2	LC	-	-	-	0
Moraceae	<i>Dorstenia turbinata</i>	1	LC	-	-	-	0
Ruscaceae	<i>Dracaena arborea</i>	19	LC	-	-	-	32.274289
Ruscaceae	<i>Dracaena bicolor</i>	5	VU	-	-	-	0.2082016
Ruscaceae	<i>Dracaena goldieana</i>	2	EN	-	-	-	0
Ruscaceae	<i>Dracaena surculosa</i>	1	LC	-	-	-	0
Ruscaceae	<i>Dracaena talbotii</i>	4	EN	-	-	-	0.0169631
Putranjivaceae	<i>Drypetes gosweleri</i>	3	LC	-	-	-	0.180864
Putranjivaceae	<i>Drypetes ivorensis</i>	10	DD	-	-	-	2.4955849

Putranjivaceae	<i>Drypetes laciniata</i>	5	LC	-	-	-	0.028041
Putranjivaceae	<i>Drypetes molunduana</i>	30	NT	-	-	-	0.6443563
Putranjivaceae	<i>Drypetes paxii</i>	14	LC	-	-	-	2.0856665
Putranjivaceae	<i>Drypetes</i> sp.3	4	-	-	-	-	0.7204447
Putranjivaceae	<i>Drypetes</i> sp.4	1	-	-	-	-	0.0005723
Putranjivaceae	<i>Drypetes</i> sp.5	21	-	-	-	-	8.1898265
Putranjivaceae	<i>Drypetes</i> sp.6	2	-	-	-	-	0.0580774
Putranjivaceae	<i>Drypetes</i> sp.7	40	-	-	-	-	52.539077
Malvaceae	<i>Duboscia viridifolia</i>	2	LC	-	-	-	0.0036298
Rubiaceae	<i>Ecpoma gigantistipula</i>	1	LC	-	-	-	0
Arecaceae	<i>Elaeis guineensis</i>	1	LC	-	-	-	0
Clusiaceae	<i>Endodesmia calophylloides</i>	10	LC	-	-	-	8.4041974
Sapotaceae	<i>Englerophytum</i> sp.	7	-	-	-	-	0.6804074
Sapotaceae	<i>Englerophytum</i> sp.2	12	-	-	-	-	0.264074
Sapotaceae	<i>Englerophytum</i> sp.3	4	-	-	-	-	0.3640524
Sapotaceae	<i>Englerophytum</i> sp.nov.	143	-	-	-	-	155.55711
Olacaceae	<i>Engomegoma gordonii</i>	17	LC	-	-	-	27.706953
Meliaceae	<i>Entandrophragma cylindricum</i>	2	VU	-	-	-	0.0307751
Orchidaceae	<i>Epipogium roseum</i>	1	LC	-	-	-	0
Arecaceae	<i>Eremospatha macrocarpa</i>	1	LC	-	-	-	0
Arecaceae	<i>Eremospatha wenlandiana</i>	1	LC	-	-	-	0
Sapindaceae	<i>Eriocoelum macrocarpum</i>	97	LC	-	-	-	833.03868
Vochysiaceae	<i>Erismadelphus exsul</i>	20	LC	-	-	-	23.239518
Fabaceae	<i>Erythrina milbraedii</i>	1	LC	-	-	-	0.0132665
Fabaceae	<i>Erythrophleum ivorensis</i>	3	LC	-	-	-	13.702712
Erythroxylaceae	<i>Erythroxylum mannii</i>	1	LC	-	-	-	0.19625
Rubiaceae	<i>Euclinia longiflora</i>	3	LC	-	-	-	0.0006602

Myrtaceae	<i>Eugenia callophyloides</i>	3	DD	-	-	-	0.025434
Myrtaceae	<i>Eugenia</i> sp.	1	-	-	-	-	0.0080078
Myrtaceae	<i>Eugenia</i> sp.2	5	-	-	-	-	0.1169619
Euphorbiaceae	<i>Euphorbia</i> sp.	1	-	-	-	-	0.0298496
Euphorbiaceae	<i>Euphorbia</i> sp.2	1	-	-	-	-	0.0102019
Moraceae	<i>Ficus mucuso</i>	10	LC	-	-	-	10.962658
Moraceae	<i>Ficus</i> sp.	5	-	-	-	-	0.5565367
Moraceae	<i>Ficus</i> sp.2	2	-	-	-	-	0.0494558
Moraceae	<i>Ficus</i> sp.3	26	-	-	-	-	44.640345
Apocynaceae	<i>Funtumia elastica</i>	45	LC	-	-	-	66.601379
Rubiaceae	<i>Gaertnera bieleri</i>	1	LC	-	-	-	0.0001766
Rubiaceae	<i>Gaertnera</i> sp.	2	-	-	-	-	0.0004522
Sapotaceae	<i>Gambeya africanum</i>	28	LC	-	-	-	77.841985
Sapotaceae	<i>Gambeya delevoiyi</i>	5	DD	-	-	-	1.4776714
Sapotaceae	<i>Gambeya korupensis</i>	26	VU	***	-	-	0.9759316
Sapotaceae	<i>Gambeya lacourtianum</i>	26	LC	-	-	-	26.562429
Clusiaceae	<i>Garcinia cf polyantha</i>	170	LC	-	-	-	392.40593
Clusiaceae	<i>Garcinia conrauana</i>	48	NT	-	-	-	52.449207
Clusiaceae	<i>Garcinia gnetoides</i>	22	LC	-	-	-	4.210627
Clusiaceae	<i>Garcinia kola</i>	8	VU	-	-	-	3.6084378
Clusiaceae	<i>Garcinia lucida</i>	1	LC	-	-	-	0
Clusiaceae	<i>Garcinia mannii</i>	136	LC	-	-	-	413.35338
Clusiaceae	<i>Garcinia polyantha</i>	97	LC	-	-	-	89.086831
Clusiaceae	<i>Garcinia</i> sp.	13	-	-	-	-	1.959674
Clusiaceae	<i>Garcinia staudtii</i>	5	NT	-	**	-	0.1092163
Fabaceae	<i>Gilbertiodendron demonstrans</i>	1	LC	-	**	-	0.0081671
Fabaceae	<i>Gilbertiodendron</i> sp.	8	-	-	-	-	0.915624

Fabaceae	<i>Gilbertiodendron</i> sp.2	18	-	-	-	-	30.98873
Monimiaceae	<i>Glossocalyx brevipes</i>	70	NT	***	-	-	3.5681578
Malvaceae	<i>Glyphaea brevis</i>	1	LC	-	-	-	0.0007065
Meliaceae	<i>Guarea cedrata</i>	15	VU	-	-	-	10.677055
Meliaceae	<i>Guarea glomerulata</i>	4	LC	-	-	-	0.006079
Meliaceae	<i>Guarea</i> sp.	1	-	-	-	-	0.0093266
Meliaceae	<i>Guarea thompsonii</i>	8	LC	-	-	-	4.7427847
Burmanniaceae	<i>Gymnosiphon bekensis</i>	1	LC	-	-	-	1.5452011
Rubiaceae	<i>Hallea ledermannii</i>	4	LC	-	-	-	16.531253
Hypericaceae	<i>Harungana madagascariensis</i>	22	LC	-	-	-	0.0015198
Meliaceae	<i>Heckeldora</i> sp.	1	-	-	-	-	0
Meliaceae	<i>Heckeldora staudtii</i>	3	LC	-	-	-	0.3523865
Rubiaceae	<i>Heinsia crinita</i>	5	LC	-	-	-	0.0245933
Olacaceae	<i>Heisteria parvifolia</i>	11	LC	-	-	-	0.0001539
Annonaceae	<i>Hexalobus</i> sp.	1	-	-	-	-	91.10516
Salicaceae	<i>Homalium africanum</i>	42	LC	-	-	-	38.972201
Salicaceae	<i>Homalium letestui</i>	31	LC	-	-	-	348.19909
Salicaceae	<i>Homalium longistylum</i>	93	LC	-	-	-	1.0782634
Salicaceae	<i>Homalium</i> sp.	4	-	-	-	-	1.7264419
Salicaceae	<i>Homalium</i> sp.1	16	-	-	-	-	0.4126156
Hoplostigmataceae	<i>Hoplostigma klaineianum</i>	5	VU	-	-	-	2.9910886
Linaceae	<i>Hugonia platysepala</i>	2	LC	-	-	-	0
Apocynaceae	<i>Hunteria umbellata</i>	14	LC	-	-	-	0.1653846
Fabaceae	<i>Hylodendron gabunense</i>	2	LC	-	-	-	16.711862
Fabaceae	<i>Hymenostegia korupensis</i>	19	VU	***	-	-	197.20966
Lauraceae	<i>Hypodaphnis zenkeri</i>	47	LC	-	-	-	0
Balsaminaceae	<i>Impatiens niamniamensis</i>	1	LC	-	-	-	0

Icacinaceae	<i>Iodes africana</i>	2	LC	-	-	-	0.0283385
Irvingiaceae	<i>Irvingia gabonensis</i>	65	LC	-	-	-	283.02715
Irvingiaceae	<i>Irvingia grandifolia</i>	12	LC	-	-	-	11.407105
Annonaceae	<i>Isolona campanulata</i>	1	LC	-	-	-	0.0124627
Annonaceae	<i>Isolona thonneri</i>	2	NT	-	-	-	0.0063585
Rubiaceae	<i>Ixora hippoperifera</i>	3	LC	-	-	-	0.0014515
Rubiaceae	<i>Ixora nematopoda</i>	24	LC	-	-	-	0.2331646
Rubiaceae	<i>Ixora</i> sp.1	25	-	-	-	-	0.3135478
Rubiaceae	<i>Ixora</i> sp.2	1	-	-	-	-	0.0093266
Euphorbiaceae	<i>Jatropha curcas</i>	8	LC	-	-	-	0.760081
Connaraceae	<i>Jollydora duparquetiana</i>	2	LC	-	-	-	0.0006154
Phyllanthaceae	<i>Keayodendron bridelioides</i>	4	LC	-	-	-	1.6824874
Bignoniaceae	<i>Kigelia africana</i>	147	LC	-	-	-	333.4461
Euphorbiaceae	<i>Klaineanthus gaboniae</i>	74	LC	-	-	-	272.2799
Irvingiaceae	<i>Klainedoxa gabonensis</i>	5	LC	-	-	-	6.4930302
Irvingiaceae	<i>Klainedoxa trillesii</i>	7	LC	-	-	-	6.5156264
Vochysiaceae	<i>Korupiodendron songweanum</i>	193	EN	-	**	-	1993.9465
Sapindaceae	<i>Laccodiscus ferrugineus</i>	7	LC	-	**	-	0.0116839
Sapindaceae	<i>Laccodiscus pseudostipularis</i>	11	LC	-	-	-	0.2041785
Arecaceae	<i>Laccosperma opacum</i>	2	LC	-	-	-	0
Arecaceae	<i>Laccosperma robustum</i>	1	LC	-	-	-	0
Apocynaceae	<i>Landolphia congolensis</i>	1	LC	-	-	-	0.0083281
Apocynaceae	<i>Landolphia dulcis</i>	1	LC	-	-	-	0.009672
Apocynaceae	<i>Landolphia landolphioides</i>	3	LC	-	-	-	0.0945211
Anacardiaceae	<i>Lannea</i> sp.	2	-	-	-	-	0.0009075
Icacinaceae	<i>Lasianthera africana</i>	13	LC	-	-	-	0.0572265
Rubiaceae	<i>Lasianthus batangensis</i>	1	LC	-	-	-	0

Icacinaceae	<i>Lavigeria macroptera</i>	2	LC	-	-	-	0
Sapotaceae	<i>Lecomtedoxa klaineana</i>	4	VU	-	-	-	9.6217458
Leeaceae	<i>Leea guineensis</i>	23	LC	-	-	-	0.2357386
Fabaceae	<i>Leonardoxa</i> sp.	248	-	-	-	-	801.38012
Lepidobotryaceae	<i>Lepidobotrys staudtii</i>	2	LC	-	-	-	0.3027282
Leptaulaceae	<i>Leptaulus daphnoides</i>	16	LC	-	-	-	7.1263627
Leptaulaceae	<i>Leptaulus grandifolius</i>	1	VU	-	**	-	0.0084906
Fabaceae	<i>Leptoderris ledermannii</i>	21	EN	***	-	*	6.6155161
Malvaceae	<i>Leptonychia cf pallida</i>	1	LC	-	-	-	0
Malvaceae	<i>Leptonychia echinocarpa</i>	10	LC	-	-	-	0.0188596
Malvaceae	<i>Leptonychia macrantha</i>	2	LC	-	-	-	0.0226865
Malvaceae	<i>Leptonychia</i> sp.	2	-	-	-	-	0.0171946
Ochnaceae	<i>Lophira alata</i>	7	VU	-	-	-	4.8358543
Euphorbiaceae	<i>Macaranga monandra</i>	53	LC	-	-	-	70.533381
Euphorbiaceae	<i>Macaranga</i> sp.	85	-	-	-	-	210.13062
Euphorbiaceae	<i>Macaranga spinosa</i>	5	LC	-	-	-	0.5928014
Myrsinaceae	<i>Maesa lanceolata</i>	7	LC	-	-	-	0.6615383
Phyllanthaceae	<i>Maesobotrya barteri</i>	12	LC	-	-	-	0.5486334
Phyllanthaceae	<i>Maesobotrya dusenii</i>	20	LC	-	-	-	4.5329111
Phyllanthaceae	<i>Maesobotrya</i> sp.	10	-	-	-	-	1.4264266
Phyllanthaceae	<i>Maesobotrya staudtii</i>	11	LC	-	-	-	1.018397
Rhamnaceae	<i>Maesopsis eminii</i>	5	LC	-	-	-	1.1799147
Chrysobalanaceae	<i>Magnistipula aff. cuneatifolia</i>	1	EN	-	**	-	0.0283385
Chrysobalanaceae	<i>Magnistipula glaberrima</i>	12	NT	-	-	-	3.6523295
Clusiaceae	<i>Mammea africana</i>	202	LC	-	-	-	932.28911
Sapotaceae	<i>Manilkara lososiana</i>	1	CR	***	-	-	0.0140955
Sapotaceae	<i>Manilkara</i> sp.	2	-	-	-	-	0.1109802

Euphorbiaceae	<i>Manniophyton fulvum</i>	1	LC	-	-	-	0
Euphorbiaceae	<i>Maprounea membranacea</i>	1	LC	-	-	-	0
Chrysobalanaceae	<i>Maranthes kerstingii</i>	14	LC	-	-	-	5.4256382
Euphorbiaceae	<i>Mareya micrantha</i>	5	LC	-	-	-	0.2826
Euphorbiaceae	<i>Mareyopsis longifolia</i>	145	LC	-	-	-	161.67169
Phyllanthaceae	<i>Margaritaria discoidea</i>	37	LC	-	-	-	129.58082
Rubiaceae	<i>Massularia acuminata</i>	41	LC	-	-	-	1.3184986
Medusandraceae	<i>Medusandra mpomiana</i>	1	NT	***	-	-	0
Melastomataceae	<i>Memecylon afzelii</i>	5	LC	-	-	-	0.6615383
Melastomataceae	<i>Memecylon calophyllum</i>	1	LC	-	**	-	0.0001539
Melastomataceae	<i>Memecylon englerianum</i>	3	LC	-	-	-	0.0022891
Melastomataceae	<i>Memecylon lateriflorum</i>	36	LC	-	-	-	6.5700175
Melastomataceae	<i>Memecylon laurentii</i>	5	LC	-	-	-	0.0295443
Melastomataceae	<i>Memecylon</i> sp.	1	-	-	-	-	0
Melastomataceae	<i>Memecylon</i> sp.2	5	-	-	-	-	0.2523689
Melastomataceae	<i>Memecylon</i> sp.3	1	-	-	-	-	0.0089875
Melastomataceae	<i>Memecylon zenkeri</i>	9	LC	-	**	-	0.0167331
Fabaceae	<i>Microberlinia bisulcata</i>	4	VU	***	-	-	2.6317604
Malvaceae	<i>Microcos coriacea</i>	31	LC	-	-	-	80.45887
Pandaceae	<i>Microdesmis puberula</i>	42	LC	-	-	-	1.0345546
Moraceae	<i>Milicia excelsa</i>	3	LC	-	-	-	0.2082016
Fabaceae	<i>Millettia</i> sp.	1	-	-	-	-	0.0009075
Fabaceae	<i>Millettia hypolampra</i>	1	VU	-	**	-	0.020096
Annonaceae	<i>Monodora brevipes</i>	1	LC	-	-	-	0.0589347
Annonaceae	<i>Monodora myristica</i>	6	LC	-	-	-	1.0399688
Rubiaceae	<i>Morelia senegalensis</i>	2	LC	-	-	-	0.07065
Rubiaceae	<i>Morinda lucida</i>	2	LC	-	-	-	0.2188454

Gentianaceae	<i>Mostuea brunonis</i>	2	LC	-	-	-	0.0005723
Cecropiaceae	<i>Musanga cecropioides</i>	123	LC	-	-	-	1261.4066
Rubiaceae	<i>Mussaenda</i> sp.	1	-	-	-	-	0
Cecropiaceae	<i>Myrianthus arboreus</i>	3	LC	-	-	-	0.1057309
Cecropiaceae	<i>Myrianthus preussii</i>	55	NT	***	-	-	4.8397519
Lecythidaceae	<i>Napoleonaea heudelotii</i>	112	-	-	-	-	145.77068
Lecythidaceae	<i>Napoleonaea</i> sp.	8	-	-	-	-	1.1953635
Lecythidaceae	<i>Napoleonaea talbotii</i>	21	NT	-	**	-	0.6400961
Rubiaceae	<i>Nauclea diderrichii</i>	1	VU	-	-	-	0.3957185
Rubiaceae	<i>Nauclea</i> sp.	3	-	-	-	-	0.4911596
Euphorbiaceae	<i>Neoboutonia glabrescens</i>	13	LC	-	-	-	20.003609
Araceae	<i>Nephtytis poissonii</i>	1	LC	-	-	-	0
Convolvulaceae	<i>Neuropeltis acuminata</i>	2	LC	-	-	-	0.0490625
Convolvulaceae	<i>Neuropeltis pseudovelutina</i>	1	EN	***	-	-	0.0390373
Convolvulaceae	<i>Neuropeltis velutina</i>	1	LC	-	-	-	0.0116839
Fabaceae	<i>Newtonia duparquetiana</i>	1	LC	-	-	-	0
Fabaceae	<i>Newtonia griffoniana</i>	11	LC	-	-	-	3.9740625
Rubiaceae	<i>Nichallea soyauxii</i>	1	LC	-	-	-	0
Octoknemataceae	<i>Octoknema affinis</i>	138	LC	-	-	-	451.29378
Octoknemataceae	<i>Octoknema bakosiensis</i>	61	NE	***	-	-	98.400077
Olacaceae	<i>Olax triplinervia</i>	1	LC	-	-	-	0.0004522
Sapotaceae	<i>Omphalocarpum elatum</i>	16	LC	-	-	-	5.0207352
Salicaceae	<i>Oncoba glauca</i>	48	LC	-	-	-	147.76714
Salicaceae	<i>Oncoba lophocarpa</i>	17	VU	***	-	-	5.2090842
Salicaceae	<i>Oncoba mannii</i>	12	LC	-	-	-	1.6504625
Salicaceae	<i>Oncoba ovalis</i>	17	NT	-	**	-	0.151976
Salicaceae	<i>Oncoba</i> sp.2	1	-	-	-	-	0.0162778

Arecaceae	<i>Oncocalamus tuleyi</i>	1	VU	-	**	-	0
Lecythidaceae	<i>Oubanguia alata</i>	892	LC	-	-	-	22432.326
Lecythidaceae	<i>Oubanguia laurifolia</i>	28	LC	-	-	-	9.133413
Rubiaceae	<i>Oxyanthus laxiflorus</i>	8	LC	-	-	-	0.0132665
Annonaceae	<i>Pachypodanthium staudtii</i>	6	-	-	-	-	1.5342071
Commelinaceae	<i>Palisota hirsuta</i>	1	LC	-	-	-	0
Pandaceae	<i>Panda oleosa</i>	7	LC	-	-	-	11.246087
Aristolochiaceae	<i>Pararistolochia preussii</i>	1	EN	***	-	-	0
Chrysobalanaceae	<i>Parinari excelsa</i>	4	LC	-	-	-	2.5067947
Chrysobalanaceae	<i>Parinari</i> sp.	4	-	-	-	-	1.5806454
Fabaceae	<i>Parkia bicolor</i>	6	LC	-	-	-	6.0406347
Fabaceae	<i>Parkia</i> sp.	3	-	-	-	-	2.1527338
Sapindaceae	<i>Paullinia pinnata</i>	1	LC	-	-	-	0
Rubiaceae	<i>Pauridiantha floribunda</i>	36	LC	-	-	-	25.981152
Rubiaceae	<i>Pauridiantha</i> sp.	5	-	-	-	-	0.1098027
Rubiaceae	<i>Pauridiantha viridiflora</i>	51	LC	-	-	-	69.377359
Rubiaceae	<i>Pavetta rigida</i>	1	LC	-	**	-	63.967082
Rubiaceae	<i>Pavetta</i> sp.	14	-	-	-	-	86525.84
Rubiaceae	<i>Pavetta</i> sp.1	1	-	-	-	-	0.0373063
Menispermaceae	<i>Penianthus camerounensis</i>	1	LC	***	-	-	0.0004153
Fabaceae	<i>Pentaclethra macrophylla</i>	2	LC	-	-	-	1.6870875
Clusiaceae	<i>Pentadesma butryacea</i>	1	DD	-	-	-	0.035281
Clusiaceae	<i>Pentadesma grandifolia</i>	31	DD	-	-	-	20.345851
Piperaceae	<i>Peperomia fernandopoiana</i>	1	LC	-	-	-	0
Lauraceae	<i>Persea americana</i>	2	LC	-	-	-	0.2514795
Rubiaceae	<i>Petitiocodon parviflorum</i>	8	LC	***	-	-	0.1098027
Rubiaceae	<i>Petitiocodon</i> sp.	5	-	-	-	-	0.0186171

Salicaceae	<i>Phyllobotryon spathulatum</i>	45	LC	-	-	-	0.8328065
Simaroubaceae	<i>Pierreodendron africanum</i>	15	LC	-	-	-	18.724963
Fabaceae	<i>Piptadeniastrum africanum</i>	41	LC	-	-	-	390.7929
Annonaceae	<i>Piptostigma glabrescens</i>	1	NT	***	-	-	14.212445
Annonaceae	<i>Piptostigma oyemense</i>	38	DD	-	-	-	0.0978181
Annonaceae	<i>Piptostigma pilosum</i>	5	LC	-	-	-	6.3136734
Annonaceae	<i>Piptostigma</i> sp.	10	-	-	-	-	29.372886
Sapindaceae	<i>Placodiscus</i> cf. <i>caudatus</i>	69	EN	-	-	-	3.6286625
Fabaceae	<i>Plagiosiphon multijugus</i>	4	LC	-	-	-	0.1115713
Apocynaceae	<i>Pleiocarpa bicarpellata</i>	6	LC	-	-	-	0.0014515
Apocynaceae	<i>Pleiocarpa rostrata</i>	2	LC	-	-	-	9.5833083
Apocynaceae	<i>Pleiocarpa</i> sp.	36	-	-	-	-	33.54491
Anisophylleaceae	<i>Poga oleosa</i>	7	DD	-	-	-	26.965787
Annonaceae	<i>Polyanthia suaveolens</i>	34	LC	-	-	-	36.255709
Annonaceae	<i>Polyceratocarpus parviflorus</i>	72	LC	-	-	-	43.300858
Araliaceae	<i>Polycias fulva</i>	17	NT	-	-	-	576.42676
Sapotaceae	<i>Pouteria</i> sp.	121	-	-	-	-	0.0678523
Sapotaceae	<i>Pouteria</i> sp.2	1	-	-	-	-	6520.4591
Phyllanthaceae	<i>Protomegabaria stapfiana</i>	360	LC	-	-	-	651.69834
Anacardiaceae	<i>Pseudospondias microcarpa</i>	80	LC	-	-	-	0.0001539
Rubiaceae	<i>Psilanthus mannii</i>	1	LC	-	-	-	0.0107459
Hypericaceae	<i>Psorospermum tenuifolium</i>	1	LC	-	-	-	0
Rubiaceae	<i>Psychotria bimbiensis</i>	2	CR	***	-	-	0.0002269
Rubiaceae	<i>Psychotria dorotheae</i>	1	LC	-	-	-	0.8970674
Rubiaceae	<i>Psychotria martinetugei</i>	1	LC	-	-	-	0
Rubiaceae	<i>Psychotria peduncularis</i>	36	LC	-	-	-	0.001256
Rubiaceae	<i>Psychotria</i> sp.	2	-	-	-	-	0

Rubiaceae	<i>Psychotria</i> sp.2	2	-	-	-	-	0
Rubiaceae	<i>Psychotria</i> sp.3	2	-	-	-	-	0
Rubiaceae	<i>Psychotria</i> sp.5	7	-	-	-	-	0.0006154
Rubiaceae	<i>Psychotria</i> sp.6	9	-	-	-	-	0.0100237
Rubiaceae	<i>Psychotria</i> sp.7	1	-	-	-	-	0.020096
Rubiaceae	<i>Psychotria</i> sp.8	21	-	-	-	-	0.0002269
Rubiaceae	<i>Psychotria</i> sp.9	11	-	-	-	-	0.1080482
Rubiaceae	<i>Psychotria</i> sp.10	7	-	-	-	-	9.1227056
Rubiaceae	<i>Psydrax</i> sp.	6	-	-	-	-	0.2391926
Fabaceae	<i>Pterocarpus soyauxii</i>	3	LC	-	-	-	1.565089
Rubiaceae	<i>Pausinystalia macroceras</i>	53	LC	-	-	-	0.9395163
Myristicaceae	<i>Pycnanthus angolensis</i>	191	LC	-	-	-	6785.3773
Euphorbiaceae	<i>Pycnocomma macrophylla</i>	6	LC	-	-	-	0.0075391
Simaroubaceae	<i>Quassia silvestris</i>	16	LC	-	-	-	20.909198
Apocynaceae	<i>Rauvolfia caffra</i>	1	LC	-	-	-	0.0298496
Apocynaceae	<i>Rauvolfia mannii</i>	6	LC	-	-	-	0.0086546
Apocynaceae	<i>Rauvolfia vomitoria</i>	18	LC	-	-	-	3.8618263
Ochnaceae	<i>Rhabdophyllum affine</i>	11	LC	-	-	-	1.5873359
Ochnaceae	<i>Rhabdophyllum</i> sp.	1	-	-	-	-	0.0103816
Araceae	<i>Rhaphidophora africana</i>	1	LC	-	-	-	0
Icacinaceae	<i>Rhaphiostylis beninensis</i>	4	LC	-	-	-	0.1931226
Icacinaceae	<i>Rhaphiostylis viridiflora</i>	1	LC	-	-	-	0.025434
Lecythidaceae	<i>Rhaptopetalum coriaceum</i>	6	LC	-	-	-	0.5024
Lecythidaceae	<i>Rhaptopetalum geophylax</i>	8	EN	***	-	-	0.6486306
Lecythidaceae	<i>Rhaptopetalum</i> sp.	2	-	-	-	-	0.078387
Lecythidaceae	<i>Rhaptopetalum</i> sp.2	9	-	-	-	-	0.5982713
Lecythidaceae	<i>Rhaptopetalum</i> sp.nov.	31	-	-	-	-	10.077743

Euphorbiaceae	<i>Ricinodendron heudelotii</i>	2	LC	-	-	-	1.3533157
Violaceae	<i>Rinorea cf woermanniana</i>	1	-	-	-	-	0
Violaceae	<i>Rinorea crassiflora</i>	1	NT	-	-	-	0
Violaceae	<i>Rinorea dentata</i>	206	LC	-	-	-	38.421053
Violaceae	<i>Rinorea kamerunensis</i>	12	LC	-	-	-	0.0329896
Violaceae	<i>Rinorea leophylla</i>	37	LC	-	-	-	0.6731187
Violaceae	<i>Rinorea oblongifolia</i>	247	LC	-	-	-	649.57396
Violaceae	<i>Rinorea sp.3</i>	18	-	-	-	-	0.0865258
Violaceae	<i>Rinorea sp.33</i>	9	-	-	-	-	0.0383402
Violaceae	<i>Rinorea sp.4</i>	1	-	-	-	-	0.0004153
Violaceae	<i>Rinorea sp.5</i>	1	-	-	-	-	0.0004153
Violaceae	<i>Rinorea subintegrifolia</i>	19	LC	-	-	-	0.0956138
Violaceae	<i>Rinorea woermanniana</i>	15	NT	-	-	-	0.0739855
Rubiaceae	<i>Rothmannia hispida</i>	7	LC	-	-	-	0.2221738
Rubiaceae	<i>Rothmannia lujae</i>	2	LC	-	-	-	0.0005307
Rubiaceae	<i>Rothmannia sp.</i>	2	-	-	-	-	0.0669322
Humiriaceae	<i>Saccoglottis gabonensis</i>	6	LC	-	-	-	7.5001106
Celastraceae	<i>Salacia lehmbachii</i>	1	LC	-	-	-	0
Celastraceae	<i>Salacia loloensis</i>	9	LC	-	-	-	0.0619844
Celastraceae	<i>Salacia nigra</i>	2	VU	-	-	*	0
Celastraceae	<i>Salacia pynaertii</i>	1	LC	-	-	-	0
Celastraceae	<i>Salacia pyriformis</i>	6	LC	-	-	-	0.3513354
Celastraceae	<i>Salacia sp.</i>	1	-	-	-	-	0.1224796
Connaraceae	<i>Santalinoides afzelii</i>	3	LC	-	-	-	1412.9729
Burseraceae	<i>Santiria balsamifera</i>	171	LC	-	-	-	30.38016
Euphorbiaceae	<i>Sapium ellipticum</i>	21	LC	-	-	-	8.652584
Euphorbiaceae	<i>Sapium sp.</i>	10	-	-	-	-	0.3502858

Malvaceae	<i>Scaphopetalum blackii</i>	37	LC	-	**		6.9057675
Araliaceae	<i>Schefflera abyssinica</i>	6	LC	-	-	-	0.0088203
Araliaceae	<i>Schefflera barteri</i>	1	LC	-	-	-	4.2799966
Araliaceae	<i>Schefflera hierniana</i>	1	VU	-	-	*	0
Rubiaceae	<i>Schumanniohyton magnificum</i>	15	LC	-	-	-	0.0778916
Rubiaceae	<i>Schumanniohyton</i> sp.	3	-	-	-	-	2.9119387
Arecaceae	<i>Sclerosperma mannii</i>	1	LC	-	-	-	0
Achariaceae	<i>Scottellia klaineana</i>	7	LC	-	-	-	1205.4625
Myristicaceae	<i>Scyphocephalum mannii</i>	55	LC	-	-	-	33.176456
Lecythidaceae	<i>Scytopetalium klaineianum</i>	24	LC	-	-	-	3.8132286
Putranjivaceae	<i>Sibangea similis</i>	21	LC	-	**	-	0.4582014
Anacardiaceae	<i>Sorindeia grandifolia</i>	11	LC	-	-	-	4.0379018
Anacardiaceae	<i>Sorindeia juglandifolia</i>	22	LC	-	-	-	0.000201
Anacardiaceae	<i>Sorindeia</i> sp.	1	-	-	-	-	498.90212
Medusandraceae	<i>Soyauxia gabunensis</i>	160	LC	-	-	-	95.469175
Myristicaceae	<i>Staudtia gabunensis</i>	36	DD	-	-	-	384.33924
Myristicaceae	<i>Staudtia kamerunensis</i>	75	LC	-	-	-	0.015386
Myristicaceae	<i>Staudtia</i> sp.	1	-	-	-	-	17.935994
Fabaceae	<i>Stemonocoleus micranthus</i>	1	LC	-	-	-	0
Malvaceae	<i>Sterculia tragacantha</i>	14	LC				13.913419
Combretaceae	<i>Strephonema pseudocola</i>	28	LC	-	-	-	4322.1604
Olacaceae	<i>Strombosia grandifolia</i>	418	LC	-	-	-	700.71858
Olacaceae	<i>Strombosia pustulata</i>	171	LC	-	-	-	454.95262
Olacaceae	<i>Strombosia scheffleri</i>	112	LC	-	-	-	148.60841
Olacaceae	<i>Strombosia</i> sp.	97	-	-	-	-	1558.2013
Olacaceae	<i>Strombosia</i> sp.1	196	-	-	-	-	1770.6343
Olacaceae	<i>Strombosiosopsis tetrandra</i>	181	LC	-	-	-	0.0001766

Loganiaceae	<i>Strychnos aculeata</i>	1	LC	-	-	-	0
Loganiaceae	<i>Strychnos angolensis</i>	1	LC	-	-	-	0.3175294
Loganiaceae	<i>Strychnos camptoneura</i>	5	LC	-	-	-	1.0112566
Loganiaceae	<i>Strychnos congolana</i>	3	LC	-	-	-	0.0145194
Loganiaceae	<i>Strychnos johnsonii</i>	1	LC	-	-	-	0.00785
Loganiaceae	<i>Strychnos memecyloides</i>	1	LC	-	-	-	0.075926
Loganiaceae	<i>Strychnos phaeotricha</i>	1	LC	-	-	-	0
Loganiaceae	<i>Strychnos tricalysioides</i>	5	NT	-	**	-	328.96355
Clusiaceae	<i>Symphonia globulifera</i>	108	LC	-	-	-	0.0051504
Sapotaceae	<i>Synsepalum</i> sp.	5	-	-	-	-	0.0373063
Sapotaceae	<i>Synsepalum</i> sp.2	5	-	-	-	-	0.5407865
Menispermaceae	<i>Syrrhonema fasciculatum</i>	6	LC	-	-	-	334.80651
Myrtaceae	<i>Syzygium rowlandii</i>	55	LC	-	-	-	80.141291
Myrtaceae	<i>Syzygium staudtii</i>	36	LC	-	-	-	0
Apocynaceae	<i>Tabernaemontana brachyantha</i>	295	LC	-	-	-	1370.6648
Apocynaceae	<i>Tabernaemontana crassa</i>	40	LC	-	-	-	25.245789
Apocynaceae	<i>Tabernaemontana ventricosa</i>	155	LC	-	-	-	580.30475
Fabaceae	<i>Talbotiella korupensis</i>	98	EN	***	-	-	364.89438
Dichapetalaceae	<i>Tapura africana</i>	55	LC	-	-	-	72.828708
Rubiaceae	<i>Tarenna glandiflora</i>	9	LC	-	-	-	0.5778887
Rubiaceae	<i>Tarenna</i> sp.1	2	-	-	-	-	0.0011335
Combretaceae	<i>Terminalia ivorensis</i>	2	LC	-	-	-	8.6577972
Combretaceae	<i>Terminalia superba</i>	4	LC	-	-	-	7.621923
Fabaceae	<i>Tetraberlinia bifoliolata</i>	20	LC	-	-	-	5.6255683
Fabaceae	<i>Tetraberlinia korupensis</i>	22	EN	***	-	-	15.593906
Dilleniaceae	<i>Tetracera potatoria</i>	1	LC	-	-	-	0.0093266
Fabaceae	<i>Tetrapleura tetraptera</i>	1	LC	-	-	-	0.0243162

Euphorbiaceae	<i>Tetrorchidium didymostemon</i>	10	LC	-	-	-	4.8047307
Phyllanthaceae	<i>Thecacoris leptobotrya</i>	2	LC	-	-	-	0.0506451
Balanophoraceae	<i>Thonningia sanguinea</i>	1	LC	-	-	-	0
Acanthaceae	<i>Thunbergia affinis</i>	5	LC	-	-	-	0.0066442
Moraceae	<i>Treculia africana</i>	8	LC	-	-	-	1.5540245
Moraceae	<i>Treculia obovoidea</i>	14	LC	-	-	-	6.6840583
Ulmaceae	<i>Trema orientalis</i>	49	LC	-	-	-	74.07401
Rubiaceae	<i>Tricalysia achoundongiana</i>	1	EN	***	-	-	0.0004906
Rubiaceae	<i>Tricalysia</i> sp.2	1	-	-	-	-	0.0019625
Rubiaceae	<i>Tricalysia</i> sp.1	2	-	-	-	-	215.53345
Meliaceae	<i>Trichilia aff.gilgiana</i>	85	LC	-	-	-	1412.7731
Meliaceae	<i>Trichilia priureana</i>	319	LC	-	-	-	4.6812407
Anacardiaceae	<i>Trichoscypha acuminata</i>	16	LC	-	-	-	0.0183761
Anacardiaceae	<i>Trichoscypha klainei</i>	7	-	-	-	-	289.50299
Anacardiaceae	<i>Trichoscypha oliveri</i>	67	LC	-	-	-	0.4582014
Anacardiaceae	<i>Trichoscypha patens</i>	17	LC	-	-	-	6.4659665
Anacardiaceae	<i>Trichoscypha preussii</i>	21	-	-	-	-	217.69809
Anacardiaceae	<i>Trichoscypha</i> sp.	1	-	-	-	-	0
Anacardiaceae	<i>Trichoscypha</i> sp.10	61	-	-	-	-	0.1458224
Anacardiaceae	<i>Trichoscypha</i> sp.12	3	-	-	-	-	0
Anacardiaceae	<i>Trichoscypha</i> sp.22	3	-	-	-	-	0.0027326
Anacardiaceae	<i>Trichoscypha</i> sp.31	2	-	-	-	-	0.0069363
Anacardiaceae	<i>Trichoscypha</i> sp.4	39	-	-	-	-	12.997057
Anacardiaceae	<i>Trichoscypha</i> sp.6	6	-	-	-	-	0.4206218
Anacardiaceae	<i>Trichoscypha</i> sp.7	11	-	-	-	-	0.5460115
Anacardiaceae	<i>Trichoscypha</i> sp.72	13	-	-	-	-	0.0839393
Anacardiaceae	<i>Trichoscypha</i> sp.8	23	-	-	-	-	2.3196444

Anacardiaceae	<i>Trichoscypha</i> sp.9	7	-	-	-	-	0.1163566
Anacardiaceae	<i>Trichoscypha</i> sp.1	1	-	-	-	-	0.001256
Meliaceae	<i>Turraeanthus africanus</i>	14	LC	-	-	-	21.93431
Meliaceae	<i>Turraeanthus mannii</i>	1	VU	***	-	-	0.000113
Phyllanthaceae	<i>Uapaca acuminata</i>	3	LC	-	-	-	1.020186
Phyllanthaceae	<i>Uapaca guineensis</i>	1	LC	-	-	-	0.0132665
Phyllanthaceae	<i>Uapaca staudtii</i>	163	LC	-	-	-	610.30743
Annonaceae	<i>Uvariastrum pynaertii</i>	15	LC	-	-	-	3.3086251
Annonaceae	<i>Uvari dendron connivens</i>	77	NT	-	**	-	11.257975
Annonaceae	<i>Uvari dendron</i> sp.1	3	-	-	-	-	0.090213
Annonaceae	<i>Uvariopsis bakeriana</i>	10	LC	-	-	-	0.0286376
Annonaceae	<i>Uvariopsis korupensis</i>	26	EN	***	-	-	1.3781656
Annonaceae	<i>Uvariopsis submontana</i>	12	EN	***	-	-	2.3848685
Rubiaceae	<i>Vangueriella chlorantha</i>	3	NT	-	**	-	0.0134714
Rutaceae	<i>Vepris lecomteana</i>	6	NT	***	-	-	0.0093266
Rutaceae	<i>Vepris soyauxii</i>	27	VU	-	-	-	261.76933
Rutaceae	<i>Vepris</i> sp.	2	-	-	-	-	0.0251522
Asteraceae	<i>Vernonia conferta</i>	29	LC	-	-	-	16.037864
Asteraceae	<i>Vernonia frondosa</i>	1	LC	-	-	-	0.0084906
Lamiaceae	<i>Vitex grandifolia</i>	119	LC	-	-	-	1098.5551
Lamiaceae	<i>Vitex</i> sp.3	35	-	-	-	-	185.63906
Lamiaceae	<i>Vitex</i> sp.4	10	-	-	-	-	0.0514458
Lamiaceae	<i>Vitex</i> sp.5	4	-	-	-	-	1.9300198
Lamiaceae	<i>Vitex</i> sp.6	4	-	-	-	-	0.0080078
Lamiaceae	<i>Vitex</i> sp.1	2	-	-	-	-	0.0016611
Apocynaceae	<i>Voacanga africana</i>	23	LC	-	-	-	8.7152458
Apocynaceae	<i>Voacanga psilocalyx</i>	1	LC	-	-	-	0.0003799

Apocynaceae	<i>Voacanga</i> sp.1	1	-	-	-	-	0.0019625
Melastomataceae	<i>Warneckea jasminoides</i>	15	LC	-	-	-	2.8998559
Melastomataceae	<i>Warneckea membranifolia</i>	11	LC	-	-	-	0.1675535
Melastomataceae	<i>Warneckea pulcherrima</i>	21	LC	-	-	-	6.5020639
Melastomataceae	<i>Warneckea</i> sp.22	8	-	-	-	-	1.2031255
Melastomataceae	<i>Warneckea</i> sp.3	1	-	-	-	-	0.001256
Melastomataceae	<i>Warneckea</i> sp.1	1	-	-	-	-	0.0839393
Annonaceae	<i>Xylopi</i> <i>acutiflora</i>	19	LC	-	-	-	3.7718182
Annonaceae	<i>Xylopi</i> <i>aethiopica</i>	8	LC	-	-	-	5.1646916
Annonaceae	<i>Xylopi</i> aff. <i>africana</i>	37	-	-	-	-	72.813586
Annonaceae	<i>Xylopi</i> <i>africana</i>	98	VU		**		528.37654
Annonaceae	<i>Xylopi</i> sp.3	1	-	-	-	-	0.0390373
Annonaceae	<i>Xylopi</i> sp.4	2	-	-	-	-	0.4948923
Annonaceae	<i>Xylopi</i> sp.1	2	-	-	-	-	0.1533607
Annonaceae	<i>Xylopi</i> <i>staudtii</i>	13	LC	-	-	-	9.8539865
Annonaceae	<i>Xylopi</i> <i>villosa</i>	3	LC	-	-	-	1.1398396
Rutaceae	<i>Zanthoxylon gillettii</i>	75	LC	-	-	-	301.6887
Rutaceae	<i>Zanthoxylon rubescens</i>	8	LC	-	-	-	3.7787043
Rutaceae	<i>Zanthoxylon</i> sp.4	2	-	-	-	-	0.0860054
Rutaceae	<i>Zanthoxylon</i> sp.2	19	-	-	-	-	7.0744231
Rutaceae	<i>Zanthoxylon</i> sp.1	2	-	-	-	-	0.3095914
Fabaceae	<i>Zenkerella citrina</i>	40	LC	-	**	-	37.786638
Grand Total		16920					168970.79

*** Endemic to Cameroon, **Endemic to the Subregion (Upper and/or Lower Guinean Forest)

*= Endemic to Study area (Cameroon Mountains)

Basal Area = 0 are species from observational data

Table 9: Distribution of general and plot samples

Vegetation type	# Hectares	General stem Density	Plot tree Density	General # Species	Plot # Species
Degraded Submontane	1	388	322	44	42
Montane	2	1350	1199	60	53
Submontane	2	1551	1409	118	110
Piedmont	8	3840	3542	245	218
Lowland	12	9791	9232	499	446
All Vegetation	25	16920	15704	637	562

* General = Plot and Observational Data

* Plot= Plot sample data of ≥ 1 cm

Table 10: Tree stems and Habitat Distribution across plots in the Rumpi Hills

Plot	Flat Dry Forest	Plateau	River	Slope	Swamps	Grand Total
1	159			321	130	610
2	229			318	113	660
3	662			57	11	730
4	715			66	8	789
5	471			70	195	736
6	499			100	170	769
7	693			15	36	744
8	638			86		724
9	247	76		365		688
10	435			417		852
11	236			468		704
12	112			523		635
13	12			375		387
14	434				223	657
15	440				209	649
16	174			439		613
17	579			83		662
18	489			134		623
19	610			90		700
20	176	182		319		677
21	256	300		192		748
22	197			85	335	617
23	85			121	367	573
24	316			310		626
25	294		149	122		565
Grand Total	9158	558	149	5076	1797	16738

* Data for 23 trees were not included in this analysis

1.10 Species Diversity and Distribution

In 25 ha, 16,761 individual trees were sampled. This comprises 12,596 individuals with DBH \geq 10 cm, and 4165 individuals with DBH 1-9.9 cm. 134 individuals were lianas out of the 16,761 individuals recorded. Observational data of 159 records were sampled. This gave a total record of 16,920 individuals in 637 species (Table 7). Table 2 to 6 shows species composition and distribution at the different vegetation types. 16,761 records of plot data gave 562 species (Table 8). 239 individuals could not be identified to either family and species level, thus these records was eliminated from the overall analysis.

Our analysis shows patterns of endemism based on the IUCN conservation status. 376 species gave the status of least concerned meaning these species are commonly distribution in tropical Africa. 13 species were classified as data deficient that is not enough data to determine its actual status, and 82 species were classified as Critically Endangered, Endangered, Near Threatened, and Vulnerable. These are species that are mostly endemic in Cameroon, subregion (Upper and/or lower Guinean Forest), and study area (Cameroon Mountain range) (Table 8).

Shannon diversity index gave a value of 5.58 with a species richness of 88 %. Thus the RHFR is high in flora diversity and rich in species.

1.11 Conservation significance of the Rumpi Hills Forest Reserve

The different vegetation types and habitat of RHFR is of paramount important to be preserved both for conservation and for the well-being of mankind. This forest is home to numerous species of plants and animals, some of which are found only in this forest (an indication of endemism). However, other biodiversity are still to be discovered. In a nutshell, plant diversity is high in this area which implies high conservation values. Most of the villagers around the reserve depend on this forest for local medicines, building materials, Collection of Non-Timber Forest Product, and on an important note, this reserve is one of the important water-shed in Cameroon. Thus, when poorly managed will adversely affect the population in a long run.

A better management of this reserve can only be achieve if the Government of Cameroon can upgrade the status of this area into a National park and/or Plant/Wildlife sanctuary, including the area of Mt Rata into the park, assigned a Conservator to management the affairs of the park, and draw up a management plan for the area. Thus, the unique biodiversity of this area (ranging from lowland, submontane, degraded submontane, Piedmont, and montane) can only be preserved through high levels of management and protection. To unveil this rich diversity in the RHFR, researchers should be giving the opportunity to carried out intensive research activities in the area which should not only stay at the report level but all results should be published in peer review journals and made available to the public.

2.0 Kimbi Fungom National Park (KFNP)

2.1 Background

The Kimbi Fungom National Park is a consortium of two old reserves that were created on 2nd of May 1936 as the Fungom Native administration Forest Reserve (Forestry Ordinance, 42 of 1936) and 1st of January 1964 as Kimbi Wildlife Sanctuary (Rogers 2011) respectively. These two reserves existed with respective sizes of 847.57 km² (327.25 sq. miles) and 51.4 km².

The Fungom Native Administration Forest Reserve was proposed on the 31st of July 1935 with a size of 325.25 square miles (847.57 km²) with an elevation range of 610-1100 m. It was then created on the 28th of August 1935 and approved on the 2nd of May 1936 by G.H. Findlay Acting Chief Commissioner (Findlay 1936).

The Fungom Native court area which is hosting the Fungom Native administration Forest reserve is situated in the North West Region of Cameroon with an area of 888 square miles (2299.9 km²) (Smith 1929). This area was contradicted by Johnson V.K. in 1936 who reported that the area of the Fungom clan is 3367 km². Fungom is the principal village in this area and is bounded to the north by Kentu, to the south by a strip of mandated area which is attach to the Adamawa Region, to the east by Bum tribal area, to the southern edge by the Nkom and Wum tribal area, to the west by the Fungom area which marches with the Kasimbila district of the Benue province. A fringing forest is found along the numerous rivers and streams. In the north, the savanna becomes denser forming woodland. The Fungom Native area is made up of numerous seasonal streams that dry up in the dry season, with the only permanent river being river Katsina Ala a tributary of the Kimbi River and another river that flows close to Su Bum village and continues through Nkang, Kwana, Kpep (Beezen), Akum, Edjong, Manga into Nigeria.

The Fungom Native Administration Forest reserve is bounded to the north, by the Batum river crossing Furu bana to Kpep (Beezen=Kwaf), Badji (Baji) to Tumbo, and Toso to Mashi. To the south, it is bounded by river Katsina Ala and river Yemene, Munken and Kundzong villages.

To the west it is bounded by river Yaboa. To the east, it is bounded from Toso to Mashi (Archives Buea, Qh/b, 1949)1). The following paths are allowed within the reserve between the under mentioned villages. Presently, the major road that passes through the reserve (park) is the road that links Esu to Furu-Awa via river Katsina Ala. The other paths are either by trekking or on motor-bikes: Gayama and Munka, Gayama and Munkep, Munkep and Munka, Munkep and Iwo, Munka and Iwo, Badji and Batari, Toso and Batari, Munken and Kundzong, and Iwo and Kundzong. Thus, villages close to the park are Badji, Gayama, Munka, Supong, Furu bana, Kpep, Nser, Tumbo, Mashi, Esu, Iwo, Munkep, Mishong, Munken, Mundabe, Zhoa and Mumfu. (Qh/b 1949)1 (Figure 5 & 6).

The Kimbi Wildlife sanctuary stretches from river Johga closed to Su Bum village in the south; in the north it shares a common boundary with the Dumbo cattle ranch and river Kimbi. To the east, it is closed to Mbuk and Kimbi village (Figure 7).

2.2 Location of Study Site

The Kimbi Fungom National Park was created under Prime Ministerial decree number 2015/0024/PM of 3 February, 2015 with a total surface area of 953.8 km² (figure 8). Mr. Chris Formuyam Njoh was appointed the first Conservator of this park by a Prime Ministerial decision in March 2015.

This park occurs approximately at latitude 6.5-6.9° N and longitude 9.8-10.5° E in the North West Region of Cameroon.

2.3 Description of Study Site

The Kimbi Fungom National Park cuts through 3 divisions: Boyo, Menchum, and Donga-Mantung, covering 4 Sub-divisions: Fonfuka, Fungom, Furu-Awa, and Misaje.

In the north, it is border by Tumbo and Tosso in Nigeria, Baji, Nser, Kpep, Furubana, Supong, Akum, Edjong and river Katsina Ala in Furu Awa sub-division, in the east by Labo, Batari, and the Dumbo cattle ranch in the Misaje sub-division, and river Kimbi, Kimbi village, Su Bum in the Fonfuka sub division, in the south by Nkang, Esu, Kundzong and Iwo in the Fungom sub-division, and in the West by Munkep, and Gayama in the Fungom sub-division, and Nigeria. These two compartments are linked by a corridor that stretches between Nkang and Nkannye on the Fungom end to the north west of Kimbi and South West of Dumbo cattle ranch with river Kimbi being a natural boundary between the ranch and the National Park. This park extend (Donga Mentung extension) to the north of the Dumbo cattle ranch in the Donga Mantung division

2.4 Climate

The climate of the Kimbi Fungom National Park is that of the equatorial Cameroon type, hot and humid with two seasons, the dry and the wet. The dry season runs from November to March, and the wet season from April to October (Sainge et al. 2014). We recommend that a modern weather station be installed in this park in the near future.

2.5 Topography

The Fungom area is divided into 5 groups that belong to the Tikar tribe. Geographically, the Fungom area lies east of Weh-Esu and South of Esu to Kung and Fang reaching a height of 1524 m. This area is made-up of grassland savanna with hills or mountains running from Weh to Kuk with a height of 244-305 m. The area north of Esu-Kung-Fang is populated by 6 villages with Munken being the central village. These villages are rich in oil palms. West of Fungom area is mountainous with elevation up to 1000 m from Esu to Gayama.

Rogers (2011) reported a deforestation rate of 0.76 km² in the Kimbi compartment, and 11.91 km² in the Fungom compartment. This is a call for concern, and this figures may increase considering the fact that the major road linking Esu in the south and Furu Awa in the north passes in the middle of the park, Kpep (Beezen=Kwaf) that used to be on the other side of the river Katsina Ala outside the park, due to logistic issues today have transferred into the park, having a government primary school, and a weekly market with a population of over 1000 inhabitants. The footpath linking Esu to Gayama through Iwo and Munkep is at the edge of the

park with villagers farming at the buffer zones of the park. The footpath linking the present Kpep and Akum, have a farming land in the park in a place call “Echem”. On the other hand, considering the fact that the Kimbi compartment is on the ring road linking Wum to Nkambe through Nyos, Su Bum, Kimbi, and Misaje, all these factors may degrade this park if not properly managed.

This park can be access in different directions, either using the major road from Esu to Kpep, passing through the famous 3 km “new-man Hill” to Tunka-Esu, or using the road from Zhoa, Mecaf, Yemge, Abat to Nkang, or the path from Iwo to Gayama through Munkep. All these are access roads to the Fungom compartment. The Kimbi compartment can be access on the ring road from Su bum, from Kimbi and from Dumbo.

2.6 Hydrography

The Kimbi Fungom National park is a watershed with numerous streams and rivers such as river Kimbi and Johga whose tributaries meet at Nkang village forming river Katsina Ala that flows through Kpep, Akum, Edjong, and Manga into Nigeria. The main rivers flowing through the park are river Kimbi, R. Dumbo, and R. Johga in the Kimbi compartment. River Batum crosses Furu bana to Kpep where it flows into R. Katsina Ala. Other rivers in the north are the Yamaha, Yakang, Sungsi, Ntuna, and Kenda, while in the south R. Yemene, and Imea flows downward toward Nkang, in the west R. Yaboa crosses Munkep on the road to Gayama.

2.7 Fauna

In recent time, only rapid biodiversity survey has been done in this park such as that of Ekinde et al. (2005) reporting the present of Chimpanzees and monkeys. This adds to Critchley1968 in which gorilla nest was reported. In a broader research base, Roland Breton did some research on the Furu language (Breton 1993), while Jesse Lovegren studied the Baazem alphabet (Lovegren 2012). Thus, a more detail preliminary biodiversity survey for the area is the work we are reveling in this report. During our survey, we came across the African Civet (*Civettictis civetta*), Bats, Galago sp., Helmeted Guineafowl (*Numida meleagris*), Ross’s Turaco (*Musophaga rossae*), Great Blue Turaco (*Corythaeola cristata*), White Thighed Hornbill (*Bycanistes albotibialis*), Naked faced Barbet (*Gymnobuccos calvis*), Yellow footed honeyguild, Thomas’s rope squirrel (*Funisciurus anerythrus*), and Baboons. This area still remains a data gap for the study of other taxa such as plants, birds, insects, mammals etc. We found special interest in a particular species of insect that eats the stem of a particular species of tree (*Lannea schiemperi*) in a circular manner.

2.8 Vegetation

The vegetation of this park can be classified as Submontane dry forest, Woodland savanna, Grassland savanna, degraded submontane forest, degraded woodland savanna, primary forest, and Gallery forest. A host of different habitats occurs in this park such as the swamp raphia forest, and mix forest with stands of natural palm trees (Figure 4).

2.9 Threats

The major threat encountered during this survey was human induced environmental changes for example livestock grazing and subsistence agriculture. Farmlands were found in the park at the range of 1 – 3 ha with crops such as Cocoa, Bananas, Plantains, Paw-paw, palms and Cocoyam's at 6.79340° N, 10.10248° E, and elevation 495 m. we were also notified about a place called "Echem" on the way to Akum, where crops such as rice, Cocoa, palms, oranges, bush mangoes, sugarcane, Bananas, plantains, cocoyam, maize, groundnut etc are cultivated. Closed to one of our transect (plot 36) at 6.79426° N, 10.12016° E, and elevation at 429 m we also realized numerous abandoned farmlands.

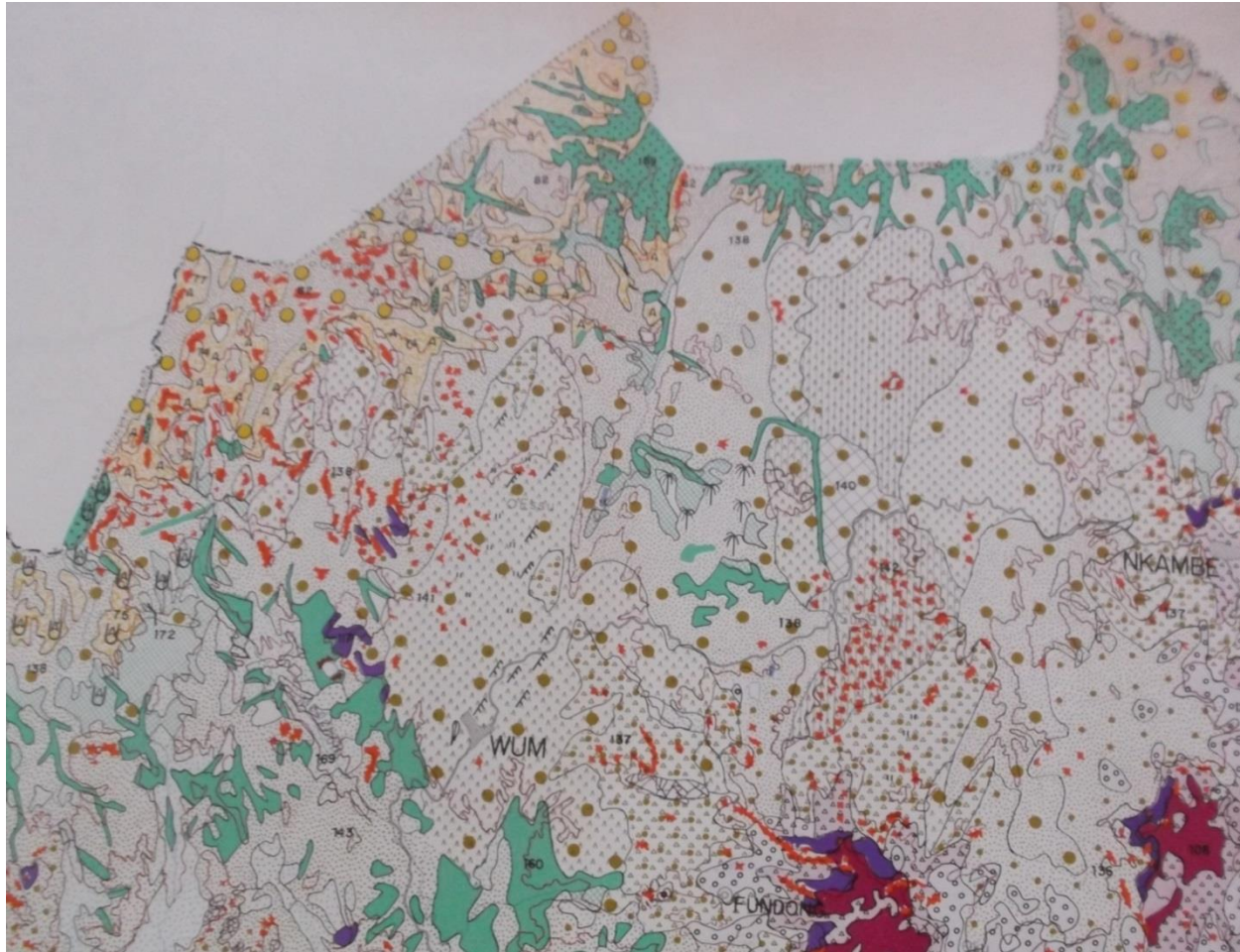


Figure 4: Vegetation types of Kimbi Fungom National Park, Scanned from Letouzey (1985)

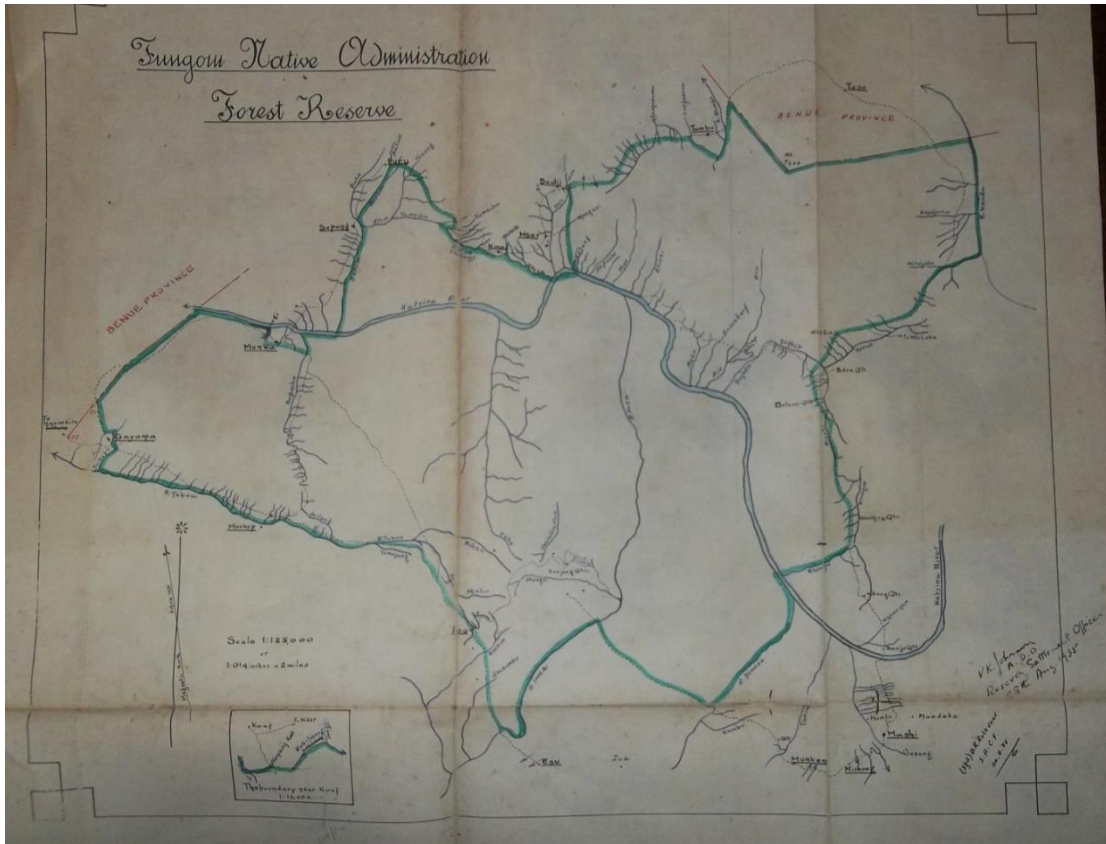


Figure 5: Fungom Native Administration Forest Reserve (1935). Archive Buea



Figure 6: Fungom Native Administration Forest Reserve (1949), archive Buena. (Adapted from the survey department map, Lagos, Nigeria)

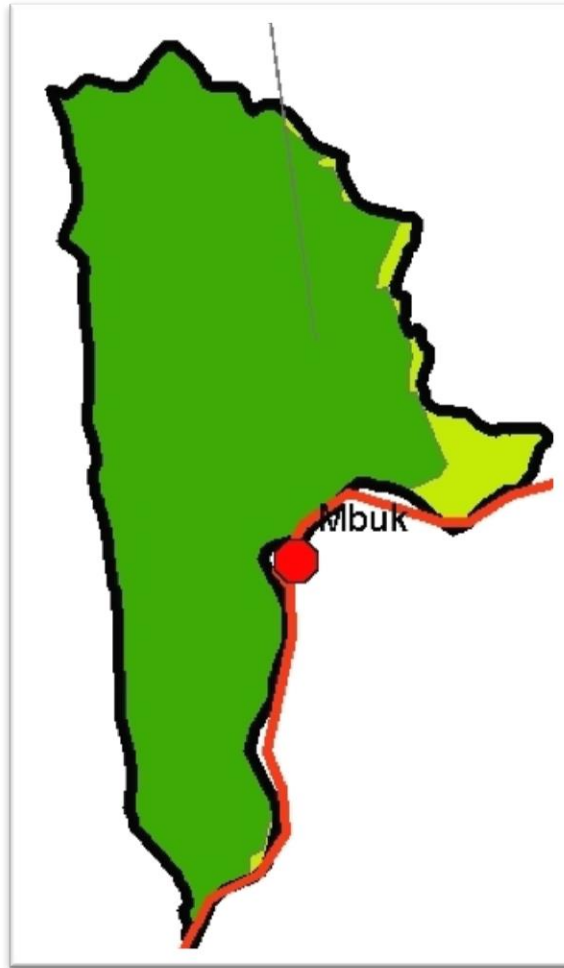


Figure 7: Komi Wildlife Sanctuary (1964)

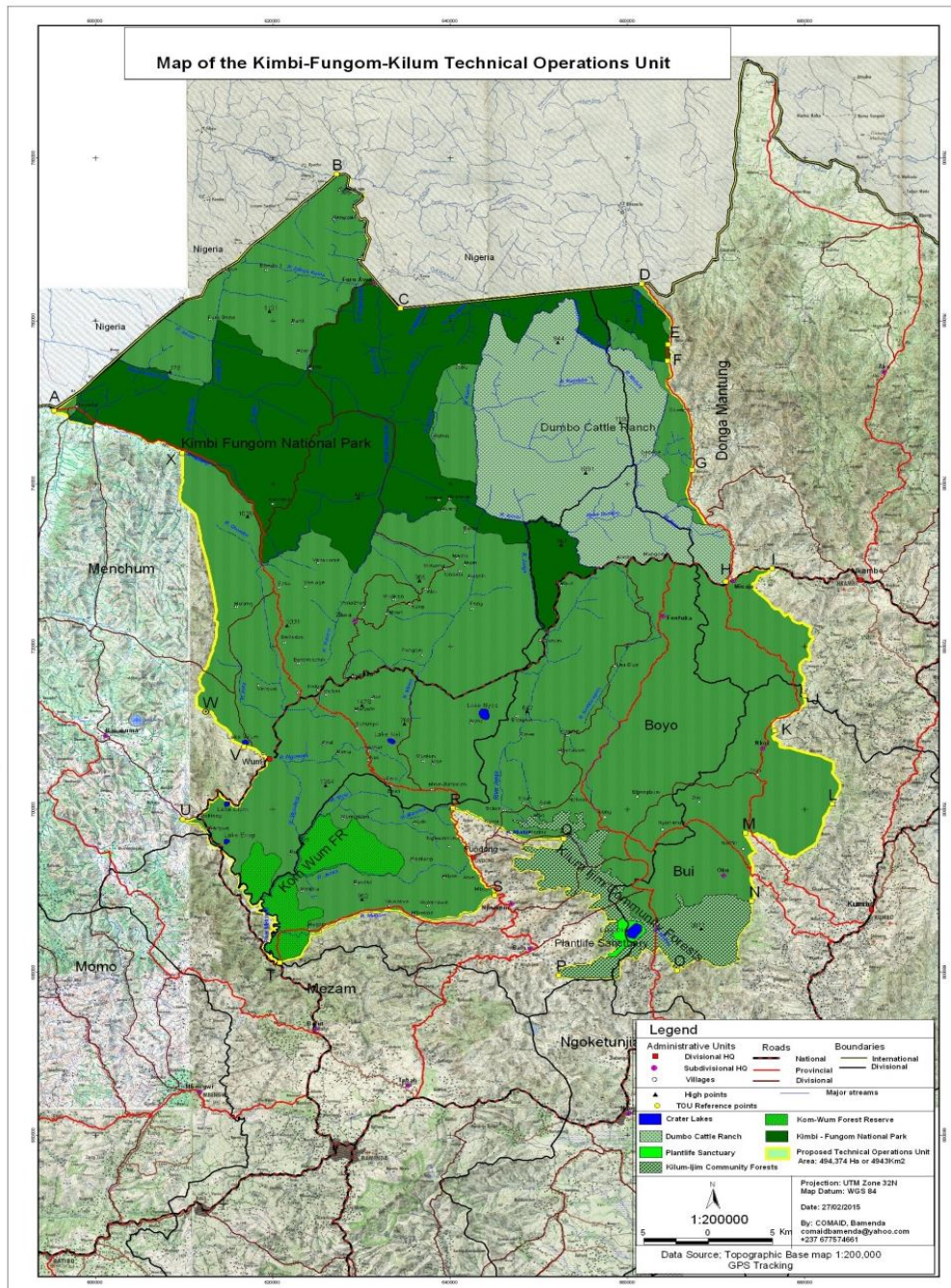


Figure 8: Kimbi-Fungom-Kilum Technical Operation Unit (With permission from the Regional Delegation in Bamenda).

2.10 Results

A total of 17 ha were sampled at the Kimbi Fungom National Park at 6 vegetation types (Gallery forest, Grassland savanna, Mixed vegetation, Primary forest, Secondary forest, and Woody savanna), and 4 habitat types (Flat dry forest, Plateau, Slope, and Swamp).

Gallery forest yield 323 stems in 54 species, Grassland savanna; 2026 stems in 73 species, Mixed vegetation; 144 stems in 39 species, Primary forest; 1865 stems in 140 species, Secondary forest; 301 stem in 55 species, and Woody savanna; 892 stems in 40 species (Table 12).

Table 11: Distribution of Species across different Vegetation types in the Kimbi Fungom National Park

Family	Vegetation Types/Species	Frequency
	Observational Data	90
	? ?	1
Acanthaceae	<i>Acanthus montanus</i>	1
Passifloraceae	<i>Adenia</i> sp.1	1
Zingiberaceae	<i>Aframomum daniellii</i>	1
Fabaceae	<i>Afzelia bipindensis</i>	1
Fabaceae	<i>Albizia adianthifolia</i>	1
Fabaceae	<i>Albizia zygia</i>	1
Apocynaceae	<i>Alstonia boonei</i>	1
Amaranthaceae	<i>Amaranthus</i> sp.	1
Orchidaceae	<i>Ancistrorhynchus serratus</i>	1
Annonaceae	<i>Annona senegalensis</i>	1
Fabaceae	<i>Anthonotha macrophylla</i>	1
Asparigaceae	<i>Asparagus flagellaris</i>	1
Acanthaceae	<i>Asystasia decipiens</i>	1
Fabaceae	<i>Baphia buettneri</i>	2
Fabaceae	<i>Brachystegia eurycoma</i>	1
Phyllanthaceae	<i>Bridelia ferruginea</i>	2
Phyllanthaceae	<i>Bridelia micrantha</i>	1
Ochnaceae	<i>Campylospermum excavatum</i>	1
Ochnaceae	<i>Campylospermum flavum</i>	1
Asteraceae	<i>Chromolaena odorata</i>	1
Rutaceae	<i>Clausena anisata</i>	1
Connaraceae	<i>Connarus griffonianus</i>	1
Costaceae	<i>Costus spectabilis</i>	1
Bignoniaceae	<i>Crescentia kujute</i>	1
Fabaceae	<i>Crotalaria macrocalyx</i>	1
Fabaceae	<i>Dalbergia</i> sp.	1
Fabaceae	<i>Desmodium velutinum</i>	1
Fabaceae	<i>Dialium zenkeri</i>	1
Thymelaeaceae	<i>Dicranolepis disticha</i>	1
Ebenaceae	<i>Diospyros</i> sp.	1
Melastomataceae	<i>Dissotis brazzae</i>	1
Ruscaceae	<i>Dracaena surculosa</i>	1
Musaceae	<i>Ensete livingstonianum</i>	1
Fabaceae	<i>Entada abyssinica</i>	1

Moraceae	<i>Ficus craterostoma</i>	1
Moraceae	<i>Ficus vogeliana</i>	1
Clusiaceae	<i>Garcinia cf barteri</i>	1
Clusiaceae	<i>Garcinia epunctata</i>	1
Rubiaceae	<i>Gardenia lutea</i>	1
Colchicaceae	<i>Gloriosa simplex</i>	1
Malvaceae	<i>Grewia mollis</i>	1
Orchidaceae	<i>Habenaria longirostris</i>	1
Apocynaceae	<i>Holarrhena floribunda</i>	1
Hymenocardiaceae	<i>Hymenocardia acida</i>	1
Irvingiaceae	<i>Irvingia grandifolia</i>	1
Apocynaceae	<i>Landolphia sp.</i>	1
Anacardiaceae	<i>Lannea kerstingii</i>	1
Leeaceae	<i>Leea guineensis</i>	1
Verbenaceae	<i>Lippia africana</i>	1
Chrysobalanaceae	<i>Magnistipula cuneatifolia</i>	1
Sapotaceae	<i>Malacantha alnifolia</i>	1
Phyllanthaceae	<i>Margaritaria discoidea</i>	2
Asclepiadaceae	<i>Marsdenia sp.</i>	1
Marantaceae	<i>Megaphrynium macrostachyum</i>	1
Rubiaceae	<i>Nauclea latifolia</i>	1
Euphorbiaceae	<i>Neoboutonia velutina</i>	1
Olacaceae	<i>Olax subscorpioidea</i>	1
Sapindaceae	<i>Paullinia pinnata</i>	1
Fabaceae	<i>Pericopsis laxiflora</i>	1
Phyllanthaceae	<i>Phyllanthus muellerianus</i>	1
Pittosporaceae	<i>Pittosporum viridiflorum</i>	1
Proteaceae	<i>Protea madiensis</i>	1
Rosaceae	<i>Prunus africana</i>	1
Hypericaceae	<i>Psorospermum glaucum</i>	1
Hypericaceae	<i>Psorospermum sp.</i>	1
Hypericaceae	<i>Psorospermum sp.3</i>	1
Zingiberaceae	<i>Renealmia sp.</i>	1
Ochnaceae	<i>Rhabdophyllum affine</i>	1
Violaceae	<i>Rinorea dentata</i>	1
Euphorbiaceae	<i>Sapium sp.</i>	1
Fabaceae	<i>Sesbania sp.</i>	1
Malvaceae	<i>Sida corymbosa</i>	1

Smilacaceae	<i>Smilax kraussiana</i>	1
Lamiaceae	<i>Solamestemum latifolius</i>	1
Anacardiaceae	<i>Sorindeia grandifolia</i>	1
Malvaceae	<i>Sterculia tragacantha</i>	1
Olacaceae	<i>Strombosia grandifolia</i>	1
Loganiaceae	<i>Strychnos spinosa</i>	1
Fabaceae	<i>Tamarindus indica</i>	1
Fabaceae	<i>Tephrosia barbiger</i>	1
Combretaceae	<i>Terminalia glaucescens</i>	1
Dilleniaceae	<i>Tetracera</i> sp.	1
Annonaceae	<i>Uvaria</i> sp.	1
Lamiaceae	<i>Vitex doniana</i>	1
Lamiaceae	<i>Vitex thyrsofolia</i>	1
Annonaceae	<i>Xylopi</i> sp.	1
Gallery Forest		323
	? ?	3
Fabaceae	<i>Azalia africana</i>	1
Fabaceae	<i>Albizia adianthifolia</i>	1
Fabaceae	<i>Albizia zygia</i>	5
Euphorbiaceae	<i>Alchornea cordifolia</i>	1
Sapindaceae	<i>Allophylus bullatus</i>	4
Annonaceae	<i>Annona senegalensis</i>	2
Bombacaceae	<i>Bombax buenopozense</i>	1
Phyllanthaceae	<i>Bridelia scleroneura</i>	2
Phyllanthaceae	<i>Bridelia</i> sp.	1
Burseraceae	<i>Canarium schweinfurthii</i>	1
Fabaceae	<i>Cassia arereh</i>	1
Malvaceae	<i>Cola caricaefolia</i>	1
Malvaceae	<i>Cola</i> sp.	1
Malvaceae	<i>Cola</i> sp.2	1
Combretaceae	<i>Combretum</i> sp.	2
Rubiaceae	<i>Crossopteryx febrifuga</i>	10
Araliaceae	<i>Cussonia barteri</i>	3
Fabaceae	<i>Daniellia oliveri</i>	28
Fabaceae	<i>Entada abyssinica</i>	3
Fabaceae	<i>Erythrophleum suaveolens</i>	4
Moraceae	<i>Ficus</i> sp.1	4
Moraceae	<i>Ficus sur</i>	1

Moraceae	<i>Ficus vogeliana</i>	1
Hypericaceae	<i>Harungana madagascariensis</i>	8
Apocynaceae	<i>Holarrhena floribunda</i>	5
Hymenocardiaceae	<i>Hymenocardia acida</i>	16
Anacardiaceae	<i>Lannea schimperi</i>	3
Anacardiaceae	<i>Lannea</i> sp.2	11
Ochnaceae	<i>Lophira lanceolata</i>	9
Rhamnaceae	<i>Maesopsis eminii</i>	3
Chrysobalanaceae	<i>Maranthes glabra</i>	1
Phyllanthaceae	<i>Margaritaria discoidea</i>	3
Sapotaceae	<i>Mimusops fragrans</i>	2
Rubiaceae	<i>Morelia senegalensis</i>	2
Rubiaceae	<i>Nauclea latifolia</i>	3
Fabaceae	<i>Parkia africana</i>	1
Fabaceae	<i>Pericopsis laxiflora</i>	3
Fabaceae	<i>Piliostigma thonningii</i>	5
Araliaceae	<i>Polycias fulva</i>	1
Anacardiaceae	<i>Pseudospondias microcarpa</i>	1
Hypericaceae	<i>Psorospermum febrifugum</i>	1
Hypericaceae	<i>Psorospermum glaucum</i>	1
Fabaceae	<i>Pterocarpus erinaceus</i>	1
Myristicaceae	<i>Pycnanthus angolensis</i>	6
Euphorbiaceae	<i>Ricinodendron heudelotii</i>	4
Malvaceae	<i>Sterculia tragacantha</i>	4
Myrtaceae	<i>Syzygium guineense</i>	10
Combretaceae	<i>Terminalia glaucescens</i>	7
Ulmaceae	<i>Trema orientalis</i>	1
Phyllanthaceae	<i>Uapaca paludosa</i>	1
Phyllanthaceae	<i>Uapaca togoensis</i>	113
Lamiaceae	<i>Vitex cf simplicifolia</i>	2
Lamiaceae	<i>Vitex doniana</i>	13
Grassland Savannah		2026
	??	20
Fabaceae	<i>Albizia adianthifolia</i>	1
Fabaceae	<i>Albizia</i> sp.	2
Fabaceae	<i>Albizia zygia</i>	1
Euphorbiaceae	<i>Alchornea cordifolia</i>	4
Sapindaceae	<i>Allophyllus bullatus</i>	12

Annonaceae	<i>Annona senegalensis</i>	44
Gentianaceae	<i>Anthocleista djalonensis</i>	1
Fabaceae	<i>Anthonotha macrophylla</i>	2
Phyllanthaceae	<i>Antidesma</i> sp.	1
Bombacaceae	<i>Bombax buenopozense</i>	13
Phyllanthaceae	<i>Bridelia ferruginea</i>	2
Phyllanthaceae	<i>Bridelia grandis</i>	1
Phyllanthaceae	<i>Bridelia scleroneura</i>	20
Phyllanthaceae	<i>Bridelia</i> sp.	3
Burseraceae	<i>Canarium schweinfurthii</i>	1
Rhizophoraceae	<i>Cassipourea</i> sp.	1
Connaraceae	<i>Cnestis ferruginea</i>	1
Combretaceae	<i>Combretum</i> sp.	14
Rubiaceae	<i>Crossopteryx febrifuga</i>	93
Araliaceae	<i>Cussonia barteri</i>	108
Fabaceae	<i>Daniellia oliveri</i>	144
Fabaceae	<i>Entada abyssinica</i>	82
Fabaceae	<i>Erythrina senegalensis</i>	1
Fabaceae	<i>Erythrophleum suaveolens</i>	8
Moraceae	<i>Ficus exasperata</i>	4
Moraceae	<i>Ficus</i> sp.1	9
Moraceae	<i>Ficus</i> sp.2	11
Moraceae	<i>Ficus</i> sp.3	1
Moraceae	<i>Ficus</i> sp.8	33
Moraceae	<i>Ficus sur</i>	5
Moraceae	<i>Ficus vallis-choudae</i>	17
Moraceae	<i>Ficus vogeliana</i>	11
Malvaceae	<i>Grewia flavescens</i>	5
Hypericaceae	<i>Harungana madagascariensis</i>	26
Apocynaceae	<i>Holarrhena floribunda</i>	6
Hymenocardiaceae	<i>Hymenocardia acida</i>	213
Anacardiaceae	<i>Lannea microcarpa</i>	1
Anacardiaceae	<i>Lannea schimperi</i>	40
Anacardiaceae	<i>Lannea</i> sp.1	1
Anacardiaceae	<i>Lannea</i> sp.2	9
Ochnaceae	<i>Lophira lanceolata</i>	166
Chrysobalanaceae	<i>Magnistipula butayei</i>	1
Chrysobalanaceae	<i>Maranthes glabra</i>	6

Phyllanthaceae	<i>Margaritaria discoidea</i>	23
Moraceae	<i>Milicia excelsa</i>	1
Sapotaceae	<i>Mimusops fragrans</i>	1
Rubiaceae	<i>Nauclea latifolia</i>	137
Euphorbiaceae	<i>Neoboutonia velutina</i>	6
Ochnaceae	<i>Ochna afzelii</i>	14
Chrysobalanaceae	<i>Parinari curatellifolia</i>	15
Fabaceae	<i>Parkia africana</i>	5
Fabaceae	<i>Pericopsis laxiflora</i>	41
Phyllanthaceae	<i>Phyllanthus</i> sp.	9
Fabaceae	<i>Piliostigma thonningii</i>	137
Araliaceae	<i>Polycias fulva</i>	8
Proteaceae	<i>Protea madiensis</i>	3
Anacardiaceae	<i>Pseudospondias microcarpa</i>	1
Hypericaceae	<i>Psorospermum febrifugum</i>	34
Rubiaceae	<i>Psychotria</i> sp.1	3
Fabaceae	<i>Pterocarpus erinaceus</i>	1
Euphorbiaceae	<i>Ricinodendron heudelotii</i>	4
Bignoniaceae	<i>Spathodea campanulata</i>	5
Malvaceae	<i>Sterculia tragacantha</i>	2
Bignoniaceae	<i>Stereospermum kunthianum</i>	1
Loganiaceae	<i>Strychnos</i> sp.3	2
Myrtaceae	<i>Syzygium guineense</i>	92
Combretaceae	<i>Terminalia glaucescens</i>	180
Ulmaceae	<i>Trema orientalis</i>	1
Meliaceae	<i>Trichilia</i> sp.	2
Phyllanthaceae	<i>Uapaca paludosa</i>	1
Phyllanthaceae	<i>Uapaca togoensis</i>	107
Lamiaceae	<i>Vitex doniana</i>	45
Mixed Vegetation		144
	??	3
Annonaceae	<i>Annona senegalensis</i>	2
Lauraceae	<i>Beilschmiedia anacardioides</i>	1
Fabaceae	<i>Brachystegia eurycoma</i>	1
Phyllanthaceae	<i>Bridelia scleroneura</i>	1
Burseraceae	<i>Canarium schweinfurthii</i>	1
Malvaceae	<i>Cola caricaefolia</i>	6
Combretaceae	<i>Combretum</i> sp.	4

Rubiaceae	<i>Crossopteryx febrifuga</i>	1
Araliaceae	<i>Cussonia barteri</i>	2
Fabaceae	<i>Daniellia oliveri</i>	1
Fabaceae	<i>Dialium</i> sp.	3
Arecaceae	<i>Elaeis guineensis</i>	1
Meliaceae	<i>Entandrophragma angolense</i>	2
Fabaceae	<i>Erythrophleum suaveolens</i>	4
Moraceae	<i>Ficus</i> sp.2	7
Moraceae	<i>Ficus</i> sp.4	1
Moraceae	<i>Ficus</i> sp.8	1
Hymenocardiaceae	<i>Hymenocardia acida</i>	1
Anacardiaceae	<i>Lannea schimperi</i>	2
Anacardiaceae	<i>Lannea</i> sp.2	4
Ochnaceae	<i>Lophira lanceolata</i>	5
Chrysobalanaceae	<i>Maranthes glabra</i>	15
Phyllanthaceae	<i>Margaritaria discoidea</i>	3
Sapotaceae	<i>Mimusops fragrans</i>	6
Lecythidaceae	<i>Napoleonaea</i> sp.1	1
Rubiaceae	<i>Nauclea latifolia</i>	10
Fabaceae	<i>Piliostigma thonningii</i>	6
Anacardiaceae	<i>Pseudospondias microcarpa</i>	4
Rubiaceae	<i>Psychotria</i> sp.1	3
Fabaceae	<i>Pterocarpus soyauxii</i>	1
Myristicaceae	<i>Pycnanthus angolensis</i>	1
Anacardiaceae	<i>Sorindeia grandifolia</i>	1
Anacardiaceae	<i>Spondianthus preussii</i>	7
Loganiaceae	<i>Strychnos chrysophylla</i>	1
Combretaceae	<i>Terminalia glaucescens</i>	1
Phyllanthaceae	<i>Uapaca togoensis</i>	20
Lamiaceae	<i>Vitex doniana</i>	9
Lamiaceae	<i>Vitex rivularis</i>	1
Primary Forest		1865
	? ?	40
Passifloraceae	<i>Adenia</i> sp.	1
Fabaceae	<i>Afzelia africana</i>	6
Rubiaceae	<i>Aidia genipiflora</i>	2
Rubiaceae	<i>Aidia</i> sp.	1
Fabaceae	<i>Albizia adianthifolia</i>	5

Fabaceae	<i>Albizia zygia</i>	13
Sapindaceae	<i>Allophyllus bullatus</i>	4
Apocynaceae	<i>Alstonia boonei</i>	2
Fabaceae	<i>Angylocalyx</i> sp.	3
Gentianaceae	<i>Anthocleista djalonensis</i>	4
Fabaceae	<i>Anthonotha macrophylla</i>	21
Moraceae	<i>Antiaris toxicarea</i>	5
Phyllanthaceae	<i>Antidesma</i> sp.	4
Fabaceae	<i>Baphia buettneri</i>	12
Fabaceae	<i>Baphia</i> sp.	2
Passifloraceae	<i>Barteria fistulosa</i>	2
Lauraceae	<i>Beilschmiedia anacardioides</i>	3
Lauraceae	<i>Beilschmiedia</i> sp.	1
Bombacaceae	<i>Bombax buenopozense</i>	12
Fabaceae	<i>Brachystegia eurycoma</i>	70
Fabaceae	<i>Brachystegia</i> sp.	3
Phyllanthaceae	<i>Bridelia grandis</i>	4
Ochnaceae	<i>Campylospermum</i> sp.	4
Burseraceae	<i>Canarium schweinfurthii</i>	14
Rhizophoraceae	<i>Cassipourea</i> sp.	4
Ulmaceae	<i>Celtis philippensis</i>	7
Annonaceae	<i>Cleistopholis patens</i>	4
Annonaceae	<i>Cleistopholis</i> sp.	2
Annonaceae	<i>Cleistopholis staudtii</i>	2
Rubiaceae	<i>Coffea</i> sp.	1
Malvaceae	<i>Cola caricaefolia</i>	89
Malvaceae	<i>Cola</i> sp.	5
Combretaceae	<i>Combretum</i> sp.	3
Connaraceae	<i>Connarus</i> sp.	1
Rubiaceae	<i>Craterispermum laurinum</i>	41
Burseraceae	<i>Dacryodes</i> sp.	1
Fabaceae	<i>Dalbergia saxatilis</i>	1
Fabaceae	<i>Daniellia oliveri</i>	4
Fabaceae	<i>Dialium</i> sp.	14
Thymelaeaceae	<i>Dicranolepis disticha</i>	4
Thymelaeaceae	<i>Dictyophleba</i> sp.	6
Ebenaceae	<i>Diospyros</i> sp.	2
Arecaceae	<i>Elaeis guineensis</i>	43

Sapotaceae	<i>Englerophytum</i> sp.	1
Fabaceae	<i>Entada abyssinica</i>	1
Fabaceae	<i>Entada gigas</i>	3
Meliaceae	<i>Entandrophragma angolense</i>	27
Meliaceae	<i>Entandrophragma candollei</i>	44
Fabaceae	<i>Erythrophleum ivorense</i>	12
Fabaceae	<i>Erythrophleum suaveolens</i>	29
Moraceae	<i>Ficus bubu</i>	1
Moraceae	<i>Ficus exasperata</i>	6
Moraceae	<i>Ficus mucuso</i>	3
Moraceae	<i>Ficus</i> sp.1	2
Moraceae	<i>Ficus</i> sp.10	4
Moraceae	<i>Ficus</i> sp.7	1
Moraceae	<i>Ficus</i> sp.9	3
Apocynaceae	<i>Funtumia elastica</i>	22
Clusiaceae	<i>Garcinia cf mannii</i>	1
Clusiaceae	<i>Garcinia epunctata</i>	10
Rubiaceae	<i>Hallea stipulosa</i>	2
Apocynaceae	<i>Holarrhena floribunda</i>	2
Salicaceae	<i>Homalium africanum</i>	2
Irvingiaceae	<i>Irvingia grandifolia</i>	1
Irvingiaceae	<i>Irvingia wombulu</i>	6
Rubiaceae	<i>Ixora</i> sp.3	55
Irvingiaceae	<i>Klainedoxa gabonensis</i>	1
Irvingiaceae	<i>Klainedoxa</i> sp.	1
Apocynaceae	<i>Landolphia jumellei</i>	1
Anacardiaceae	<i>Lannea microcarpa</i>	10
Anacardiaceae	<i>Lannea</i> sp.1	1
Anacardiaceae	<i>Lannea</i> sp.2	14
Leeaceae	<i>Leea guineensis</i>	4
Phyllanthaceae	<i>Macaranga monandra</i>	2
Rhamnaceae	<i>Maesopsis eminii</i>	39
Chrysobalanaceae	<i>Magnistipula butayei</i>	3
	subsp. <i>Balingembeaensis</i>	
Clusiaceae	<i>Mammea africana</i>	3
Chrysobalanaceae	<i>Maranthes glabra</i>	247
Phyllanthaceae	<i>Margaritaria discoidea</i>	23
Bignoniaceae	<i>Markhamia tomentosa</i>	2

Moraceae	<i>Milicia excelsa</i>	9
Sapotaceae	<i>Mimusops fragrans</i>	80
Annonaceae	<i>Monodora</i> sp.1	4
Annonaceae	<i>Monodora</i> sp.2	1
Rubiaceae	<i>Morelia senegalensis</i>	7
Cecropiaceae	<i>Musanga cecropioides</i>	2
Cecropiaceae	<i>Myrianthus arboreus</i>	1
Lecythidaceae	<i>Napoleonaea</i> sp.1	26
Bignoniaceae	<i>Newbouldia laevis</i>	36
Ochnaceae	<i>Ochna afzelii</i>	1
Ochnaceae	<i>Ochna</i> sp.	1
Olacaceae	<i>Olax subscorpioidea</i>	12
Rubiaceae	<i>Oxyanthus pallidus</i>	3
Chrysobalanaceae	<i>Parinari</i> sp.1	1
Fabaceae	<i>Parkia africana</i>	1
Fabaceae	<i>Parkia filicoidea</i>	6
Rubiaceae	<i>Pavetta</i> sp.1	4
Rubiaceae	<i>Pavetta</i> sp.2	2
Rubiaceae	<i>Pavetta</i> sp.3	1
Fabaceae	<i>Pentaclethra macrophylla</i>	4
Araliaceae	<i>Polycias fulva</i>	7
Rubiaceae	<i>Polysphaeria</i> sp.	3
Sapotaceae	<i>Pouteria alnifolia</i>	2
Anacardiaceae	<i>Pseudospondias microcarpa</i>	91
Hypericaceae	<i>Psorospermum</i> sp.4	1
Rubiaceae	<i>Psychotria</i> sp.1	15
Fabaceae	<i>Pterocarpus osun</i>	7
Fabaceae	<i>Pterocarpus soyauxii</i>	19
Myristicaceae	<i>Pycnanthus angolensis</i>	32
Simaroubaceae	<i>Quassia sanguinea</i>	4
Apocynaceae	<i>Rauvolfia caffra</i>	9
Apocynaceae	<i>Rauvolfia</i> sp.	1
Apocynaceae	<i>Rauvolfia vomitoria</i>	10
Icacinaceae	<i>Rhaphiostylis beninensis</i>	1
Icacinaceae	<i>Rhaphiostylis</i> sp.	1
Euphorbiaceae	<i>Ricinodendron heudelotii</i>	17
Rubiaceae	<i>Rothmannia lujae</i>	3
Rubiaceae	<i>Rothmannia</i> sp.1	5

Rubiaceae	<i>Rothmannia</i> sp.2	1
Euphorbiaceae	<i>Sapium</i> sp.	1
Anacardiaceae	<i>Sorindeia grandifolia</i>	119
Anacardiaceae	<i>Sorindeia</i> sp.	1
Bignoniaceae	<i>Spathodea campanulata</i>	2
Euphorbiaceae	<i>Spondianthus preussii</i>	101
Malvaceae	<i>Sterculia tragacantha</i>	18
Loganiaceae	<i>Strychnos</i> sp.2	1
Clusiaceae	<i>Symphonia globulifera</i>	1
Myrtaceae	<i>Syzyguim guineensis</i>	1
Combretaceae	<i>Terminalia glaucescens</i>	2
Ulmaceae	<i>Trema orientalis</i>	14
Meliaceae	<i>Trichilia rubescens</i>	2
Moraceae	<i>Trilepisium madagascariense</i>	6
Phyllanthaceae	<i>Uapaca guineensis</i> var. <i>guineensis</i>	23
Phyllanthaceae	<i>Uapaca paludosa</i>	57
Phyllanthaceae	<i>Uapaca togoensis</i>	13
Lamiaceae	<i>Vitex doniana</i>	6
Lamiaceae	<i>Vitex grandifolia</i>	3
Lamiaceae	<i>Vitex rivularis</i>	1
Apocynaceae	<i>Voacanga africana</i>	1
Secondary Forest		301
	??	2
Fabaceae	<i>Albizia adianthifolia</i>	6
Fabaceae	<i>Albizia zygia</i>	18
Apocynaceae	<i>Alstonia boonei</i>	1
Gentianaceae	<i>Anthocleista djalonensis</i>	11
Fabaceae	<i>Anthonotha macrophylla</i>	6
Moraceae	<i>Antiaris toxicaria</i>	6
Fabaceae	<i>Baphia buettneri</i>	5
Bombacaceae	<i>Bombax buenopozense</i>	9
Fabaceae	<i>Brachystegia eurycoma</i>	7
Annonaceae	<i>Cleistopholis staudtii</i>	1
Malvaceae	<i>Cola caricaefolia</i>	4
Malvaceae	<i>Cola</i> sp.	1
Rubiaceae	<i>Craterispermum laurinum</i>	5
Fabaceae	<i>Daniellia oliveri</i>	1
Arecaceae	<i>Elaeis guineensis</i>	5

Fabaceae	<i>Erythrophleum suaveolens</i>	1
Moraceae	<i>Ficus bubu</i>	1
Moraceae	<i>Ficus exasperata</i>	2
Moraceae	<i>Ficus</i> sp.1	10
Moraceae	<i>Ficus</i> sp.2	6
Moraceae	<i>Ficus</i> sp.6	1
Moraceae	<i>Ficus vogeliana</i>	3
Apocynaceae	<i>Funtumia elastica</i>	1
Clusiaceae	<i>Garcinia epunctata</i>	4
Rubiaceae	<i>Hallea stipulosa</i>	41
Hypericaceae	<i>Harungana madagascariensis</i>	7
Irvingiaceae	<i>Irvingia wombulu</i>	1
Rubiaceae	<i>Ixora</i> sp.2	2
Irvingiaceae	<i>Klainedoxa gabonensis</i>	1
Anacardiaceae	<i>Lannea microcarpa</i>	1
Anacardiaceae	<i>Lannea</i> sp.2	6
Phyllanthaceae	<i>Macaranga monandra</i>	5
Phyllanthaceae	<i>Macaranga spinosa</i>	2
Chrysobalanaceae	<i>Maranthes glabra</i>	2
Phyllanthaceae	<i>Margaritaria discoidea</i>	9
Annonaceae	<i>Monodora</i> sp.2	1
Rubiaceae	<i>Morelia senegalensis</i>	2
Lecythidaceae	<i>Napoleonaea</i> sp.1	12
Olacaceae	<i>Olax subscorpioidea</i>	3
Pandanaceae	<i>Pandanus candelabrum</i>	6
Fabaceae	<i>Parkia africana</i>	11
Araliaceae	<i>Polycias fulva</i>	1
Anacardiaceae	<i>Pseudospondias microcarpa</i>	8
Myristicaceae	<i>Pycnanthus angolensis</i>	2
Simaroubaceae	<i>Quassia</i> sp.	1
Euphorbiaceae	<i>Ricinodendron heudelotii</i>	20
Bignoniaceae	<i>Spathodea campanulata</i>	8
Euphorbiaceae	<i>Spondianthus preussii</i>	2
Malvaceae	<i>Sterculia tragacantha</i>	10
Combretaceae	<i>Terminalia glaucescens</i>	4
Ulmaceae	<i>Trema orientalis</i>	12
Meliaceae	<i>Trichilia rubescens</i>	1
Phyllanthaceae	<i>Uapaca paludosa</i>	2

Lamiaceae	<i>Vitex doniana</i>	1
Woody Savannah		892
Fabaceae	<i>Afzelia africana</i>	1
Fabaceae	<i>Albizia zygia</i>	5
Sapindaceae	<i>Allophyllus bullatus</i>	7
Annonaceae	<i>Annona senegalensis</i>	23
Bombacaceae	<i>Bombax buenopozense</i>	1
Phyllanthaceae	<i>Bridelia ferruginea</i>	5
Phyllanthaceae	<i>Bridelia scleroneura</i>	54
Fabaceae	<i>Cassia arereh</i>	4
Rubiaceae	<i>Crossopteryx febrifuga</i>	214
Fabaceae	<i>Daniellia oliveri</i>	9
Fabaceae	<i>Entada abyssinica</i>	72
Fabaceae	<i>Erythrophleum suaveolens</i>	7
Moraceae	<i>Ficus</i> sp.1	13
Moraceae	<i>Ficus</i> sp.5	2
Moraceae	<i>Ficus</i> sp.7	3
Moraceae	<i>Ficus sur</i>	1
Hypericaceae	<i>Harungana madagascariensis</i>	6
Apocynaceae	<i>Holarrhena floribunda</i>	1
Hymenocardiaceae	<i>Hymenocardia acida</i>	84
Anacardiaceae	<i>Lannea microcarpa</i>	1
Anacardiaceae	<i>Lannea schimperi</i>	14
Anacardiaceae	<i>Lannea</i> sp.2	22
Ochnaceae	<i>Lophira lanceolata</i>	33
Rhamnaceae	<i>Maesopsis eminii</i>	1
Phyllanthaceae	<i>Margaritaria discoidea</i>	5
Rubiaceae	<i>Morelia senegalensis</i>	1
Rubiaceae	<i>Nauclea latifolia</i>	164
Fabaceae	<i>Parkia africana</i>	9
Fabaceae	<i>Piliostigma thonningii</i>	21
Araliaceae	<i>Polycias fulva</i>	1
Hypericaceae	<i>Psorospermum febrifugum</i>	1
Myristicaceae	<i>Pycnanthus angolensis</i>	1
Simaroubaceae	<i>Quassia</i> sp.	1
Bignoniaceae	<i>Spathodea campanulata</i>	1
Malvaceae	<i>Sterculia tragacantha</i>	1
Bignoniaceae	<i>Stereospermum kunthianum</i>	4

Myrtaceae	<i>Syzygium guineense</i>	1
Combretaceae	<i>Terminalia glaucescens</i>	81
Phyllanthaceae	<i>Uapaca togoensis</i>	3
Lamiaceae	<i>Vitex doniana</i>	14
Grand Total		5641

Table 12: Species Distribution across vegetation types in the Kimbi Fungom National Park

Species	Observational Data	Gallery Forest	Grassland Savanna	Mixed Vegetation	Primary Forest	Secondary Forest	Woody Savanna	Total
? ?	1	3	20	3	40	2		69
<i>Acanthus montanus</i>	1							1
<i>Adenia</i> sp.					1			1
<i>Adenia</i> sp.1	1							1
<i>Aframomum daniellii</i>	1							1
<i>Afzelia africana</i>		1			6		1	8
<i>Afzelia bipindensis</i>	1							1
<i>Aidia genipiflora</i>					2			2
<i>Aidia</i> sp.					1			1
<i>Albizia adianthifolia</i>	1	1	1		5	6		14
<i>Albizia</i> sp.			2					2
<i>Albizia zygia</i>	1	5	1		13	18	5	43
<i>Alchornea cordifolia</i>		1	4					5
<i>Allophyllus bullatus</i>		4	12		4		7	27
<i>Alstonia boonei</i>	1				2	1		4
<i>Amaranthus</i> sp.	1							1
<i>Ancistrorhynchus serratus</i>	1							1
<i>Angylocalyx</i> sp.					3			3
<i>Annona senegalensis</i>	1	2	44	2			23	72
<i>Anthocleista djalonensis</i>			1		4	11		16
<i>Anthonotha macrophylla</i>	1		2		21	6		30
<i>Antiaris toxicarea</i>					5			5
<i>Antiaris toxicaria</i>						6		6
<i>Antidesma</i> sp.			1		4			5

<i>Asparagus flagellaris</i>	1							1
<i>Asystasia decipiens</i>	1							1
<i>Baphia buettneri</i>	2				12	5		19
<i>Baphia</i> sp.					2			2
<i>Barteria fistulosa</i>					2			2
<i>Beilschmiedia anacardioides</i>				1	3			4
<i>Beilschmiedia</i> sp.					1			1
<i>Bombax buenopozense</i>		1	13		12	9	1	36
<i>Brachystegia eurycoma</i>	1			1	70	7		79
<i>Brachystegia</i> sp.					3			3
<i>Bridelia ferruginea</i>	2		2				5	9
<i>Bridelia grandis</i>			1		4			5
<i>Bridelia micrantha</i>	1							1
<i>Bridelia scleroneura</i>		2	20	1			54	77
<i>Bridelia</i> sp.		1	3					4
<i>Campylospermum excavatum</i>	1							1
<i>Campylospermum flavum</i>	1							1
<i>Campylospermum</i> sp.					4			4
<i>Canarium schweinfurthii</i>		1	1	1	14			17
<i>Cassia arereh</i>		1					4	5
<i>Cassipourea</i> sp.			1		4			5
<i>Celtis philippensis</i>					7			7
<i>Chromolaena odorata</i>	1							1
<i>Clausena anisata</i>	1							1
<i>Cleistopholis patens</i>					4			4

<i>Cleistopholis</i> sp.				2			2	
<i>Cleistopholis staudtii</i>				2	1		3	
<i>Cnestis ferruginea</i>		1					1	
<i>Coffea</i> sp.				1			1	
<i>Cola caricaefolia</i>		1	6	89	4		100	
<i>Cola</i> sp.		1		5	1		7	
<i>Cola</i> sp.2		1					1	
<i>Combretum</i> sp.		2	14	4	3		23	
<i>Connarus griffonianus</i>	1						1	
<i>Connarus</i> sp.				1			1	
<i>Costus spectabilis</i>	1						1	
<i>Craterispermum laurinum</i>				41	5		46	
<i>Crescentia kujute</i>	1						1	
<i>Crossopteryx febrifuga</i>		10	93	1		214	318	
<i>Crotalaria macrocalyx</i>	1						1	
<i>Cussonia barteri</i>		3	108	2			113	
<i>Dacryodes</i> sp.					1		1	
<i>Dalbergia saxatilis</i>					1		1	
<i>Dalbergia</i> sp.	1						1	
<i>Daniellia oliveri</i>		28	144	1	4	1	9	187
<i>Desmodium velutinum</i>	1						1	
<i>Dialium</i> sp.				3	14		17	
<i>Dialium zenkeri</i>	1						1	
<i>Dicranolepis disticha</i>	1				4		5	
<i>Dictyophleba</i> sp.					6		6	
<i>Diospyros</i> sp.	1				2		3	
<i>Dissotis brazzae</i>	1						1	

<i>Dracaena surculosa</i>	1							1
<i>Elaeis guineensis</i>				1	43	5		49
<i>Englerophytum</i> sp.					1			1
<i>Ensete livingstonianum</i>	1							1
<i>Entada abyssinica</i>	1	3	82		1		72	159
<i>Entada gigas</i>					3			3
<i>Entandrophragma angolense</i>				2	27			29
<i>Entandrophragma candollei</i>					44			44
<i>Erythrina senegalensis</i>			1					1
<i>Erythrophleum ivorense</i>					12			12
<i>Erythrophleum suaveolens</i>		4	8	4	29	1	7	53
<i>Ficus bubu</i>					1	1		2
<i>Ficus craterostoma</i>	1							1
<i>Ficus exasperata</i>			4		6	2		12
<i>Ficus mucoso</i>					3			3
<i>Ficus</i> sp.1		4	9		2	10	13	38
<i>Ficus</i> sp.10					4			4
<i>Ficus</i> sp.2			11	7		6		24
<i>Ficus</i> sp.3			1					1
<i>Ficus</i> sp.4				1				1
<i>Ficus</i> sp.5							2	2
<i>Ficus</i> sp.6						1		1
<i>Ficus</i> sp.7					1		3	4
<i>Ficus</i> sp.8			33	1				34
<i>Ficus</i> sp.9					3			3

<i>Ficus sur</i>		1	5			1	7
<i>Ficus vallis-choudae</i>			17				17
<i>Ficus vogeliana</i>	1	1	11		3		16
<i>Funtumia elastica</i>				22	1		23
<i>Garcinia cf barteri</i>	1						1
<i>Garcinia cf mannii</i>				1			1
<i>Garcinia epunctata</i>	1			10	4		15
<i>Gardenia lutea</i>	1						1
<i>Gloriosa simplex</i>	1						1
<i>Grewia flavescens</i>			5				5
<i>Grewia mollis</i>	1						1
<i>Habenaria longirostris</i>	1						1
<i>Hallea stipulosa</i>				2	41		43
<i>Harungana madagascariensis</i>		8	26		7	6	47
<i>Holarrhena floribunda</i>	1	5	6	2		1	15
<i>Homalium africanum</i>				2			2
<i>Hymenocardia acida</i>	1	16	213	1		84	315
<i>Irvingia grandifolia</i>	1			1			2
<i>Irvingia wombulu</i>				6	1		7
<i>Ixora sp.2</i>					2		2
<i>Ixora sp.3</i>				55			55
<i>Klainedoxa gabonensis</i>				1	1		2
<i>Klainedoxa sp.</i>				1			1
<i>Landolphia jumellei</i>				1			1
<i>Landolphia sp.</i>	1						1
<i>Lannea kerstingii</i>	1						1

<i>Lannea microcarpa</i>			1		10	1	1	13
<i>Lannea schimperi</i>		3	40	2			14	59
<i>Lannea</i> sp.1			1		1			2
<i>Lannea</i> sp.2		11	9	4	14	6	22	66
<i>Leea guineensis</i>	1				4			5
<i>Lippia africana</i>	1							1
<i>Lophira lanceolata</i>		9	166	5			33	213
<i>Macaranga monandra</i>					2	5		7
<i>Macaranga spinosa</i>						2		2
<i>Maesopsis eminii</i>		3			39		1	43
<i>Magnistipula butayei</i>			1					1
<i>Magnistipula butayei</i> subsp. <i>Balingembaensis</i>					3			3
<i>Magnistipula cuneatifolia</i>	1							1
<i>Malacantha alnifolia</i>	1							1
<i>Mammea africana</i>					3			3
<i>Maranthes glabra</i>		1	6	15	247	2		271
<i>Margaritaria discoidea</i>	2	3	23	3	23	9	5	68
<i>Markhamia tomentosa</i>					2			2
<i>Marsdenia</i> sp.	1							1
<i>Megaphrynium</i> <i>macrostachyum</i>	1							1
<i>Milicia excelsa</i>			1		9			10
<i>Mimusops fragrans</i>		2	1	6	80			89
<i>Monodora</i> sp.1					4			4
<i>Monodora</i> sp.2					1	1		2
<i>Morelia senegalensis</i>		2			7	2	1	12

<i>Musanga cecropioides</i>					2			2
<i>Myrianthus arboreus</i>					1			1
<i>Napoleonaea</i> sp.1				1	26	12		39
<i>Nauclea latifolia</i>	1	3	137	10			164	315
<i>Neoboutonia velutina</i>	1		6					7
<i>Newbouldia laevis</i>					36			36
<i>Ochna afzelii</i>			14		1			15
<i>Ochna</i> sp.					1			1
<i>Olax subscorpioidea</i>	1				12	3		16
<i>Oxyanthus pallidus</i>					3			3
<i>Pandanus candelabrum</i>						6		6
<i>Parinari curatellifolia</i>			15					15
<i>Parinari</i> sp.1					1			1
<i>Parkia africana</i>		1	5		1	11	9	27
<i>Parkia filicoidea</i>					6			6
<i>Paullinia pinnata</i>	1							1
<i>Pavetta</i> sp.1					4			4
<i>Pavetta</i> sp.2					2			2
<i>Pavetta</i> sp.3					1			1
<i>Pentaclethra macrophylla</i>					4			4
<i>Pericopsis laxiflora</i>	1	3	41					45
<i>Phyllanthus muellerianus</i>	1							1
<i>Phyllanthus</i> sp.			9					9
<i>Piliostigma thonningii</i>		5	137	6			21	169
<i>Pittosporum viridiflorum</i>	1							1
<i>Polycias fulva</i>		1	8		7	1	1	18

<i>Polysphaeria</i> sp.					3			3
<i>Pouteria alnifolia</i>					2			2
<i>Protea madiensis</i>	1		3					4
<i>Prunus africana</i>	1							1
<i>Pseudospondias microcarpa</i>		1	1	4	91	8		105
<i>Psorospermum febrifugum</i>		1	34				1	36
<i>Psorospermum glaucum</i>	1	1						2
<i>Psorospermum</i> sp.	1							1
<i>Psorospermum</i> sp.3	1							1
<i>Psorospermum</i> sp.4					1			1
<i>Psychotria</i> sp.1			3	3	15			21
<i>Pterocarpus erinaceus</i>		1	1					2
<i>Pterocarpus osun</i>					7			7
<i>Pterocarpus soyauxii</i>				1	19			20
<i>Pycnanthus angolensis</i>		6		1	32	2	1	42
<i>Quassia sanguinea</i>					4			4
<i>Quassia</i> sp.						1	1	2
<i>Rauvolfia caffra</i>					9			9
<i>Rauvolfia</i> sp.					1			1
<i>Rauvolfia vomitoria</i>					10			10
<i>Renealmia</i> sp.	1							1
<i>Rhabdophyllum affine</i>	1							1
<i>Rhaphiostylis beninensis</i>					1			1
<i>Rhaphiostylis</i> sp.					1			1
<i>Ricinodendron heudelotii</i>		4	4		17	20		45
<i>Rinorea dentata</i>	1							1

<i>Rothmannia lujae</i>					3			3
<i>Rothmannia sp.1</i>					5			5
<i>Rothmannia sp.2</i>					1			1
<i>Sapium sp.</i>	1				1			2
<i>Sesbania sp.</i>	1							1
<i>Sida corymbosa</i>	1							1
<i>Smilax kraussiana</i>	1							1
<i>Solamestemum latifolius</i>	1							1
<i>Sorindeia grandifolia</i>	1		1		119			121
<i>Sorindeia sp.</i>					1			1
<i>Spathodea campanulata</i>		5			2	8	1	16
<i>Spondianthus preussii</i>				7	101	2		110
<i>Sterculia tragacantha</i>	1	4	2		18	10	1	36
<i>Stereospermum kunthianum</i>			1				4	5
<i>Strombosia grandifolia</i>	1							1
<i>Strychnos chrysophylla</i>				1				1
<i>Strychnos sp.2</i>					1			1
<i>Strychnos sp.3</i>			2					2
<i>Strychnos spinosa</i>	1							1
<i>Symphonia globulifera</i>					1			1
<i>Syzygium guineense</i>		10	92				1	103
<i>Syzygium guineensis</i>					1			1
<i>Tamarindus indica</i>	1							1
<i>Tephrosia barbiger</i>	1							1
<i>Terminalia glaucescens</i>	1	7	180	1	2	4	81	276
<i>Tetracera sp.</i>	1							1

<i>Trema orientalis</i>		1	1		14	12		28
<i>Trichilia rubescens</i>					2	1		3
<i>Trichilia</i> sp.			2					2
<i>Trilepisium madagascariense</i>					6			6
<i>Uapaca guineensis</i> var. <i>guineensis</i>					23			23
<i>Uapaca paludosa</i>		1	1		57	2		61
<i>Uapaca togoensis</i>		113	107	20	13		3	256
<i>Uvaria</i> sp.	1							1
<i>Vitex cf simplicifolia</i>		2						2
<i>Vitex doniana</i>	1	13	45	9	6	1	14	89
<i>Vitex grandifolia</i>					3			3
<i>Vitex rivularis</i>				1	1			2
<i>Vitex thyrsofolia</i>	1							1
<i>Voacanga africana</i>					1			1
<i>Xylopia</i> sp.	1							1
Grand Total	90	323	2026	144	1865	301	892	5641

Table 13: Species Distribution across different Habitat types in the Kimbi Fungom National Park

Species	Observational Data	Flat Dry	Plateau	Slope	Swamp	Total
? ?	1	19		49		69
<i>Acanthus montanus</i>	1					1
<i>Adenia</i> sp.				1		1
<i>Adenia</i> sp.1	1					1
<i>Aframomum daniellii</i>	1					1
<i>Afzelia africana</i>		4		4		8
<i>Afzelia bipindensis</i>	1					1
<i>Aidia genipiflora</i>		1		1		2
<i>Aidia</i> sp.		1				1
<i>Albizia adianthifolia</i>	1	5		3	5	14
<i>Albizia</i> sp.			1	1		2
<i>Albizia zygia</i>	1	17	1	9	15	43
<i>Alchornea cordifolia</i>		5				5
<i>Allophyllus bullatus</i>		17	1	9		27
<i>Alstonia boonei</i>	1	1		1	1	4
<i>Amaranthus</i> sp.	1					1
<i>Ancistrorhynchus serratus</i>	1					1
<i>Angylocalyx</i> sp.				3		3
<i>Annona senegalensis</i>	1	33	11	27		72
<i>Anthocleista djalonensis</i>		5		2	9	16
<i>Anthonotha macrophylla</i>	1	14	1	7	7	30
<i>Antiaris toxicarea</i>			1	4		5
<i>Antiaris toxicaria</i>		2			4	6
<i>Antidesma</i> sp.		1		3	1	5
<i>Asparagus flagellaris</i>	1					1
<i>Asystasia decipiens</i>	1					1
<i>Baphia buettneri</i>	2	5	2	8	2	19
<i>Baphia</i> sp.		1		1		2
<i>Barteria fistulosa</i>		2				2
<i>Beilschmiedia anacardioides</i>		1		3		4
<i>Beilschmiedia</i> sp.		1				1
<i>Bombax buenopozense</i>		12	5	11	8	36
<i>Brachystegia eurycoma</i>	1	34	2	38	4	79
<i>Brachystegia</i> sp.				3		3
<i>Bridelia ferruginea</i>	2	5		2		9

<i>Bridelia grandis</i>		3	2	5
<i>Bridelia micrantha</i>	1			1
<i>Bridelia scleroneura</i>		60	3	14
<i>Bridelia sp.</i>		1		3
<i>Campylospermum excavatum</i>	1			1
<i>Campylospermum flavum</i>	1			1
<i>Campylospermum sp.</i>		2		2
<i>Canarium schweinfurthii</i>		10	2	5
<i>Cassia arereh</i>		5		5
<i>Cassipourea sp.</i>		2	1	2
<i>Celtis philippensis</i>		3	2	2
<i>Chromolaena odorata</i>	1			1
<i>Clausena anisata</i>	1			1
<i>Cleistopholis patens</i>		3		1
<i>Cleistopholis sp.</i>				2
<i>Cleistopholis staudtii</i>		3		3
<i>Cnestis ferruginea</i>				1
<i>Coffea sp.</i>		1		1
<i>Cola caricaefolia</i>		23	7	69
<i>Cola sp.</i>		7		7
<i>Cola sp.2</i>		1		1
<i>Combretum sp.</i>		3	2	18
<i>Connarus griffonianus</i>	1			1
<i>Connarus sp.</i>		1		1
<i>Costus spectabilis</i>	1			1
<i>Craterispermum laurinum</i>		18	2	26
<i>Crescentia cujute</i>	1			1
<i>Crossopteryx febrifuga</i>		276	25	17
<i>Crotalaria macrocalyx</i>	1			1
<i>Cussonia barteri</i>		17	2	94
<i>Dacryodes sp.</i>				1
<i>Dalbergia saxatilis</i>				1
<i>Dalbergia sp.</i>	1			1
<i>Daniellia oliveri</i>		50	26	111
<i>Desmodium velutinum</i>	1			1
<i>Dialium sp.</i>		3	2	12
<i>Dialium zenkeri</i>	1			1
<i>Dicranolepis disticha</i>	1			4

<i>Dictyophleba</i> sp.		3		3		6
<i>Diospyros</i> sp.	1	1		1		3
<i>Dissotis brazzae</i>	1					1
<i>Dracaena surculosa</i>	1					1
<i>Elaeis guineensis</i>		19	7	19	4	49
<i>Englerophytum</i> sp.				1		1
<i>Ensete livingstonianum</i>	1					1
<i>Entada abyssinica</i>	1	77	2	79		159
<i>Entada gigas</i>		2		1		3
<i>Entandrophragma angolense</i>		15	2	12		29
<i>Entandrophragma candollei</i>		15	1	28		44
<i>Erythrina senegalensis</i>			1			1
<i>Erythrophleum ivorense</i>		10		2		12
<i>Erythrophleum suaveolens</i>		23	2	28		53
<i>Ficus bubu</i>		2				2
<i>Ficus craterostoma</i>	1					1
<i>Ficus exasperata</i>		4		7	1	12
<i>Ficus mucuso</i>		3				3
<i>Ficus</i> sp.1		33	1	4		38
<i>Ficus</i> sp.10		4				4
<i>Ficus</i> sp.2		2	11	5	6	24
<i>Ficus</i> sp.3		1				1
<i>Ficus</i> sp.4		1				1
<i>Ficus</i> sp.5		2				2
<i>Ficus</i> sp.6		1				1
<i>Ficus</i> sp.7		4				4
<i>Ficus</i> sp.8		7		27		34
<i>Ficus</i> sp.9		3				3
<i>Ficus sur</i>		1	1	5		7
<i>Ficus vallis-choudae</i>		5		12		17
<i>Ficus vogeliana</i>	1	4	4		7	16
<i>Funtumia elastica</i>		6	3	13	1	23
<i>Garcinia</i> cf <i>barteri</i>	1					1
<i>Garcinia</i> cf <i>mannii</i>				1		1
<i>Garcinia epunctata</i>	1	4		10		15
<i>Gardenia lutea</i>	1					1
<i>Gloriosa simplex</i>	1					1
<i>Grewia flavescens</i>		2		3		5

<i>Grewia mollis</i>	1					1
<i>Habenaria longirostris</i>	1					1
<i>Hallea stipulosa</i>					43	43
<i>Harungana madagascariensis</i>		16	2	20	9	47
<i>Holarrhena floribunda</i>	1	8	4	2		15
<i>Homalium africanum</i>				2		2
<i>Hymenocardia acida</i>	1	146	53	115		315
<i>Irvingia grandifolia</i>	1		1			2
<i>Irvingia wombulu</i>		1	4	2		7
<i>Ixora sp.2</i>		2				2
<i>Ixora sp.3</i>		18	1	36		55
<i>Klainedoxa gabonensis</i>		1		1		2
<i>Klainedoxa sp.</i>				1		1
<i>Landolphia jumellei</i>		1				1
<i>Landolphia sp.</i>	1					1
<i>Lannea kerstingii</i>	1					1
<i>Lannea microcarpa</i>		10	2		1	13
<i>Lannea schimperi</i>		26		33		59
<i>Lannea sp.1</i>		1		1		2
<i>Lannea sp.2</i>		42	3	19	2	66
<i>Leea guineensis</i>	1	1	1	2		5
<i>Lippia africana</i>	1					1
<i>Lophira lanceolata</i>		122	12	78	1	213
<i>Macaranga monandra</i>		1		1	5	7
<i>Macaranga spinosa</i>					2	2
<i>Maesopsis eminii</i>		20	12	11		43
<i>Magnistipula butayei</i>			1			1
<i>Magnistipula butayei subsp. Balingembeaensis</i>		3				3
<i>Magnistipula cuneatifolia</i>	1					1
<i>Malacantha alnifolia</i>	1					1
<i>Mammea africana</i>		1		2		3
<i>Maranthes glabra</i>		147	21	103		271
<i>Margaritaria discoidea</i>	2	36	3	25	2	68
<i>Markhamia tomentosa</i>				2		2
<i>Marsdenia sp.</i>	1					1
<i>Megaphrynium macrostachyum</i>	1					1
<i>Milicia excelsa</i>		7		3		10
<i>Mimusops fragrans</i>		19	1	68	1	89

<i>Monodora</i> sp.1				4		4
<i>Monodora</i> sp.2		1		1		2
<i>Morelia senegalensis</i>		3		9		12
<i>Musanga cecropioides</i>				2		2
<i>Myrianthus arboreus</i>				1		1
<i>Napoleonaea</i> sp.1		25	1	13		39
<i>Nauclea latifolia</i>	1	207	13	94		315
<i>Neoboutonia velutina</i>	1	1		5		7
<i>Newbouldia laevis</i>		17	1	18		36
<i>Ochna afzelii</i>		1	1	13		15
<i>Ochna</i> sp.		1				1
<i>Olex subscorpioidea</i>	1	9		6		16
<i>Oxyanthus pallidus</i>		2		1		3
<i>Pandanus candelabrum</i>		1			5	6
<i>Parinari curatellifolia</i>			15			15
<i>Parinari</i> sp.1		1				1
<i>Parkia africana</i>		15		4	8	27
<i>Parkia filicoidea</i>		2		4		6
<i>Paullinia pinnata</i>	1					1
<i>Pavetta</i> sp.1		1	1	2		4
<i>Pavetta</i> sp.2		2				2
<i>Pavetta</i> sp.3			1			1
<i>Pentaclethra macrophylla</i>		4				4
<i>Pericopsis laxiflora</i>	1	11	1	32		45
<i>Phyllanthus muellerianus</i>	1					1
<i>Phyllanthus</i> sp.		2		7		9
<i>Piliostigma thonningii</i>		65	11	93		169
<i>Pittosporum viridiflorum</i>	1					1
<i>Polycias fulva</i>		6		12		18
<i>Polysphaeria</i> sp.		1		2		3
<i>Pouteria alnifolia</i>		1	1			2
<i>Protea madiensis</i>	1			3		4
<i>Prunus africana</i>	1					1
<i>Pseudospondias microcarpa</i>		38	12	51	4	105
<i>Psorospermum febrifugum</i>		9	3	24		36
<i>Psorospermum glaucum</i>	1	1				2
<i>Psorospermum</i> sp.	1					1
<i>Psorospermum</i> sp.3	1					1

<i>Psorospermum</i> sp.4				1		1
<i>Psychotria</i> sp.1	6	1	11	3		21
<i>Pterocarpus erinaceus</i>	2					2
<i>Pterocarpus osun</i>	1	1	5			7
<i>Pterocarpus soyauxii</i>	5	1	14			20
<i>Pycnanthus angolensis</i>	28	3	8	3		42
<i>Quassia sanguinea</i>	1	1	2			4
<i>Quassia</i> sp.	2					2
<i>Rauvolfia caffra</i>	4		5			9
<i>Rauvolfia</i> sp.	1					1
<i>Rauvolfia vomitoria</i>	5		5			10
<i>Renealmia</i> sp.	1					1
<i>Rhabdophyllum affine</i>	1					1
<i>Rhaphiostylis beninensis</i>	1					1
<i>Rhaphiostylis</i> sp.		1				1
<i>Riciodendron heudelotii</i>	18	3	13	11		45
<i>Rinorea dentata</i>	1					1
<i>Rothmannia lujae</i>	1	1	1			3
<i>Rothmannia</i> sp.1	1	2	2			5
<i>Rothmannia</i> sp.2	1					1
<i>Sapium</i> sp.	1	1				2
<i>Sesbania</i> sp.	1					1
<i>Sida corymbosa</i>	1					1
<i>Smilax kraussiana</i>	1					1
<i>Solamestemum latifolius</i>	1					1
<i>Sorindeia grandifolia</i>	1	31	16	72	1	121
<i>Sorindeia</i> sp.				1		1
<i>Spathodea campanulata</i>	2		6	8		16
<i>Spondianthus preussii</i>	41	15	53	1		110
<i>Sterculia tragacantha</i>	1	12	1	12	10	36
<i>Stereospermum kunthianum</i>		4		1		5
<i>Strombosia grandifolia</i>	1					1
<i>Strychnos chrysophylla</i>				1		1
<i>Strychnos</i> sp.2				1		1
<i>Strychnos</i> sp.3			2			2
<i>Strychnos spinosa</i>	1					1
<i>Symphonia globulifera</i>		1				1
<i>Syzygium guineense</i>	12	1	90			103

<i>Syzyguim guineensis</i>		1				1
<i>Tamarindus indica</i>	1					1
<i>Tephrosia barbigera</i>	1					1
<i>Terminalia glaucescens</i>	1	165	15	95		276
<i>Tetracera</i> sp.	1					1
<i>Trema orientalis</i>		5		14	9	28
<i>Trichilia rubescens</i>		3				3
<i>Trichilia</i> sp.			2			2
<i>Trilepisium madagascariense</i>		5		1		6
<i>Uapaca guineensis</i> var. <i>guineensis</i>		12		11		23
<i>Uapaca paludosa</i>		24	7	28	2	61
<i>Uapaca togoensis</i>		42	19	195		256
<i>Uvaria</i> sp.	1					1
<i>Vitex</i> cf <i>simplicifolia</i>				2		2
<i>Vitex doniana</i>	1	42	7	38	1	89
<i>Vitex grandifolia</i>				3		3
<i>Vitex rivularis</i>				2		2
<i>Vitex thyrsoifolia</i>	1					1
<i>Voacanga africana</i>				1		1
<i>Xylopia</i> sp.	1					1
Grand Total	90	2465	418	2459	209	5641

Table 14: Stem and Tree Density across Plots and vegetation types

Plots	Vegetation Type	Stem Density +		
		Observational Data	Stem Density	Tree Density
26	Primary Forest	525	525	505
27	Primary Forest	444	444	437
28	Primary Forest	446	446	428
29	Grassland Savanna	113		
29	Mixed Vegetation	107	389	365
29	Primary Forest	169		
30	Grassland Savanna	65		
30	Primary Forest	195	260	236
31	Gallery Forest	52		
31	Grassland Savanna	188	355	320
31	Secondary Forest	115		
32	Gallery Forest	64		
32	Grassland Savanna	153	388	334
32	Secondary Forest	171		
33	Gallery Forest	25		
33	Mixed Vegetation	6	255	194
33	Woody Savanna	224		
34	Gallery Forest	32		
34	Mixed Vegetation	20	321	253
34	Woody Savanna	269		

35	Primary Forest	25		
35	Woody Savanna	220	245	187
36	Gallery Forest	8		
36	Secondary Forest	15	202	157
36	Woody Savanna	179		
37	Gallery Forest	72		
37	Grassland Savanna	217	289	244
38	Gallery Forest	24		
38	Grassland Savanna	275	299	291
39	Grassland Savanna	320	320	264
40	Gallery Forest	46		
40	Grassland Savanna	245	291	253
41	Grassland Savanna	211		
41	Mixed Vegetation	11	222	194
42	Grassland Savanna	239		
42	Primary Forest	61	300	251
Total		5641	5551	4913

Table 15. Preliminary Species list of the Kimbi Fungom National Park with IUCN and Endemic status, Stem occurrence and Basal Area

Family	Species	Frequency	IUCN Status	Endemic in Cameroon	Endemic in the Subregion	Endemic to Study Area	Basal Area (m/ha)
?	? ?	69					108.5267
Acanthaceae	<i>Acanthus montanus</i>	1	LC				0.0000
Passifloraceae	<i>Adenia</i> sp.	1					0.0139
Passifloraceae	<i>Adenia</i> sp.1	1					0.0000
Zingiberaceae	<i>Aframomum daniellii</i>	1	LC				0.0000
Fabaceae	<i>Afzelia africana</i>	8	VU				7.9083
Fabaceae	<i>Afzelia bipindensis</i>	1	VU				0.0000
Rubiaceae	<i>Aidia genipiflora</i>	2	LC				0.0707
Rubiaceae	<i>Aidia</i> sp.	1					0.0172
Fabaceae	<i>Albizia adianthifolia</i>	14	LC				6.6978
Fabaceae	<i>Albizia</i> sp.	2					0.0707
Fabaceae	<i>Albizia zygia</i>	43	LC				48.0169
Euphorbiaceae	<i>Alchornea cordifolia</i>	5	LC				0.5138
Sapindaceae	<i>Allophyllus bullatus</i>	27	VU	***			6.8825
Apocynaceae	<i>Alstonia boonei</i>	4	LC				0.3195
Amaranthaceae	<i>Amaranthus</i> sp.	1					0.0000
Orchidaceae	<i>Ancistrorhynchus serratus</i>	1	LC		**		0.0000
Fabaceae	<i>Angylocalyx</i> sp.	3					0.9865
Annonaceae	<i>Annona senegalensis</i>	72	LC				65.4208
Gentianaceae	<i>Anthocleista djalonensis</i>	16	LC				11.2877
Fabaceae	<i>Anthonotha macrophylla</i>	30	LC				13.6830
Moraceae	<i>Antiaris toxicaria</i>	11	LC				1.9128
Phyllanthaceae	<i>Antidesma</i> sp.	5					0.0973

Asparigaceae	<i>Asparagus flagellaris</i>	1	DD		0.0000
Acanthaceae	<i>Asystasia decipiens</i>	1	LC		0.0000
Fabaceae	<i>Baphia buettneri</i>	19	NT	**	7.2642
Fabaceae	<i>Baphia</i> sp.	2			0.1372
Passifloraceae	<i>Barteria fistulosa</i>	2	LC		0.0252
Lauraceae	<i>Beilschmiedia anacardioides</i>	4	DD		0.2409
Lauraceae	<i>Beilschmiedia</i> sp.	1			0.0572
Bombacaceae	<i>Bombax buenopozense</i>	36	LC		57.4526
Fabaceae	<i>Brachystegia eurycoma</i>	79	LC		1658.9663
Fabaceae	<i>Brachystegia</i> sp.	3			6.9197
Phyllanthaceae	<i>Bridelia ferruginea</i>	9	LC		0.7616
Phyllanthaceae	<i>Bridelia grandis</i>	5	LC		0.3256
Phyllanthaceae	<i>Bridelia micrantha</i>	1	LC		0.0000
Phyllanthaceae	<i>Bridelia scleroneura</i>	77	LC		87.8202
Phyllanthaceae	<i>Bridelia</i> sp.	4			0.3135
Ochnaceae	<i>Campylospermum excavatum</i>	1	LC		0.0000
Ochnaceae	<i>Campylospermum flavum</i>	1	LC		0.0000
Ochnaceae	<i>Campylospermum</i> sp.	4			0.0165
Burseraceae	<i>Canarium schweinfurthii</i>	17	LC		16.5240
Fabaceae	<i>Cassia arereh</i>	5	LC		0.4999
Rhizophoraceae	<i>Cassipourea</i> sp.	5			0.2550
Ulmaceae	<i>Celtis philippensis</i>	7	LC		1.0746
Asteraceae	<i>Chromolaena odorata</i>	1	LC		0.0000
Rutaceae	<i>Clausena anisata</i>	1	LC		0.0000
Annonaceae	<i>Cleistopholis patens</i>	4	LC		0.3235
Annonaceae	<i>Cleistopholis</i> sp.	2			0.3727
Annonaceae	<i>Cleistopholis staudtii</i>	3	NT	**	0.3902

Connaraceae	<i>Cnestis ferruginea</i>	1	LC	0.0002
Rubiaceae	<i>Coffea</i> sp.	1		0.0026
Malvaceae	<i>Cola caricaefolia</i>	100		118.8592
Malvaceae	<i>Cola</i> sp.	7		2.9942
Malvaceae	<i>Cola</i> sp.2	1		0.0289
Combretaceae	<i>Combretum</i> sp.	23		12.9651
Connaraceae	<i>Connarus griffonianus</i>	1	LC	0.0000
Connaraceae	<i>Connarus</i> sp.	1		0.0002
Costaceae	<i>Costus spectabilis</i>	1	LC	0.0000
Rubiaceae	<i>Craterispermum laurinum</i>	46		22.0507
Bignoniaceae	<i>Crescentia cujute</i>	1	LC	0.0000
Rubiaceae	<i>Crossopteryx febrifuga</i>	318	LC	2448.5020
Fabaceae	<i>Crotalaria macrocalyx</i>	1	LC	0.0000
Araliaceae	<i>Cussonia barteri</i>	113	LC	377.1474
Burseraceae	<i>Dacryodes</i> sp.	1		0.0165
Fabaceae	<i>Dalbergia saxatilis</i>	1	LC	0.0002
Fabaceae	<i>Dalbergia</i> sp.	1		0.0000
Fabaceae	<i>Daniellia oliveri</i>	187	LC	2303.8355
Fabaceae	<i>Desmodium velutinum</i>	1	LC	0.0000
Fabaceae	<i>Dialium</i> sp.	17		9.5395
Fabaceae	<i>Dialium zenkeri</i>	1	LC	0.0000
Thymelaeaceae	<i>Dicranolepis disticha</i>	5	LC	0.0025
Apocynaceae	<i>Dictyophleba</i> sp.	6		0.9918
Ebenaceae	<i>Diospyros</i> sp.	3		0.0193
Melastomataceae	<i>Dissotis brazzae</i>	1	LC	0.0000
Dracaenaceae	<i>Dracaena surculosa</i>	1	LC	0.0000
Arecaceae	<i>Elaeis guineensis</i>	49	LC	237.6120

Sapotaceae	<i>Englerophytum</i> sp.	1		0.0238
Musaceae	<i>Ensete livingstonianum</i>	1	LC	0.0000
Fabaceae	<i>Entada abyssinica</i>	159	LC	683.8412
Fabaceae	<i>Entada gigas</i>	3	LC	0.1839
Meliaceae	<i>Entandrophragma angolense</i>	29	VU	37.5365
Meliaceae	<i>Entandrophragma candollei</i>	44	LC	23.1030
Fabaceae	<i>Erythrina senegalensis</i>	1	LC	0.0113
Fabaceae	<i>Erythrophleum ivorense</i>	12	LC	18.2374
Fabaceae	<i>Erythrophleum suaveolens</i>	53	LC	282.5504
Moraceae	<i>Ficus bubu</i>	2	LC	0.2533
Moraceae	<i>Ficus craterostoma</i>	1	LC	0.0000
Moraceae	<i>Ficus exasperata</i>	12	LC	2.5040
Moraceae	<i>Ficus mucuso</i>	3	LC	1.1915
Moraceae	<i>Ficus</i> sp.1	38		29.4594
Moraceae	<i>Ficus</i> sp.10	4		0.8787
Moraceae	<i>Ficus</i> sp.2	24		9.4739
Moraceae	<i>Ficus</i> sp.3	1		0.0196
Moraceae	<i>Ficus</i> sp.4	1		0.0161
Moraceae	<i>Ficus</i> sp.5	2		0.0415
Moraceae	<i>Ficus</i> sp.6	1		0.4126
Moraceae	<i>Ficus</i> sp.7	4		0.2542
Moraceae	<i>Ficus</i> sp.8	34		29.4594
Moraceae	<i>Ficus</i> sp.9	3		3.0064
Moraceae	<i>Ficus sur</i>	7	LC	1.0436
Moraceae	<i>Ficus vallis-choudae</i>	17	LC	6.4975
Moraceae	<i>Ficus vogeliana</i>	16	LC	2.7982
Apocynaceae	<i>Funtumia elastica</i>	23	LC	18.6637

Clusiaceae	<i>Garcinia cf barteri</i>	1		0.0000
Clusiaceae	<i>Garcinia cf mannii</i>	1	LC	0.0093
Clusiaceae	<i>Garcinia epunctata</i>	15	LC	2.9575
Rubiaceae	<i>Gardenia lutea</i>	1		0.0000
Colchicaceae	<i>Gloriosa simplex</i>	1	LC	0.0000
Malvaceae	<i>Grewia flavescens</i>	5	LC	0.2969
Malvaceae	<i>Grewia mollis</i>	1	LC	0.0000
Orchidaceae	<i>Habenaria longirostris</i>	1		0.0000
Rubiaceae	<i>Hallea stipulosa</i>	43	VU	33.7299
Hypericaceae	<i>Harungana madagascariensis</i>	47	LC	49.0911
Apocynaceae	<i>Holarrhena floribunda</i>	15	LC	10.1284
Salicaceae	<i>Homalium africanum</i>	2	LC	0.2114
Phyllanthaceae	<i>Hymenocardia acida</i>	315	LC	1250.1037
Irvingiaceae	<i>Irvingia grandifolia</i>	2	LC	0.0323
Irvingiaceae	<i>Irvingia wombulu</i>	7	LC	2.4956
Rubiaceae	<i>Ixora sp.2</i>	2		0.1661
Rubiaceae	<i>Ixora sp.3</i>	55		26.4347
Irvingiaceae	<i>Klainedoxa gabonensis</i>	2	LC	0.1862
Irvingiaceae	<i>Klainedoxa sp.</i>	1		0.0902
Apocynaceae	<i>Landolphia jumellei</i>	1	NT	0.0531
Apocynaceae	<i>Landolphia sp.</i>	1		0.0000
Anacardiaceae	<i>Lannea kerstingii</i>	1	LC	0.0000
Anacardiaceae	<i>Lannea microcarpa</i>	13	LC	9.9544
Anacardiaceae	<i>Lannea schimperi</i>	59	LC	109.9528
Anacardiaceae	<i>Lannea sp.1</i>	2		0.0426
Anacardiaceae	<i>Lannea sp.2</i>	66		136.4884
Leeaceae	<i>Leea guineensis</i>	5	LC	0.0077

Lamiaceae	<i>Lippia africana</i>	1	LC		0.0000
Ochnaceae	<i>Lophira lanceolata</i>	213	LC		1706.3577
Phyllanthaceae	<i>Macaranga monandra</i>	7	LC		0.6024
Phyllanthaceae	<i>Macaranga spinosa</i>	2	LC		0.1485
Rhamnaceae	<i>Maesopsis eminii</i>	43	LC		55.4820
Chrysobalanaceae	<i>Magnistipula butayei</i>	1	LC		0.0158
Chrysobalanaceae	<i>Magnistipula butayei subsp. Balingembeaensis</i>	3	CR	***	0.7235
Chrysobalanaceae	<i>Magnistipula cuneatifolia</i>	1	EN	**	0.0000
Sapotaceae	<i>Malacantha alnifolia</i>	1			0.0000
Clusiaceae	<i>Mammea africana</i>	3	LC		0.1824
Chrysobalanaceae	<i>Maranthes glabra</i>	271	LC		4680.1714
Phyllanthaceae	<i>Margaritaria discoidea</i>	68	LC		120.9743
Bignoniaceae	<i>Markhamia tomentosa</i>	2	LC		0.1786
Asclepiadaceae	<i>Marsdenia sp.</i>	1			0.0000
Maranthaceae	<i>Megaphrynium macrostachyum</i>	1	LC		0.0000
Moraceae	<i>Milicia excelsa</i>	10	LC		1.8448
Sapotaceae	<i>Mimusops fragrans</i>	89			187.2117
Annonaceae	<i>Monodora sp.1</i>	4			0.1057
Annonaceae	<i>Monodora sp.2</i>	2			0.0380
Rubiaceae	<i>Morelia senegalensis</i>	12	LC		3.6084
Cecropiaceae	<i>Musanga cecropioides</i>	2	LC		0.0589
Cecropiaceae	<i>Myrianthus arboreus</i>	1	LC		0.0397
Lecythidaceae	<i>Napoleonaea sp.1</i>	39			6.4525
Rubiaceae	<i>Nauclea latifolia</i>	315	LC		1595.5651
Euphorbiaceae	<i>Neoboutonia velutina</i>	7			0.5201
Bignoniaceae	<i>Newbouldia laevis</i>	36	LC		24.0494

Ochnaceae	<i>Ochna afzelii</i>	15	LC	4.6506
Ochnaceae	<i>Ochna</i> sp.	1		0.0177
Olacaceae	<i>Olax subscorpioidea</i>	16	LC	1.7615
Rubiaceae	<i>Oxyanthus pallidus</i>	3	LC	0.0027
Pandanaceae	<i>Pandanus candelabrum</i>	6	LC	1.1992
Chrysobalanaceae	<i>Parinari curatellifolia</i>	15		6.6064
Chrysobalanaceae	<i>Parinari</i> sp.1	1		0.1576
Fabaceae	<i>Parkia africana</i>	27	LC	29.8647
Fabaceae	<i>Parkia filicoidea</i>	6	LC	0.1908
Sapindaceae	<i>Paullinia pinnata</i>	1	LC	0.0000
Rubiaceae	<i>Pavetta</i> sp.1	4		0.1697
Rubiaceae	<i>Pavetta</i> sp.2	2		0.0005
Rubiaceae	<i>Pavetta</i> sp.3	1		0.0011
Fabaceae	<i>Pentaclethra macrophylla</i>	4	LC	0.4887
Fabaceae	<i>Pericopsis laxiflora</i>	45	LC	130.1867
Phyllanthaceae	<i>Phyllanthus muellerianus</i>	1	LC	0.0000
Phyllanthaceae	<i>Phyllanthus</i> sp.	9		1.0418
Fabaceae	<i>Piliostigma thonningii</i>	169	LC	476.4033
Pittosporaceae	<i>Pittosporum viridiflorum</i>	1	LC	0.0000
Araliaceae	<i>Polycias fulva</i>	18	NT	10.5443
Rubiaceae	<i>Polysphaeria</i> sp.	3		0.0050
Sapotaceae	<i>Pouteria alnifolia</i>	2	LC	0.0620
Proteaceae	<i>Protea madiensis</i>	4	LC	0.0059
Rosaceae	<i>Prunus africana</i>	1	NT	0.0000
Anacardiaceae	<i>Pseudospondias microcarpa</i>	105	LC	802.8857
Hypericaceae	<i>Psorospermum febrifugum</i>	36	LC	22.1840
Hypericaceae	<i>Psorospermum glaucum</i>	2	LC	0.0095

Hypericaceae	<i>Psorospermum</i> sp.	1		0.0000
Hypericaceae	<i>Psorospermum</i> sp.3	1		0.0000
Hypericaceae	<i>Psorospermum</i> sp.4	1		0.0141
Rubiaceae	<i>Psychotria</i> sp.1	21		0.3399
Fabaceae	<i>Pterocarpus erinaceus</i>	2	LC	0.0376
Fabaceae	<i>Pterocarpus osun</i>	7	LC	0.9918
Fabaceae	<i>Pterocarpus soyauxii</i>	20	LC	5.7821
Myristicaceae	<i>Pycnanthus angolensis</i>	42	LC	154.6964
Simaroubaceae	<i>Quassia sanguinea</i>	4	VU	** 2.1631
Simaroubaceae	<i>Quassia</i> sp.	2		0.2969
Apocynaceae	<i>Rauvolfia caffra</i>	9	LC	0.8688
Apocynaceae	<i>Rauvolfia</i> sp.	1		0.0165
Apocynaceae	<i>Rauvolfia vomitoria</i>	10	LC	0.8055
Zingiberaceae	<i>Renealmia</i> sp.	1		0.0000
Ochnaceae	<i>Rhabdophyllum affine</i>	1	LC	0.0000
Icacinaceae	<i>Rhaphiostylis beninensis</i>	1	LC	0.0243
Icacinaceae	<i>Rhaphiostylis</i> sp.	1		0.0133
Euphorbiaceae	<i>Ricinodendron heudelotii</i>	45	LC	200.3325
Violaceae	<i>Rinorea dentata</i>	1	LC	0.0000
Rubiaceae	<i>Rothmannia lujae</i>	3	LC	0.0027
Rubiaceae	<i>Rothmannia</i> sp.1	5		0.0834
Rubiaceae	<i>Rothmannia</i> sp.2	1		0.0002
Euphorbiaceae	<i>Sapium</i> sp.	2		0.0656
Fabaceae	<i>Sesbania</i> sp.	1		0.0000
Malvaceae	<i>Sida corymbosa</i>	1		0.0000
Smilacaceae	<i>Smilax kraussiana</i>	1		0.0000
Lamiaceae	<i>Solamestemum latifolius</i>	1		0.0000

Anacardiaceae	<i>Sorindeia grandifolia</i>	121	LC	149.2355
Anacardiaceae	<i>Sorindeia</i> sp.	1		0.0013
Bignoniaceae	<i>Spathodea campanulata</i>	16	LC	7.8387
Euphorbiaceae	<i>Spondianthus preussii</i>	110	LC	241.8371
Malvaceae	<i>Sterculia tragacantha</i>	36	LC	21.1123
Bignoniaceae	<i>Stereospermum kunthianum</i>	5	LC	0.4986
Olacaceae	<i>Strombosia grandifolia</i>	1	LC	0.0000
Loganiaceae	<i>Strychnos chrysophylla</i>	1	LC	0.0181
Loganiaceae	<i>Strychnos</i> sp.2	1		0.0113
Loganiaceae	<i>Strychnos</i> sp.3	2		0.0423
Loganiaceae	<i>Strychnos spinosa</i>	1	LC	0.0000
Clusiaceae	<i>Symphonia globulifera</i>	1	LC	0.0104
Myrtaceae	<i>Syzygium guineense</i>	104	LC	330.8947
Fabaceae	<i>Tamarindus indica</i>	1		0.0000
Fabaceae	<i>Tephrosia barbiger</i>	1		0.0000
Combretaceae	<i>Terminalia glaucescens</i>	276	LC	2211.5602
Dilleniaceae	<i>Tetracera</i> sp.	1		0.0000
Ulmaceae	<i>Trema orientalis</i>	28	LC	9.2516
Meliaceae	<i>Trichilia rubescens</i>	3	LC	0.0333
Meliaceae	<i>Trichilia</i> sp.	2		0.0464
Moraceae	<i>Trilepisium madagascariense</i>	6	LC	1.0764
Phyllanthaceae	<i>Uapaca guineensis</i> var. <i>guineensis</i>	23	LC	47.3927
Phyllanthaceae	<i>Uapaca paludosa</i>	61	LC	165.6615
Phyllanthaceae	<i>Uapaca togoensis</i>	256	LC	2605.9792
Annonaceae	<i>Uvaria</i> sp.	1		0.0000
Lamiaceae	<i>Vitex cf simplicifolia</i>	2		0.0460

Lamiaceae	<i>Vitex doniana</i>	89	LC	312.4006
Lamiaceae	<i>Vitex grandifolia</i>	3	LC	0.3296
Lamiaceae	<i>Vitex rivularis</i>	2	LC	0.0702
Lamiaceae	<i>Vitex thyrsofolia</i>	1	LC	0.0000
Apocynaceae	<i>Voacanga africana</i>	1	LC	0.0415
Annonaceae	<i>Xylopi</i> sp.	1		0.0000

*** Endemic to Cameroon

** Endemic to the Subregion (Upper and/or Lower Guinean Forest)

*Endemic to Study area (Cameroon Mountains)

Basal Area = 0.0000 are species from observational data

2.11 Species Diversity and Distribution

In 17 ha, 5551 individual's trees were sampled. This gave 5152 trees with DBH \geq 10 cm, and 399 trees with DBH 1-9.9 cm. 43 individuals were lianas. 90 individuals in 86 species were sampled as observational data. Hence, total stems sampled were 5641 individual in 242 species. (Table 15). The 5551 records of plot data gave 186 species (Table 13 & 14). 68 species could not be identified to family and species level.

Patterns of endemism based on IUCN conservation status, categorized 141 species as least concerned, 2 species as data deficient, 13 species as vulnerable, and 86 species were not classified (Table 15).

Shannon diversity index gave a value of 4.51 with a species richness of 86%. Thus, the Kimbi Fungom forest though poor in species compare to the wet Rumpi Hills forest, has a high flora diversity and species richness.

Generally, in both protected area, 22,561 individual records were registered in 812 species. 307 records are still to be identified to family and species.

Thus our analysis shows that the lowland forest of Rumpi Hills is the highest in species diversity and richness with plots registering 40 to 178 species/ha and the Kimbi Fungom 26 to 83 species/ha.

The above species list was composed with the help of the works of Cable & Cheek (1998), Chapman (2004), Cheek et al. (2000 & 2004), Harvey et al. (2004 & 2010), Kenfack (2001), Marshall & Hawthorne (2013), Onana (2011a), Onana (2013b), Onana & Cheek (2011), Tchouto (2004), Thomas (1996), and Thomas et al. (2003).

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Annexes

Annex 1: Associates involved in this Study

Communities, government officials, field Assistants, and Scientist directly or indirectly involved in this study.

Government officials

Ngwana Edwin, Divisional Officer of Ekondo titi

Edward Egbe Forxah, Divisional Officer of Fungom

Mbah Grace, Regional Delegate of Forestry and Wildlife (MINFOF) Northwest Region, Bamenda

Fomiyam Christopher Njoh, Conservator, Kimbi Fungom National Park

Mpouop Ulrich, Chief of Forestry Post, Fungom subdivision

Community Officials

Chief Jonas Maliki Etongwe, Chief of Munyange village

Chief Sakwe Cyril, Chief of Dikome Balue village

Chief Okanyene Christopher Itoe, Chief of Matamani village

His Majesty Fon Kum-a-Ghuo II, Fon of Esu Fondom

Chief Omah Jama Lucas, Chief of Kpep (Benzeen) village

Mr. Kum Olivier Ngah, Chief council of Tunka-Esu

TroPEG Members and Field Staff

Saingé Nsanyi Moses, Principal Investigator of the Project/Botanist

Mambo Peter Ekole, Herbarium Manager/Botanist

Motto Moses Nekena, Field Assistant/Enumeration team

Momene Manfred Mero, Field Assistant/Survey team

Osang kwelle Anamani, Field Assistant/Enumeration team

Ekpoh Innocent Mottia, Field Assistant/Survey team

Joseph Mulango Nwese, Field Assistant/Survey Team

Nwese Rueben Ituka, Field Assistant/Botany team

Ngoe Monclaire Meriki, Field Assistant/Enumeration team

Notto Elangwe Hanns, Field cook

Okele Frederick Eleli, Assistant field cook

Mungwa Hanns Azeh, Data entry Technician, Buea

Benedicta Jailughe, Administrative/Financial Manager

Nasako Samuel Bonyeki, Field Assistant

Andu Dickson Motinaseh, Field Assistant

Mapong Lovett Gamua, Field Assistant

Jude Awah Ambe, Field Assistant

Community Field Assistants

Abel Etongwe Barori, Munyange village

Moni Collins Okpa, Munyange village

Mbongi Joseph, Dikome village
Mabia Kenneth, Dikome village
Sakwe Festus, Dikome village
Esoe Peter, Dikome village
Meboka William, Matamani village
Obassi Christopher, Matamani village
Itoe Joannes, Matamani village
Ndelle Stanley Osim, Matamani village
Ojong Daniel, Matamani village
Chawanu Clovis Itua, Matamani village
Ngundue Clovis Ngundue, Matamani village
Obri Saviour Njong, Matamani village
Motia Wilson Bekundaka, Matamani village
Iwatt Jong Arong, Matamani village
Mbamene Boris Ekwena, Matamani village
Besingi Innocent Edube, Matamani village
Bepuaka Ekuka, Matamani village
Itoe Philip, Porter, Matamani village
Ituka John, Porter, Matamani village
Nwese Johnson Meboka, Porter, Matamani village
Motale George, Porter, Matamani
Ekpoh Jacob, Porter, Matamani
Ojong Collins, Porter, Matamani village
Ernest Efamba, Porter Matamani village
Itoe Benjamin, Porter, Dikome Balue
Inyang Damian, Porter, Dikome Balue
Nidfor David, Porter, Dikome Balue
Kang Isabella Ngiy, Assistant Field cook, Kpep
Bako Michael Che, Kpep village
Aegah Polycarp Kaku, Kpep village
Kum George Bong, Esu village
Muh David, Kpep village
Akeba Jonathan, Kpep village
Galem Garvey, Kpep village
Kitema Michael, Kpep village
Elizabeth Ogah, Kpep village
Francis Chu Kenah, Esu village
Geh Meh, Esu village

Chauffeurs

Geraud Ngala, Matamani trip
Ngala Jackson, Matamani
Tah Christopher, Wum
Tandi Emmanuel, Kumba

Gildas Tetuh, Kumba
Kometa Raymond, Dikome Balue
Etongwe Donathus, Dikome Balue
Itoe Peter, Munyange
Amidou Hassan, Munyange

Identification of Plant Specimens at the National Herbarium of Cameroon, Yaounde

Sainge Nsanyi Moses, Botanist
Paul Mezili, Botanist
Ngoh Michael Lyonga, Botanist

Scientific advisers

Prof. Townsend A. Peterson, Biodiversity Institute, University of Kansas, USA
Dr. Felix Nchu, Cape Peninsula University of Technology, Cape Town, South Africa
Dr. David Kenfack, Center for Tropical Forest Sciences, Smithsonian Tropical Research Institution, USA.
Dr. Peguy Tchouto, Programme for the Sustainable Management of Natural Resources-South West Region (PSMNR-SWR), Cameroon

Annex 2: Sampled Plots in the Rumpi Hills Forest Reserve

Plot	Vegetation type	Site	Location	Latitude (N)	Longitude (E)	Elev. (m)
1	Lowland	Rumpi's (S)	Munyange	4.77215	8.99985	101
2	Lowland	Rumpi's (S)	Munyange	4.77216	9.00021	92
3	Lowland	Rumpi's (S)	Munyange	4.75155	9.02040	76
4	Lowland	Rumpi's (S)	Munyange	4.75123	9.02041	71
5	Lowland	Rumpi's (S)	Munyange	4.74761	9.03051	115
6	Lowland	Rumpi's (S)	Munyange	4.74753	9.03096	112
7	Lowland	Rumpi's (S)	Munyange	4.77739	9.02708	188
8	Lowland	Rumpi's (S)	Munyange	4.77698	9.02704	193
9	Submontane	Rumpi's (E)	Madie River	4.93624	9.23804	1344
10	Submontane	Rumpi's (E)	Madie River	4.93629	9.23756	1335
11	Montane	Rumpi's (E)	Mt Rata	4.88627	9.24261	1775
12	Montane	Rumpi's (E)	Mt Rata	4.88492	9.24065	1727
13	Degraded Submontane	Rumpi's (E)	Mt Rata	4.89046	9.24694	1422
14	Lowland	Rumpi's (N)	Matamani	4.98074	8.95476	287
15	Lowland	Rumpi's (N)	Matamani	4.98082	8.95439	277
16	Lowland	Rumpi's (N)	Matamani	4.98046	8.95698	280
17	Lowland	Rumpi's (N)	Matamani	4.98035	8.95739	296
18	Piedmont	Rumpi's (N)	Matamani	4.99087	9.00035	544
19	Piedmont	Rumpi's (N)	Matamani	4.99092	9.00071	530
20	Piedmont	Rumpi's (N)	Matamani	4.98980	9.00169	506
21	Piedmont	Rumpi's (N)	Matamani	4.98948	9.00170	509
22	Piedmont	Rumpi's (N)	Matamani	4.98868	8.99630	488
23	Piedmont	Rumpi's (N)	Matamani	4.98864	8.99590	496
24	Piedmont	Rumpi's (N)	Matamani	4.98956	8.99532	512
25	Piedmont	Rumpi's (N)	Matamani	4.98980	8.99527	536

Note: **S**= South of Rumpi Hills, **E**= East of Rumpi Hills, **N**= North of Rumpi Hill

Annex 3: Sample Plots at Kimbi Fungom National Park

Plot	Vegetation type	Site	Location	Latitude (N)	Longitude (S)	Elevation (m)
26	Lowland	KFNP	Kpep	6.79533	10.10048	481
27	Lowland	KFNP	Kpep	6.79533	10.10048	481
28	Lowland	KFNP	Kpep	6.79528	10.10029	474
29	Woody savanna/lowland	KFNP	Kpep	6.79339	10.09769	429
30	Woody savanna/Lowland	KFNP	Kpep	6.79359	10.09773	433
31	Woody savanna/Disturb forest	KFNP	Kpep	6.79267	10.10803	439
32	Woody savanna/Disturb forest	KFNP	Kpep	6.79267	10.10803	439
33	Woody savanna	KFNP	Kpep	6.79502	10.11571	396
34	Woody savanna	KFNP	Kpep	6.79484	10.11546	407
35	Woody savanna	KFNP	Kpep	6.79516	10.11585	410
36	Woody savanna	KFNP	Kpep	6.79534	10.11585	422
37	Woody savanna	KFNP	Tunka-Esu	6.73506	10.11741	898
38	Woody savanna	KFNP	Tunka-Esu	6.73506	10.11741	898
39	Woody savanna	KFNP	Tunka-Esu	6.73506	10.11741	898
40	Woody savanna	KFNP	Tunka-Esu	6.73394	10.11772	846
41	Woody savanna	KFNP	Tunka-Esu	6.73394	10.11772	846
42	Woody savanna	KFNP	Tunka-Esu	6.73394	10.11772	846

Annex 4a: Field events



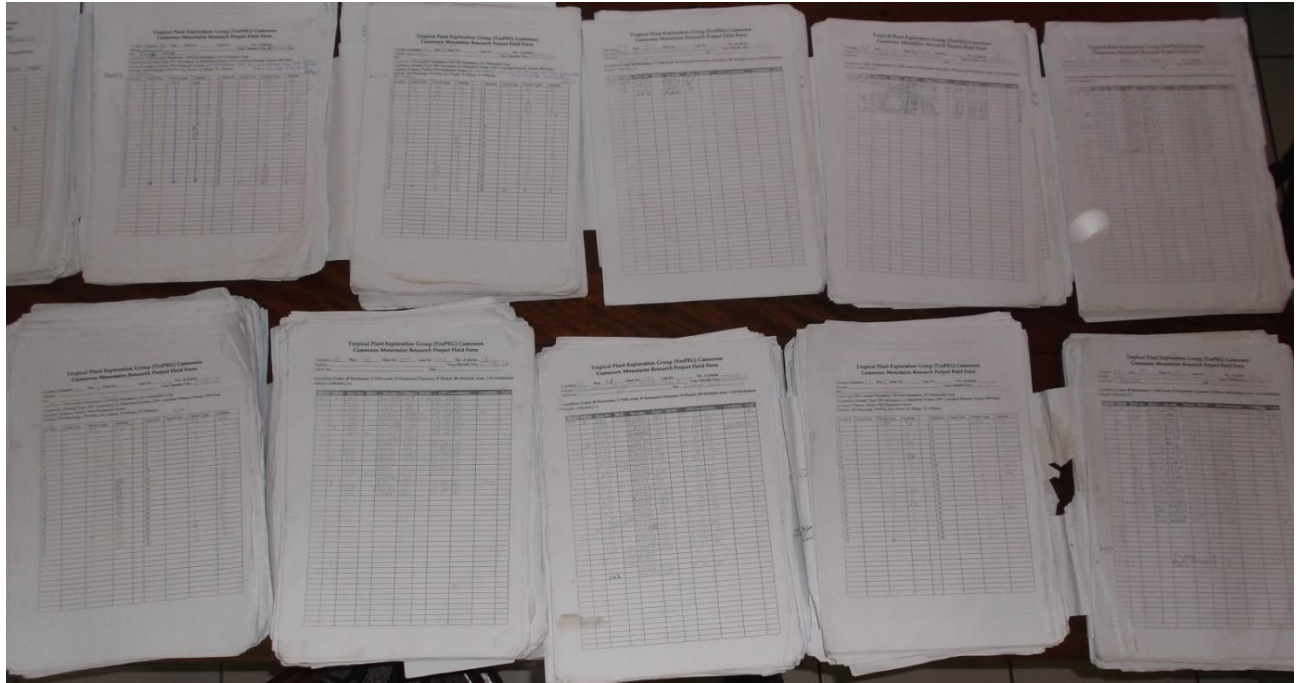
Annex 4b: Field events



Annex 4c: Field events



Annex 5: All Plot data



Annex 6: Plot Habitat data form

**Tropical Plant Exploration Group (TroPEG) Cameroon
Cameroon Mountains Research Project Field Form**

Transect Number 15 Plot 26 ²⁷ First No _____ Last No _____ No. of plants _____
 Names Sange, Mamba, Francis Year/Month/Day 25/09/15
 Site KPEP
 Land Use: CP=Current Plantation, OP=Old Plantation, PC=Perennial Crop
 Vegetation (Forest) Type: SF= Secondary or Disturbed Forest, LPF= Lowland Primary Forest, SPF=Sub-
 montane Primary Forest, PM=Piedmont Forest
 Habitat: SW=Swamps, FD=Flat Dry Forest, SL=Slope, PL=Plateau

Plot 27

Quadrat	Land Use	Forest type	Habitat	Quadrat	Land Use	Forest Type	Habitat
1	/	SPF	FD	1	/	SPF	SL
2	/			2	/		
3	/			3	/		
4	/			4	/	SF	FD
5	/		↓	5	/	↑	
6	/		SL	6	/	↓	
7	/			7	/	↓	
8	/			8	/		
9	/			9	/		
10	/			10	/		
11	/			11	/		SL
12	/		↓	12	/		
13	/			13	/		
14	/		↓	14	/		
15	/		FD	15	/		↓
16	/			16	/		↓
17	/			17	/		SW
18	/			18	/		SL
19	/			19	/		SL
20	/			20	/		SL
21	/			21	/		FD
22	/			22	/		
23	/		SL	23	/		
24	/	↓	↓	24	/	↓	
25	/		↓	25	/	↓	↓

Annex 7: Plot Main Data Form


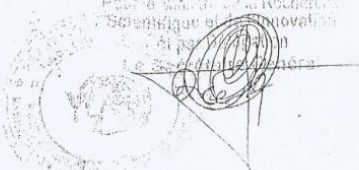
**Tropical Plant Exploration Group (TroPEG) Cameroon
Cameroon Mountains Research Project Field Form**

Transect 01 Plot 01 First No 001 Last No 024 No. of plants 24
 Names _____ Year/Month/Day 2011/02/17
 Land use Forest Site _____

Condition Codes: B=Buttresses; C=Stilt roots; E=Estimated Diameter; F=Fluted; M=Multiple stem; Coll=Herbarium sample collected y/n.

Plot	Tree No	Mult	Sp-code	Diam	POM	GPS Coordinates	Condition	Coll
A	001	STRPA	STPA	160	1.3			
	002	CHRYS	CHYS	357	1.5			✓
	003	KORSO	KOSO	187				
B	004	STRLE	STLE	220				
	005	RINDB	RINZ	220		11.52		✓
	006	KORSO	KOSO	220				
	007	WLGJ	WLGJ	220				
	008	RINDB	RINZ	170				
C	009	KORSO	KOSO	170				
	010	KORSO	KOSO	220				✓
	011	RINDB	RINZ	170				
	012	PARWA	PARW	170				
	013	TABCA	TACA	170				
D	014	PROST	PROT	400				
	015	STAGA	STGA	350				
	016	KORSO	KOSO	330				
	017	STRSC	STRS	300				
	018	CARPA	CAPA	300				
	019	KORSO	KOSO	170				
	020	SOYGA	SOGA	170				
	021	KORSO	KOSO	170				
	022	WAKJA	WAKJ	170				
	023	PARSO	PARS	170				
	024	MARA	MARA	170		10.11.22		✓
			Ambias		3			
			Plant. Bonny		4	✓		
			ARAZ		2	✓		


Annex 9: Permit from Ministry of Scientific Research and Innovation (MINRESI)

<p>REPUBLIQUE DU CAMEROUN Paix-Travail-Patrie</p> <p>MINISTÈRE DE LA RECHERCHE SCIENTIFIQUE ET DE L'INNOVATION</p> <p>SECRETARIAT GENERAL</p> <p>DIVISION POLITIQUES SCIENTIFIQUES ET DE LA PLANIFICATION</p> <p>CELLULE DE LA PROGRAMMATION ET DE LA PLANIFICATION</p> <p>B.P. 1457 Yaoundé – Cameroun Tél : (237) 22 22 13 34 ou 22 22 52 02</p>		<p>PUBLIC OF CAMEROON Peace-Work-Fatherland</p> <p>SCIENTIFIC RESEARCH AND INNOVATION</p> <p>GENERAL SECRETARIAT</p> <p>SCIENTIFIC POLICY AND PLANNING</p> <p>PROGRAMMING AND PLANNING UNIT</p> <p>PO Box 1457 Yaoundé Cameroon Tél : (237) 22 22 13 34 or 22 22 52 02</p>
<p>N° : 005 /MINRESI/B00/C00/C10/CI1</p>		<p>Yaoundé, le 06 FEB 2015</p>
<p>AUTORISATION DE RECHERCHE RESEARCH PERMIT</p>		
<p>Vu la Constitution ; <i>Mindful constitution ;</i></p> <p>Vu le décret n°2011/408 du 09 décembre 2011 portant organisation du Gouvernement ; <i>Mindful of decree n°2011/408 of 09 December 2011 organizing the Government;</i></p> <p>Vu le décret n°2011/410 du 09 décembre 2011 portant formation du Gouvernement ; <i>Mindful of decree n°2011/410 of 09 December 2011 appointing the members of the Government;</i></p> <p>Vu le décret n°2005/091 du 29 mars 2005 portant organisation du Ministère de la Recherche Scientifique et de l'Innovation ; <i>Mindful of decree n°2005/091 of 29 March 2005 organizing the Ministry of Scientific Research And innovation;</i></p> <p>Vu la demande de l'intéressé. <i>Considering the Applicant's request.</i></p>		
<p>Nom(s) et prénoms/ <i>Names</i> : SAINGE Nsanyi Moses</p>		
<p>Adresses Permanentes/ <i>Permanent address</i> : Tropical Plant Exploration Group (TroPEG) P.O. Box : 18 Mundemba, Ndian Division. Southwest Region Cameroon, email : sainge2001@yahoo.com, moscs.sainge@gmail.com.</p>		
<p>Adresse au Cameroun / <i>Address in Cameroon</i> : Dr FOKAM Eric Bertrand Enseignant-Chercheur Université de Buéa Département de Zoologie, B.P 63 Buéa Tel. 677920739, email : efokam@daad-alumni.de.</p>		
<p>Nationalité / <i>Nationality</i> : camerounaise</p>		
<p>Est autorisé (e) à effectuer des travaux de recherche en République du Cameroun dans la ou les Region(s) de : <i>Is hereby authorized to carry out scientific or technical research in the Republic of Cameroon in the Region of:</i> Sud-Ouest et Littoral</p>		
<p>Pour une période de / <i>For a period of</i> : 05 mois du / <i>from</i> : 30/01/2015 au / <i>to</i> : 30/06/2015</p>		
<p>En collaboration avec / <i>In collaboration with</i> : s/c Dr FOKAM Eric Bertrand Enseignant-Chercheur Université de Buéa Département de Zoologie, B.P 63 Buéa Tel. 677920739, email : efokam@daad-alumni.de.</p>		
<p>Objet de la Recherche/ <i>Research Title</i> : Biodiversity Patterns and Climate effects in the Cameroon Mountains.</p>		
<p>Cette autorisation de recherche n'est valable que pendant la période de recherche indiquée ci-dessus, et peut être renouvelable. <i>This research permit is valid only for the research period indicated above and it can renewed.</i></p>		
<p>AMPLIATION: CAB/MINRESI SGPRC SGPM MINDEF DGSN DGRE CRRI – Sud-Ouest et Littoral SG/MINRESI IG/MINRESI C/DPSP</p>		
		<p>Pour le Ministère de la Recherche Scientifique et de l'Innovation</p>  <p>Mme EBELLE TAME Rebecca M. M. M.</p>

Annex 10: Permit from Ministry of Forestry and Wildlife (MINFOF)

<p>REPUBLIQUE DU CAMEROUN Paix-Travail-Patrie</p> <p>MINISTRE DES FORETS ET DE LA FAUNE</p> <p>SECRETARIAT GENERAL</p> <p>DIRECTION DE LA FAUNE ET DES AIRES PROTEGEES</p>	 <p>BP : 34430 Yaoundé Tel : 222 23 92 28</p>	<p>REPUBLIC OF CAMEROON Peace-Work-Fatherland</p> <p>MINISTRY OF FORESTRY AND WILDLIFE</p> <p>SECRETARIAT GENERAL</p> <p>DEPARTMENT OF WILDLIFE AND PROTECTED AREAS</p>
<p>N° 15071 /L/MINFOF/SG/DFAP/SDVEF/SC/MBA Ref : V/L du 12 février 2015</p>		<p>Yaoundé, le 11 7 MARS 2015</p>
<p style="text-align: right;">LE MINISTRE</p> <p>A</p> <p>Monsieur Moses Nsanyi SAINGE TropPlant Exploration Group (TroPEG) POBox 18 Mundemba, Ndian Division, South-West Region Cameroon Email: saigne2001@yahoo.com Moses.saigne@gmail.com Cell.+237 677 92 07 39</p>		
<p>Objet : Demande d'une autorisation de recherche</p> <p>Monsieur,</p> <p>Comme suite à votre lettre susvisée, relative à l'objet repris en marge,</p> <p>J'ai l'honneur de vous marquer mon accord de principe pour mener vos travaux de recherche sur le thème : «<i>Biodiversity Patterns and climate effects in the Cameroon Mountains</i>» dans les écosystèmes de montagne des Régions du Sud-Ouest, du Nord-Ouest et du Littoral durant la période d'un (01) an à partir de la date de signature de la présente autorisation, dans les sites de Rumpi hills, Mont Nlonako et le Parc national de Kimbi-Fungom.</p> <p>Veuillez agréer, Monsieur, l'expression de ma considération distinguée.</p>		
<p><u>Copies</u> :</p> <p>DR MINFOF-SW DR MINFOF-LT DR MINFOF-NW</p>		
 <p>Ngole Philip Ngwese</p>		

Annex 11: Letter of Authorization from Fon of Esu

<p>REPUBLIC OF CAMEROON <i>Peace – Work – Fatherland</i></p> <p>MINISTRY OF TERRITORIAL ADMINISTRATION AND DECENTRALIZATION</p> <p>NORTH WEST REGION</p> <p>MENCHUM DIVISION</p> <p>FUNGOM SUB-DIVISION</p> <p>ROYAL PALACE, ESU FONDOM</p> <p>Tel: (237) 96 75 07 55 / 77 24 58 50</p>		<p>REPUBLIQUE DU CAMEROUN <i>Paix – Travail – Patrie</i></p> <p>MINISTERE DE L'ADMINISTRATION TERRITORIALE ET DECENTRALISATION</p> <p>REGION DU NORD OUEST</p> <p>DEPARTEMENT DE LA MENCHUM</p> <p>ARRONDISSEMENT DE FUNGOM</p> <p>CHEREFIE D'ESU</p> <p>Tel: (237) 96 75 07 55 / 77 24 58 50</p>
REF N°: _____		DATE: 22 SEPT 2015

To,


WHOM IT MAY CONCERN,

The bearers of this Note by Names:-

- 1 Forestry officer MEH KENNATH GEH,
- 2 SAINGE NSANYI MOSES,
- 3 DOMENE MANTZED,
- 4 OSENG KWELLE.

Are researchers authorised by the Minister of forestry and Wildlife to explore the KIMBI-FUNGOM NATIONAL PARK. They have officially presented themselves to this palace.

You are therefore call upon to assist them when and wherever the need arises. Thanks in advance for your understanding and Co-operation.



This Majesty For Kum-a-Chao II
Kawxu Albert
FON OF ESU