

Tree Species of Southwestern Cameroon:

Tree Distribution Maps, Diameter Tables, and Species Documentation of the 50-Hectare Korup Forest Dynamics Plot

D.W. Thomas, D. Kenfack, G.B. Chuyong, Sainge N. Moses, E.C. Losos, R.S. Condit, and N.C. Songwe

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Front cover: Liana flower of *Pararistolochia goldieana* by David Wilkie framed by six topographic maps of different tree species of the Korup Forest Dynamics Plot. Cover design by Elizabeth Losos and Marie Massa.

This volume is the second in the CTFS Stand Table Book Series, with the objective of providing standardized demographic and floristic data from the global network of Forest Dynamics Plots. Opinions expressed in the CTFS Stand Table Book Series are those of the authors and do not necessarily reflect those of the Smithsonian Institution or partner organizations.

This volume has been edited and laid out by Marie Massa using QuarkXPress Passport version 4.11.

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CECROPIACEAE32	OPILIACEAE
CHRYSOBALANACEAE34	PANDACEAE154
COMPOSITAE39	POLYGALACEAE
COMBRETACEAE	PASSIFLORACEAE
CONNARACEAE40	RHAMNACEAE
DICHAPETALACEAE41	RUBIACEAE
DRACAENACEAE42	RHIZOPHORACEAE157
EBENACEAE	RUTACEAE200
ERYTHROXYLACEAE51	SAPINDACEAE
EUPHORBIACEAE52	SAPOTACEAE214
FLACOURTIACEAE 70	SIMAROUBACEAE
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GELSEMIACEAE77	STERCULIACEAE222
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Korup Forest Dynamics Plot: Background and Rationale

The concept of the Korup Forest Dynamics Plot (KFDP) was originally developed by Drs. Duncan Thomas, Stephen Hubbell, and Nicholas Songwe in 1986 with the goal of cataloging, studying, and conserving the extensive biodiversity of Cameroon through the establishment of a Forest Dynamics Plot, at that time a new sampling protocol developed by Smithsonian scientists. Like other Forest Dynamics Plots scattered across the tropics, this plot would help reveal why tree species diversity is so high in tropical forests. In addition, a Forest Dynamics Plot in Korup National Park was initiated specifically to provide demographic tree information that would help in the development of sustainable harvesting strategies and the identification of habitat requirements for tree species of medicinal or other economic interest: to assess the total value of the standing crop of woody plants; and to gather information relevant for conservation and management of protected areas, that is, estimate population sizes of rare species within protected areas and the long-term sustainability of these populations.

With these goals in mind, the Center for Tropical Forest Science (CTFS) of the Smithsonian Tropical Research Institute, Bioresources Development and Conservation Programme-Cameroon, and Korup National Park began formulating a plan for the creation of a 50-hectare Korup Forest Dynamics Plot.

Link to Center for Tropical Forest Science

CTFS, a program within the Smithsonian Tropical Research Institute, coordinates a voluntary consortium of scientists, research institutions, forestry agencies, universities, and non-governmental organizations around the world, each actively involved with one or more Forest Dynamics Plots. As required by CTFS, all Forest Dynamics Plots follow a strict protocol in which every woody, free-standing tree or large shrub (hereafter referred to as

'tree') greater than 1 cm at diameter breast height (dbh) is measured, tagged, identified, mapped, and monitored within a large permanent plot (typically 50 ha in size). This intensive sampling methodology was first designed in 1980 for the forest of Barro Colorado Island, Panama, in an effort to monitor effectively that species-rich tropical forest. It has since been extended to 17 sites in 14 countries of Latin America, Asia, and Africa. The CTFS Network of plots now monitors more than three million trees of 6000 species - 10% of all known tropical tree species. Each of these large plots generates data that resolve critical basic ecological questions as well as forest management and conservation concerns, such as:

- Which biogeographic, climatic, edaphic, and disturbance characteristics account for differences in species composition, structure, and diversity across tropical forests?
- How do tropical forests maintain high levels of species diversity?
- How can that high diversity be maintained under conditions of human-use?
- What role do tropical forests play in stabilizing the planet's climate and atmosphere?
- How can forest resources, such as medicinal plants, be harvested sustainably?

In 1994, a grant was awarded by the International Cooperative Biodiversity Groups Program to Walter Reed Army Institute of Research, which allowed the KFDP concept to become a reality. The KFDP is now among the core CTFS Forest Dynamics Plot sites, which have been strategically located so that they encompass each of the tropic's major biogeographical regions as well as the center and extremes of several biophysical gradients rainfall seasonality, soil nutrient and topographic variation, and natural disturbance regimes. KFDP was selected because it is a protected forest, and contains a fine example of ancient forest developed on very infertile soils with high rainfall and strong seasonality (Figure 1). The actual site contains a range of landforms.

The Korup Forest Dynamics Plot, initiated in 1996, completed its first enumeration in 1999. During each dry season from 1997 to 1999, until the onset of torrential rain made fieldwork impossible, up to 30 people lived at

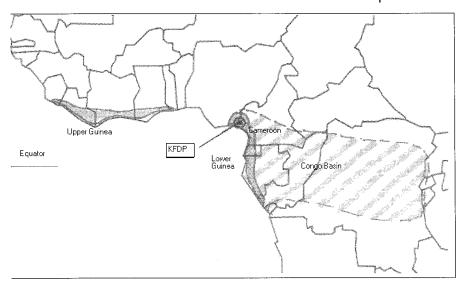


Figure 1. The shaded areas represent the Guineo-Congolian forests, which include the evergreen forests of Upper and Lower Guinea, and the mixed evergreen/semi-deciduous forests of the Congo Basin.

Chimpanzee Camp deep inside the Korup National Park and worked to document almost 330,000 individual trees and over 7,300 lianas.

Link to International Cooperative Biodiversity Groups

While all of the Forest Dynamics Plots within the CTFS network share a standardized methodology and address a shared set of questions of global interest, the driving questions that primarily motivate many of these plots are often local in nature. The Korup Forest Dynamics Plot is no exception. This plot is unique because of its focus on discovering and understanding the ecological properties of medicinal plants within tropical Cameroon as a means of conserving the rapidly disappearing African forests.

In the early 1990s, scientists at the division of Experimental Therapeutics of Walter Reed

Army Institute of Research and the Bioresources Development and Conservation Programme assembled a team of scientists and research institutions in the United States, Cameroon, and Nigeria to strategically use medicinal drug development as a catalyst for biodiversity conservation. Their underlying assumption was that a forest that contained

biodiversity elements of high value to local communities and to a nation would be conserved. The key objectives of their proposal were establish and maintain an inventory of species used in traditional medicine; collect, chemically analyze, and test plant samples for potential medicinal activity; identify lead compounds for the treatment of human diseases such as malaria, HIV, cancer, cystic fibrosis, and leisch-

maniasis; establish and maintain study plots for long-term assessment of rainforest ecological dynamics; conduct economic value assessment of major species in the host countries; and train scientists and technicians in Cameroon and Nigeria in various aspects of plant research and ecology. The Smithonsian Institution and the Bioresources Development and Conservation Programme-Cameroon (BDCP-C) were invited to lead the conservation and training biodiversity component. The 50-ha Korup Forest Dynamics Plot was to be the focal point for biodiversity monitoring and ecological assessments, along with a complementary series of smaller plots in Cameroon and by the Smithsonian Nigeria, set up Institution/Monitoring and Assessment of Biodiversity Program. Other institutions that have joined in the drug screening and development aspect of this program include

Walter Reed Army Institute of Research, University of Buea (Cameroon), University of Dschang (Cameroon), University of Jos (Nigeria), Pace University (USA), Southern Research Institute (USA), University of Utah, University of Miami (USA), and Florida State University (USA).

Funding for the program has been provided by the International Cooperative Biodiversity Groups (ICBG) Program, a consortium of the U.S. National Institutes of Health (NIH), the Biological Sciences Directorate of the U.S. National Science Foundation (NSF), and the Foreign Agriculture Service of the US Department of Agriculture. The cooperating NIH institutes include the Fogarty International Center, National Cancer Institute, National Institute of Allergy and Infectious Diseases, National Institute of Mental Health, National Institute on Drug Abuse, and the National Heart, Lung, and Blood Institute. ICBG is a unique effort to integrate improvement of human health through drug discovery, incentives for conservation of biodiversity, and new models of sustainable economic activity that focus on the environment, health, population, and democracy. This program is based on the belief that the discovery and development of pharmaceutical and other useful agents from natural products can, under appropriate circumstances, promote sustained economic growth in developing countries while conserving the biological resources from which these products are derived.

For almost 10 years, and with two five-year ICBG grants to Walter Reed Army Institute of Research, KFDP has participated in the ICBG program in Cameroon and Nigeria. Biologists and chemists are using the Korup Forest Dynamics Plot data to collect tissue samples from medicinal plant species, such as *Annickia (Enantia) chlorantha* [Annonaceae], that have long been used by locals for their medicinal effects. Until now, no effort had systematically been made to determine the active compounds in this species. The KFDP species composition data are also helping

researchers devise a random screening strategy to sample plants from every plant family and most genera in the Korup forest. If a tree species in the forest produces a chemical that can be developed into a marketable pharmaceutical, then plot data on plant population demographics, such as species' productivites, yields, regeneration, and habitat requirements, will serve as the basis for sustainable extraction and domestication.

Korup Forest Dynamics Plot: Site Description

The Korup National Park, established in 1986, is located in the Guineo-Congolian forest in the southwestern corner of Cameroon, about 50 km inland in the Bight of Biafra, the world's second largest block of moist tropical forest (Figure 1). Its location at the northwestern end of the Lower Guinea forest is possibly the richest site in tropical Africa for plant diversity. It shares 25 km of its western border with the Cross River National Park in Nigeria and occupies an area of 127,000 ha in the tropical evergreen forest, with its highest point rising to 1079 m above sea level at Mount Yuhan near the center of the park. Korup has two rivers: the Mana/Ndian River in the south and the Bake/Munaya River (and its tributaries) in the northeast.

The 50-ha Korup Forest Dynamics Plot is located towards the southern end of the Korup National Park, near the isolated town of Mundemba (Figure 2). The northwest corner of the plot is located at 05°03' 86" North and 08°51' 17" East, and the elevation range of the plot is about 150 to 240 m above sea level. The plot dimensions are 1000 m (N-S axis) by 500 m (E-W axis). A full description of the site is given in Chuyong *et al* (*in press*).

Topographically, the KFDP is located in an area on the African coast where ancient rocks originating from the Precambrian Gneiss basement complex (Hawkins and Brunt 1965) have been gradually uplifted and eroded, with igneous intrusions of various ages and types.

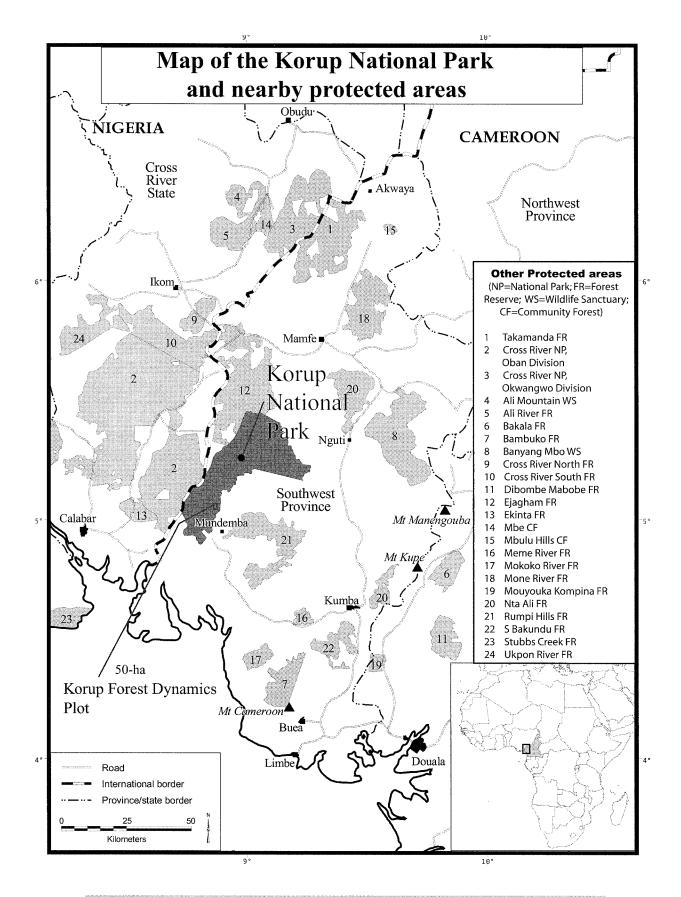
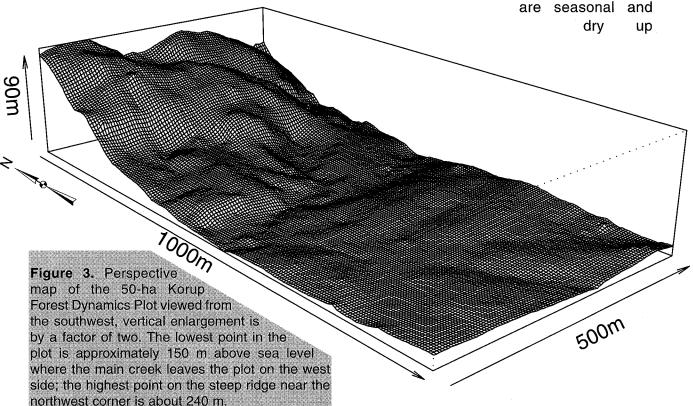


Figure 2. Map of the Korup Forest Dynamics Plot area and Southwestern Cameroon. Map produced by Dan Slayback, SSAI/NASA Goddard Space Flight Center.

The KFDP is located on highly weathered igneous rocks identified as syenite porphyry, a base-rich form of granite. The land slopes southward from steep hills in the central part of the National Park, down toward the large coastal wetlands of the Rio del Rey estuary

the flow is reduced to a trickle. Maximum flows occur during the late wet season, in August, September, and October, when part of the forest to the south of the creek is inundated by high water. Heavy storms at this time of year may cause flash floods. The smaller creeks are seasonal and



about 30 km south of the plot. The KFDP is located at the southern edge of some small, steep hills rising to about 550 m. It occupies part of a narrow, flat-bottomed valley surrounded by steep hillsides. The southern part of the plot, in the bottom of the valley, is fairly flat, while the northern third rises steeply (Figure 3). Soils tend to be deeper in the southern two thirds of the plot, which includes some areas of alluvium, while there are thinner, drier, stony soils in the northern third. Because of the very high rainfall, soils tend to be skeletal, sandy near the surface, and very nutrient-poor (Newbery et al. 1997). The main creek, which crosses the plot from east to west, flows year-round in most years, and even in the driest years has pools of water. In most years, flows are lowest in the late dry season, around February and March, when the dry season. Habitat types present within KFDP include forest on gentle slopes, moderate to steep hillsides with boulders and small rock outcrops, wetland mosaics with permanent and temporary streams, and riverbanks and swampy areas with permanent and seasonally high water tables.

toward the end of

The vegetation of the plot is closed-canopy moist evergreen forest. Most of the species are evergreen, though a few of the larger trees are briefly deciduous for a few weeks in the dry season. The plot has a fairly continuous dense canopy of trees and lianas of about 15 to 25 m, with scattered larger crowns up to 50 m in height. The woody understory is also fairly dense, but the herb/shrub layer is sparse, except in light gaps. Gaps tend to be small, resulting from the fall of one or a few trees, and are not large enough to support the

dense regeneration of pioneer species. The plot is therefore dominated by evergreen trees with shade-tolerant juveniles, such as *Oubanguia alata* [Scytopetalaceae], *Dichostemma glaucescens* [Euphorbiaceae], *Cola spp.* [Sterculiaceae], and *Rinorea spp.* [Violaceae]. There are also many rare and undescribed species.

Rainfall is high but seasonal; there is a single prolonged wet season, and rainfall peaks towards its end in August and September, resulting in an average total exceeding 5000 mm per year, one of the highest in the CTFS network. However, there is also a distinct dry season (December - February) during which these three months average less than 100 mm of precipitation (Table 1). Calculations made at the nearby oil palm plantation show that water stress develops during the three driest months, with evaporation exceeding precipitation. The productivity of oil palms is increased by irrigation during the dry season. These factors make KFDP a strongly seasonal site, and ecological processes such as flowering, fruiting, new leaf production, and litter decomposition all tend to show strongly seasonal patterns, in addition to supra-annual patterns.

Distribution Patterns of Species within the KFDP Landscape

Drought is likely to be a factor influencing the distribution of trees within the 50-ha plot. The driest soils in the plot probably occur on the steep hillsides where rock outcrops are present and the soil is thin. The rockiest area occurs at about 200 m on the N-S axis and 50 - 150 m on the E-W axis (Figure 4a). While many species are absent from this area, Synsepalum stipulatum [Sapotaceae] is strongly associated with the outcrops, as are Hylodendron gabunense [Leguminosae] and Hunteria umbellata [Apocynaceae]. At the other end of the moisture scale are the wetlands and riparian areas (Figure 4b). Many species avoid the very wettest areas that have permanently high water tables (Figure 4c), but the other moist and low-lying habitats all support a high diversity of species. Protomegabaria stapfiana [Euphorbiaceae] (Figure 4b) shows a typically riparian distribution, as does Beilschmiedia sp. "BEI2" [Lauraceae], while Homalium sarcopetalum [Flacourtiaceae] is limited to the well-drained banks of the largest creek.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals, Means
Rain (mm)	38	58	221	329	459	564	913	914	691	668	341	76	5272
ADTMx (°C)	31.6	32.8	32.6	32	31.5	30.4	28.7	27.8	28.8	29.7	30.7	31.1	30.6
ADTMn (°C)	21.9	23	23.1	23	22.8	22.8	22.2	22.4	22.3	22.5	22.8	23.1	22.7

Table 1. Mean monthly rainfall and average daily temperature (maximum and minimum): Data collected about 20 km from the plot from 1973 to 1994.

Temperatures vary little through the year. The mean monthly maximum temperature in the dry season is 31.8°C and in the wet season 30.2°C. The average annual maximum temperature for the area is 30.6°C. Solar radiation also varies little, ranging from 199 to 248 W/m² (Newbery *et al.* 1998).

Between the wettest and the driest sites exist a range of habitats from the moister, lower, flatter areas with deep but well-drained soils, that mostly occur in the eastern two-thirds of the plot, to the steeper, drier areas typical of the northern third. Some species are widely dispersed across these habitats, such as *Hymenostegia afzelii* [Leguminosae] (Figure 4c), *Garcinia gnetoides* [Guttiferae], and *Diospyros gabonensis* [Ebenaceae]. Others show a marked association with one end of the gradient. *Cola praeacuta* (Figure 4a)

occurs almost exclusively on the steeper sites, as does the *Strombosia sp.* 'STRO' [Olacaceae]. *Oubanguia alata* [Scytopetalaceae] and *Phyllobotryon spathulatum* [Flacourtiaceae] on the other hand, are much more abundant on flatter topography. There are about four broadly-defined habitat types in the plot (confirmed by ordination): the wetland complexes and the low-lying drier areas (both in the low-lying southern part of the plot), the main creek which divides the plot, and the steep hill in the northern part. The northern part of the plot can be further divided into three areas: Gully, Ridges, and Steep Slope.

These examples are some of the most striking associations between species distribution and topography. Many species, such as Lecomptedoxa klaineana [Sapotaceae] also show clumping that is not associated with the habitat types, (Figure 5). It is interesting that

many species that are strongly clumped at small scales also have no obvious adaptations for medium or long-range dispersal, such as *L. klaineana*, *Rinorea leiophylla* [Violaceae], and *Rinorea lepidobotrys* [Violaceae]. *Cola lepidota* [Sterculiaceae] shows a similar clumping pattern, though its fruits are highly adapted for mammal dispersal.

KFDP was established as a long-term research site for tropical forest ecology. We have therefore tried to include the characteristics of the trees, especially reproductive characteristics, which might give insights into the distribution patterns that we have documented. While the information on species dispersal and life history traits of Korup is still poorly known — incomplete information is presented on traits such as the sex of the flowers, distribution of unisexual flowers, probable dispersal mechanisms of the fruits, and pollinators — the database is slowly

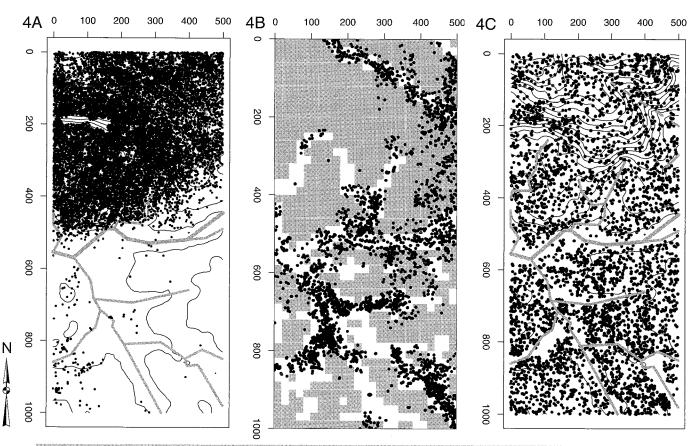


Figure 4. A) Cola praecuta [Sterculiaceae] is associated with steeper slopes and ridges, but avoids very rocky areas, for example, rocky section 200 meters from the northern border of the plot.

- B) Protomegabaria stapfiana [Euphorbiaceae] is associated with riparian habitats (white areas).
- C) Hymenostegia afzelii [Leguminosae] is widely dispersed in all areas but the wettest sites.

building. This volume collates the information now available, providing a benchmark of known information and a basis for field tests of a wide variety of ecological processes.

Data Collection Methods

The methodology for basic data collection from the KFDP follows Condit (1998). A sample of a dataset, after it has been entered in the computer, for the tree species *Lecomptedoxa klaineana* [Sapotaceae] is shown in Table 2.

Topographic Survey

The first phase of the project, which took approximately one field season, was the survey of the grid for the 50-ha Forest Dynamics Plot (FDP). Using a theodolite, a topographic survey team laid out the 50-ha FDP in 1250 20 x 20 m quadrats (horizontal distance), by placing at 20 m intervals permanent markers made of 1 m black pcv pipe painted yellow at the tip. Each point was carefully sighted and backsighted, and elevation recorded. An aluminum tag giving the location was attached to each post. Each post tag was stamped with the EW and NS coordinates of the post. For the field enumeration, each 20 x 20 m quadrat was divided into sixteen 5 x 5 m subquadrats using temporary posts (permanent 5-m posts were placed subsequently). The 5-m points were not surveyed, but were found by dividing the surface distance between the 20-m posts into guarters. The data was recorded in 10 x 10 m units, since maps of 20 x 20 m would contain too much data (i.e. tree locations and tag numbers) to be included on a single map.

Tree Mapping

The second phase of the project, which took two and a half eight month field seasons, was the mapping or enumeration of all free-standing trees over 1 cm dbh. During this phase of the census, an enumeration team carried out the mapping and data recording for every tree, though they left the species name blank at this stage. There were a total of four enumeration teams and each team consisted

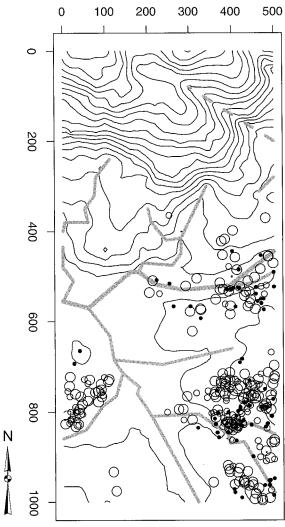


Figure 5. Topographic map of the Korup Forest Dynamics Plot, showing 5-m contours and streams (thick gray lines). Species data are shown for Lecomptedoxa klaineana [Sapotaceae].

- Small solid circles represent trees ≥ 1 and <5 cm dbh.
- O Medium open circles represent trees ≥ 5 and <30 cm dbh.
- Large open circles represent trees ≥ 30 cm dbh.

of four persons: one recorder, one mapper, and two field assistants.

Each tree was measured at 1.3 m in height, using a stick placed against the upper side of the trunk where the ground was sloping. When the diameter could not be measured at 1.3 m, and was taken at a different height, the point of measure (POM) was marked with red paint. Each tree was given a tag that had been made

Name	Date	Check	Date of Check	Data Entry 1	Date of Entry1	Q20	P5	Tag	Mnem	dbh	Codes
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301189	VOA2	17	Q
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301190	CHY3	11	Х
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301191	BAPI	11	*
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301192	LEPA	51	*
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301193	BAPI	25	* .
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301194	COCA	15	*
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301195	CHY3	12	Х
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301196	RUBI	19	Q
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301197	RHA2	15	*
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301198	UAST	26	*
JE	12/12/98	SM	1/8/99	NA	12/14/99	3004	23	301199	LEEC	11	*

Table 2. Example of database for a KFDP quadrat. Double data entry is used, and the two databases are compared to find discrepencies. These are checked on the datasheets and if necessary in the field, to produce the final, corrected dataset. **Name**: Initials of person recording tree data. **Date**: Date of data collection. **Check**: Initials of person checking the identification and diameter. **Date of Check**: Date of the field check. **Data Entry 1**: Initials of the person entering the data the first time. **Date of Entry 1**: Date of first entry. **Q20**: The location of the tree by 20 x 20 m quadrat. **P5**: The location of the tree by 5 x 5 m subplot. **Tag**: The number on the tag attached to the liana. **Mnem**: Code for the genus/species. **DBH**: Diameter at breast height (mm). **Codes**: Special notes, in this case Q=Stem broken above breast height and X=Stem broken below breast height.

by the field staff out of aluminum roofing material and was stamped with the plot and tree number. Common difficulties included swellings of the trunk at 1.3 m, and the presence of stilt roots and buttresses. A series of codes were used to indicate unusual characteristics, such as multiple trunks, buttresses, leaning, and broken trunk. Multiple stems larger than 1 cm at 1.3 m were measured individually, but assigned the same tag number. Large-buttressed trees were measured later, using ladders, and the measurement was taken at least 50 cm above the buttresses, to allow for buttress expansion in future years.

A field map of the 10 x 10 m plot was subsequently drawn by hand in the field (Figure 6). The location of each tree was carefully recorded, including the locations of buttresses and stilt roots where present. The tag number for each tree was also included on the map. Additional features that were added to the maps included boulders, surface hydrology, fallen trunks and termite mounds (Figure 6).

Botanical Identification

The last aspect of the field work, which occurred largely concurrently with the tree enumeration, was the botanical identifications. The botany team consisted of two senior botanists, two junior botanists, and a tree climber. Closely following the enumeration team, the botany team examined every tree, assigning each a species name and code, collecting herbarium vouchers, and verifying diameter measurements.

Sterile specimens were collected for every species, except for a few unknown trees, where the team could not reach the crown or no leaves were present. Ten vouchers were collected for specimens which could not be confidently identified in the field. Fertile specimens are in sets of six, and are sent to Limbe, Yaounde, Missouri Botanical Garden, Kew, and Wageningen. A specimen is also sent to an expert when available. Most preliminary botanical research was done in Limbe Botanical Garden and Yaounde. Currently most of the vouchers are keep at the KFDP office in Mundemba until a more

suitable location can be found.

The botany program at the KFDP is on-going. The species are checked every month for flowering and fruiting material, and the species list is constantly updated. The voucher specimens are stored in the herbarium of the Limbe Botanical Garden (SCA) and at the Missouri Botanical Garden. Many of the trees have turned out to be rare or poorly known species, including several new to science, and these are being described by KFDP scientists and other specialists (Sonké et al 2002).

Data Management

Data entry took place in Cameroon using FoxPro®. A double entry systemwas used such that the field data sheets were entered twice by different individuals. The two datasets were then compared, and the discrepancies were checked first on the datasheets and, if necessary, in the field (Table 2).

The relative x,y locations of the 329,026 trees were recorded by digitizing the points on the 5000 10 x 10-m field maps. A Summersketch® digitizing tablet was used, and the files were generated in Arcview®. Subsequently, the data files and the x,y coordinate files were merged to produce the final dataset.

The species summaries presented here are the results of analyses carried out using the freeware statistics package "R" (www.r-project.org), which can be obtained online. The results were generated as part of a series of National Science Foundation-sponsored workshops, run by CTFS.

Liana census

A liana census was carried out over ten hectares of the Korup Forest Dynamics Plot. The plots were laid out and enumerated in the same way as the tree plots; the main difference was that 20 x 20-m maps were used instead of 10 x 10-m maps, because of the lower densities of stems. The data were entered and the field maps were digitized following the same procedures that were used for the trees. Because this dataset is still

incomplete, the lianas have not been included in this stand table, but will be added to a later edition.

The actual enumeration of the individuals is fairly problematic, since the liana stems exhibit a great diversity of morphologies, which require a more flexible method than trees. The method that we used was based on one developed by the Ituri Forest Dynamics Plot in the Democratic Republic of Congo. The KFDP field team was taught the method by the Ituri Forest Dynamics Plot team, and a few adaptations were subsequently added.

Since the liana flora of Korup is still rather poorly known, a team of four botanists and assistants collected an herbarium voucher, including sterile specimens, from almost every individual for the first six hectares, totaling roughly 4,000 vouchers. After that, we decided that the more abundant species were well-known to the enumeration team, and only new and difficult taxa were collected subsequently. One voucher from each code was sent to the herbarium at the Limbe Botanical Garden (SCA) and a second was sent to the Missouri Botanical Garden.

Many of the liana individuals were comprised of a single stem that rose into the canopy, and the enumeration method for such individuals was the same as for the trees. However, many lianas grow in complex tangles. Such plants were tagged where the stem came out of the ground, and this point was added to the field maps. The locations and diameters of any multiple stems from the plant were recorded at 1.3 m height on stems reaching the minimum diameter (1.0 cm diameter) that ascended into the canopy. Blue paint marked the point where the measurement was taken. Stems that looped back to the ground without a canopy shoot were not recorded.

For clumps of rattans, the location of the center of the clump was drawn on the map and given a tag number. At first, the stems were measured individually and painted. Subsequently, when enough data had been

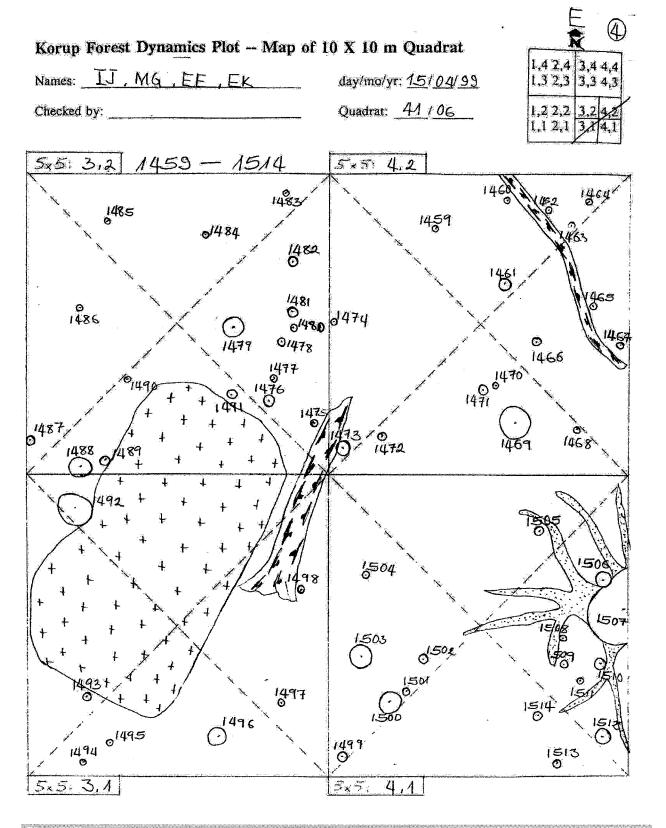


Figure 6. Example of field data map of a 10 x 10 m plot, quadrat 41-06D, showing tree locations and their tag numbers. The mapper has also drawn in a large buttress, two fallen trunks, and a large boulder.

collected to calculate average diameters for each species, the stems in the clump were counted and painted, but not measured, since rattan stems do not increase in diameter over time.

The enumeration team recorded 7,385 liana individuals, belonging to about 286 species, 97 genera, and 34 families. The most speciose family was Rubiaceae with 59 species and 22 genera, followed by the Apocynaceae with 26 species in 12 genera. The most species rich genera were *Dichapetalum* [Dichapetalaceae] (17), *Salacia* [Apocynaceae] (16), *Strychnos* [Strychnaceae] (13), and *Landolphia* [Apocynaceae] (12).

Interpreting the Stand Table

The Text

The following items are included in the description as far as information is available:

Scientific name (genus, species, author): As far as is known. *Sp.* appears when the species name is not known and the field code is given in place of author.

Family: Plant family as classified by Mabberly (1997). When a discrepancy exists between Mabberly (1997) and other alternative families are listed in brackets, with a superscripted number after the family name indicating its source. Superscripts refer to: 1= Angiosperm Phylogeny Group (APG) classification, using the latest information available on the APG website as of May 2003 (Stevens 2001-2003), 2=The Flore du Gabon (Flore du Gabon 1966-1989) or Flore du Cameroun (Flore du Cameroun 2001), and 3=The Flora of West Tropical Africa (Hutchinson 1963).

General description: Field code used by KFDP field staff, growth habit of the tree and ecological characteristics including maximum height and diameter at breast height (dbh), special habitat preference, and deciduousness. Where there is no mention of deciduous behavior in the stand table description, the species is evergreen.

Reproductive characteristics include sexuality of the flowers, fruit type, and dispersal mode. Uses include trade name and wood density from Vivien & Faure (1985). As stated in Thomas *et al.* (1989), vernacular plant names are of the Durop language, a form of the Nigerian Efik language, spoken by the Korup people to the west of the plot, or in Oroko dialects, a Cameroons-Congo Bantu spoken to the east of the plot.

Taxonomic notes: Include comments on species determination, characters that distinguish the species from other closely related species, discrepancies for genus name are indicated as well as synonyms used in the local floras [Flore du Cameroun (Flore du Cameroun 2001) and Flora of West Tropical Africa (Hutchinson 1963)].

Det. Level: Level of confidence in the determination of family, genus, species (and subsp, var); 1=definite, 2=some uncertainty, 3=not known.

Distribution: Distribution of the species within Africa (White1983). The phytogeographic areas referred to are (Figure 1):

Lower Guinea. A former Pleistocene refuge area along the Atlantic coast, naturally dominated by species-rich evergreen forest with high endemism, that extends from extreme SE Nigeria, through Cameroon, Equatorial Guinea and Gabon, and into the Democratic Congo Republic (DRC). Also known as the Cross River – Mayombe refugium.

<u>Upper Guinea</u>. The Upper Guinea refugium, covering the evergreen forest zone near the coast and on the Monts Nimba in Liberia, Sierra Leone, Ivory Coast, Ghana, separated from the Lower Guinea forests by a dry belt around Benin, Togo, and western Nigeria.

<u>Congo Basin</u>. Inland forests of the Congo Basin, extending to the mountain ranges of eastern DRC.

<u>Widespread</u>, <u>tropical Africa</u>. Distribution extends beyond the above three areas of the Guineo-Congolian forest.

Conservation status: Status assigned to each fully identified species as determined by the authors, based on a preliminary list developed by the Limbe Botanical Garden:

Rare=1. Narrow endemic, few records only. High conservation concern; equivalent of IUCN "endangered, threatened" status.

Rare=2. More records than (1), but still only known from one or two countries. Some conservation concern; equivalent of IUCN "vulnerable."

Rare=3. Lower Guinea refuge endemic, with few collections, or more widespread but with few collections. Flagged as a possible species of concern; equivalent to IUCN "lower threat" status.

<u>Common</u>. No conservation concern, if a Lower Guinea endemic then common within the area.

When no conservation status is listed then the status is unknown.

The Maps

The distribution of each species within the 50-ha plot is illustrated with a map (for example, Figure 5). The map is a scale drawing of the plot, 1000 m on the N-S side and 500 m on the E-W side. Topography of the plot is illustrated in 2 ways (contours and creeks): 5-m contour lines from the lowest point of the plot (bottom half), where the main creek exits the plot on the west side, which is approximately 150 m above sea level, rising approximately 90 m to

the top to the steep ridges along the north side of the plot. In the northern portion of the plot, to the north of the main creek, the land rises steeply as rocky hillsides and ridges. About one third of the plot is in this category. The southern two-thirds have gentler slopes, and the land is a mosaic of gently sloping uplands with flat, swampy areas along the drainage channels.

Thick grey lines show the surface hydrology of the plot. The thickest line is the main creek, which crosses the plot from east to west. The smaller creeks are shown by thinner lines, or a broken line which represents an intermittent creek in a gully on a steep hillside.

Three symbols illustrate the distribution of the species within the plot. The smallest individuals, treelets, and saplings ≥ 1 and <5 cm dbh are shown as solid black dots. Trees ≥ 5 and <30 cm dbh are represented by small open circles, while trees 30 or more cm diameter are large open circles.

Map Legend.

- Small solid circles represent trees ≥ 1 and <5 cm dbh
- Medium open circles represent trees ≥ 5 and
 <30 cm dbh
- Large open circles represent trees ≥ 30 cm

Diameter	Total no.	No. trees	Cumulative	% by size	% of all
class (cm)	trees in	per ha	tree count	class	species by
	50 ha		per ha		size class
1 2	138018	2760	2760	0.419	N/A
>2 3	66305	1326	4086	0.202	N/A
>3 4	37486	750	4836	0.114	N/A
>4.5	23221	464	5301	0.071	N/A
>5 10	39791	796	6096	0.121	N/A
>10 20	14723	294	6391	0.045	N/A
>20 30	5338	107	6498	0.016	N/A
>30 60	3616	72	6570	0.011	N/A
>60	528	11	6581	0.002	N/A

Table 3. Data summary for all species and all trees. Total trees in 50 ha = 329,026, mean trees per hectare = 6581.

The Stand Table

The stand table for each species presents information on the number of individuals, by size class. The table heading lists the total number of individuals of the species in 50 ha and the rank order of the species within the plot (1=most abundant, 462=least abundant). Table 3 provides an example with data for all species combined.

Explanation of the columns used in the stand tables:

Diameter class (cm): Diameter at breast height classes in centimeters, the same classes are used in the stand tables of other plots in the CTFS network.

Total no. trees in 50 ha: For each species the total number of individual trees in each diameter class.

No. trees per ha: For each species, mean number of individuals per hectare.

Cumulative tree count: For each species, cumulative count of individuals per hectare by diameter class; that is, the number of individuals greater than or equal to 1 cm dbh, up to the largest size class. For example in the diameter class >3 and \leq 4, cumulative tree count is calculated as follows: no. of trees per ha in size class >3 and \leq 4 (750) + no. of trees per ha in size class >2 and \leq 3 (1326) + no. of trees per ha in size class 1 and \leq 2 (2760) = 4836.

% by size class: Percentage of the total individuals of a species in each diameter class (has the same value per ha and for the full 50 ha).

% of all species by size class: Individuals of a species in each diameter class as a percentage of the total number of individuals of all species in that size class.

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This volume is dedicated to the men and women who carried out the first enumeration of the Korup Forest Dynamics Plot.



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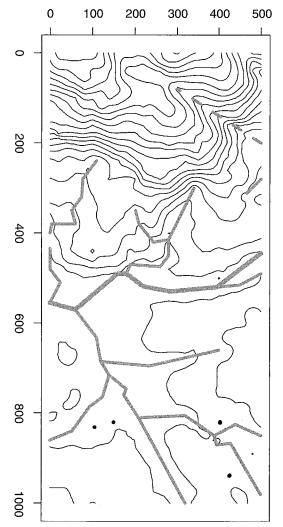
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Korup Forest Dynamics Plot

Tree Families and Species

Asystasia macrophylla (T.Anders.) Lindau ACANTHACEAE

ACAN. Tall woody herb (or treelet), usually less than 1 cm dbh. Flowers bisexual, fruits explosively dehiscent with small seeds. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.



Stem count, total/50 ha = 8, Species rank = 384

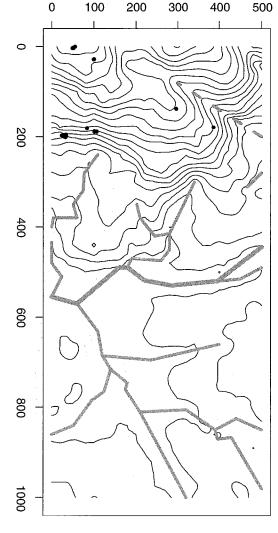
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	87.50	0.01
>2≤3	1	0.02	0.16	12.50	0.00
>3≤4	0	0	0.16	0.00	0.00
>4≤5	0	0	0.16	0.00	0.00
>5≤10	0	0	0.16	0.00	0.00
>10≤20	0	0	0.16	0.00	0.00
>20≤30	0	0	0.16	0.00	0.00
>30≤60	0	0	0.16	0.00	0.00
>60	0	0	0.16	0.00	0.00

Acanthaceae sp. "ACA2" ACANTHACEAE

ACA2. Probably a tall woody herb or treelet. Flowers probably bisexual, fruits probably explosively dehiscent with small seeds. *Det. level:* F1, G3, S3. *Distribution*: Not known.

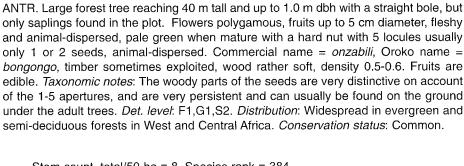
Stem count, total/50 ha = 50, Species rank = 273

			•	, . ,	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	94.00	0.03
>2≤3	3	0.06	1	6.00	0.00
>3≤4	0	0	1	0.00	0.00
>4≤5	0	0	1	0.00	0.00
>5≤10	0	0	1	0.00	0.00
>10≤20	0	0	1	0.00	0.00
>20≤30	0	0	1	0.00	0.00
>30≤60	0	0	1	0.00	0.00
>60	0	0	11	0.00	0.00



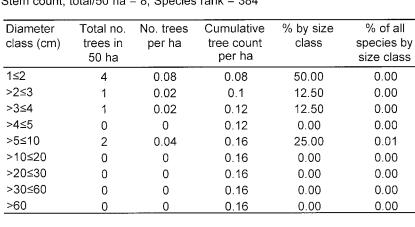
Antrocaryon micraster A. Chev. & Guillaum **ANACARDIACEAE**

only saplings found in the plot. Flowers polygamous, fruits up to 5 cm diameter, fleshy and animal-dispersed, pale green when mature with a hard nut with 5 locules usually only 1 or 2 seeds, animal-dispersed. Commercial name = onzabili, Oroko name = bongongo, timber sometimes exploited, wood rather soft, density 0.5-0.6. Fruits are edible. Taxonomic notes: The woody parts of the seeds are very distinctive on account of the 1-5 apertures, and are very persistent and can usually be found on the ground under the adult trees. Det. level: F1,G1,S2. Distribution: Widespread in evergreen and semi-deciduous forests in West and Central Africa. Conservation status: Common.



Stem count, total/50 ha = 8, Species rank = 384

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	50.00	0.00
>2≤3	1	0.02	0.1	12.50	0.00
>3≤4	1	0.02	0.12	12.50	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	2	0.04	0.16	25.00	0.01
>10≤20	0	0	0.16	0.00	0.00
>20≤30	0	0	0.16	0.00	0.00
>30≤60	0	0	0.16	0.00	0.00
>60	0	0	0.16	0.00	0.00



Lannea sp. "LANN" **ANACARDIACEAE**

LANN. Small tree, branched low, crown spreading. Probably dioecious, fruits probably small, fleshy and animal-dispersed. Might be hemiepiphyte that can survive as tree. Det. level: F1, G1, S3. Distribution: Not known.

500

0

200

400

600

100

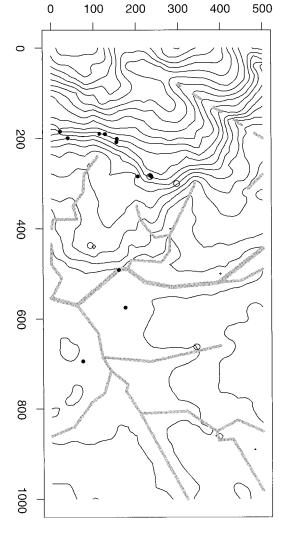
200

300

400

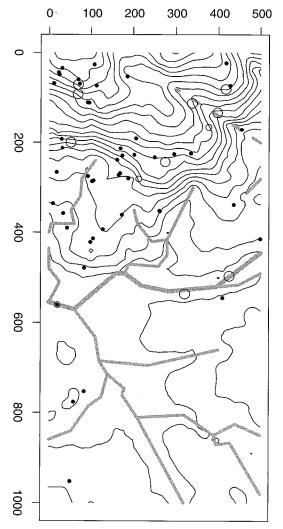
Stem count, total/50 ha = 16, Species rank = 347

			,		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	31.25	0.00
>2≤3	4	0.08	0.18	25.00	0.01
>3≤4	2	0.04	0.22	12.50	0.01
>4≤5	1	0.02	0.24	6.25	0.00
>5≤10	1	0.02	0.26	6.25	0.00
>10≤20	3	0.06	0.32	18.75	0.02
>20≤30	0	0	0.32	0.00	0.00
>30≤60	0	0	0.32	0.00	0.00
>60	0	0	0.32	0.00	0.00



Pseudospondias microcarpa (A.Rich.) Engl. var. microcarpa ANACARDIACEAE

PSEU. Medium-sized tree, reaching large diameter, to about 30m tall, crown spreading. Dioecious, fruits 1-2 seeded, up to 2 cm long, yellow, fleshy, animal-dispersed. Fruits are edible. *Det. level:* F1,G1,S1. *Distribution*: Common and wide-spread in tropical Africa in forest, forest edge and gallery forests. *Conservation status*: Common.



Stem count, total/50 ha = 60, Species rank = 259

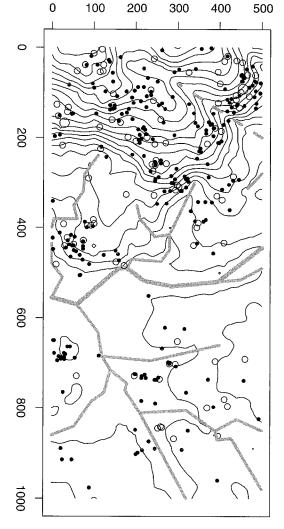
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	27	0.54	0.54	45.00	0.02
>2≤3	11	0.22	0.76	18.33	0.02
>3≤4	. 6	0.12	0.88	10.00	0.02
>4≤5	4	0.08	0.96	6.67	0.02
>5≤10	2	0.04	1	3.33	0.01
>10≤20	0	0	1	0.00	0.00
>20≤30	1	0.02	1.02	1.67	0.02
>30≤60	6	0.12	1.14	10.00	0.17
>60	3	0.06	1.2	5.00	0.57

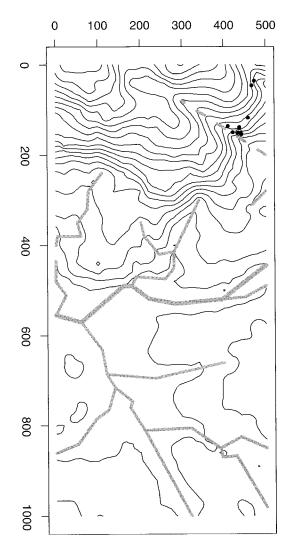
Sorindeia juglandifolia (A. Rich.) Planch. ex Oliv. ANACARDIACEAE

SOJU. Small tree to about 10m tall, often branched low. Dioecious, fruits large, red, fleshy, animal-dispersed. *Taxonomic notes*: Difficult genus, may be a closely related species rather than S.j. *Det. level*: F1,G1,S2. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 344, Species rank = 125

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	110	2.2	2.2	31.98	0.08
>2≤3	72	1.44	3.64	20.93	0.11
>3≤4	46	0.92	4.56	13.37	0.12
>4≤5	23	0.46	5.02	6.69	0.10
>5≤10	46	0.92	5.94	13.37	0.12
>10≤20	35	0.7	6.64	10.17	0.24
>20≤30	10	0.2	6.84	2.91	0.19
>30≤60	2	0.04	6.88	0.58	0.06
>60	0	0	6.88	0.00	0.00





DAMA. Small tree. Dioecious with medium-sized fleshy fruits, with a single seed, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.

Stem count, total/50 ha = 12, Species rank = 364

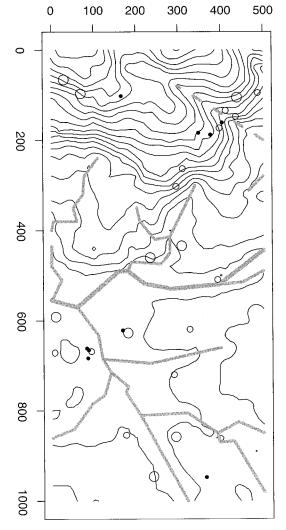
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	41.67	0.00
>2≤3	5	0.1	0.2	41.67	0.01
>3≤4	1	0.02	0.22	8.33	0.00
>4≤5	0	0	0.22	0.00	0.00
>5≤10	0	0	0.22	0.00	0.00
>10≤20	1	0.02	0.24	8.33	0.01
>20≤30	0	0	0.24	0.00	0.00
>30≤60	0	0	0.24	0.00	0.00
>60	0	0	0.24	0.00	0.00

Trichoscypha acuminata Engl. ANACARDIACEAE

TRAC. Medium-sized tree, to about 30 m tall. Crown narrow, branches few, erect with rosettes of very large leaves. Very distinctive, distinguished from all but a couple of closely-related species the combination of white latex and inflorescence calluses on the trunk. Dioecious, fruits large (up to 3.5 cm) in large clusters, reddish, fleshy with a single large seed, animal-dispersed. Fruits edible, often sold. *Det. level:* F1,G1,S1. *Distribution:* Probably widespread in the forests of the Congo Basin and Lower Guinea, needs critical examination of specimens. *Conservation status:* Common.

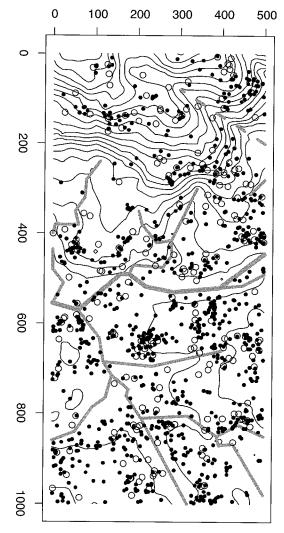
Stem count, total/50 ha = 30, Species rank = 305

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	16.67	0.00
>2≤3	3	0.06	0.16	10.00	0.00
>3≤4	1	0.02	0.18	3.33	0.00
>4≤5	0	0	0.18	0.00	0.00
>5≤10	2	0.04	0.22	6.67	0.01
>10≤20	1	0.02	0.24	3.33	0.01
>20≤30	9	0.18	0.42	30.00	0.17
>30≤60	9	0.18	0.6	30.00	0.25
>60	0	0	0.6	0.00	0.00



Trichoscypha patens (Oliv.) Engl. ANACARDIACEAE

TRI2. Small- to medium-sized tree with a spreading crown, to 20 cm dbh and 15 m in height. Probably dioecious, fruits medium-sized, elliptic, red, pulpy with a single seed, animal-dispersed. Fruits are edible, but not much used. *Det. level*: F1,G1,S1. *Distribution*: Forests near the coast from SE Nigeria to Equatorial Guinea (and probably Gabon), apparently common within its restricted range. *Conservation status*: Rare=3.



Stem count, total/50 ha = 1118, Species rank = 57

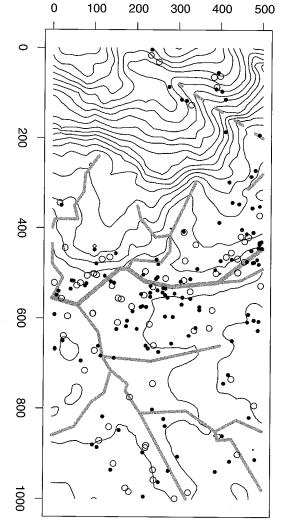
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	372	7.44	7.44	33.27	0.27
>2≤3	270	5.4	12.84	24.15	0.41
>3≤4	160	3.2	16.04	14.31	0.43
>4≤5	101	2.02	18.06	9.03	0.43
>5≤10	187	3.74	21.8	16.73	0.47
>10≤20	27	0.54	22.34	2.42	0.18
>20≤30	1	0.02	22.36	0.09	0.02
>30≤60	0	0	22.36	0.00	0.00
>60	00	0	22.36	0.00	0.00

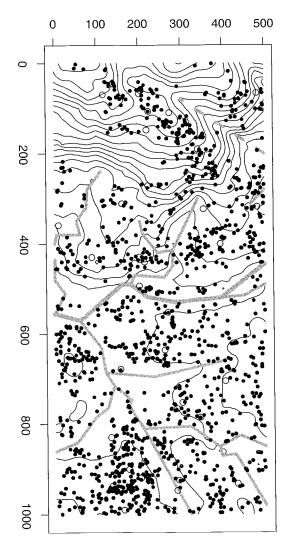
Trichoscypha preussii Engl. ANACARDIACEAE

TRIC. Small tree, to about 20 cm dbh and 10 m in height. Dioecious, fruits bright red, fleshy, with a single seed, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* SE Nigeria and Cameroon. *Conservation status:* Rare=3.

Stem count, total/50 ha = 193, Species rank = 163

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	54	1.08	1.08	27.98	0.04
>2≤3	28	0.56	1.64	14.51	0.04
>3≤4	22	0.44	2.08	11.40	0.06
>4≤5	20	0.4	2.48	10.36	0.09
>5≤10	48	0.96	3.44	24.87	0.12
>10≤20	21	0.42	3.86	10.88	0.14
>20≤30	0	0	3.86	0.00	0.00
>30≤60	0	0	3.86	0.00	0.00
>60	0	0	3.86	0.00	0.00





TRI3. Small tree, rarely reaching 10 cm dbh and 10 m in height. Probably dioecious, fruits medium-sized, fleshy with a single seed, animal-dispersed. *Taxonomic notes*: The genus *Trichoscypha* needs revision for central Africa. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1337, Species rank = 49

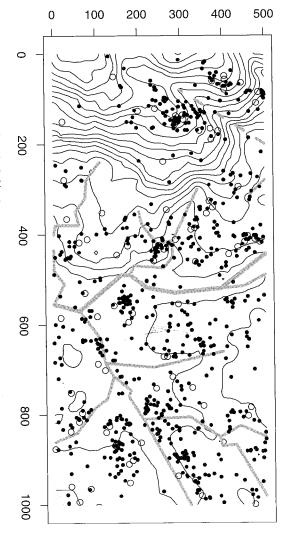
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	742	14.84	14.84	55.50	0.54
>2≤3	354	7.08	21.92	26.48	0.53
>3≤4	155	3.1	25.02	11.59	0.41
>4≤5	49	0.98	26.00	3.66	0.21
>5≤10	35	0.7	26.70	2.62	0.09
>10≤20	2	0.04	26.74	0.15	0.01
>20≤30	0	0	26.74	0.00	0.00
>30≤60	0	0	26.74	0.00	0.00
>60	0	0	26.74	0.00	0.00

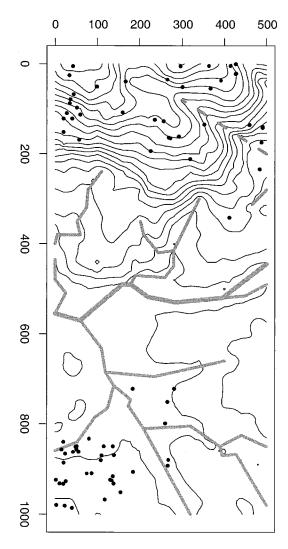
Trichoscypha sp. "TRIR"

TRIR. Small tree to about 15 cm dbh and 10 m in height. Probably dioecious with fleshy, single-seeded fruits animal-dispersed. *Taxonomic notes*: Distinctive on account of the red latex in the bark, but not matched yet. Difficult genus in central Africa. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 752, Species rank = 77

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	332	6.64	6.64	44.15	0.24
>2≤3	219	4.38	11.02	29.12	0.33
>3≤4	83	1.66	12.68	11.04	0.22
>4≤5	35	0.7	13.38	4.65	0.15
>5≤10	76	1.52	14.9	10.11	0.19
>10≤20	7	0.14	15.04	0.93	0.05
>20≤30	0	0	15.04	0.00	0.00
>30≤60	0	0	15.04	0.00	0.00
>60	0	0	15.04	0.00	0.00





TR22. Treelet to 5 m tall, then apparently becoming a liane. Probably dioecious with fleshy, single-seeded fruits animal-dispersed. *Taxonomic notes*: Difficult genus in central Africa, needs revision. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 77, Species rank = 238

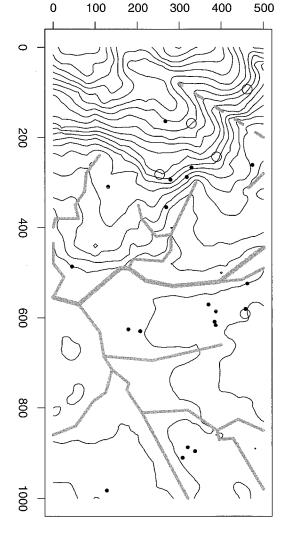
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	60	1.2	1.2	77.92	0.04
>2≤3	12	0.24	1.44	15.58	0.02
>3≤4	3	0.06	1.5	3.90	0.01
>4≤5	2	0.04	1.54	2.60	0.01
>5≤10	0	0	1.54	0.00	0.00
>10≤20	0	0	1.54	0.00	0.00
>20≤30	0	0	1.54	0.00	0.00
>30≤60	0	0	1.54	0.00	0.00
>60	0	0	1.54	0.00	0.00

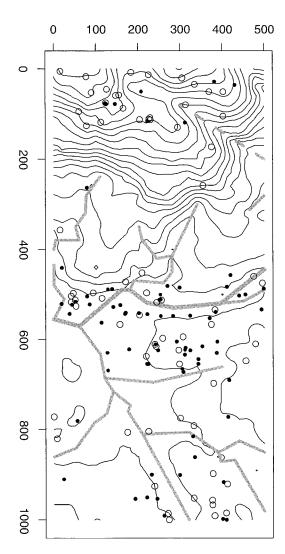
Trichosypha sp. "TRBM" ANACARDIACEAE

TRBM. Large tree reaching 60 cm dbh. Probably dioecious with fleshy, single-seeded fruits animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 25, Species rank = 317

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	48.00	0.01
>2≤3	7	0.14	0.38	28.00	0.01
>3≤4	1	0.02	0.4	4.00	0.00
>4≤5	0	0	0.4	0.00	0.00
>5≤10	0	0	0.4	0.00	0.00
>10≤20	0	0	0.4	0.00	0.00
>20≤30	0	0	0.4	0.00	0.00
>30≤60	4	0.08	0.48	16.00	0.11
>60	1	0.02	0.5	4.00	0.19





TRHM. Small tree reaching 15 cm dbh and about 10 m tall. Probably dioecious with fleshy, single-seeded fruits animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known

Stem count, total/50 ha = 147, Species rank = 186

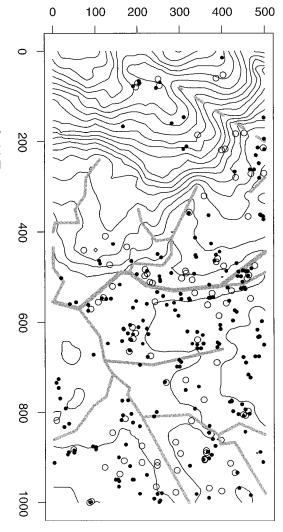
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	15	0.3	0.30	10.20	0.01
>2≤3	22	0.44	0.74	14.97	0.03
>3≤4	21	0.42	1.16	14.29	0.06
>4≤5	18	0.36	1.52	12.24	0.08
>5≤10	43	0.86	2.38	29.25	0.11
>10≤20	28	0.56	2.94	19.05	0.19
>20≤30	0	0	2.94	0.00	0.00
>30≤60	0	0	2.94	0.00	0.00
>60	0	0	2.94	0.00	0.00

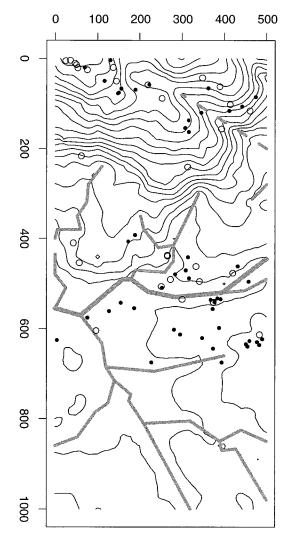
Trichoscypha sp. "TRI4" ANACARDIACEAE

TRI4. Small tree, to about 10 cm dbh. Probably dioecious with fleshy, single-seeded fruits animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 302, Species rank = 128

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	51	1.02	1.02	16.89	0.04
>2≤3	64	1.28	2.30	21.19	0.10
>3≤4	58	1.16	3.46	19.21	0.15
>4≤5	40	0.8	4.26	13.25	0.17
>5≤10	83	1.66	5.92	27.48	0.21
>10≤20	6	0.12	6.04	1.99	0.04
>20≤30	0	0	6.04	0.00	0.00
>30≤60	0	0	6.04	0.00	0.00
>60	0	00	6.04	0.00	0.00





TRI72. Medium-sized tree, to about 20 cm dbh, about 15 m tall. Probably dioecious with fleshy, single-seeded animal-dispersed fruits. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 79, Species rank = 232

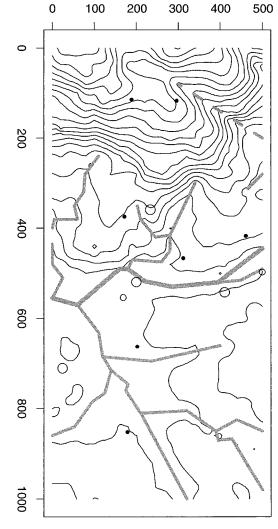
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	21	0.42	0.42	26.58	0.02
>2≤3	14	0.28	0.70	17.72	0.02
>3≤4	7	0.14	0.84	8.86	0.02
>4≤5	7	0.14	0.98	8.86	0.03
>5≤10	21	0.42	1.40	26.58	0.05
>10≤20	8	0.16	1.56	10.13	0.05
>20≤30	1	0.02	1.58	1.27	0.02
>30≤60	0	0	1.58	0.00	0.00
>60	0	0	1.58	0.00	0.00

Anisophyllea meniauldii Aubrév. & Pellegr. ANISOPHYLLEACEAE (Rhizophoraceae³)

ANME. Medium-sized tree, to about 40 cm dbh, 25 m tall with a spreading crown. Bisexual flowers, fruits ovoid, about 3 cm long, single-seeded, red with pulpy mesocarp, animal-dispersed. *Taxonomic notes*: Very similar to *A. myriosticta*, which differs in having numerous minute pits in the dried leaf. *Det. level:* F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

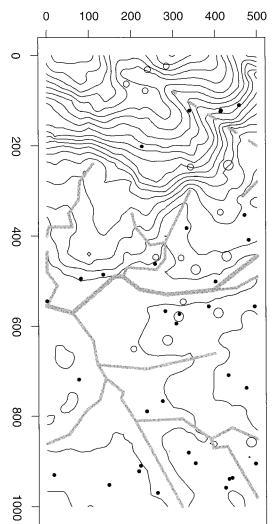
Stem count, total/50 ha = 13, Species rank = 358

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	38.46	0.00
>2≤3	1	0.02	0.12	7.69	0.00
>3≤4	1	0.02	0.14	7.69	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	0	0	0.14	0.00	0.00
>10≤20	1	0.02	0.16	7.69	0.01
>20≤30	1	0.02	0.18	7.69	0.02
>30≤60	4	0.08	0.26	30.77	0.11
>60	0	0	0.26	0.00	0.00



Anisophyllea purpurescens Hutch. & Dalziel ANISOPHYLLEACEAE (Rhizophoraceae³)

ANPU. Medium/large-sized tree, to about 60 cm dbh, 30 m tall with a spreading crown. Bisexual flowers, fruits ovoid, about 3 cm long, single-seeded, red or yellow with pulpy mesocarp, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 52, Species rank = 269

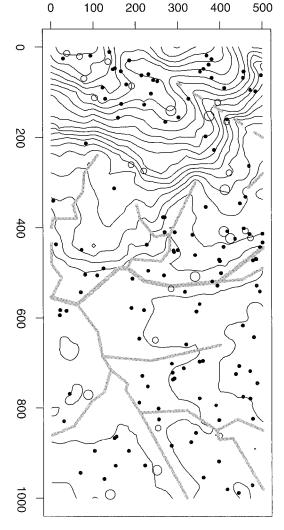
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	28	0.56	0.56	53.85	0.02
>2≤3	7	0.14	0.7	13.46	0.01
>3≤4	0	0	0.7	0.00	0.00
>4≤5	0	0	0.7	0.00	0.00
>5≤10	1	0.02	0.72	1.92	0.00
>10≤20	3	0.06	0.78	5.77	0.02
>20≤30	6	0.12	0.9	11.54	0.11
>30≤60	7	0.14	1.04	13.46	0.19
>60	0	0	1.04	0.00	0.00

Anisophyllea sororia Pierre ANISOPHYLLEACEAE (Rhizophoraceae³)

ANSO. Medium- to large-sized tree, to about 50 cm dbh, occasionally larger, 30 m tall with a spreading crown. Bisexual flowers, fruits ovoid, about 3 cm long, single-seeded, with pulpy mesocarp, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea and Islands. *Conservation status*: Probably common.

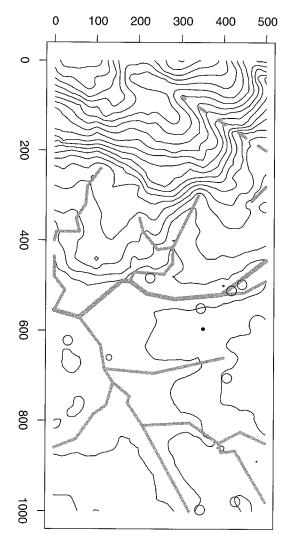
Stem count, total/50 ha = 157, Species rank = 183

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	99	1.98	1.98	63.06	0.07
>2≤3	26	0.52	2.5	16.56	0.04
>3≤4	6	0.12	2.62	3.82	0.02
>4≤5	1	0.02	2.64	0.64	0.00
>5≤10	1	0.02	2.66	0.64	0.00
>10≤20	6	0.12	2.78	3.82	0.04
>20≤30	9	0.18	2.96	5.73	0.17
>30≤60	8	0.16	3.12	5.10	0.22
>60	1	0.02	3.14	0.64	0.19



Poga oleosa Pierre

ANISOPHYLLEACEAE (Rhizophoraceae³)



POOL. Large forest tree, reaching 45 m in height and up to 1.7 m dbh, crown spreading. Flowers bisexual, fruits large about 5 cm diameter, rounded, green when ripe, mesocarp firm, nut very hard with up to 4 oily seeds. Fruits dispersed by elephants and probably by other mammals as well. Exploited for timber ("ovoga", wood light, dry density 0.4-0.5), vegetable oil extracted from seeds, protected by farmers. *Taxonomic notes*: Easily identified, monospecific genus. *Det. level*: F1,G1,S1. *Distribution*: Limited to the coastal rainforests of Lower Guinea from SE Nigeria to Congo, and to the western part of the Congo Basin. *Conservation status*: Apparently common.

Stem count, total/50 ha = 11, Species rank = 366

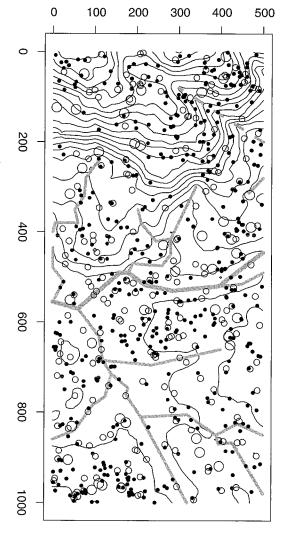
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	18.18	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	1	0.02	0.06	9.09	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	8	0.16	0.22	72.73	1.52

Annickia chlorantha (Oliv.) Setten & P.J.Maas ANNONACEAE

ENCH. Tall canopy tree, reaching 30 m, with a straight bole and compact crown. Very distinctive tree, on account of the chromium-yellow inner bark and yellow wood. Flowers bisexual, fruits fleshy, mericarps dark-colored (reddish purple), animal-dispersed. Commercial name is "moambe jaune". Has many uses: timber used locally for construction, natural dye; important medicinal plant - bark extracts are used to treat fevers. Mbororo (Oroko), unjeh (Durop). Taxonomic notes: Genus is Enantia in FWTA. There is an undescribed Annickia species in the area, smaller but also with yellow bark, and this has not so far been found in the plot. Det. level: F1,G1,S1. Distribution: Evergreen and semi-deciduous forests of Lower Guinea and the Congo Basin. Conservation status: Common.

Stem count, total/50 ha = 707, Species rank = 84

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	239	4.78	4.78	33.80	0.17
>2≤3	110	2.2	6.98	15.56	0.17
>3≤4	62	1.24	8.22	8.77	0.17
>4≤5	45	0.9	9.12	6.36	0.19
>5≤10	121	2.42	11.54	17.11	0.30
>10≤20	46	0.92	12.46	6.51	0.31
>20≤30	43	0.86	13.32	6.08	0.81
>30≤60	41	0.82	14.14	5.80	1.13
>60	0	0	14.14	0.00	0.00



Cleistopholis patens (Benth.) Engl. & Diels ANNONACEAE

CLPA. Tall tree with a compact crown, to 30 m tall and 80 cm dbh. Flowers bisexual, fruits small, green, animal-dispersed, testa very hard. Wood soft, used locally, bark used medicinally, bark fiber for cordage. *Taxonomic notes*: Very similar to other *Cleistopholis* spp. Fertile specimens separated on petal width, sterile specimens on leaf shape and petiole length. Young plants have very long leaves. *Det. level*: F1,G1,S1. *Distribution*: Widespread, Upper and Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 38, Species rank = 294

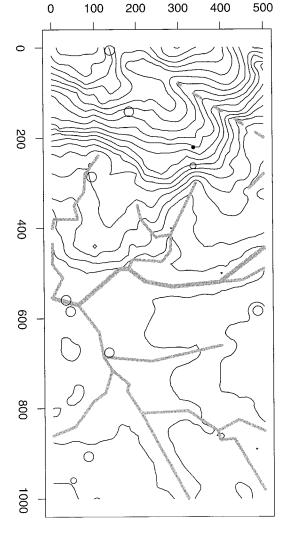
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	28.95	0.01
>2≤3	8	0.16	0.38	21.05	0.01
>3≤4	3	0.06	0.44	7.89	0.01
>4≤5	1	0.02	0.46	2.63	0.00
>5≤10	5	0.1	0.56	13.16	0.01
>10≤20	3	0.06	0.62	7.89	0.02
>20≤30	2	0.04	0.66	5.26	0.04
>30≤60	5	0.1	0.76	13.16	0.14
>60	0	0	0.76	0.00	0.00

Cleistopholis staudtii Engl. & Diels ANNONACEAE

CLSP. Tall tree with compact crown to 30 m tall and 60 cm dbh. Flowers bisexual, fruits up to 1.5 cm, green, animal-dispersed, testa very hard. Wood soft, used locally, bark used medicinally, bark fiber for cordage. *Taxonomic notes*: Very similar to other *Cleistopholis* spp. Fertile specimens separated on petal width, sterile specimens on leaf shape and petiole length. Young plants have very long leaves. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 11, Species rank = 366

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	9.09	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	2	0.04	0.06	18.18	0.01
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	7	0.14	0.2	63.64	0.19
>60	1	0.02	0.22	9.09	0.19



Isolona campanulata Engl. & Diels ANNONACEAE

MONO. Small tree, to 15 m tall. Flowers bisexual, fruits green, up to 8 cm long, thin firm mesocarp, animal-dispersed. *Taxonomic notes*: May be different species; *I. campanulata* is usually smaller than this. *Det. level*: F1,G1,S2. *Distribution*: Widespread, Upper and Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 256, Species rank = 140

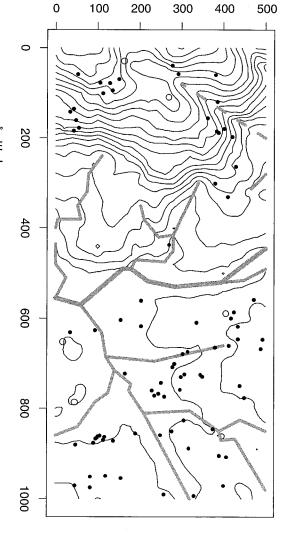
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	89	1.78	1.78	34.77	0.06
>2≤3	48	0.96	2.74	18.75	0.07
>3≤4	37	0.74	3.48	14.45	0.10
>4≤5	27	0.54	4.02	10.55	0.12
>5≤10	29	0.58	4.6	11.33	0.07
>10≤20	13	0.26	4.86	5.08	0.09
>20≤30	9	0.18	5.04	3.52	0.17
>30≤60	4	0.08	5.12	1.56	0.11
>60	0	0	5.12	0.00	0.00

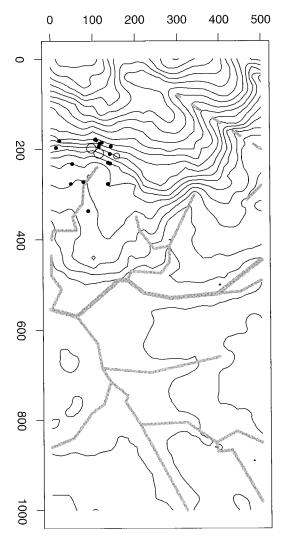
Isolona sp. "wmon" ANNONACEAE

WMON. Small tree. Flowers probably bisexual, fruits probably large and animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 86, Species rank = 227

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	32	0.64	0.64	37.21	0.02
>2≤3	27	0.54	1.18	31.40	0.04
>3≤4	17	0.34	1.52	19.77	0.05
>4≤5	5	0.1	1.62	5.81	0.02
>5≤10	5	0.1	1.72	5.81	0.01
>10≤20	0	0	1.72	0.00	0.00
>20≤30	0	0	1.72	0.00	0.00
>30≤60	0	0	1.72	0.00	0.00
>60	0	0	1.72	0.00	0.00





MOBI. Medium-sized tree, reaching 70 cm or more dbh but only about 25 m tall, crown spreading, briefly deciduous. Flowers bisexual, fruits large, c. 6 cm, thin mesocarp, many seeds, animal-dispersed. Seeds used as flavoring, often sold, medicinal uses. Called *bolingo* or *mbororo* in Oroko dialects. *Det. level*: F1,G1,S1. *Distribution*: Upper Guinea and Cameroon area. *Conservation status*: Common.

Stem count, total/50 ha = 21, Species rank = 324

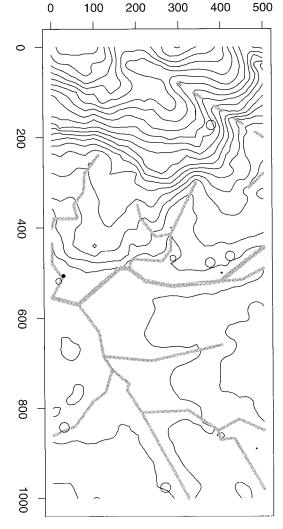
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	15	0.3	0.3	71.43	0.01
>2≤3	1	0.02	0.32	4.76	0.00
>3≤4	2	0.04	0.36	9.52	0.01
>4≤5	0	0	0.36	0.00	0.00
>5≤10	1	0.02	0.38	4.76	0.00
>10≤20	0	0	0.38	0.00	0.00
>20≤30	0	0	0.38	0.00	0.00
>30≤60	1	0.02	0.4	4.76	0.03
>60	1	0.02	0.42	4.76	0.19

Pachypodanthium staudtii Engl. & Diels ANNONACEAE

PAST. Tall tree with a compact crown. Flowers bisexual, fruits large, fleshy, animal-dispersed, composed of numerous 1-seeded segments. Timber sometimes used locally, bark sheets used like plywood. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea and Congo Basin. *Conservation status*: Common.

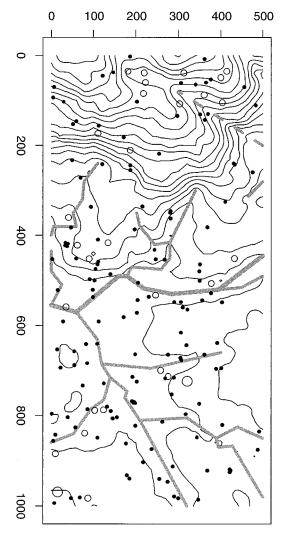
Stem count, total/50 ha = 8, Species rank = 384

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	12.50	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	1	0.02	0.04	12.50	0.00
>10≤20	1	0.02	0.06	12.50	0.01
>20≤30	0	0	0.06	0.00	0.00
>30≤60	5	0.1	0.16	62.50	0.14
>60	0	0	0.16	0.00	0.00



Pachypodanthium sp. "PACH" ANNONACEAE

PACH. Tall tree, flowers probably bisexual, fruits probably large, animal-dispersed, composed of numerous 1-seeded segments. *Taxonomic notes*: A small genus, need to match leaves with well-named material. *Det. level*: F1,G1,S3. *Distribution*: Not known.



Stem count, total/50 ha = 173, Species rank = 172

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	91	1.82	1.82	52.60	0.07
>2≤3	29	0.58	2.4	16.76	0.04
>3≤4	18	0.36	2.76	10.40	0.05
>4≤5	6	0.12	2.88	3.47	0.03
>5≤10	14	0.28	3.16	8.09	0.04
>10≤20	12	0.24	3.4	6.94	0.08
>20≤30	1	0.02	3.42	0.58	0.02
>30≤60	2	0.04	3.46	1.16	0.06
>60	0	0	3.46	0.00	0.00

Piptostigma sp. "PIPI" ANNONACEAE

PIPI. Small tree, flowers bisexual, fruits probably about 4 cm long, fleshy, animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1032, Species rank = 65

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	164	3.28	3.28	15.89	0.12
>2≤3	143	2.86	6.14	13.86	0.22
>3≤4	106	2.12	8.26	10.27	0.28
>4≤5	91	1.82	10.08	8.82	0.39
>5≤10	418	8.36	18.44	40.50	1.05
>10≤20	108	2.16	20.6	10.47	0.73
>20≤30	2	0.04	20.64	0.19	0.04
>30≤60	0	0	20.64	0.00	0.00
>60	0	0	20.64	0.00	0.00

0 100 200 300 400 500

Polyceratocarpus parviflorus (Bak. f.) Ghesq. ANNONACEAE

POPA. Small tree, seldom more than 15 cm dbh, 15 m tall, branched low with a spreading crown. Flowers bisexual, fruits of 1-4 mericarps up to 4 cm long, yellow or orange, fleshy, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 2046, Species rank = 38

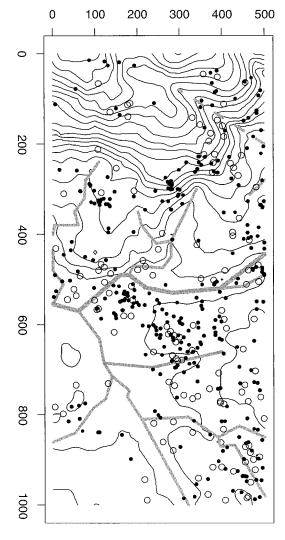
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	606	12.12	12.12	29.62	0.44
>2≤3	374	7.48	19.6	18.28	0.56
>3≤4	321	6.42	26.02	15.69	0.86
>4≤5	241	4.82	30.84	11.78	1.04
>5≤10	486	9.72	40.56	23.75	1.22
>10≤20	18	0.36	40.92	0.88	0.12
>20≤30	0	0	40.92	0.00	0.00
>30≤60	0	0	40.92	0.00	0.00
>60	0	0	40.92	0.00	0.00

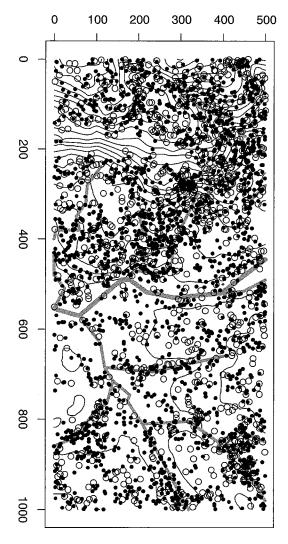
Uvariastrum pynaertii De Wild. ANNONACEAE

ANNS. Small tree, to about 25 cm dbh, 15 m tall. Flowers cauliflorous, bisexual, fruits of several mericarps, each up to 8 cm long, fleshy, animal-dispersed. *Taxonomic notes*: Difficult genus with closely-related, poorly-known species. Ours may turn out to be *U. zenkeri* Engl. & Diels. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare = 3.

Stem count, total/50 ha = 446, Species rank = 115

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	176	3.52	3.52	39.46	0.13
>2≤3	66	1.32	4.84	14.80	0.10
>3≤4	39	0.78	5.62	8.74	0.10
>4≤5	36	0.72	6.34	8.07	0.16
>5≤10	79	1.58	7.92	17.71	0.20
>10≤20	42	0.84	8.76	9.42	0.29
>20≤30	8	0.16	8.92	1.79	0.15
>30≤60	0	0	8.92	0.00	0.00
>60	0	0	8.92	0.00	0.00





UOI. Small tree, seldom more than 25 cm dbh, about 10 m tall. Flowers bisexual, fruits fleshy, animal-dispersed. *Taxonomic notes*: A difficult genus with several closely related species. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3249, Species rank = 27

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	924	18.48	18.48	28.76	0.67
>2≤3	569	11.38	29.86	17.71	0.86
>3≤4	416	8.32	38.18	12.95	1.11
>4≤5	313	6.26	44.44	9.74	1.35
>5≤10	879	17.58	62.02	27.36	2.21
>10≤20	112	2.24	64.26	3.49	0.76
>20≤30	0	0	64.26	0.00	0.00
>30≤60	0	0	64.26	0.00	0.00
>60	0	0	64.26	0.00	0.00

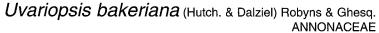
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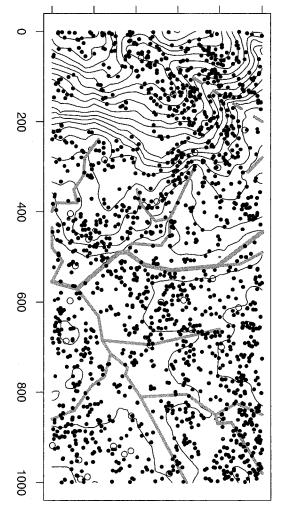
500



UVBA. Treelet, seldom exceeding 7 cm dbh and 4 m tall. Flowers cauliflorous, monoecious, fruits of several red mericarps, about 5 cm long, fleshy mesocarp, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, but only in Nigeria and Cameroon. *Conservation status*: Rare=3.

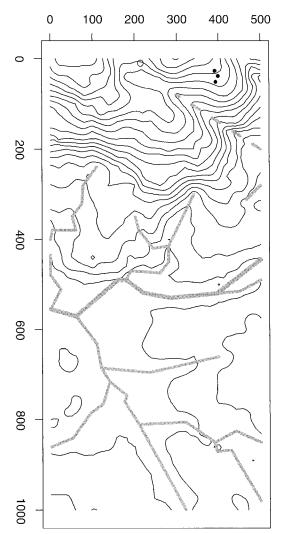
Stem count, total/50 ha = 1629, Species rank = 44

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	917	18.34	18.34	56.29	0.66
>2≤3	443	8.86	27.2	27.19	0.67
>3≤4	175	3.5	30.7	10.74	0.47
>4≤5	64	1.28	31.98	3.93	0.28
>5≤10	29	0.58	32.56	1.78	0.07
>10≤20	1	0.02	32.58	0.06	0.01
>20≤30	0	0	32.58	0.00	0.00
>30≤60	0	0	32.58	0.00	0.00
>60	0	0	32.58	0.00	0.00



Uvariopsis congolana (De Wild.) R.E.Fr. ANNONACEAE

UVCO. Treelet or small tree about 5 m tall. Monoecious, cauliflorous on lower trunk, flowers and fruits on long stalks, mostly on the ground. Fruits fleshy, mericarps up to 8 cm long, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea. *Conservation status*: Rare=3.



Stem count, total/50 ha = 4, Species rank = 421

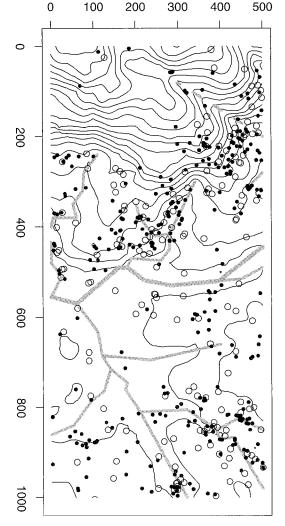
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	25.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	1	0.02	0.04	25.00	0.00
>4≤5	1	0.02	0.06	25.00	0.00
>5≤10	1	0.02	0.08	25.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00

Uvariopsis korupensis Gereau & Kenfack ANNONACEAE

UVAI. Small tree, to about 25 cm dbh, 15 m tall. Monoecious, cauliflorous mostly near base of trunk. Fruits with mericarps about 6 cm long, yellow, fleshy, animal-dispersed. *Taxonomic notes*: Newly-described species, type from Korup. *Det. level*: F1,G1,S1. *Distribution*: Endemic to the Korup area. *Conservation status*: Rare=1.

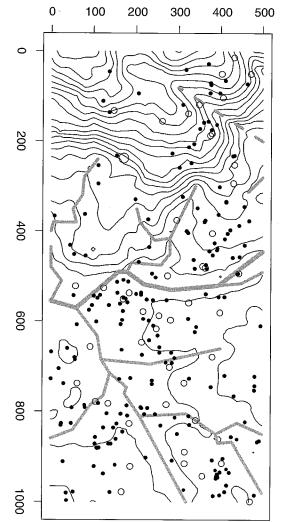
Stem count, total/50 ha = 490, Species rank = 105

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	137	2.74	2.74	27.96	0.10
>2≤3	73	1.46	4.2	14.90	0.11
>3≤4	62	1.24	5.44	12.65	0.17
>4≤5	50	1	6.44	10.20	0.22
>5≤10	142	2.84	9.28	28.98	0.36
>10≤20	26	0.52	9.8	5.31	0.18
>20≤30	0	0	9.8	0.00	0.00
>30≤60	0	0	9.8	0.00	0.00
>60	0	0	9.8	0.00	0.00



Xylopia acutiflora (Dunal) A.Rich. ANNONACEAE

XYAC. Medium-sized tree, seldom exceeding 20 cm dbh, 20 tall. Flowers bisexual, fruits of up to 15 mericarps, long, torilose, green, aril very small, animal-dispersed. *Det. level*: F1,G1,S1 *Distribution*: Forests of Upper and Lower Guinea and Congo Basin, often in second growth. *Conservation status*: Common.



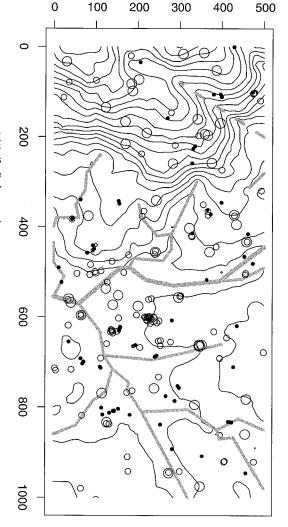
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	133	2.66	2.66	54.51	0.10
>2≤3	32	0.64	3.3	13.11	0.05
>3≤4	18	0.36	3.66	7.38	0.05
>4≤5	14	0.28	3.94	5.74	0.06
>5≤10	22	0.44	4.38	9.02	0.06
>10≤20	24	0.48	4.86	9.84	0.16
>20≤30	0	0	4.86	0.00	0.00
>30≤60	1	0.02	4.88	0.41	0.03
>60	0	0	4.88	0.00	0.00

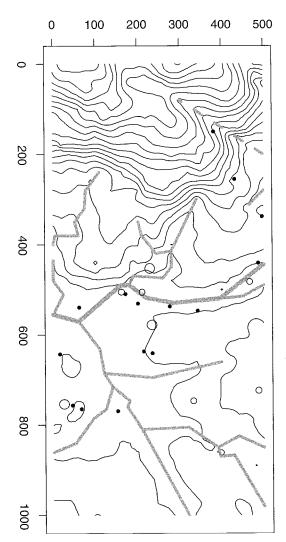
Xylopia aethiopica (Dunal) A.Rich. ANNONACEAE

XYAE. Tall tree with a rather compact crown, up to 30 m tall, 60 cm dbh. Flowers bisexual, fruits bunches of finger-like, leathery green mericarps, dehiscent to expose black seeds and red arils, bird-dispersed. Fruits used as spice, sheets of bark used for construction, fruits and bark used medicinally, wood used locally for planks and poles. Called *ukam* (Durop), *bokei* (Oroko). *Det. level*: F1,G1,S1. *Distribution*: Tropical Africa in evergreen and semi-deciduous forest. *Conservation status*: Common.

Stem count, total/50 ha = 217, Species rank = 152

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	24	0.48	0.48	11.06	0.02
>2≤3	22	0.44	0.92	10.14	0.03
>3≤4	15	0.3	1.22	6.91	0.04
>4≤5	7	0.14	1.36	3.23	0.03
>5≤10	29	0.58	1.94	13.36	0.07
>10≤20	33	0.66	2.6	15.21	0.22
>20≤30	41	0.82	3.42	18.89	0.77
>30≤60	45	0.9	4.32	20.74	1.24
>60	1	0.02	4.34	0.46	0.19





XYVI. Medium- to large-sized tree, to 40 cm dbh, 30 m tall. Flowers bisexual, fruits with several mericarps, 6 cm long, animal-dispersed. *Det. level*: F1,G1,S2. *Distribution*: Mostly Upper Guinea. *Conservation status*: Rare=3.

Stem count, total/50 ha = 23, Species rank = 320

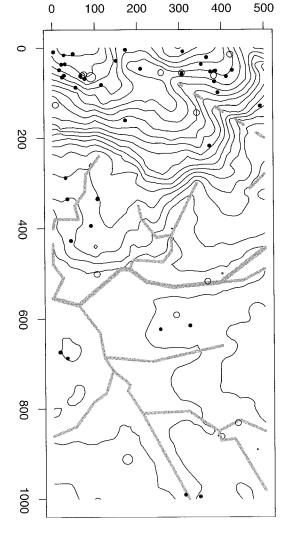
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	39.13	0.01
>2≤3	4	0.08	0.26	17.39	0.01
>3≤4	1	0.02	0.28	4.35	0.00
>4≤5	1	0.02	0.3	4.35	0.00
>5≤10	0	0	0.3	0.00	0.00
>10≤20	3	0.06	0.36	13.04	0.02
>20≤30	2	0.04	0.4	8.70	0.04
>30≤60	3	0.06	0.46	13.04	0.08
>60	0	0	0.46	0.00	0.00

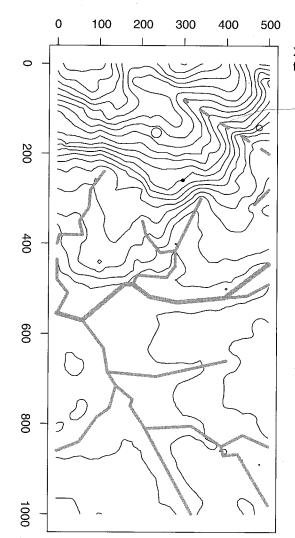
Xylopia sp. "UVAR" ANNONACEAE

UVAR. Medium-sized tree to 40 cm dbh, about 25 m tall. Flowers probably bisexual, fruits animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 55, Species rank = 265

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	28	0.56	0.56	50.91	0.02
>2≤3	9	0.18	0.74	16.36	0.01
>3≤4	3	0.06	0.8	5.45	0.01
>4≤5	1	0.02	0.82	1.82	0.00
>5≤10	6	0.12	0.94	10.91	0.02
>10≤20	3	0.06	1	5.45	0.02
>20≤30	3	0.06	1.06	5.45	0.06
>30≤60	2	0.04	1.1	3.64	0.06
>60	0	0	1.1	0.00	0.00





XYLO. Medium-sized tree, to 40 cm dbh, about 25 m tall. Flowers probably bisexual, fruits animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3, Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	33.33	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	1	0.02	0.04	33.33	0.02
>30≤60	1	0.02	0.06	33.33	0.03
>60	0	0	0.06	0.00	0.00

0

100

200

300

400

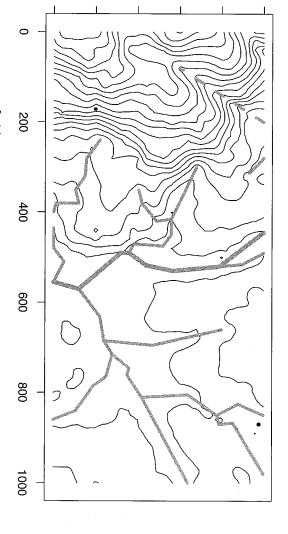
500

Annonaceae sp. "ANNV" ANNONACEAE

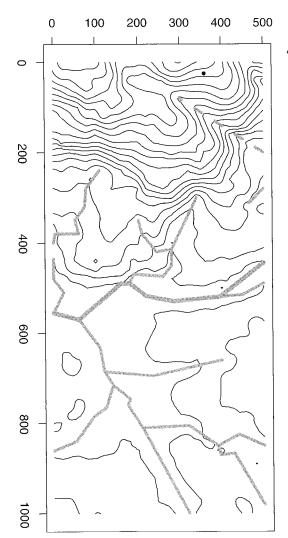
ANNV. Small tree. Det. level: F1,G3,S3. Distribution: Not known.

Stem count, total/50 ha = 2, Species rank = 444

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	100.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00







Stem count, total/50 ha = 1, Species rank = 462

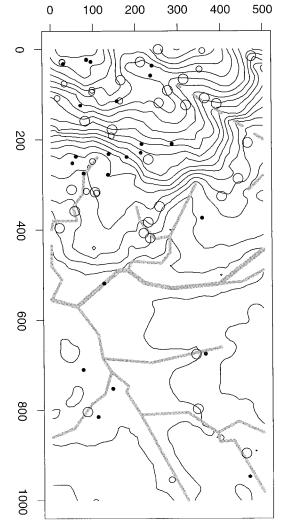
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	1	0.02	0.02	100.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

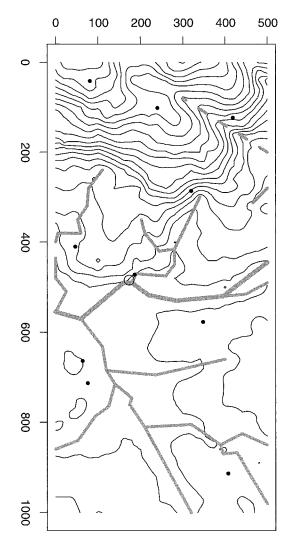
Alstonia boonei De Wild. APOCYNACEAE

ALBO. Large tree, to 30 m tall, can exceed 100 cm dbh. Flowers bisexual, fruits long, dehiscent, seeds wind-dispersed. Used for timber, trade name = *emien*, bark used medicinally. *Bokoka*, *kanjah* (Oroko), *kanakate* (Durop). *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 66, Species rank = 252

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	16.67	0.01
>2≤3	6	0.12	0.34	9.09	0.01
>3≤4	2	0.04	0.38	3.03	0.01
>4≤5	5	0.1	0.48	7.58	0.02
>5≤10	4	0.08	0.56	6.06	0.01
>10≤20	5	0.1	0.66	7.58	0.03
>20≤30	5	0.1	0.76	7.58	0.09
>30≤60	12	0.24	1	18.18	0.33
>60	16	0.32	1.32	24.24	3.03





FUEL. Medium-sized tree, often in secondary forest, to 60 cm or more dbh, 20 m tall, medium-sized crown. Fruits long, dehiscent, seeds wind-dispersed. *Mobaybay* (Oroko). *Taxonomic notes*: Easily confused with *F. africana. Det. level*: F1,G1,S2. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 11, Species rank = 366

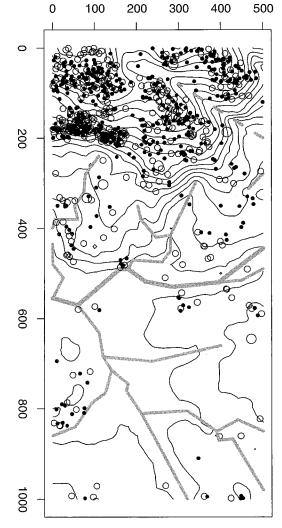
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	63.64	0.01
>2≤3	1	0.02	0.16	9.09	0.00
>3≤4	2	0.04	0.2	18.18	0.01
>4≤5	0	0	0.2	0.00	0.00
>5≤10	0	0	0.2	0.00	0.00
>10≤20	0	0	0.2	0.00	0.00
>20≤30	0	0	0.2	0.00	0.00
>30≤60	1	0.02	0.22	9.09	0.03
>60	0	0	0.22	0.00	0.00

Hunteria umbellata (K.Schum.) Hallier f. APOCYNACEAE

HUUM. Small tree, branched very low with a spreading crown, often on rocks. Flowers bisexual, fruits indehiscent, fleshy, animal-dispersed. *Taxonomic notes*: Very similar to *H. camerunensis*, which has smaller flowers. *Det. level:* F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

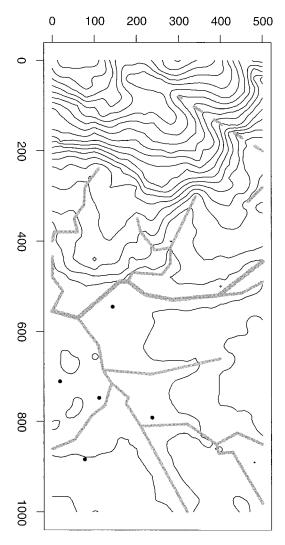
Stem count, total/50 ha = 873, Species rank = 71

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	372	7.44	7.44	42.61	0.27
>2≤3	107	2.14	9.58	12.26	0.16
>3≤4	47	0.94	10.52	5.38	0.13
>4≤5	26	0.52	11.04	2.98	0.11
>5≤10	101	2.02	13.06	11.57	0.25
>10≤20	137	2.74	15.8	15.69	0.93
>20≤30	71	1.42	17.22	8.13	1.33
>30≤60	12	0.24	17.46	1.37	0.33
>60	0	0	17.46	0.00	0.00



Pleiocarpa bicarpellata stapf APOCYNACEAE

PLEI. Small tree to about 6 cm dbh, 3 m tall. Flowers bisexual, fruits indehiscent, fleshy, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.



Stem count, total/50 ha = 6, Species rank = 407

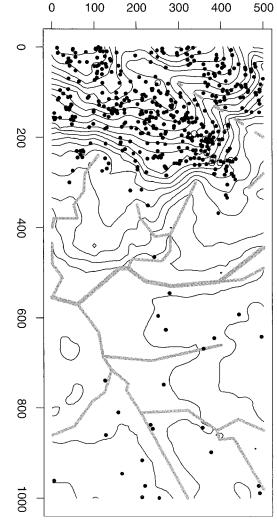
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	50	0.00
>2≤3	0	0	0.06	0.00	0.00
>3≤4	1	0.02	0.08	16.67	0.00
>4≤5	1	0.02	0.1	16.67	0.00
>5≤10	1	0.02	0.12	16.67	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00

Pleiocarpa rostrata Benth. APOCYNACEAE

PLTA. Small tree, less than 10 cm dbh, 5 m tall. Flowers bisexual, fruits indehiscent, fleshy, animal-dispersed. Taxonomic notes: Easily identified from the rugose dried fruits. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 481, Species rank = 107

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	331	6.62	6.62	68.81	0.24
>2≤3	88	1.76	8.38	18.30	0.13
>3≤4	38	0.76	9.14	7.90	0.10
>4≤5	16	0.32	9.46	3.33	0.07
>5≤10	8	0.16	9.62	1.66	0.02
>10≤20	0	0	9.62	0.00	0.00
>20≤30	0	0	9.62	0.00	0.00
>30≤60	0	0	9.62	0.00	0.00
>60	0	0	9.62	0.00	0.00



Rauvolfia caffra Sond. APOCYNACEAE

RAMA. Medium-sized tree, often in secondary forest, to 70 cm or more dbh, to about 20 m tall. Flowers bisexual, fruits small, animal-dispersed. Used medicinall, timber used locally. *Det. level:* F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 49, Species rank = 274

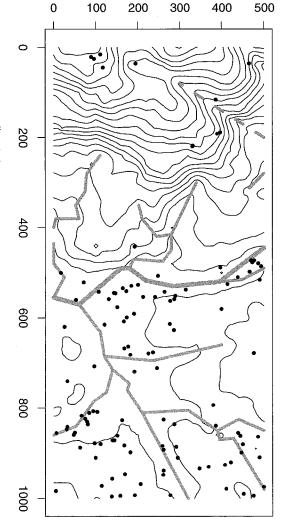
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	18.37	0.01
>2≤3	6	0.12	0.3	12.24	0.01
>3≤4	3	0.06	0.36	6.12	0.01
>4≤5	3	0.06	0.42	6.12	0.01
>5≤10	4	0.08	0.5	8.16	0.01
>10≤20	6	0.12	0.62	12.24	0.04
>20≤30	5	0.1	0.72	10.20	0.09
>30≤60	7	0.14	0.86	14.29	0.19
>60	6	0.12	0.98	12.24	1.14

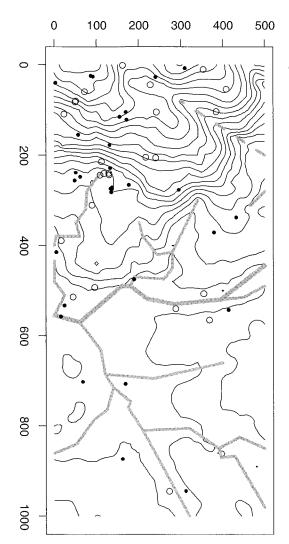
Rauvolfia mannii Stapf APOCYNACEAE

VOA2. Shrubby treelet, to about 2 m tall. Flowers bisexual, fruits small, red, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 115, Species rank = 203

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	113	2.26	2.26	98.26	0.08
>2≤3	2	0.04	2.3	1.74	0.00
>3≤4	0	0	2.3	0.00	0.00
>4≤5	0	0	2.3	0.00	0.00
>5≤10	0	0	2.3	0.00	0.00
>10≤20	0	0	2.3	0.00	0.00
>20≤30	0	0	2.3	0.00	0.00
>30≤60	0	0	2.3	0.00	0.00
>60	0	0	2.3	0.00	0.00





RAVO. Small- to medium-sized tree, often in secondary forest, roadsides, up to 50 cm dbh, 15 m tall. Flowers bisexual, fruits small, orange, animal-dispersed. Medicinal uses. Flowers probably bisexual, fruits animal-dispersed usused (Durop). Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.

Stem count, total/50 ha = 56, Species rank = 263

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	19.64	0.01
>2≤3	6	0.12	0.34	10.71	0.01
>3≤4	10	0.2	0.54	17.86	0.03
>4≤5	4	0.08	0.62	7.14	0.02
>5≤10	15	0.3	0.92	26.79	0.04
>10≤20	4	0.08	1.00	7.14	0.03
>20≤30	6	0.12	1.12	10.71	0.11
>30≤60	0	0	1.12	0.00	0.00
>60	0	0	1.12	0.00	0.00

0

100

200

300

400

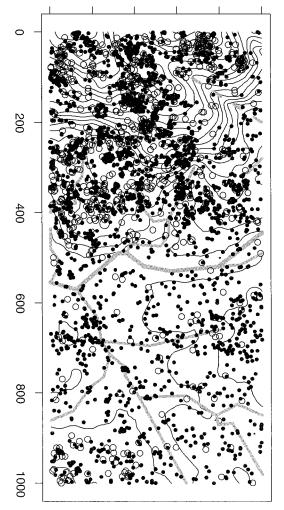
500

Tabernaemontana brachyantha Stapf APOCYNACEAE

TABR. Medium-sized tree, to about 40 cm dbh, 20 m tall. Flowers bisexual, fruits large, animal-dispersed. Medicinal uses. *Elongolongo* (Oroko), *ubebeki* (Durop). *Taxonomic notes*: Vegetative *T.* spp. are all rather similar, there may be some confusion with between this species and *T. crassa*. The corollas are very distinctive. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

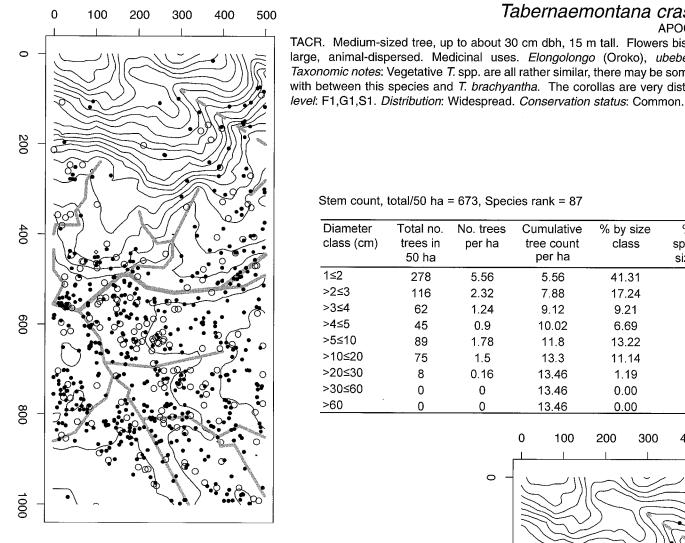
Stem count, total/50 ha = 3583, Species rank = 20

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1876	37.52	37.52	52.36	1.36
>2≤3	517	10.34	47.86	14.43	0.78
>3≤4	274	5.48	53.34	7.65	0.73
>4≤5	157	3.14	56.48	4.38	0.68
>5≤10	291	5.82	62.3	8.12	0.73
>10≤20	322	6.44	68.74	8.99	2.19
>20≤30	136	2.72	71.46	3.80	2.55
>30≤60	10	0.2	71.66	0.28	0.28
>60	0	0	71.66	0.00	0.00



Tabernaemontana crassa Benth. **APOCYNACEAE**

TACR. Medium-sized tree, up to about 30 cm dbh, 15 m tall. Flowers bisexual, fruits large, animal-dispersed. Medicinal uses. Elongolongo (Oroko), ubebeki (Durop). Taxonomic notes: Vegetative T. spp. are all rather similar, there may be some confusion with between this species and T. brachyantha. The corollas are very distinctive. Det.



Stem count, total/50 ha = 673, Species rank = 87

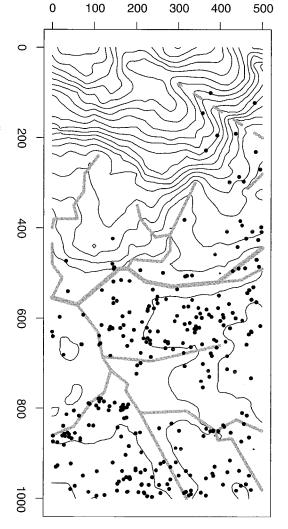
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	278	5.56	5.56	41.31	0.20
>2≤3	116	2.32	7.88	17.24	0.17
>3≤4	62	1.24	9.12	9.21	0.17
>4≤5	45	0.9	10.02	6.69	0.19
>5≤10	89	1.78	11.8	13.22	0.22
>10≤20	75	1.5	13.3	11.14	0.51
>20≤30	8	0.16	13.46	1.19	0.15
>30≤60	0	0	13.46	0.00	0.00
>60	0	0	13.46	0.00	0.00

Voacanga psilocalyx Pierre ex Stapf **APOCYNACEAE**

VOAI. Treelet to 4 m tall. Flowers white, bisexual, on long pendulous terminal inflorescence. Fruit in pairs, about 7 cm long and 5 cm diameter, animal dispersed. Taxonomic Notes: Synonym, V. bracteata var. zenkeri. Det. level: F1,G1,S1. Distribution: Lower Guinea, from SE Nigeria to Gabon and Congo. Conservation status: Common.

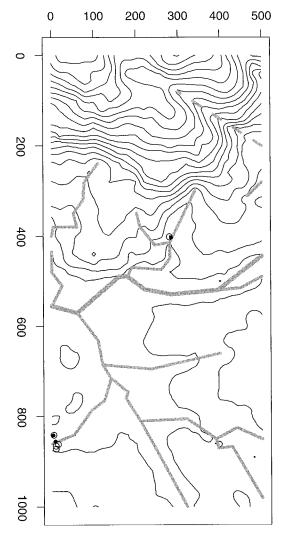
Stem count, total/50 ha = 299, Species rank = 129

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	265	5.3	5.3	88.63	0.19
>2≤3	31	0.62	5.92	10.37	0.05
>3≤4	3	0.06	5.98	1.00	0.01
>4≤5	0	0	5.98	0.00	0.00
>5≤10	0	0	5.98	0.00	0.00
>10≤20	0	0	5.98	0.00	0.00
>20≤30	0	0	5.98	0.00	0.00
>30≤60	0	0	5.98	0.00	0.00
>60	0	0	5.98	0.00	0.00



Kigelia africana (Lam.) Benth. BIGNONIACEAE

KIAF. Medium-sized tree to about 25 m tall. Flowers bisexual, large, bird-pollinated. Fruits large, indehiscent, dispersed by elephants and possibly other mammals. *Det. level:* F1,G1,S1. *Distribution:* Tropical Africa in moist and dry forests. *Conservation status:* Common.



Stem count, total/50 ha = 8, Species rank = 384

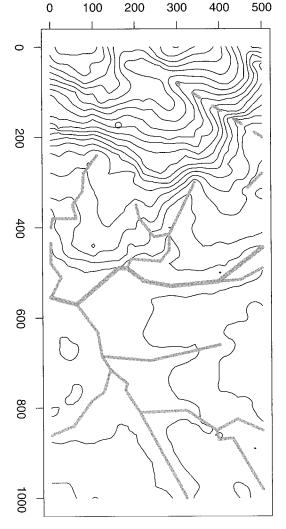
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	12.50	0.00
>2≤3	1	0.02	0.04	12.50	0.00
>3≤4	1	0.02	0.06	12.50	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	4	0.08	0.14	50.00	0.01
>10≤20	1	0.02	0.16	12.50	0.01
>20≤30	0	0	0.16	0.00	0.00
>30≤60	0	0	0.16	0.00	0.00
>60	0	0	0.16	0.00	0.00

Spathodea campanulata P.Beauv. BIGNONICAEAE

SPCA. Medium- to large-sized tree, often secondary, up to about 70 cm dbh, 30 m tall. Flowers large, bisexual, bird-pollinated, fruits dehiscent, seeds wind-dispersed. Often planted as an ornamental. *Det. level*: F1,G1,S1. *Distribution*: Tropical Africa. *Conservation status*: Common.

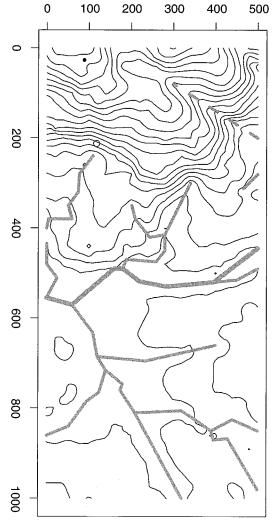
Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	1	0.02	0.02	100.00	0.01
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Ceiba pentandra (Linn.) Gaertn. BOMBACACEAE

CEPE. Very large tree, often secondary, with large buttresses, up to 2 m dbh above the buttresses, 50 m tall. Flowers bisexual, bat-pollinated, fruits dehiscent, wind-dispersed. Some timber uses, trade name *kapokier*. *Boma* (Oroko). Wood soft and light, density 0.3-0.4. Seed fiber used as filling for bedding etc. (kapok). *Det. level*: F1,G1,S1. *Distribution*: Tropical Africa &etc. *Conservation status*: Common.



Stem count, total/50 ha = 2, Species rank = 444

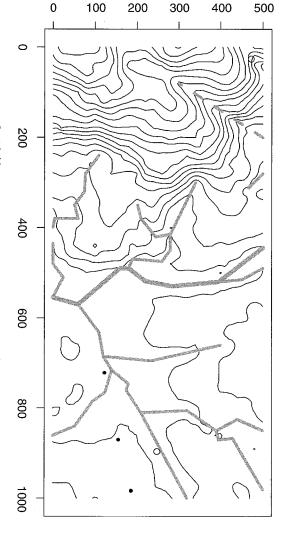
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	1	0.02	0.04	50.00	0.01
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00

Cordia sp. "SIFB" BORAGINACEAE

SIFB. Small tree? Up to 20 cm dbh in the plot. *Det. level*: F1,G1,S3. *Distribution*: Not known.

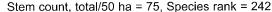
Stem count, total/50 ha = 5, Species rank = 414

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	2	0.04	0.04	40.00	0.003
>3≤4	0	0	0.04	0.00	0.00
>4≤5	1	0.02	0.06	20.00	0.004
>5≤10	0	0	0.06	0.00	0.00
>10≤20	2	0.04	0.1	40.00	0.01
>20≤30	0	0	0.1	0.00	0.00
>30≤60	0	0	0.1	0.00	0.00
>60	0	0	0.1	0.00	0.00

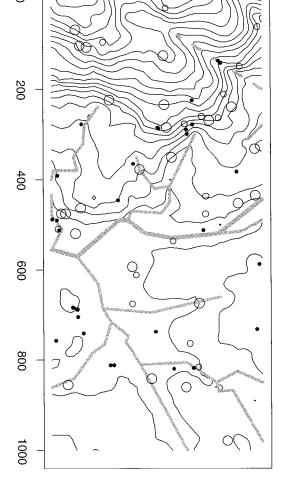


Dacryodes edulis (G.Don) H.L.Lam **BURSERACEAE**

DAED. Medium- to large-sized tree with a medium crown, up to 80 cm dbh, 30 m tall, flowers bisexual? Fruits plum-sized with single large seed, animal-dispersed. Local names: safoutier, bush plom. (Oroko) bosang, bosouo. Cultivated trees only about 10 m tall with a spreading crown, wild trees much taller. Fruits edible, those from cultivated trees eaten and sold throughout the forest zone, those from wild trees are seldom eaten. Harvests from cultivated trees are often wrongly described as non-timber forest products. Resin used in traditional medicine, and as a fire-lighter. Taxonomic notes: There are several cultivars or varieties, and the cultivated fruits are mostly larger than those from the wild trees. Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.



Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	20	0.4	0.4	26.67	0.01
>2≤3	11	0.22	0.62	14.67	0.02
>3≤4	1	0.02	0.64	1.33	0.00
>4≤5	3	0.06	0.7	4.00	0.01
>5≤10	4	0.08	0.78	5.33	0.01
>10≤20	5	0.1	0.88	6.67	0.03
>20≤30	7	0.14	1.02	9.33	0.13
>30≤60	22	0.44	1.46	29.33	0.61
>60	2	0.04	1.5	2.67	0.38



0

100

200

300

400

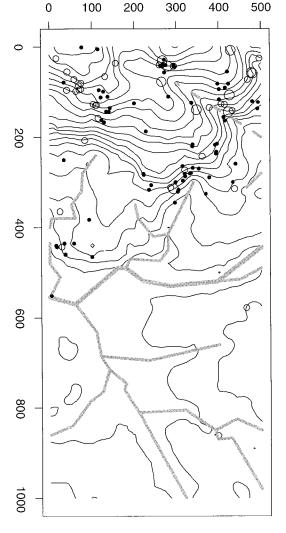
500

Dacryodes klaineana (Pierre) H.J.Lam BURSERACEAE

DAKL. Medium-sized tree with a medium-sized crown, to about 50 cm dbh and 20 m Flowers bisexual? Fruits orange-colored with a single large seed, animaldispersed. The fruits are not regarded as edible in the Korup area, though are eaten elsewhere. Taxonomic notes: Often confused with D. macrophylla. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

Stem count, total/50 ha = 114, Species rank = 204

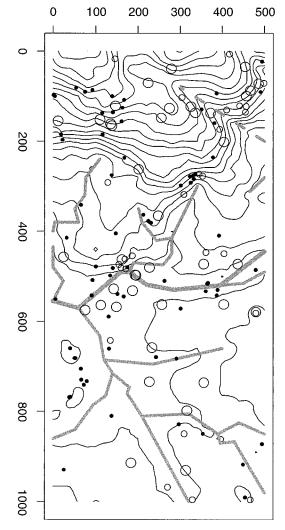
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	40	0.8	0.8	35.09	0.03
>2≤3	16	0.32	1.12	14.04	0.02
>3≤4	11	0.22	1.34	9.65	0.03
>4≤5	6	0.12	1.46	5.26	0.03
>5≤10	7	0.14	1.6	6.14	0.02
>10≤20	6	0.12	1.72	5.26	0.04
>20≤30	18	0.36	2.08	15.79	0.34
>30≤60	10	0.2	2.28	8.77	0.28
>60	0	0	2.28	0.00	0.00



500

Santiria balsamifera Oliv.

BURSERACEAE



SATR. Medium- to large-sized tree, up to 60 cm dbh above stilt roots, 30 m tall, crown medium-sized, base with many large flattened stilt roots. Flowers bisexual? Fruits about 2.5 cm, flattened, bluish-green, single seeded, animal-dispersed. Taxonomic notes: Called S. trimera (Oliv.) Aubrév. in FWTA, from which it is separated by the leaf shape and other characters. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

Stem count, total/50 ha = 138, Species rank = 192

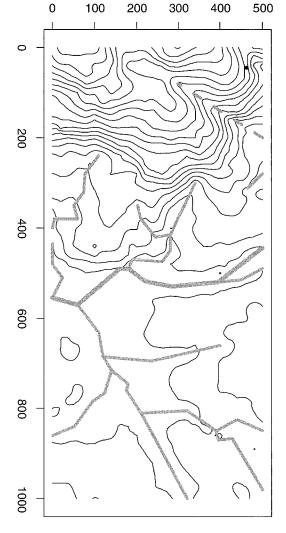
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	34.06	0.03
>2≤3	14	0.28	1.22	10.14	0.02
>3≤4	6	0.12	1.34	4.35	0.02
>4≤5	5	0.1	1.44	3.62	0.02
>5≤10	5	0.1	1.54	3.62	0.01
>10≤20	6	0.12	1.66	4.35	0.04
>20≤30	15	0.3	1.96	10.87	0.28
>30≤60	39	0.78	2.74	28.26	1.08
>60	1	0.02	2.76	0.72	0.19

Ritchiea sp "RITC" CAPPARIDACEAE (Brassicaceae¹)

RITC. Treelet, one stem over 10 mm, usually smaller. Det. level: F1,G1,S3. Distribution: Not known.

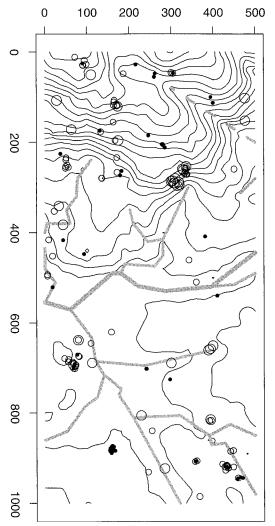
Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.001
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Musanga cecropioides R.Br. ex Tedlie CECROPIACEAE (Urticaceae¹, Moraceae³)

MUCE. Pioneer tree, fast-growing, base often with stilt roots, usually small and short-lived, especially in large clearing, but gets much larger in forest treefall gaps, up to 25 m tall, 1.0 m dbh. Dioecious, fruits fleshy, animal-dispersed (bats etc.), numerous small seeds. Trade name: *parasolier*. (Oroko) *bokombo*, (Korup) *ukweng*, *okweng*. The very light wood has local uses, such as for carving, furniture, and the bark is used medicinally. *Det. level:* F1,G1,S1. *Distribution*: Tropical Africa. *Conservation status*: Common.



Stem count, total/50 ha = 169, Species rank = 175

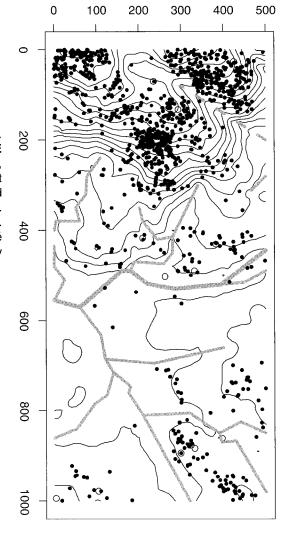
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	33	0.66	0.66	19.53	0.02
>2≤3	11	0.22	0.88	6.51	0.02
>3≤4	7	0.14	1.02	4.14	0.02
>4≤5	8	0.16	1.18	4.73	0.03
>5≤10	19	0.38	1.56	11.24	0.05
>10≤20	36	0.72	2.28	21.30	0.24
>20≤30	25	0.5	2.78	14.79	0.47
>30≤60	29	0.58	3.36	17.16	0.80
>60	1	0.02	3.38	0.59	0.19

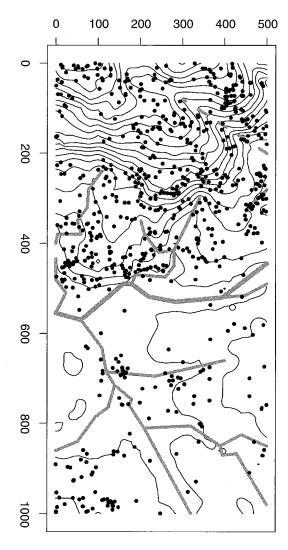
Salacia lehmbachii Loes. CELASTRACEAE

SAL2. Small tree, less than 10 cm dbh and 4 m tall. Flowers bisexual, fruits elongated, about 7 to 8 cm long, fleshy and animal-dispersed, with few largish seeds, each about 2.2 cm long. *Taxonomic notes*: A variable species with several varieties that do or could occur in Cameroon (Hallé in FC vol. 32); need to determine to subspecific level. *Det. level*: F1,G1,S1,V3 *Distribution*: A widespread and variable species in tropical Africa. However, some of the vars. have narrow distribution, notably *S. l. pesranulae* Hallé from S. E. Nigeria and Cameroon. *Conservation status*: Species is common but variety may be rare.

Stem count, total/50 ha = 1104, Species rank = 58

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	569	11.38	11.38	51.54	0.41
>2≤3	349	6.98	18.36	31.61	0.53
>3≤4	138	2.76	21.12	12.50	0.37
>4≤5	35	0.7	21.82	3.17	0.15
>5≤10	13	0.26	22.08	1.18	0.03
>10≤20	0	0	22.08	0.00	0.00
>20≤30	0	0	22.08	0.00	0.00
>30≤60	0	0	22.08	0.00	0.00
>60	0	0	22.08	0.00	0.00





SALI. Small tree, seldom more than 5 cm dbh and 4 m tall. Flowers bisexual, fruits ovoid, c. 7 cm long, fleshy and animal-dispersed with few largish seeds up to 3 cm. *Taxonomic notes*: The var. *Ioloensis* determination needs to be confirmed; this is the most likely var., since it was previously collected from Korup (D. W. Thomas 1174, cited in FC vol. 32, p. 59). *Det. level*: F1,G1,S1, V2. *Distribution*: Lower Guinea endemic. *Conservation status*: Apparently common.

Stem count, total/50 ha = 738, Species rank = 78

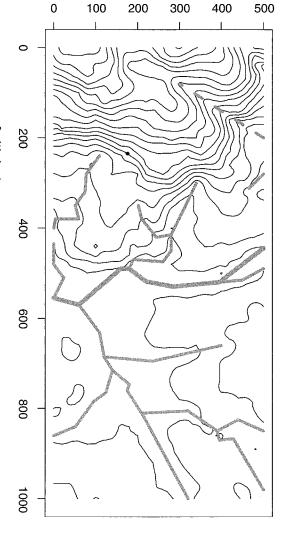
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	524	10.48	10.48	71.00	0.38
>2≤3	187	3.74	14.22	25.34	0.28
>3≤4	25	0.5	14.72	3.39	0.07
>4≤5	1	0.02	14.74	0.14	0.004
>5≤10	1	0.02	14.76	0.14	0.003
>10≤20	0	0	14.76	0.00	0.00
>20≤30	0	0	14.76	0.00	0.00
>30≤60	0	0	14.76	0.00	0.00
>60	0	0	14.76	0.00	0.00

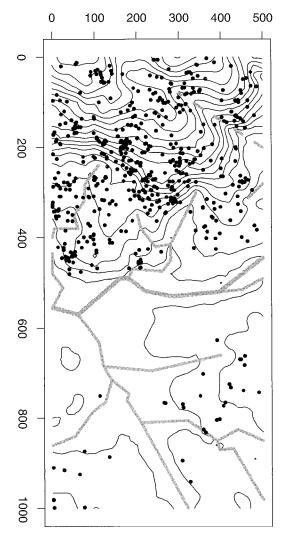
Salacia sp. "SAAB" CELASTRACEAE

SAAB. Small tree. Flowers probably bisexual, fruits probably fleshy and animal-dispersed with few medium-sized seeds. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

				•	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	100.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00





SALS. Small tree, less than 4 cm dbh and 3 m tall. Flowers bisexual, fruits fleshy and animal-dispersed, with few, largish seeds. *Taxonomic notes*: This distinctive *Salacia* species with large leaves and purple flowers is probably the undescribed "sp. A" of FWTA, known from Korup and from the Mount Cameroon area. *Det. level*: F1,G1,S3. *Distribution*: Cameroon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 564, Species rank = 99

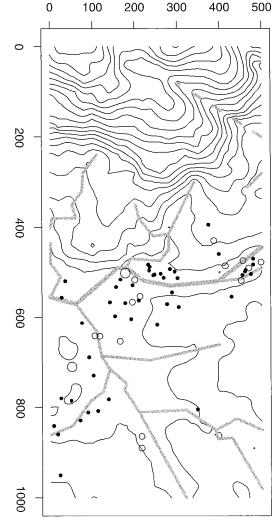
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	553	11.06	11.06	98.05	0.40
>2≤3	10	0.2	11.26	1.77	0.02
>3≤4	1	0.02	11.28	0.18	0.003
>4≤5	0	0	11.28	0.00	0.00
>5≤10	0	0	11.28	0.00	0.00
>10≤20	0	0	11.28	0.00	0.00
>20≤30	0	0	11.28	0.00	0.00
>30≤60	0	0	11.28	0.00	0.00
>60	0	0	11.28	0.00	0.00

Chrysobalanus icaco Linn. subsp. atacorensis (A. Chev.) F. White CHRYSOBALANACEAE

WIRG. Medium-sized tree with fluted bole, to 40 cm dbh and 20 m tall. Flowers bisexual, fruits about 5 cm long, fleshy and animal-dispersed, with a single large seed, fruits edible. *Det. level*: F1,G1,S1,V1. *Distribution*: Widespread in tropical Africa. *Conservation status*: Common.

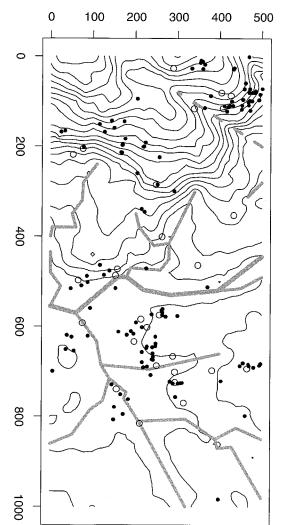
Stem count, total/50 ha = 62 Species rank = 258

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	19	0.38	0.38	30.65	0.01
>2≤3	12	0.24	0.62	19.35	0.02
>3≤4	9	0.18	0.8	14.52	0.02
>4≤5	6	0.12	0.92	9.68	0.03
>5≤10	8	0.16	1.08	12.90	0.02
>10≤20	4	0.08	1.16	6.45	0.03
>20≤30	2	0.04	1.20	3.23	0.04
>30≤60	2	0.04	1.24	3.23	0.06
>60	0	0	1.24	0.00	0.00



Dactyladenia pallescens (Baill.) Prance & F. White CHRYSOBALANACEAE

ACI2. Small- to medium-sized tree, up to 30 cm dbh and 15 m tall. Flowers bisexual, fruits about 3 cm long with thin mesocarp, one or two large seeds, animal-dispersed. *Taxonomic notes*: FC, FWTA syn. *Acioia pallescens* Baill. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea, endemic. *Conservation status*: Common.



Stem count, total/50 ha = 155, Species rank = 184

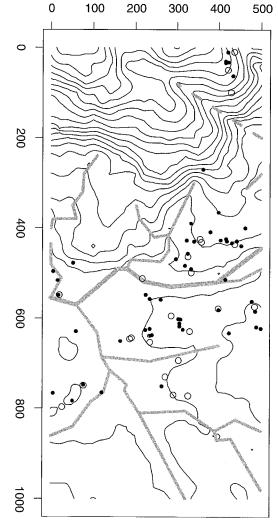
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	70	1.4	1.4	45.16	0.05
>2≤3	30	0.6	2	19.35	0.05
>3≤4	18	0.36	2.36	11.61	0.05
>4≤5	9	0.18	2.54	5.81	0.04
>5≤10	16	0.32	2.86	10.32	0.04
>10≤20	7	0.14	3	4.52	0.05
>20≤30	5	0.1	3.1	3.23	0.09
>30≤60	0	0	3.1	0.00	0.00
>60	0	0	3.1	0.00	0.00

Dactyladenia staudtii (Engl.) Prance & F. White CHRYSOBALANACEAE

ACST. Small tree, up to c. 15 cm dbh, 10 m tall (14 m according to F. du C.). Flowers bisexual, fruits not known, probably medium-sized with 1 or 2 largish seeds and thin endocarp, animal-dispersed. *Taxonomic notes*: FC, FWTA syn. *Acioa staudtii* Engl. *A. talbotii* Bak.f., known only from the type from near Korup, is very similar to and probably synonymous with *D. staudtii*. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea, endemic. *Conservation status*: Apparently uncommon, rare=3.

Stem count, total/50 ha = 75, Species rank = 242

Diameter Total	al no. No. t	rees Cumu	ative % by s	- 0/ - C - II
, ,	es in per) ha	ha tree c	ount class	
1≤2	20 0.	.4 0.	4 26.6	7 0.01
>2≤3	16 0.:	32 0.7	⁷ 2 21.33	3 0.02
>3≤4	12 0.2	24 0.9	96 16.00	0.03
>4≤5	4 0.0	08 1.0)4 5.33	0.02
>5≤10	19 0.:	38 1.4	25.33	3 0.05
>10≤20	4 0.0	08 1.	5 5.33	0.03
>20≤30	0 (1.	5 0.00	0.00
>30≤60	0 (1.	5 0.00	0.00
>60	0 (1.	5 0.00	0.00



Licania elaeosperma (Mildbr.) Prance & F.White CHRYSOBALANACEAE

LIEL. Medium-sized tree to 20 m tall and 20-50 cm dbh, with irregular trunk, sometimes with holes. Flowers bisexual, in long axillary panicles. Fruits brown, ovoid, about 5 cm long, 3.5 cm wide, animal-dispersed. *Taxonomic notes*: Only one species in Africa, but about 150 in South America. *Det. level*: F1,G1,S1. *Distribution*: Upper and lower Guinea, from Sierra Leone to Gabon and Congo, in coastal forest. *Conservation status*: Common

Stem count, total/50 ha = 2, Species rank = 444

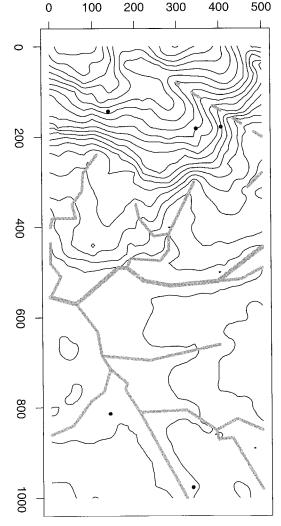
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	2	0.04	0.04	100.00	0.06
>60	0	0	0.04	0.00	0.00

Magnistipula cuneatifolia Hauman CHRYSOBALANACEAE

CHR2. Large tree with a dense spreading crown (saplings only in the plot). Flowers bisexual, fruits probably animal-dispersed. *Taxonomic notes*: Rare species from a difficult genus, need to check fertile material. *Det. level*: F1,G1,S2. *Distribution*: Endemic to the forests of Lower Guinea. *Conservation status*: Rare=2.

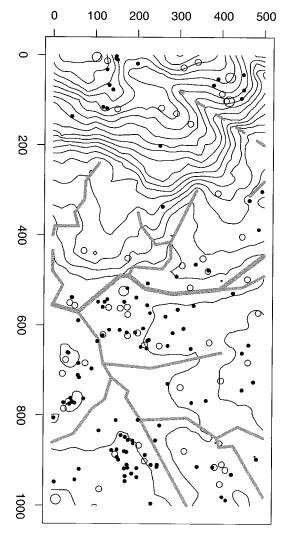
Stem count, total/50 ha = 5, Species rank = 414

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	60.00	0.00
>2≤3	1	0.02	0.08	20.00	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	1	0.02	0.1	20.00	0.00
>5≤10	0	0	0.1	0.00	0.00
>10≤20	0	0	0.1	0.00	0.00
>20≤30	0	0	0.1	0.00	0.00
>30≤60	0	0	0.1	0.00	0.00
>60	0	0	0.1	0.00	0.00



Magnistipula glaberrima Engl. CHRYSOBALANACEAE

MAGL. Small- to medium-sized tree with a dense, medium-sized crown. Up to 50 cm dbh, about 15 m tall. Flowers bisexual, fruits probably animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Endemic to the forests of Lower Guinea, where it is common.



Stem count, total/50 ha = 167, Species rank = 177

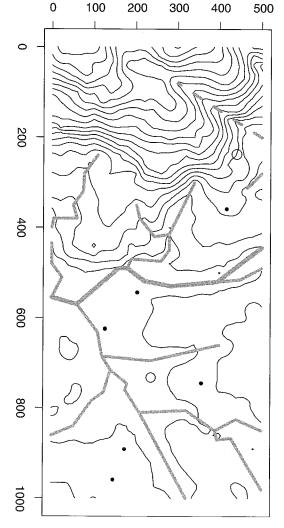
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	59	1.18	1.18	35.33	0.04
>2≤3	25	0.5	1.68	14.97	0.04
>3≤4	21	0.42	2.1	12.57	0.06
>4≤5	9	0.18	2.28	5.39	0.04
>5≤10	23	0.46	2.74	13.77	0.06
>10≤20	16	0.32	3.06	9.58	0.11
>20≤30	9	0.18	3.24	5.39	0.17
>30≤60	5	0.1	3.34	2.99	0.14
>60	0	0	3.34	0.00	0.00

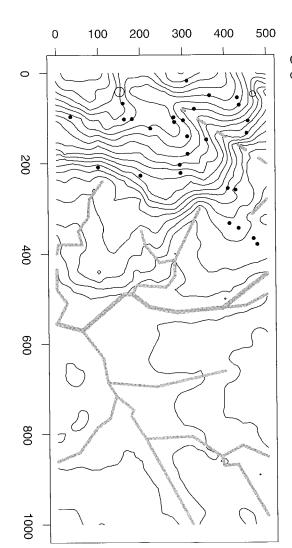
Magnistipula sp. aff. cuneatifolia Hauman CHRYSOBALANACEAE

MAGN. Large tree, over 90 cm dbh in the plot. Flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 9, Species rank = 378

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	66.67	0.00
>2≤3	1	0.02	0.14	11.11	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	0	0	0.14	0.00	0.00
>10≤20	0	0	0.14	0.00	0.00
>20≤30	0	0	0.14	0.00	0.00
>30≤60	1	0.02	0.16	11.11	0.03
>60	1	0.02	0.18	11.11	0.19





CHRY. Large tree, 60 cm dbh. Flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 30, Species rank = 305

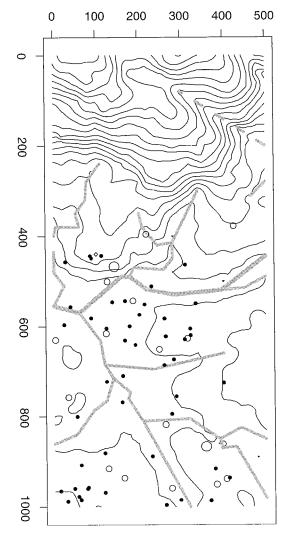
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	22	0.44	0.44	73.33	0.02
>2≤3	5	0.1	0.54	16.67	0.01
>3≤4	1	0.02	0.56	3.33	0.00
>4≤5	0	0	0.56	0.00	0.00
>5≤10	0	0	0.56	0.00	0.00
>10≤20	1	0.02	0.58	3.33	0.01
>20≤30	0	0	0.58	0.00	0.00
>30≤60	0	0	0.58	0.00	0.00
>60	11	0.02	0.6	3.33	0.19

Chrysobalanaceae sp. "SOYA" CHRYSOBALANACEAE

SOYA. Medium-sized tree, up to 60 cm dbh and 25 m tall. *Taxonomic notes*: Leaf and bark characters point to this family. *Det. level*: F2,G3,S3. *Distribution*: Not known.

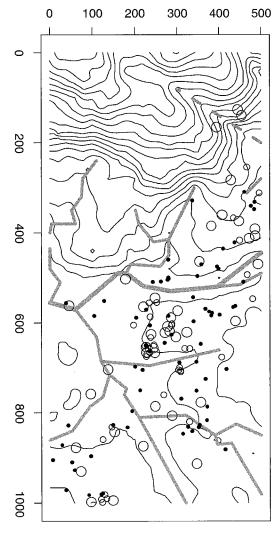
Stem count, total/50 ha = 65, Species rank = 255

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	29	0.58	0.58	44.62	0.02
>2≤3	10	0.2	0.78	15.38	0.02
>3≤4	6	0.12	0.9	9.23	0.02
>4≤5	3	0.06	0.96	4.62	0.01
>5≤10	6	0.12	1.08	9.23	0.02
>10≤20	5	0.1	1.18	7.69	0.03
>20≤30	4	0.08	1.26	6.15	0.07
>30≤60	2	0.04	1.3	3.08	0.06
>60	0	0	1.3	0.00	0.00



Strephonema pseudocola A. Chev. COMBRETACEAE

STPO. Large-sized tree with a dense, spreading crown, to about 30 m tall, 80 cm dbh. Flowers bisexual, fruits large, usually with a single large seed, mesocarp thin and hard, animal-dispersed. Timber not used, trade name *eyengwe*, wood medium hardness, density 0.65-0.75. *Det. level:* F1,G1,S1. *Distribution:* Lowland evergreen forest in Upper and Lower Guinea. *Conservation status:* Common.



Stem count, total/50 ha = 146, Species rank = 187

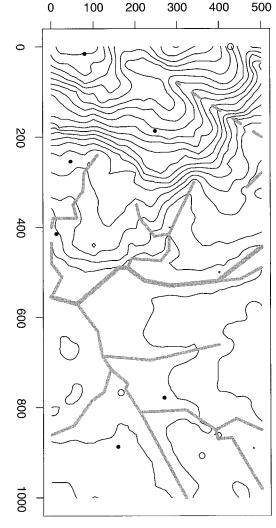
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	27	0.54	0.54	18.49	0.02
>2≤3	20	0.4	0.94	13.70	0.03
>3≤4	16	0.32	1.26	10.96	0.04
>4≤5	8	0.16	1.42	5.48	0.03
>5≤10	14	0.28	1.7	9.59	0.04
>10≤20	13	0.26	1.96	8.90	0.09
>20≤30	7	0.14	2.1	4.79	0.13
>30≤60	22	0.44	2.54	15.07	0.61
>60	19	0.38	2.92	13.01	3.60

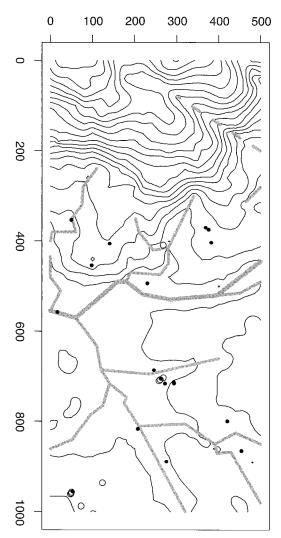
Vernonia conferta Benth. COMPOSITAE

VECO. Small, soft-wooded, short-lived, pioneer of light-gaps, up to about 10 cm dbh. Unbranched or dichotomous branching, terminal rosettes of large leaves on stout branchlets, large terminal panicles of pale flowers. Fruits small, wind-dispersed. Many medicinal uses. *Taxonomic notes*: Easily distinguished from *V. frondosa* by the smaller +/- petiolate leaves and small capitula. *Det. level*: F1,G1,S1. *Distribution*: Tropical Africa. *Conservation status*: Common.

Stem count, total/50 ha = 9, Species rank = 378

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	55.56	0.00
>2≤3	0	0	0.1	0.00	0.00
>3≤4	0	0	0.1	0.00	0.00
>4≤5	1	0.02	0.12	11.11	0.00
>5≤10	2	0.04	0.16	22.22	0.01
>10≤20	1	0.02	0.18	11.11	0.01
>20≤30	0	0	0.18	0.00	0.00
>30≤60	0	0	0.18	0.00	0.00
>60	0	0	0.18	0.00	0.00





VERH. Small, soft-wooded tree in light-gaps, to about 10 cm dbh. Unbranched or dichotomous branching, terminal rosettes of very large leaves on stout branchlets, large terminal panicles of purplish flowers. Fruits small, wind-dispersed. *Taxonomic notes*: Easily distinguished from *V. conferta* by the larger sessile leaves and the large capitula, about 2 cm diameter. *Det. level*: F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 27, Species rank = 312

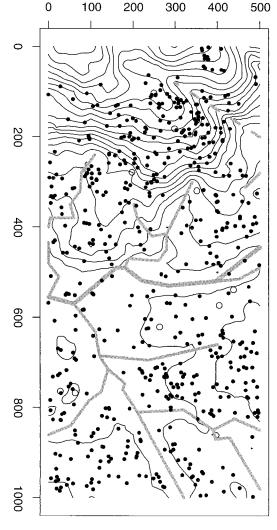
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	14.81	0.00
>2≤3	7	0.14	0.22	25.93	0.01
>3≤4	2	0.04	0.26	7.41	0.01
>4≤5	5	0.1	0.36	18.52	0.02
>5≤10	7	0.14	0.5	25.93	0.02
>10≤20	2	0.04	0.54	7.41	0.01
>20≤30	0	0	0.54	0.00	0.00
>30≤60	0	0	0.54	0.00	0.00
>60	0	0	0.54	0.00	0.00

Jollydora duparquetiana (Baill.) Pierre CONNARACEAE

JOLY. Small tree, not more than 10 cm dbh, 6 m tall, usually monocaul. Flowers bisexual, cauliflorous, fruits animal-dispersed with large arillate seeds. *Taxonomic notes*: Distinguished from *J. glandulosa* by the broader leaf-bases and shortly-stipitate fruits. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

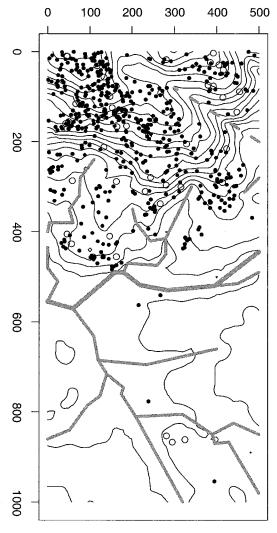
Stem count, total/50 ha = 585, Species rank = 96

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	287	5.74	5.74	49.06	0.21
>2≤3	179	3.58	9.32	30.60	0.27
>3≤4	81	1.62	10.94	13.85	0.22
>4≤5	28	0.56	11.5	4.79	0.12
>5≤10	10	0.2	11.7	1.71	0.03
>10≤20	0	0	11.7	0.00	0.00
>20≤30	0	0	11.7	0.00	0.00
>30≤60	0	0	11.7	0.00	0.00
>60	0	0	11.7	0.00	0.00



Jollydora glandulosa Schellenb. CONNARACEAE

JOL2. Small tree, not more than 10 cm dbh, 6 m tall, usually monocaul. Flowers bisexual, cauliflorous, fruits animal-dispersed with large arillate seeds. *Taxonomic notes*: Distinguished from *J. duparquetiana* by the narrower leaf-bases and the sessile fruits. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, endemic to SE Nigeria and SW Cameroon. *Conservation status*: Rare=2.



Stem count, total/50 ha = 583, Species rank = 97

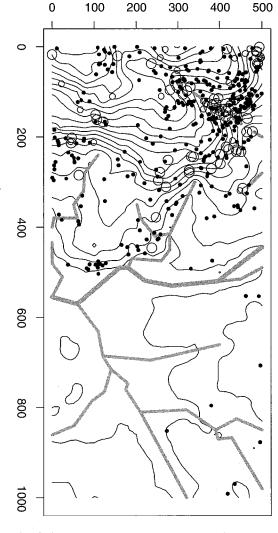
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	297	5.94	5.94	50.94	0.22
>2≤3	130	2.6	8.54	22.30	0.20
>3≤4	73	1.46	10	12.52	0.19
>4≤5	36	0.72	10.72	6.17	0.16
>5≤10	47	0.94	11.66	8.06	0.12
>10≤20	0	0	11.66	0.00	0.00
>20≤30	0	0	11.66	0.00	0.00
>30≤60	0	0	11.66	0.00	0.00
>60	0	00	11.66	0.00	0.00

Tapura africana oliv.

TAAF. Medium-sized tree with a spreading crown. Flowers bisexual, fruits, fleshy with thin mesocarp, about 3 cm long with usually one large seed, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Endemic to the forests of Lower Guinea. *Conservation status*: Common.

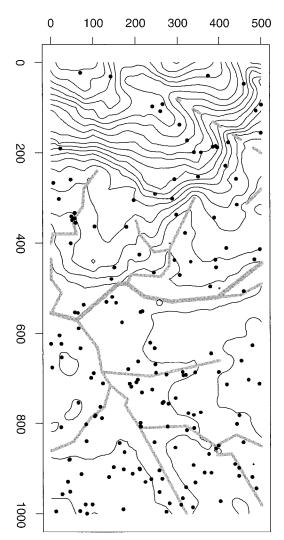
Stem count, total/50 ha = 418, Species rank = 117

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	242	4.84	4.84	57.89	0.18
>2≤3	68	1.36	6.2	16.27	0.10
>3≤4	18	0.36	6.56	4.31	0.05
>4≤5	6	0.12	6.68	1.44	0.03
>5≤10	3	0.06	6.74	0.72	0.01
>10≤20	10	0.2	6.94	2.39	0.07
>20≤30	19	0.38	7.32	4.55	0.36
>30≤60	42	0.84	8.16	10.05	1.16
>60	10	0.2	8.36	2.39	1.89



Dracaena bicolor Hook. DRACAENACEAE (Ruscaceae¹, Agavaceae³)

DRAI. Shrubby treelet to about 5 cm dbh, 2 m tall. Flowers bisexual, fruits animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 171, Species rank = 173

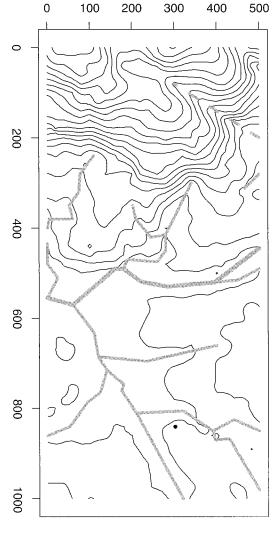
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	77	1.54	1.54	45.03	0.06
>2≤3	60	1.2	2.74	35.09	0.09
>3≤4	20	0.4	3.14	11.70	0.05
>4≤5	13	0.26	3.4	7.60	0.06
>5≤10	1	0.02	3.42	0.58	0.00
>10≤20	0	0	3.42	0.00	0.00
>20≤30	0	0	3.42	0.00	0.00
>30≤60	0	0	3.42	0.00	0.00
>60	0	0	3.42	0.00	0.00

Dracaena goldieana Bull DRACAENACEAE (Ruscaceae¹), Agavaceae³)

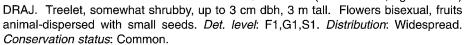
DRAT. Treelet, seldom reaching 1 cm dbh. Flowers bisexual, fruits animal-dispersed with small seeds. Often cultivated as an ornamental, boundary marker. *Det. level*: F1,G1,S2. *Distribution*: Endemic to Korup/Oban area. *Conservation status*: Rare=2.

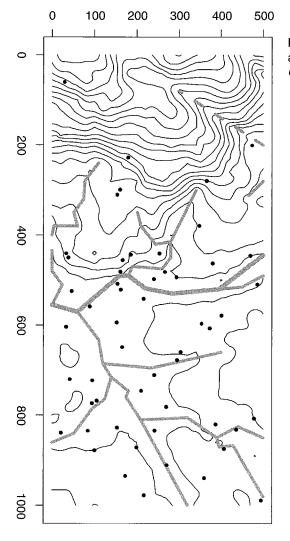
Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Dracaena laxissima Engl. DRACAENACEAE (Ruscaceae¹, Agavaceae³)





Stem count, total/50 ha = 54, Species rank = 266

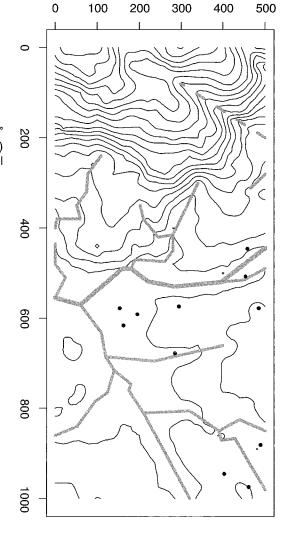
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	52	1.04	1.04	96.30	0.04
>2≤3	2	0.04	1.08	3.70	0.00
>3≤4	0	0	1.08	0.00	0.00
>4≤5	0	0	1.08	0.00	0.00
>5≤10	0	0	1.08	0.00	0.00
>10≤20	0	0	1.08	0.00	0.00
>20≤30	0	0	1.08	0.00	0.00
>30≤60	0	0	1.08	0.00	0.00
>60	0	0	1.08	0.00	0.00

DRACAENACEAE (Ruscaceae¹, Agavaceae³)

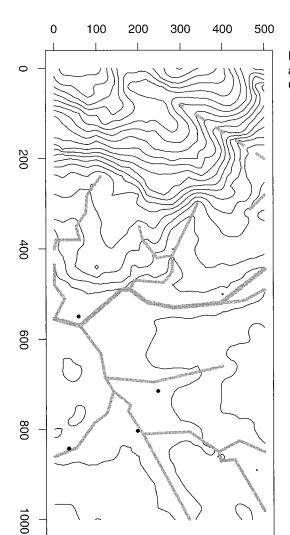
DRA2. Treelet. Flowers probably bisexual, fruits probably animal-dispersed with small seeds. Det. level: F1,G1,S3. Distribution: Not known.

Stem count, total/50 ha = 12, Species rank = 364

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	16.67	0.00
>2≤3	10	0.2	0.24	83.33	0.02
>3≤4	0	0	0.24	0.00	0.00
>4≤5	0	0	0.24	0.00	0.00
>5≤10	0	0	0.24	0.00	0.00
>10≤20	0	0	0.24	0.00	0.00
>20≤30	0	0	0.24	0.00	0.00
>30≤60	0	0	0.24	0.00	0.00
>60	0	0	0.24	0.00	0.00



Dracaena surculosa Lindl. DRACAENACEAE (Ruscaceae¹, Agavaceae³)



DRA3. Treelet, rather shrubby, to about 3 cm dbh, 3 m tall. Flowers bisexual, fruits animal-dispersed with small seeds. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

Stem count, total/50 ha = 4, Species rank = 421

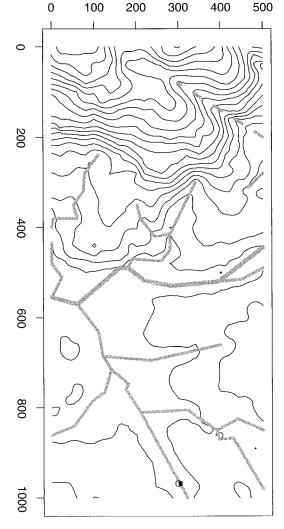
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	100.00	0.00
>2≤3	0	0	0.08	0.00	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00

Diospyros bipindensis Gürke **EBENACEAE**

DIBI. Small tree to about 10 cm dbh, 8 m tall. Dioecious, fruits animal-dispersed with medium-sized seeds. Det. level: F1,G1,S1. Distribution: Lower Guinea, Congo Basin. Conservation status: Common.

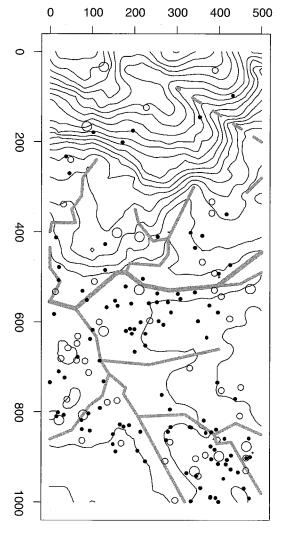
Stem count, total/50 ha = 3, Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	33.33	0.00
>3≤4	1	0.02	0.04	33.33	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	1	0.02	0.06	33.33	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



Diospyros gracilescens Gürke EBENACEAE

DICI. Medium- to large-sized tree to 70 cm dbh, 30 m tall. Dioecious, fruits about 3 cm long with up to 6 medium-sized seeds, animal-dispersed. *Det. level:* F1,G1,S3. *Distribution:* Endemic to the forests of Lower Guinea, especially near the coast. *Conservation status:* Rare=3.



Stem count, total/50 ha = 163, Species rank = 180

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	52	1.04	1.04	31.90	0.00
>2≤3	29	0.58	1.62	17.79	0.00
>3≤4	22	0.44	2.06	13.50	0.00
>4≤5	9	0.18	2.24	5.52	0.00
>5≤10	21	0.42	2.66	12.88	0.00
>10≤20	13	0.26	2.92	7.98	0.00
>20≤30	5	0.1	3.02	3.07	0.00
>30≤60	10	0.2	3.22	6.13	0.00
>60	2	0.04	3.26	1.23	0.00

0

100

200

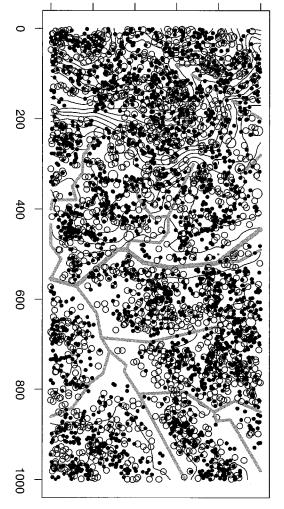
300

Diospyros gabunensis Gürke EBENACEAE

DIGA. Medium-sized tree to 50 cm dbh, 25 m tall. Dioecious, fruits about 3 cm long with medium-sized seeds, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

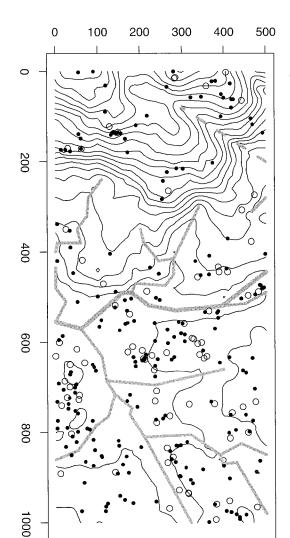
Stem count, total/50 ha = 3899, Species rank = 18

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1275	25.5	25.5	32.70	0.92
>2≤3	526	10.52	36.02	13.49	0.79
>3≤4	345	6.9	42.92	8.85	0.92
>4≤5	259	5.18	48.1	6.64	1.12
>5≤10	646	12.92	61.02	16.57	1.62
>10≤20	604	12.08	73.1	15.49	4.10
>20≤30	200	4	77.1	5.13	3.75
>30≤60	44	0.88	77.98	1.13	1.22
>60	0	0	77.98	0.00	0.00



500

400



DIHO. Small- to medium-sized tree, to about 20 cm dbh, 12 m tall. Dioecious, fruits about 2 cm with medium-sized seeds, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 281, Species rank = 136

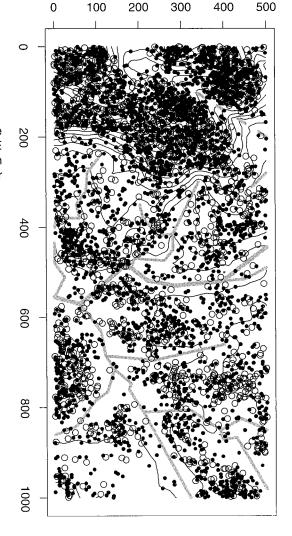
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	102	2.04	2.04	36.30	0.07
>2≤3	44	0.88	2.92	15.66	0.07
>3≤4	31	0.62	3.54	11.03	0.08
>4≤5	26	0.52	4.06	9.25	0.11
>5≤10	56	1.12	5.18	19.93	0.14
>10≤20	21	0.42	5.6	7.47	0.14
>20≤30	1	0.02	5.62	0.36	0.02
>30≤60	0	0	5.62	0.00	0.00
>60	0	0	5.62	0.00	0.00

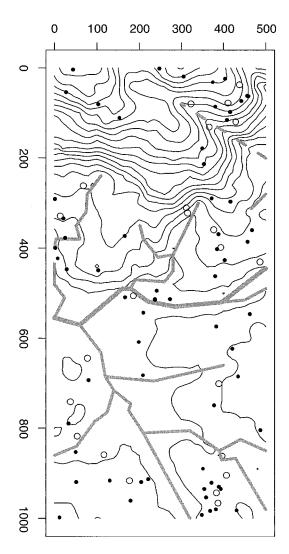
Diospyros ituriensis (Gürke) Letouzey & F.White EBENACEAE

DIIT. Medium-sized tree, to 30 cm dbh, 20 m tall. Dioecious, fruits about 2.5 cm with medium-sized seeds, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 4794, Species rank = 11

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1744	34.88	34.88	36.38	1.26
>2≤3	744	14.88	49.76	15.52	1.12
>3≤4	482	9.64	59.4	10.05	1.29
>4≤5	339	6.78	66.18	7.07	1.46
>5≤10	993	19.86	86.04	20.71	2.50
>10≤20	469	9.38	95.42	9.78	3.19
>20≤30	23	0.46	95.88	0.48	0.43
>30≤60	0	0	95.88	0.00	0.00
>60	0	0	95.88	0.00	0.00





DIMA. Medium- to large-sized tree, to about 60 cm dbh, 25 m tall. Dioecious, fruits large, about 8 cm, with large seeds, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 87, Species rank = 224

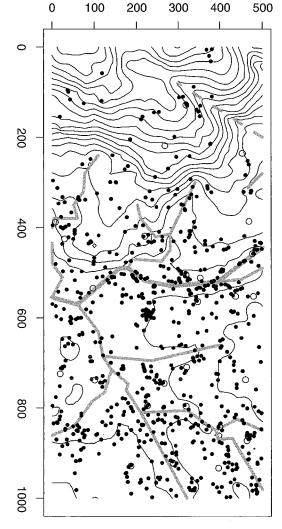
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	37	0.74	0.74	42.53	0.03
>2≤3	14	0.28	1.02	16.09	0.02
>3≤4	10	0.2	1.22	11.49	0.03
>4≤5	4	0.08	1.3	4.60	0.02
>5≤10	12	0.24	1.54	13.79	0.03
>10≤20	7	0.14	1.68	8.05	0.05
>20≤30	3	0.06	1.74	3.45	0.06
>30≤60	0	0	1.74	0.00	0.00
>60	00	0	1.74	0.00	0.00

Diospyros obliquifolia (Hiern ex Gürke) F.White EBENACEAE

DIOB. Small tree, less than 10 cm dbh, 5 m tall. Dioecious, fruits about 2 cm long with one or more seeds, c. 1 cm long, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea endemic. *Conservation status*: Common.

Stem count, total/50 ha = 729, Species rank = 80

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	404	8.08	8.08	55.42	0.29
>2≤3	177	3.54	11.62	24.28	0.27
>3≤4	74	1.48	13.1	10.15	0.20
>4≤5	47	0.94	14.04	6.45	0.20
>5≤10	27	0.54	14.58	3.70	0.07
>10≤20	0	0	14.58	0.00	0.00
>20≤30	0	0	14.58	0.00	0.00
>30≤60	0	0	14.58	0.00	0.00
>60	0	0	14.58	0.00	0.00



Diospyros physocalycina Gürke EBENACEAE

DIO2. Small tree, to about 15 cm dbh, 10 m tall, smaller in Korup. Dioecious, fruits about 2.5 cm, completely enclosed in the erect calyx which is often filled with water, seeds up to 4, medium-sized, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.

Stem count, total/50 ha = 9, Species rank = 378

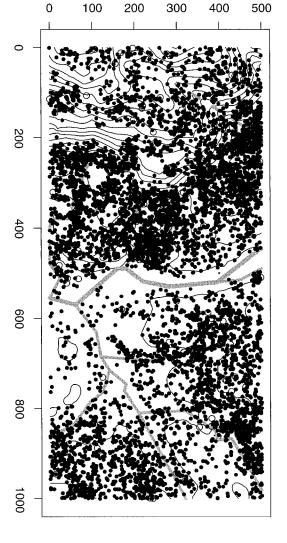
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	55.56	0.00
>2≤3	0	0	0.1	0.00	0.00
>3≤4	2	0.04	0.14	22.22	0.01
>4≤5	0	0	0.14	0.00	0.00
>5≤10	2	0.04	0.18	22.22	0.01
>10≤20	0	0	0.18	0.00	0.00
>20≤30	0	0	0.18	0.00	0.00
>30≤60	0	0	0.18	0.00	0.00
>60	0	0	0.18	0.00	0.00

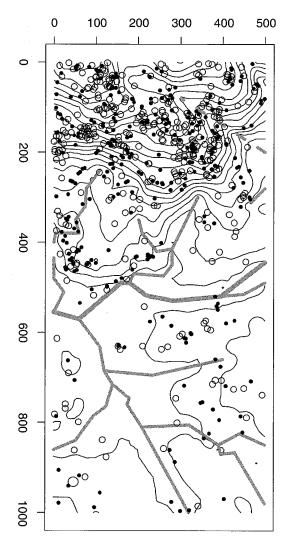
Diospyros preussii Gürke EBENACEAE

DIPR. Small tree, to 10 cm dbh, 5 m tall. Dioecious or monoecious, cauliflorous, fruits about 3 cm, with medium-sized seeds, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Coastal forests of Lower Guinea, often near swamps. *Conservation status*: Common.

Stem count, total/50 ha = 7356, Species rank = 8

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4442	88.84	88.84	60.39	3.22
>2≤3	1679	33.58	122.42	22.82	2.53
>3≤4	752	15.04	137.46	10.22	2.01
>4≤5	330	6.6	144.06	4.49	1.42
>5≤10	153	3.06	147.12	2.08	0.38
>10≤20	0	0	147.12	0.00	0.00
>20≤30	0	0	147.12	0.00	0.00
>30≤60	0	0	147.12	0.00	0.00
>60	0	0	147.12	0.00	0.00





DIZE. Medium-sized tree, to 40 cm dbh, 15 m tall. Dioecious, fruits about 2.5 cm, with medium-sized seeds, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea endemic, often riparian. *Conservation status*: Common.

Stem count, total/50 ha = 655, Species rank = 89

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	138	2.76	2.76	21.07	0.10
>2≤3	67	1.34	4.1	10.23	0.10
>3≤4	53	1.06	5.16	8.09	0.14
>4≤5	47	0.94	6.1	7.18	0.20
>5≤10	172	3.44	9.54	26.26	0.43
>10≤20	148	2.96	12.5	22.60	1.01
>20≤30	28	0.56	13.06	4.27	0.52
>30≤60	2	0.04	13.1	0.31	0.06
>60	0	0	13.1	0.00	0.00

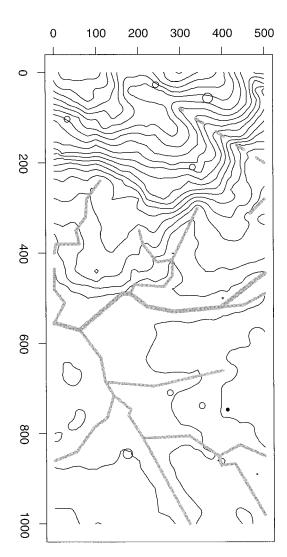
Diospyros sp. nov. "DIPS" EBENACEAE

DIPS. Medium-sized tree, to 40 cm dbh, 20 m tall. Dioecious, fruits animal-dispersed. *Taxonomic notes*: Unmatched in floras and at K, MO, undescribed species with several distinctive characters including the large leaves glaucous below, and the male flowers. *Det. level*: F1,G1,S2. *Distribution*: Probably a narrow endemic to the Korup area. *Conservation status*: Rare=1.

Stem count, total/50 ha = 1039, Species rank = 64

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	468	9.36	9.36	45.04	0.34
>2≤3	191	3.82	13.18	18.38	0.29
>3≤4	94	1.88	15.06	9.05	0.25
>4≤5	66	1.32	16.38	6.35	0.28
>5≤10	125	2.5	18.88	12.03	0.31
>10≤20	67	1.34	20.22	6.45	0.46
>20≤30	24	0.48	20.7	2.31	0.45
>30≤60	4	0.08	20.78	0.38	0.11
>60	0	0	20.78	0.00	0.00

0 100 200 300 400 500



DIBM. Medium-sized tree. Probably dioecious, fruits animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 8, Species rank = 384

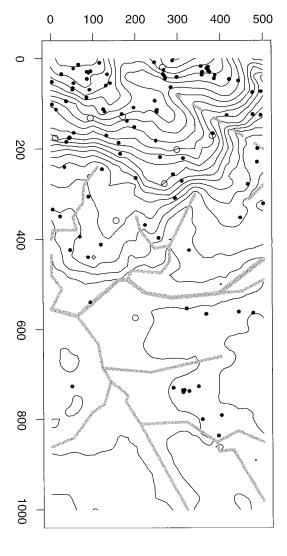
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	1	0.02	0.02	12.50	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	2	0.04	0.06	25.00	0.01
>20≤30	3	0.06	0.12	37.50	0.06
>30≤60	2	0.04	0.16	25.00	0.06
>60	0	0	0.16	0.00	0.00

Diospyros sp. "DIOY" EBENACEAE

DIOY. Small tree. Probably dioecious, fruits animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 111, Species rank = 208

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	70	1.4	1.4	63.06	0.05
>2≤3	18	0.36	1.76	16.22	0.03
>3≤4	9	0.18	1.94	8.11	0.02
>4≤5	5	0.1	2.04	4.50	0.02
>5≤10	6	0.12	2.16	5.41	0.02
>10≤20	3	0.06	2.22	2.70	0.02
>20≤30	0	0	2.22	0.00	0.00
>30≤60	0	0	2.22	0.00	0.00
>60	0	0	2.22	0.00	0.00



Diospyros sp. nov. "NDIO" EBENACEAE

NDIO. Medium-sized tree. Probably dioecious, fruits animal-dispersed. *Taxonomic notes*: Not matched in the floras, at K or MO, appears to be undescribed. *Det. level*: F1,G1,S3. *Distribution*: Probably a narrow endemic to the Korup area. *Conservation status*: Rare=1.

Stem count, total/50 ha = 5, Species rank = 414

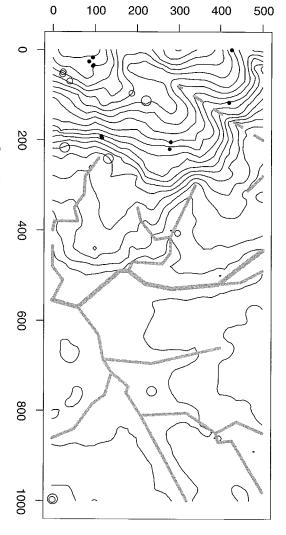
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	20.00	0.00
>2≤3	1	0.02	0.04	20.00	0.00
>3≤4	1	0.02	0.06	20.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	1	0.02	0.08	20.00	0.02
>30≤60	1	0.02	0.1	20.00	0.03
>60	0	0	0.1	0.00	0.00

Erythroxylum mannii Oliv. ERYTHROXYLACEAE (Rhizophoraceae¹)

ALFB. Large tree, common in secondary and dry forest, to 1.0 m dbh, 30 m tall. Flowers bisexual, fruits small, animal-dispersed, seeds usually solitary. Sometimes harvested for timber, wood soft, density 0.6-0.7, trade name *landa*. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

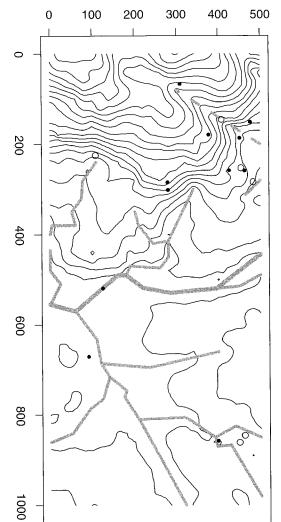
Stem count, total/50 ha = 21, Species rank = 324

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	23.81	0.00
>2≤3	4	0.08	0.18	19.05	0.01
>3≤4	1	0.02	0.2	4.76	0.00
>4≤5	0	0	0.2	0.00	0.00
>5≤10	1	0.02	0.22	4.76	0.00
>10≤20	3	0.06	0.28	14.29	0.02
>20≤30	2	0.04	0.32	9.52	0.04
>30≤60	3	0.06	0.38	14.29	0.08
>60	2	0.04	0.42	9.52	0.38



Antidesma laciniatum Müll. Arg. var. laciniatum EUPHORBIACEAE (Phyllanthaceae¹)

ANTI. Small tree, often in riparian areas, to about 20 cm dbh, 6 m tall. Dioecious, fruits small, fleshy, animal-dispersed. *Det. level*: F1,G1,S1,V1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 18, Species rank = 338

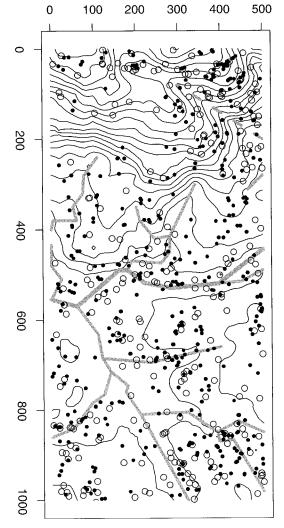
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	16.67	0.00
>2≤3	5	0.1	0.16	27.78	0.01
>3≤4	3	0.06	0.22	16.67	0.01
>4≤5	0	0	0.22	0.00	0.00
>5≤10	4	0.08	0.3	22.22	0.01
>10≤20	3	0.06	0.36	16.67	0.02
>20≤30	0	0	0.36	0.00	0.00
>30≤60	0	0	0.36	0.00	0.00
>60	0	0	0.36	0.00	0.00

Antidesma vogelianum müll. Arg. EUPHORBIACEAE (Phyllanthaceae 1)

ANVO. Small tree, to about 20 cm dbh, 10 m tall. Dioecious, fruits small, fleshy, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.

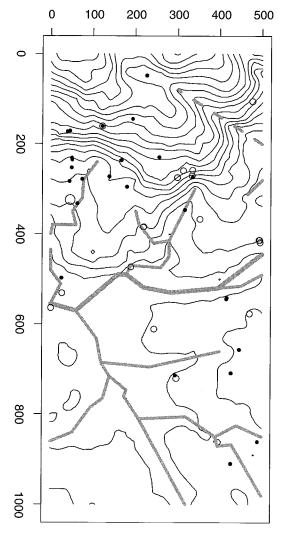
Stem count, total/50 ha = 705, Species rank = 85

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	211	4.22	4.22	29.93	0.15
>2≤3	110	2.2	6.42	15.60	0.17
>3≤4	68	1.36	7.78	9.65	0.18
>4≤5	58	1.16	8.94	8.23	0.25
>5≤10	191	3.82	12.76	27.09	0.48
>10≤20	65	1.3	14.06	9.22	0.44
>20≤30	2	0.04	14.1	0.28	0.04
>30≤60	0	0	14.1	0.00	0.00
>60	0	0	14.1	0.00	0.00



Bridelia micrantha (Hochst.) Baill. EUPHORBIACEAE (Phyllanthaceae¹)

BRMI. Medium-sized tree, sometimes reaching a large dbh but seldom more than 20 m tall, common in secondary forest. Dioecious, fruits small, fleshy, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 45, Species rank = 282

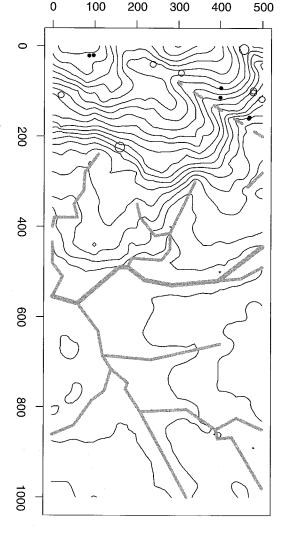
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	15	0.3	0.3	33.33	0.01
>2≤3	6	0.12	0.42	13.33	0.01
>3≤4	2	0.04	0.46	4.44	0.01
>4≤5	4	0.08	0.54	8.89	0.02
>5≤10	9	0.18	0.72	20.00	0.02
>10≤20	4	0.08	0.8	8.89	0.03
>20≤30	4	0.08	0.88	8.89	0.07
>30≤60	1	0.02	0.9	2.22	0.03
>60	0	0	0.9	0.00	0.00

Bridelia sp. "BRID" EUPHORBIACEAE (Phyllanthaceae¹)

BRID. Probably a medium-sized tree. Probably dioecious with small animal-dispersed fruits. *Det. level*: F1,G1,S3. *Distribution*: Not known.

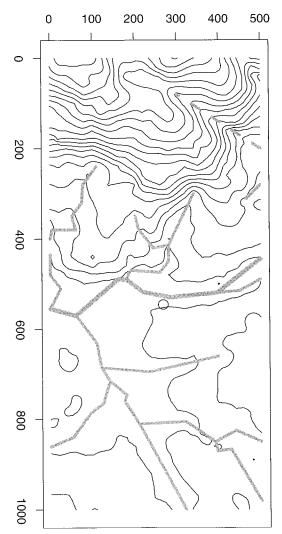
Stem count, total/50 ha = 14, Species rank = 356

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	28.57	0.00
>2≤3	1	0.02	0.1	7.14	0.00
>3≤4	0	0	0.1	0.00	0.00
>4≤5	1	0.02	0.12	7.14	0.00
>5≤10	3	0.06	0.18	21.43	0.01
>10≤20	3	0.06	0.24	21.43	0.02
>20≤30	0	0	0.24	0.00	0.00
>30≤60	2	0.04	0.28	14.29	0.06
>60	0	0	0.28	0.00	0.00



Cleistanthus letouzeyi J. Léonard EUPHORBIACEAE (Phyllanthaceae¹)

WDAS. Small tree, about 20 cm dbh, 10 m tall. Monoecious, fruits dehiscent, ballistic dispersal, seeds about 7 mm long. *Det. level*: F1,G1,S1. *Distribution*: Lowland evergreen forests of Cameroon, apparently a narrow endemic. *Conservation status*: Rare=2



Stem count, total/50 ha = 43, Species rank = 285

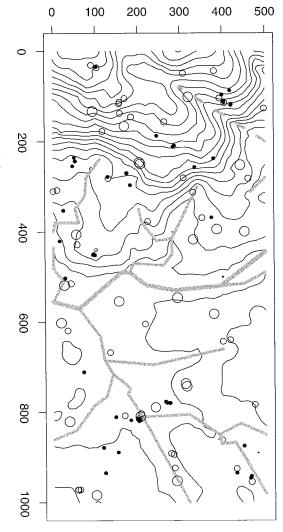
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	25.58	0.01
>2≤3	3	0.06	0.28	6.98	0.00
>3≤4	10	0.2	0.48	23.26	0.03
>4≤5	1	0.02	0.5	2.33	0.00
>5≤10	9	0.18	0.68	20.93	0.02
>10≤20	7	0.14	0.82	16.28	0.05
>20≤30	2	0.04	0.86	4.65	0.04
>30≤60	0	0	0.86	0.00	0.00
>60	0	0	0.86	0.00	0.00

Croton longiracemosus Hutch. EUPHORBIACEAE

NEGL. Medium-sized tree, to 65 cm dbh, 25 m tall. Monoecious, fruits dehiscent, seeds carunculate, about 16 mm long. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 112, Species rank = 205

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	23	0.46	0.46	20.54	0.02
>2≤3	16	0.32	0.78	14.29	0.02
>3≤4	5	0.1	0.88	4.46	0.01
>4≤5	5	0.1	0.98	4.46	0.02
>5≤10	19	0.38	1.36	16.96	0.05
>10≤20	10	0.2	1.56	8.93	0.07
>20≤30	12	0.24	1.8	10.71	0.22
>30≤60	21	0.42	2.22	18.75	0.58
>60	1	0.02	2.24	0.89	0.19



Crotonogyne strigosa Prain EUPHORBIACEAE

CRST. Shrubby treelet, to about 6 cm dbh, 3 m tall. Monoecious or possibly dioecious, fruits dehiscent, ballistic dispersal, seeds about 8 mm long. *Det. level*: F1,G1,S1. *Distribution*: Nigeria, Cameroon, Lower Guinea endemic. *Conservation status*: Rare=3.

Stem count, total/50 ha = 3886, Species rank = 19

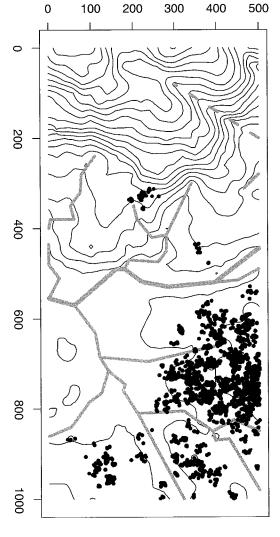
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2652	53.04	53.04	68.24	1.92
>2≤3	931	18.62	71.66	23.96	1.40
>3≤4	269	5.38	77.04	6.92	0.72
>4≤5	31	0.62	77.66	0.80	0.13
>5≤10	3	0.06	77.72	0.08	0.01
>10≤20	0	0	77.72	0.00	0.00
>20≤30	0	0	77.72	0.00	0.00
>30≤60	0	0	77.72	0.00	0.00
>60	0	0	77.72	0.00	0.00

Crotonogynopsis sp. nov., aff. ake-assii EUPHORBIACEAE

ALEX. Treelet to about 7 cm dbh, 4 m tall. Dioecious, cauliflorous, fruits dehiscent, ballistic dispersal, seeds about 6 mm long. *Taxonomic notes*: This species is close to *Crotonogynopsis ake-assii*, but differs in the fruits. *Det. level*: F1,G1,S3. *Distribution*: Known only from the Korup area so far, narrow endemic. *Conservation status*: Rare=1.

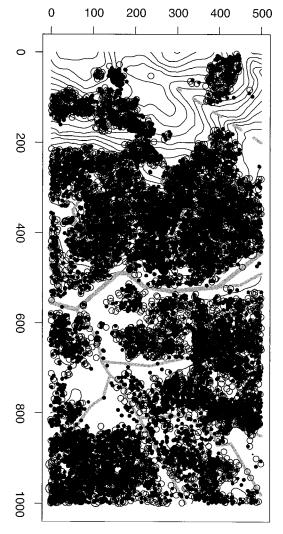
Stem count, total/50 ha = 2152, Species rank = 36

Diameter	Total no.	No. trees	Cumulative	% by size	% of all
class (cm)	trees in 50 ha	per ha	tree count per ha	class	species by size class
1≤2	1343	26.86	26.86	62.41	0.97
>2≤3	562	11.24	38.1	26.12	0.85
>3≤4	190	3.8	41.9	8.83	0.51
>4≤5	44	0.88	42.78	2.04	0.19
>5≤10	13	0.26	43.04	0.60	0.03
>10≤20	0	0	43.04	0.00	0.00
>20≤30	0	0	43.04	0.00	0.00
>30≤60	0	0	43.04	0.00	0.00
>60	0	0	43.04	0.00	0.00



Dichostemma glaucenscens Pierre EUPHORBIACEAE

DIGL. Medium-sized tree, to about 40 cm dbh, 25 m tall. Fruits dehiscent, ballistic dispersal, seeds about 1 cm long. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Congo basin, abundant in evergreen forests near the coast. *Conservation status*: Common.



Stem count, total/50 ha = 17251, Species rank = 3

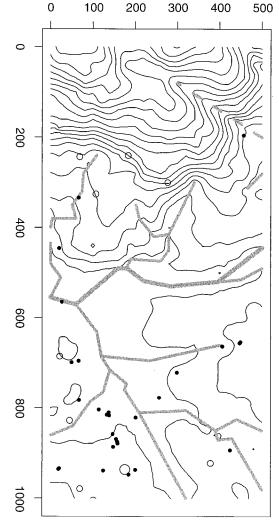
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5662	113.24	113.24	32.82	4.10
>2≤3	3042	60.84	174.08	17.63	4.59
>3≤4	2113	42.26	216.34	12.25	5.64
>4≤5	1450	29	245.34	8.41	6.24
>5≤10	2743	54.86	300.2	15.90	6.89
>10≤20	1571	31.42	331.62	9.11	10.67
>20≤30	577	11.54	343.16	3.34	10.81
>30≤60	93	1.86	345.02	0.54	2.57
>60	0	0	345.02	0.00	0.00

Discoclaoxylon hexandrum (Müll. Arg.) Pax & K. Hoffm. EUPHORBIACEAE

CLHE. Small- to medium-sized tree, fast-growing and often in secondary forest. Possibly dioecious. Fruits dehiscent with small seeds with red arils, bird-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

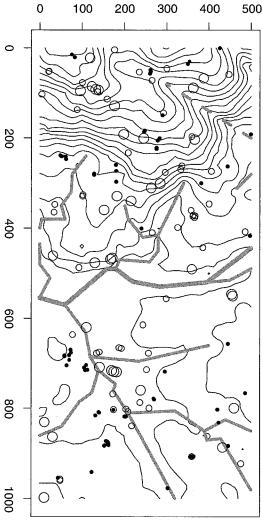
Stem count, total/50 ha = 37, Species rank = 298

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Diameter	Total no.	No. trees	Cumulative	% by size	% of all
class (cm)	trees in	per ha	tree count	class	species by
	50 ha		per ha		size class
1≤2	16	0.32	0.32	43.24	0.01
>2≤3	5	0.1	0.42	13.51	0.01
>3≤4	1	0.02	0.44	2.70	0.00
>4≤5	6	0.12	0.56	16.22	0.03
>5≤10	5	0.1	0.66	13.51	0.01
>10≤20	2	0.04	0.7	5.41	0.01
>20≤30	1	0.02	0.72	2.70	0.02
>30≤60	1	0.02	0.74	2.70	0.03
>60	0	0	0.74	0.00	0.00



Discoglypremna caloneura (Pax) Prain EUPHORBIACEAE

DICA. Medium- to large-sized tree, to 35 m tall, 60 cm or more dbh, fast-growing, often in secondary forest. Dioecious, fruits dehiscent, seeds rather small with red arils, bird-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 167, Species rank = 177

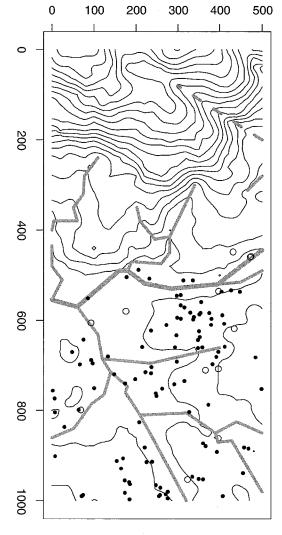
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	36	0.72	0.72	21.56	0.03
>2≤3	19	0.38	1.1	11.38	0.03
>3≤4	12	0.24	1.34	7.19	0.03
>4≤5	12	0.24	1.58	7.19	0.05
>5≤10	20	0.4	1.98	11.98	0.05
>10≤20	24	0.48	2.46	14.37	0.16
>20≤30	10	0.2	2.66	5.99	0.19
>30≤60	31	0.62	3.28	18.56	0.86
>60	3	0.06	3.34	1.80	0.57

Drypetes ivorensis Hutch. & Dalz. EUPHORBIACEAE (Putrangivaceae¹)

DRYS. Small tree to 20 cm dbh, usually less, about 5 m tall. Dioecious, fruits animal-dispersed with rather large seeds. *Taxonomic notes*: Needs more confirmation; this species has not been definitely identified from Lower Guinea. *Det. level*: F1,G1,S2. *Distribution*: Upper Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 112, Species rank = 205

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	44	0.88	0.88	39.29	0.03
>2≤3	31	0.62	1.5	27.68	0.05
>3≤4	12	0.24	1.74	10.71	0.03
>4≤5	14	0.28	2.02	12.50	0.06
>5≤10	9	0.18	2.2	8.04	0.02
>10≤20	1	0.02	2.22	0.89	0.01
>20≤30	1	0.02	2.24	0.89	0.02
>30≤60	0	0	2.24	0.00	0.00
>60	0	0	2.24	0.00	0.00



DRLA. Small tree to 10 cm dbh, about 4 m tall. Dioecious, fruits animal-dispersed with rather large seeds. *Taxonomic notes*: Difficult genus, needs further confirmation. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea. *Conservation status*: Rare=3.

Stem count, total/50 ha = 249, Species rank = 143

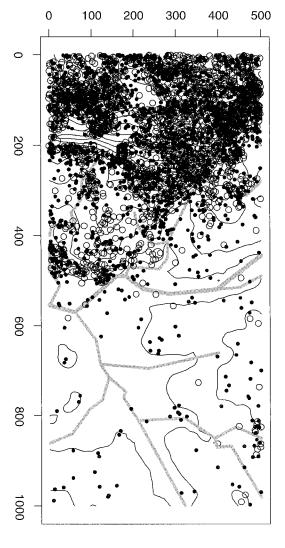
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	137	2.74	2.74	55.02	0.10
>2≤3	64	1.28	4.02	25.70	0.10
>3≤4	27	0.54	4.56	10.84	0.07
>4≤5	11	0.22	4.78	4.42	0.05
>5≤10	10	0.2	4.98	4.02	0.03
>10≤20	0	0	4.98	0.00	0.00
>20≤30	0	0	4.98	0.00	0.00
>30≤60	0	0	4.98	0.00	0.00
>60	0	0	4.98	0.00	0.00

Drypetes staudtii (Pax) Hutch. EUPHORBIACEAE (Putrangivaceae¹)

DRST. Small- to medium-sized tree, to about 30 cm dbh, 15 m tall. Dioecious, cauliflorous, fruits animal-dispersed, seeds rather large. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea (Nigeria and Cameroon) often abundant on forested hillsides. *Conservation status*: Rare=3.

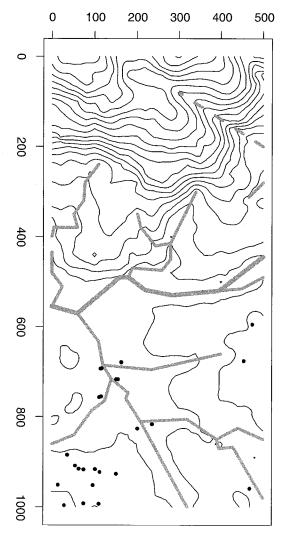
Stem count, total/50 ha = 4100, Species rank = 16

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1072	21.44	21.44	26.15	0.78
>2≤3	506	10.12	31.56	12.34	0.76
>3≤4	322	6.44	38	7.85	0.86
>4≤5	245	4.9	42.9	5.98	1.06
>5≤10	888	17.76	60.66	21.66	2.23
>10≤20	956	19.12	79.78	23.32	6.49
>20≤30	107	2.14	81.92	2.61	2.00
>30≤60	4	0.08	82	0.10	0.11
>60	0	0	82	0.00	0.00



Drypetes molunduana Pax & K. Hoffm. EUPHORBIACEAE (Putrangivaceae¹)

DRY3. Small tree or shrubby treelet, to about 5 cm dbh, 4 m tall. Dioecious, fruits animal-dispersed, seeds rather large. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Nigeria and Cameroon, endemic but fairly common. *Conservation status*: Common.



Stem count, total/50 ha = 26, Species rank = 315

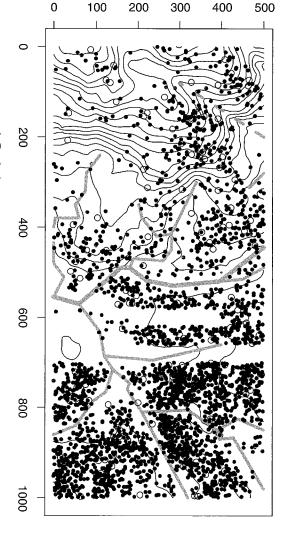
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	19	0.38	0.38	73.08	0.01
>2≤3	6	0.12	0.5	23.08	0.01
>3≤4	0	0	0.5	0.00	0.00
>4≤5	1	0.02	0.52	3.85	0.00
>5≤10	0	0	0.52	0.00	0.00
>10≤20	0	0	0.52	0.00	0.00
>20≤30	0	0	0.52	0.00	0.00
>30≤60	0	0	0.52	0.00	0.00
>60	0	0	0.52	0.00	0.00

Drypetes principum (Müll. Arg.) Hutch. EUPHORBIACEAE (Putrangivaceae¹)

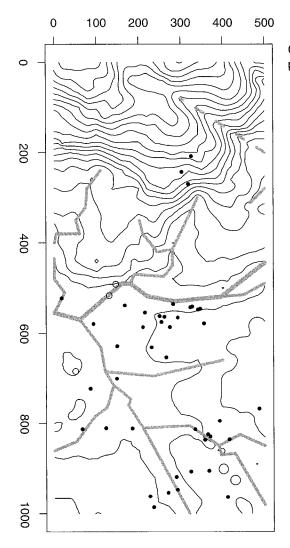
DRSI2. Small tree, to about 10 cm dbh, 6 m tall. Dioecious, fruits animal-dispersed, seeds rather large. *Det. level:* F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 3042, Species rank = 30

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1646	32.92	32.92	54.11	1.19
>2≤3	737	14.74	47.66	24.23	1.11
>3≤4	345	6.9	54.56	11.34	0.92
>4≤5	171	3.42	57.98	5.62	0.74
>5≤10	138	2.76	60.74	4.54	0.35
>10≤20	5	0.1	60.84	0.16	0.03
>20≤30	0	0	60.84	0.00	0.00
>30≤60	0	0	60.84	0.00	0.00
>60	0	0	60.84	0.00	0.00



CAR2. Medium-sized tree, to about 40 cm dbh, 20 m tall. Probably dioecious, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.



Stem count, total/50 ha = 47, Species rank = 276

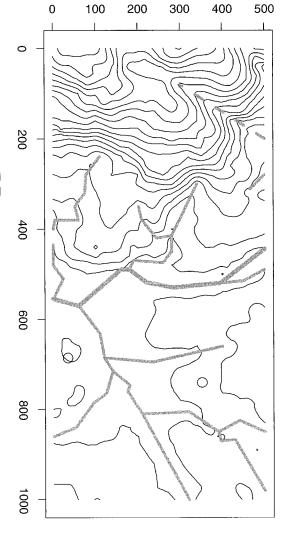
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	28	0.56	0.56	59.57	0.02
>2≤3	8	0.16	0.72	17.02	0.01
>3≤4	3	0.06	0.78	6.38	0.01
>4≤5	3	0.06	0.84	6.38	0.01
>5≤10	3	0.06	0.9	6.38	0.01
>10≤20	0	0	0.9	0.00	0.00
>20≤30	0	0	0.9	0.00	0.00
>30≤60	2	0.04	0.94	4.26	0.06
>60	0	0	0.94	0.00	0.00

Keayodendron bridelioides (Mildbr. ex Hutch. & Dalz.) Léandri EUPHORBIACEAE

KEBR. Medium- to large-sized tree, to about 90 cm dbh, 35 m tall, more common in semideciduous forest. Possibly monoecious, fruits animal-dispersed, fleshy with hard endocarp and a single large (3 cm) seed. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

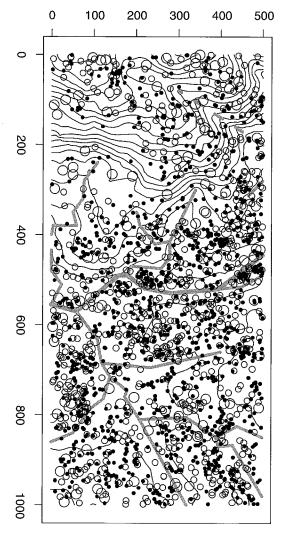
Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	2	0.04	0.04	100.00	0.00
>60	0	0	0.04	0.00	0.00



Klaineanthus gaboniae Pierre ex Prain EUPHORBIACEAE

KLGI. Medium-sized tree, to about 60 cm, but very irregular in section, about 25 m tall. Dioecious, fruits red, dehiscent, seeds arilate, about 1 cm long, probably bird-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, endemic but common. *Conservation status*: Common.



Stem count, total/50 ha = 2031, Species rank = 39

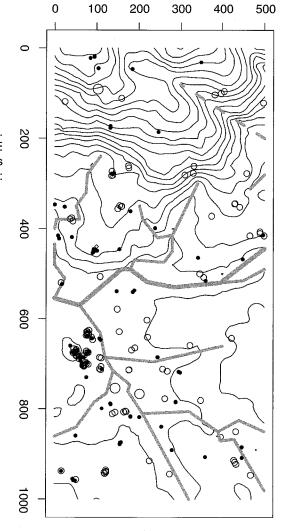
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	490	9.8	9.8	24.13	0.36
>2≤3	286	5.72	15.52	14.08	0.43
>3≤4	212	4.24	19.76	10.44	0.57
>4≤5	157 -	3.14	22.9	7.73	0.68
>5≤10	407	8.14	31.04	20.04	1.02
>10≤20	212	4.24	35.28	10.44	1.44
>20≤30	126	2.52	37.8	6.20	2.36
>30≤60	140	2.8	40.6	6.89	3.87
>60	1	0.02	40.62	0.05	0.19

Macaranga monandra Müll. Arg. EUPHORBIACEAE

MAMO. Medium-sized tree, secondary, to about 50 cm dbh, 20 m tall. Dioecious, fruits dehiscent. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 199, Species rank = 157

			•		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	32	0.64	0.64	16.08	0.02
>2≤3	22	0.44	1.08	11.06	0.03
>3≤4	23	0.46	1.54	11.56	0.06
>4≤5	11	0.22	1.76	5.53	0.05
>5≤10	54	1.08	2.84	27.14	0.14
>10≤20	42	0.84	3.68	21.11	0.29
>20≤30	12	0.24	3.92	6.03	0.22
>30≤60	3	0.06	3.98	1.51	0.08
>60	0	0	3.98	0.00	0.00



MABA. Small tree, normally less than 6 cm dbh, 4 m tall. Dioecious, fruits green, dehiscent, seeds with white aril, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 2354, Species rank = 35

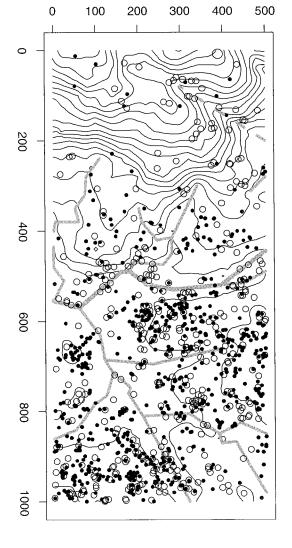
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1048	20.96	20.96	44.52	0.76
>2≤3	613	12.26	33.22	26.04	0.92
>3≤4	323	6.46	39.68	13.72	0.86
>4≤5	189	3.78	43.46	8.03	0.81
>5≤10	180	3.6	47.06	7.65	0.45
>10≤20	0	0	47.06	0.00	0.00
>20≤30	1	0.02	47.08	0.04	0.02
>30≤60	0	0	47.08	0.00	0.00
>60	0	0	47.08	0.00	0.00

Maesobotrya dusenii (Pax) Hutch. EUPHORBIACEAE (Phyllanthaceae¹)

MADU. Small- to medium-sized tree, seldom, exceeding 20 cm dbh, 12 m tall. Dioecious, cauliflorous, fruits red, dehiscent, seeds with a white aril, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Common in coastal forests.

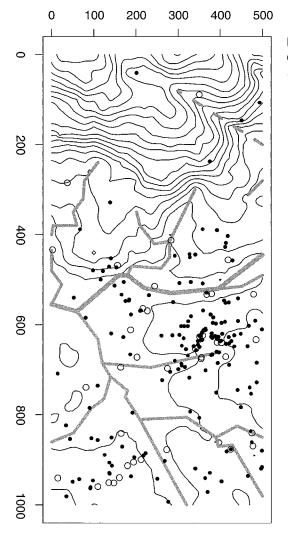
Stem count, total/50 ha = 1080, Species rank = 59

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	339	6.78	6.78	31.39	0.25
>2≤3	155	3.1	9.88	14.35	0.23
>3≤4	115	2.3	12.18	10.65	0.31
>4≤5	72	1.44	13.62	6.67	0.31
>5≤10	246	4.92	18.54	22.78	0.62
>10≤20	139	2.78	21.32	12.87	0.94
>20≤30	13	0.26	21.58	1.20	0.24
>30≤60	1	0.02	21.6	0.09	0.03
>60	0	0	21.6	0.00	0.00



Maesobotrya staudtii (Pax) Hutch. EUPHORBIACEAE (Phyllanthaceae¹)

MAST. Small tree, seldom exceeding 15 cm dbh, 10 m tall. Dioecious, fruits cauliflorous, red, dehiscent, seeds arilate, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea endemic. *Conservation status*: Common.



Stem count, total/50 ha = 212, Species rank = 153

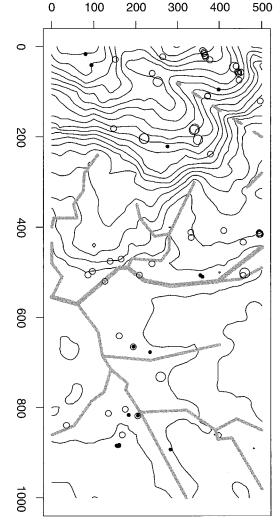
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	88	1.76	1.76	41.51	0.06
>2≤3	40	0.8	2.56	18.87	0.06
>3≤4	30	0.6	3.16	14.15	0.08
>4≤5	15	0.3	3.46	7.08	0.06
>5≤10	33	0.66	4.12	15.57	0.08
>10≤20	5	0.1	4.22	2.36	0.03
>20≤30	1	0.02	4.24	0.47	0.02
>30≤60	0	0	4.24	0.00	0.00
>60	0	0	4.24	0.00	0.00

Maprounea membranacea Pax & K. Hoffm. EUPHORBIACEAE

MAME. Medium-sized tree, secondary, to about 40 cm dbh, 20 m tall. Monoecious, fruits red, seeds small, c. 4 mm with aril, bird-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 69, Species rank = 250

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	8	0.16	0.16	11.59	0.01
>2≤3	1	0.02	0.18	1.45	0.00
>3≤4	3	0.06	0.24	4.35	0.01
>4≤5	3	0.06	0.3	4.35	0.01
>5≤10	13	0.26	0.56	18.84	0.03
>10≤20	21	0.42	0.98	30.43	0.14
>20≤30	11	0.22	1.2	15.94	0.21
>30≤60	9	0.18	1.38	13.04	0.25
>60	0	0	1.38	0.00	0.00



Mareya micrantha (Benth.) Müll. Arg. EUPHORBIACEAE

MAMI. Small- to medium-sized tree, to about 30 cm dbh, 20 m tall. Monoecious, fruits small, dehiscent. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 19, Species rank = 332

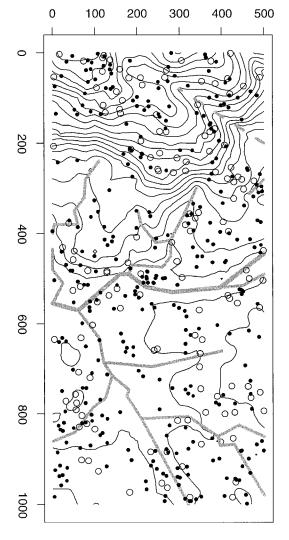
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	31.58	0.00
>2≤3	0	0	0.12	0.00	0.00
>3≤4	1	0.02	0.14	5.26	0.00
>4≤5	1	0.02	0.16	5.26	0.00
>5≤10	5	0.1	0.26	26.32	0.01
>10≤20	4	0.08	0.34	21.05	0.03
>20≤30	2	0.04	0.38	10.53	0.04
>30≤60	0	0	0.38	0.00	0.00
>60	0	0	0.38	0.00	0.00

Mareyopsis longifolia (Pax) Pax & K. Hoffm. EUPHORBIACEAE

MALO. Small tree, to about 15 cm dbh, 10 m tall. Dioecious, fruits white, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

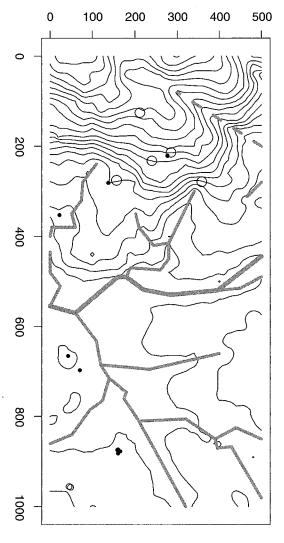
Stem count, total/50 ha = 464, Species rank = 112

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	111	2.22	2.22	23.92	0.08
>2≤3	97	1.94	4.16	20.91	0.15
>3≤4	58	1.16	5.32	12.50	0.15
>4≤5	58	1.16	6.48	12.50	0.25
>5≤10	122	2.44	8.92	26.29	0.31
>10≤20	18	0.36	9.28	3.88	0.12
>20≤30	0	0	9.28	0.00	0.00
>30≤60	0	0	9.28	0.00	0.00
>60	0	0	9.28	0.00	0.00



Margaritaria discoidea (Baill.) Webster EUPHORBIACEAE (Phyllanthaceae¹)

MADI. Medium-sized deciduous tree to about 80 cm dbh, 30 m tall, often secondary. Fruits small, green, dehiscent. *Det. level*: F1,G1,S1. *Distribution*: Tropical Africa. *Conservation status*: Common.



Stem count, total/50 ha = 17, Species rank = 344

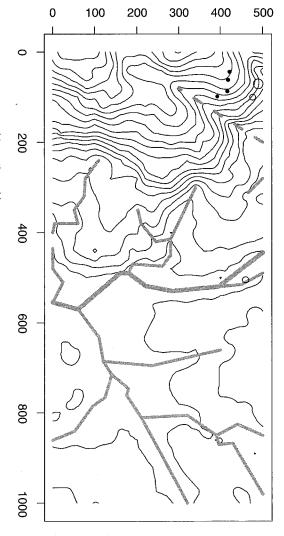
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	41.18	0.01
>2≤3	1	0.02	0.16	5.88	0.00
>3≤4	1	0.02	0.18	5.88	0.00
>4≤5	1	0.02	0.2	5.88	0.00
>5≤10	2	0.04	0.24	11.76	0.01
>10≤20	0	0	0.24	0.00	0.00
>20≤30	0	0	0.24	0.00	0.00
>30≤60	4	0.08	0.32	23.53	0.11
>60	1	0.02	0.34	5.88	0.19

Phyllanthus polyanthus Pax EUPHORBIACEAE (Phyllanthaceae¹)

RUTS. Medium-sized tree to about 40 cm dbh, apparently fast-growing, flowers monoecious, fruits green. *Taxonomic notes*: Not previously known from Cameroon. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea, Congo Basin, widespread but seldom-collected. *Conservation status*: Rare=3.

Stem count, total/50 ha = 7, Species rank = 396

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	42.86	0.002
>2≤3	0	0	0.06	0.00	0.00
>3≤4	1	0.02	0.08	14.29	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	2	0.04	0.12	28.57	0.01
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	1	0.02	0.14	14.29	0.03
>60	0	0	0.14	0.00	0.00



0

200

300

400

500

0

200

400

600

800

100

RUT2. Saplings of a forest tree. Taxonomic notes: This may be the same as "RUTS" (Phyllanthus polyanthus Pax). Det. level: F1,G1,S3. Distribution: Not known.

Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	50.00	0.002
>3≤4	0	0	0.02	0.00	0.00
>4≤5	1	0.02	0.04	50.00	0.004
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00

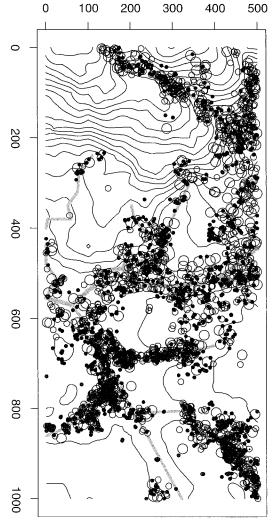
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PRST. Medium-sized tree, riparian, to about 20 m tall and 50 cm dbh, but trunk often very irregular in section, irregular buttresses and adventitious roots often present. Dioecious, fruits green, about 4 cm diameter, explosively dehiscent, ballistic dispersal. Taxonomic notes: This species may be synonymous with P. macrophylla Hutch., since the two main distinguishing characteristics (leaf pubescence, length of the male infl.) are very variable. Det. level: F1,G1,S1. Distribution: Forests of Upper and Lower Guinea. Conservation status: Common.

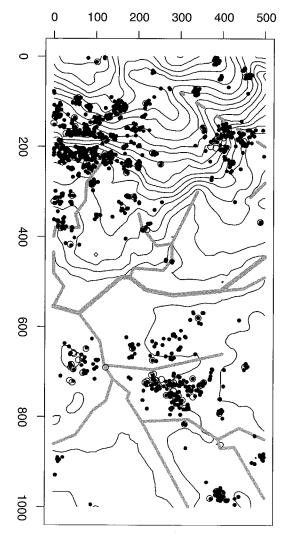
Stem count, total/50 ha = 3367, Species rank = 24

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	880	17.6	17.6	26.14	0.64
>2≤3	462	9.24	26.84	13.72	0.70
>3≤4	330	6.6	33.44	9.80	0.88
>4≤5	213	4.26	37.7	6.33	0.92
>5≤10	551	11.02	48.72	16.36	1.38
>10≤20	348	6.96	55.68	10.34	2.36
>20≤30	238	4.76	60.44	7.07	4.46
>30≤60	333	6.66	67.1	9.89	9.21
>60	12	0.24	67.34	0.36	2.27



Pycnocoma macrophylla Benth. EUPHORBIACEAE

PYMA. Small tree or treelet, usually unbranched, to 10 cm dbh, occasionally larger. Monoecious, fruits green, explosively dehiscent, ballistic dispersal. *Det. level*: F1,G1,S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 1331, Species rank = 50

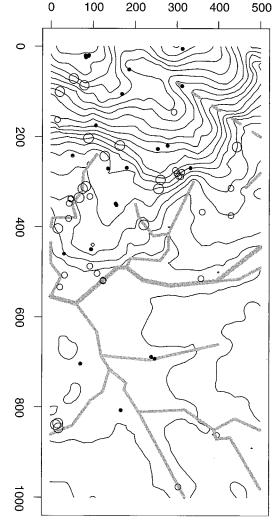
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	531	10.62	10.62	39.89	0.38
>2≤3	406	8.12	18.74	30.50	0.61
>3≤4	186	3.72	22.46	13.97	0.50
>4≤5	106	2.12	24.58	7.96	0.46
>5≤10	99	1.98	26.56	7.44	0.25
>10≤20	3	0.06	26.62	0.23	0.02
>20≤30	0	0	26.62	0.00	0.00
>30≤60	0	0	26.62	0.00	0.00
>60	0	0	26.62	0.00	0.00

Sapium ellipticum (Krauss) Pax EUPHORBIACEAE

EUPI. Medium-sized tree to about 60 cm dbh, sometimes larger, about 25 m tall. Monoecious, fruits yellow, indehiscent to tardily dehiscent, mesocarp fleshy, very thin, probably animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 64, Species rank = 256

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	15.63	0.01
>2≤3	6	0.12	0.32	9.38	0.01
>3≤4	3	0.06	0.38	4.69	0.01
>4≤5	5	0.1	0.48	7.81	0.02
>5≤10	11	0.22	0.7	17.19	0.03
>10≤20	10	0.2	0.9	15.63	0.07
>20≤30	2	0.04	0.94	3.13	0.04
>30≤60	17	0.34	1.28	26.56	0.47
>60	0	0	1.28	0.00	0.00



DRSI. Small tree to 10 cm dbh, 5 m tall. Dioecious, fruits animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Probably common.

Stem count, total/50 ha = 713, Species rank = 82

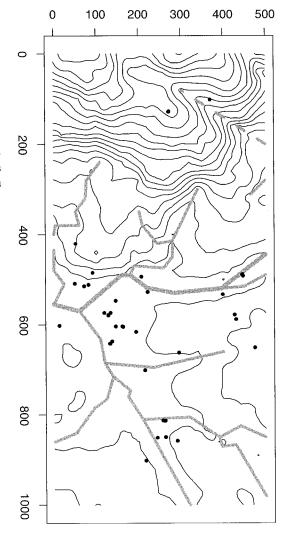
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	346	6.92	6.92	48.53	0.25
>2≤3	198	3.96	10.88	27.77	0.30
>3≤4	97	1.94	12.82	13.60	0.26
>4≤5	43	0.86	13.68	6.03	0.19
>5≤10	26	0.52	14.2	3.65	0.07
>10≤20	3	0.06	14.26	0.42	0.02
>20≤30	0	0	14.26	0.00	0.00
>30≤60	0	0	14.26	0.00	0.00
>60	0	0	14.26	0.00	0.00

Thecacoris leptobotrya Müll. Arg. EUPHORBIACEAE (Phyllanthaceae¹)

EUP2. Small, shrubby tree or treelet, to about 10 cm dbh, 10 m tall. Dioecious, fruits small, dehiscent, ballistic dispersal. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

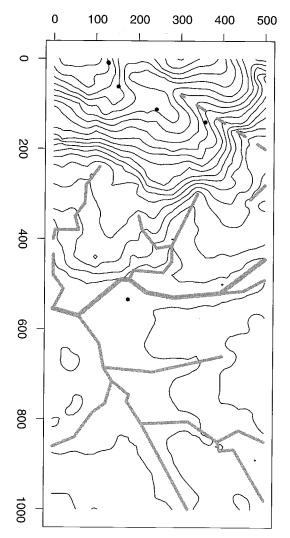
Stem count, total/50 ha = 39, Species rank = 290

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	36	0.72	0.72	92.31	0.03
>2≤3	3	0.06	0.78	7.69	0.00
>3≤4	0	0	0.78	0.00	0.00
>4≤5	0	0	0.78	0.00	0.00
>5≤10	0	0	0.78	0.00	0.00
>10≤20	0	0	0.78	0.00	0.00
>20≤30	0	0	0.78	0.00	0.00
>30≤60	0	0	0.78	0.00	0.00
>60	0	0	0.78	0.00	0.00



Uapaca acuminata (Hutch.) Pax & K. Hoffm. EUPHORBIACEAE (Phyllanthaceae¹)

UAAC. Medium- to large-sized tree, to about 70 cm dbh, 30 m tall, with numerous stilt-roots. Dioecious, fruits fleshy, animal-dispersed. Sometimes used for timber. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.



Stem count, total/50 ha = 6, Species rank = 407

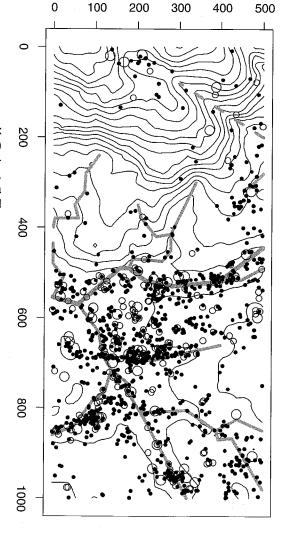
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	100.00	0.00
>2≤3	0	0	0.12	0.00	0.00
>3≤4	0	0	0.12	0.00	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	0	0	0.12	0.00	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00

Uapaca staudtii Pax EUPHORBIACEAE (Phyllanthaceae¹)

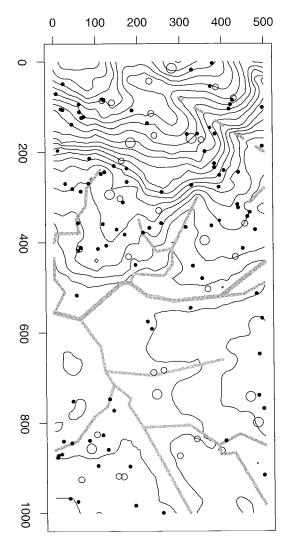
UAST. Medium- to large-sized tree, to about 70 cm dbh, 30 m tall, with numerous stilt-roots. Dioecious, fruits fleshy, yellow, animal-dispersed. Sometimes used for timber, fruits edible but seldom used. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, coastal forests of SE Nigeria, Cameroon and Equatorial Guinea, very limited area but locally abundant. *Conservation status*: Rare=3.

Stem count, total/50 ha = 1183, Species rank = 54

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	610	12.2	12.2	51.56	0.44
>2≤3	189	3.78	15.98	15.98	0.29
>3≤4	101	2.02	18	8.54	0.27
>4≤5	48	0.96	18.96	4.06	0.21
>5≤10	85	1.7	20.66	7.19	0.21
>10≤20	73	1.46	22.12	6.17	0.50
>20≤30	32	0.64	22.76	2.70	0.60
>30≤60	42	0.84	23.6	3.55	1.16
>60	3	0.06	23.66	0.25	0.57



EUPHORBIACEAE (Phyllanthaceae¹) THEC. Medium-sized tree, to 70 cm dbh. *Det. level*: F1,G3,S3. *Distribution*: Not known.



Stem count, total/50 ha = 131, Species rank = 197

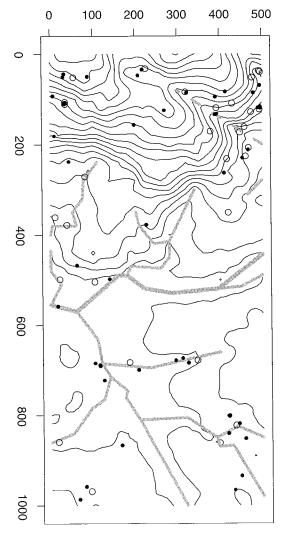
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	39	0.78	0.78	29.77	0.03
>2≤3	28	0.56	1.34	21.37	0.04
>3≤4	18	0.36	1.7	13.74	0.05
>4≤5	13	0.26	1.96	9.92	0.06
>5≤10	21	0.42	2.38	16.03	0.05
>10≤20	2	0.04	2.42	1.53	0.01
>20≤30	1	0.02	2.44	0.76	0.02
>30≤60	9	0.18	2.62	6.87	0.25
>60	0	0	2.62	0.00	0.00

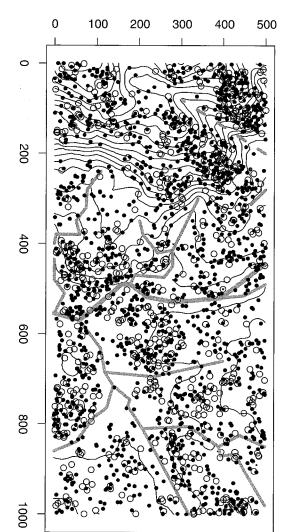
Casearia barteri Aubrév. FLACOURTIACEAE (Salicaceae¹)

WHOM. Medium-sized tree to 20 m tall with a straight bole, branching high. Fruits animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Nigeria to Gabon. *Conservation status*: Common.

Stem count, total/50 ha = 80, Species rank = 231

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	30	0.6	0.6	37.50	0.02
>2≤3	10	0.2	8.0	12.50	0.02
>3≤4	8	0.16	0.96	10.00	0.02
>4≤5	3	0.06	1.02	3.75	0.01
>5≤10	14	0.28	1.3	17.50	0.04
>10≤20	12	0.24	1.54	15.00	0.08
>20≤30	3	0.06	1.6	3.75	0.06
>30≤60	0	0	1.6	0.00	0.00
>60	0	0	1.6	0.00	0.00





DABL. Small tree, seldom more than 30 cm dbh, 15 m tall. Flowers bisexual, fruits animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Endemic to the forests of Lower Guinea, where it is locally abundant. *Conservation status*: Common.

Stem count, total/50 ha = 2143, Species rank = 37

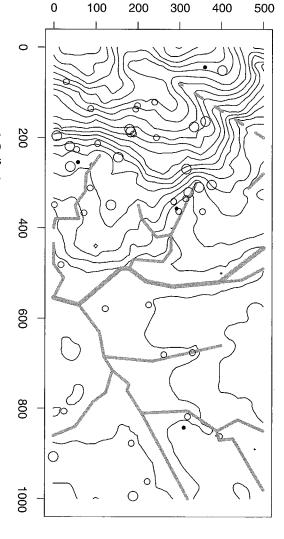
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	723	14.46	14.46	33.74	0.52
>2≤3	372	7.44	21.9	17.36	0.56
>3≤4	244	4.88	26.78	11.39	0.65
>4≤5	130	2.6	29.38	6.07	0.56
>5≤10	397	7.94	37.32	18.53	1.00
>10≤20	267	5.34	42.66	12.46	1.81
>20≤30	9	0.18	42.84	0.42	0.17
>30≤60	0	0	42.84	0.00	0.00
>60	1	0.02	42.86	0.05	0.19

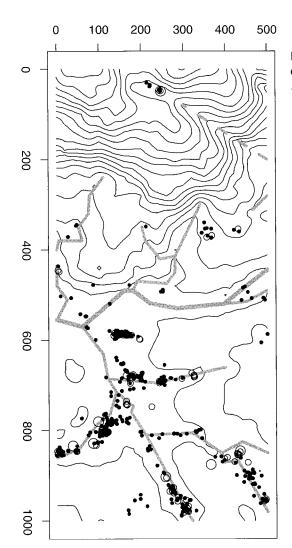
Homalium africanum (Hook.f.) Benth., FLACOURTIACEAE (Salicaceae¹)

HOMO. Medium-sized tree, to about 50 cm dbh, 25 m tall. Flowers bisexual, fruits small, wind-dispersed. *Taxonomic notes*: see *H.sarcopetalum. Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 45, Species rank = 282

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	2	0.04	0.04	4.44	0.01
>4≤5	2	0.04	0.08	4.44	0.01
>5≤10	6	0.12	0.2	13.33	0.02
>10≤20	13	0.26	0.46	28.89	0.09
>20≤30	6	0.12	0.58	13.33	0.11
>30≤60	16	0.32	0.9	35.56	0.44
>60	0	0	0.9	0.00	0.00





HOM2. Medium- to large-sized tree, to about 80 cm dbh, 30 m tall with a compact crown. Flowers bisexual, fruits small, wind-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Upper and Lower Guinea. *Conservation status:* Common.

Stem count, total/50 ha = 618, Species rank = 94

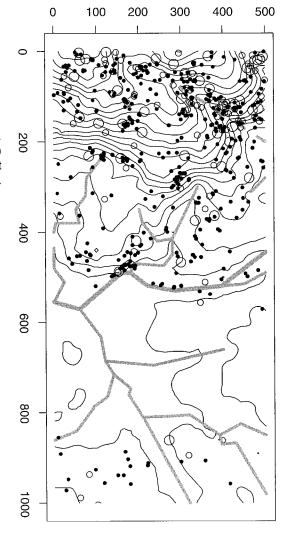
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	333	6.66	6.66	53.88	0.24
>2≤3	122	2.44	9.1	19.74	0.18
>3≤4	53	1.06	10.16	8.58	0.14
>4≤5	26	0.52	10.68	4.21	0.11
>5≤10	33	0.66	11.34	5.34	0.08
>10≤20	30	0.6	11.94	4.85	0.20
>20≤30	14	0.28	12.22	2.27	0.26
>30≤60	7	0.14	12.36	1.13	0.19
>60	0	0	12.36	0.00	0.00

Homalium longistylum Mast. FLACOURTIACEAE (Salicaceae¹)

HOLO. Medium- to large-sized tree, to about 80 cm dbh, 30 m tall, with a compact crown. Flowers bisexual, fruits small, wind-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Forests of tropical Africa. *Conservation status*: Common.

Stem count, total/50 ha = 535, Species rank = 101

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	211	4.22	4.22	39.44	0.15
>2≤3	96	1.92	6.14	17.94	0.14
>3≤4	73	1.46	7.6	13.64	0.19
>4≤5	39	0.78	8.38	7.29	0.17
>5≤10	43	0.86	9.24	8.04	0.11
>10≤20	20	0.4	9.64	3.74	0.14
>20≤30	8	0.16	9.8	1.50	0.15
>30≤60	40	8.0	10.6	7.48	1.11
>60	5	0.1	10.7	0.93	0.95



Homalium sarcopetalum Pierre

FLACOURTIACEAE (Salicaceae 1)

200

300

400

500

0

800

1000

100

HOSA. Medium-sized tree of river banks, to about 50 cm dbh with a spreading crown, but seldom more than about 15 m tall. Flowers bisexual, fruits small, wind-dispersed. *Taxonomic notes*: This species has recently been placed in synonymy with *H. africanum* (Hook.f.) Benth., which also occurs in the plot. To us, the two species are quite distinct, separated by the stipules, leaf shape and habitat, so we are retaining the old name until the problem can be resolved. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.

Stem count, total/50 ha = 88, Species rank = 221

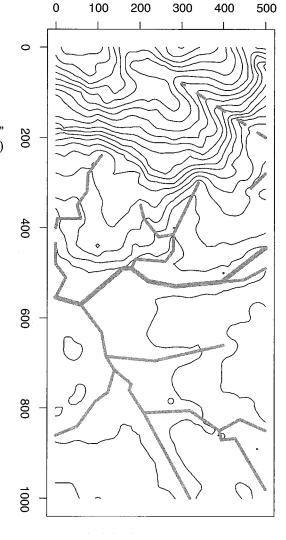
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	52	1.04	1.04	59.09	0.04
>2≤3	20	0.4	1.44	22.73	0.03
>3≤4	8	0.16	1.6	9.09	0.02
>4≤5	3	0.06	1.66	3.41	0.01
>5≤10	2	0.04	1.7	2.27	0.01
>10≤20	1	0.02	1.72	1.14	0.01
>20≤30	0	0	1.72	0.00	0.00
>30≤60	2	0.04	1.76	2.27	0.06
>60	0	0	1.76	0.00	0.00

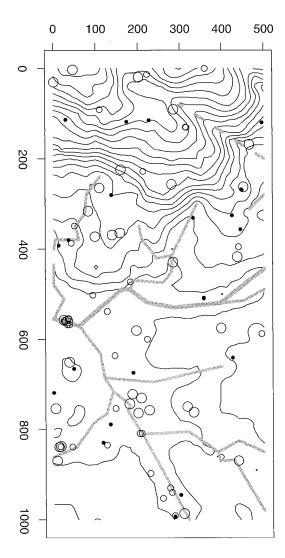
Homalium sp. "HOM4" FLACOURTIACEAE (Salicaceae¹)

HOM4. Small tree or sapling. Det. level: F1,G2,S3. Distribution: Not known.

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	1	0.02	0.02	100.00	0.00
>10≤20	. 0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00





CAGL. Medium-sized tree, to about 20 m tall, trunk irregular, usually less than 60 cm dbh. Flowers bisexual, fruits fleshy, dehiscent, animal-dispersed. *Taxonomic notes*: Syn. *Caloncoba glauca* (P.Beauv.) Gilg. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 88, Species rank = 221

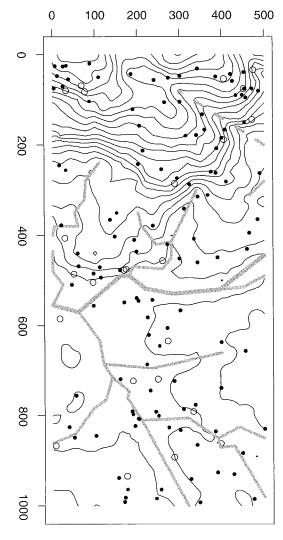
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	13.64	0.01
>2≤3	4	0.08	0.32	4.55	0.01
>3≤4	2	0.04	0.36	2.27	0.01
>4≤5	4	0.08	0.44	4.55	0.02
>5≤10	5	0.1	0.54	5.68	0.01
>10≤20	21	0.42	0.96	23.86	0.14
>20≤30	7	0.14	1.1	7.95	0.13
>30≤60	32	0.64	1.74	36.36	0.88
>60	11	0.02	1.76	1.14	0.19

Oncoba mannii Oliv. FLACOURTIACEAE (Salicaceae¹)

CAMP. Small tree, seldom more than 20 cm dbh, 12 m tall. Flowers bisexual, fruits animal-dispersed. *Taxonomic notes*: Syn. *Camptostylus mannii* (Oliv.) Gilg. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 143, Species rank = 190

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	83	1.66	1.66	58.04	0.06
>2≤3	22	0.44	2.1	15.38	0.03
>3≤4	9	0.18	2.28	6.29	0.02
>4≤5	6	0.12	2.4	4.20	0.03
>5≤10	11	0.22	2.62	7.69	0.03
>10≤20	11	0.22	2.84	7.69	0.07
>20≤30	1	0.02	2.86	0.70	0.02
>30≤60	0	0	2.86	0.00	0.00
>60	0	0	2.86	0.00	0.00



Phyllobotryon spathulatum Müll. Arg. FLACOURTIACEAE (Salicaceae¹)

PHSP. Treelet, usually unbranched, to about 6 m tall, 8 cm dbh, rarely larger. The most abundant species in the plot. Flowers bisexual, borne on the leaf midrib, fruits animal-dispersed. *Taxonomic notes*: A variable species with several distinct forms. The form in the north part of Korup differs in having a distinct petiole and the inflorescence piercing the leaf blade, bearing the flowers and fruit on the underside. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic, locally abundant. *Conservation status*: Common.

Stem count, total/50 ha = 26,728, Species rank = 1

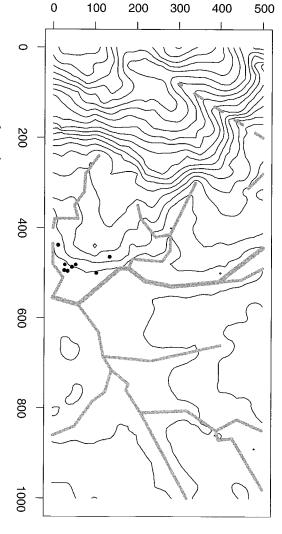
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	13776	275.52	275.52	51.54	9.98
>2≤3	9088	181.76	457.28	34.00	13.71
>3≤4	2905	58.1	515.38	10.87	7.75
>4≤5	719	14.38	529.76	2.69	3.10
>5≤10	236	4.72	534.48	0.88	0.59
>10≤20	3	0.06	534.54	0.01	0.02
>20≤30	1	0.02	534.56	0.00	0.02
>30≤60	0	0	534.56	0.00	0.00
>60	0	0	534.56	0.00	0.00

Phyllobotryon sp. "PHYP" FLACOURTIACEAE (Salicaceae¹)

PHYP. Treelet, usually unbranched, to about 2.5 m tall, 8 cm dbh. Leaves distinctly petiolate. Flowers bisexual, borne on the petiole. Fruit unknown. *Taxonomic notes*: Separated from *P. spathulatum* on the basis of flowers born on the petiole rather than the midrib. *Det. level*: F1,G1,S2. *Distribution*: Not known.

Stem count, total/50 ha = 8, Species rank = 384

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	75.00	0.00
>2≤3	1	0.02	0.14	12.50	0.00
>3≤4	1	0.02	0.16	12.50	0.00
>4≤5	0	0	0.16	0.00	0.00
>5≤10	0	0	0.16	0.00	0.00
>10≤20	0	0	0.16	0.00	0.00
>20≤30	0	0	0.16	0.00	0.00
>30≤60	0	0	0.16	0.00	0.00
>60	0	0	0.16	0.00	0,00



SCCO. Medium- to large-sized tree, to about 30 m tall with a rather compact crown, up to about 70 cm dbh, occasionally larger. Flowers bisexual, fruits small and dehiscent, seeds arillate, bird-dispersed. *Taxonomic notes*: Syn. *S. coriacea* A.Chev. ex Hutch & Dalz. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 599, Species rank = 95

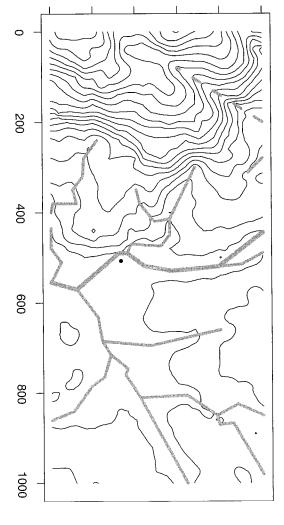
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	201	4.02	4.02	33.56	0.15
>2≤3	75	1.5	5.52	12.52	0.11
>3≤4	26	0.52	6.04	4.34	0.07
>4≤5	30	0.6	6.64	5.01	0.13
>5≤10	82	1.64	8.28	13.69	0.21
>10≤20	90	1.8	10.08	15.03	0.61
>20≤30	49	0.98	11.06	8.18	0.92
>30≤60	44	0.88	11.94	7.35	1.22
>60	2	0.04	11.98	0.33	0.38

Flacourtiaceae sp. "FLAI" FLACOURTIACEAE (Salicaceae¹)

FLAI. Small tree or sapling. Det. level: F1,G3,S3. Distribution: Not known.

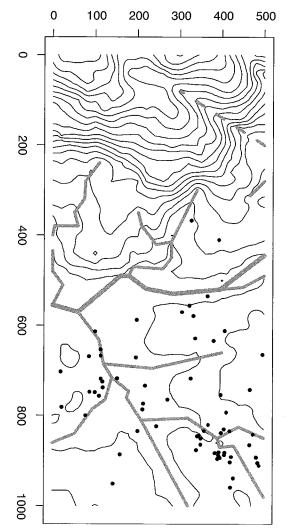
Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	100.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Mostuea brunonis Didr. var. brunonis GELSEMIACEAE (Loganiaceae^{2,3})

MOBR. Treelet, often shrubby, seldom over 1.5 cm dbh, 1.5 m tall. Flowers bisexual, fruits dehiscent capsules, seeds flattened, hairy, dispersal not known. *Taxonomic notes*: Var. *brunonis* is the only var. reported from our area. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 64, Species rank = 256

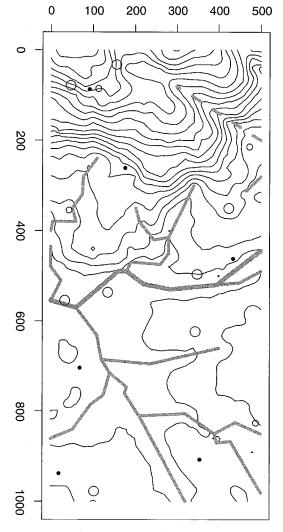
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	64	1.28	1.28	100.00	0.05
>2≤3	0	0	1.28	0.00	0.00
>3≤4	0	0	1.28	0.00	0.00
>4≤5	0	0	1.28	0.00	0.00
>5≤10	0	0	1.28	0.00	0.00
>10≤20	0	0	1.28	0.00	0.00
>20≤30	0	0	1.28	0.00	0.00
>30≤60	0	0	1.28	0.00	0.00
>60	0	0	1.28	0.00	0.00

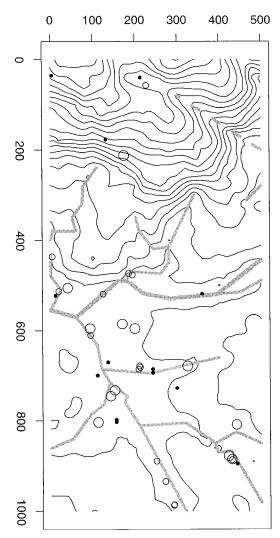
Anthocleista schweinfurthii Gilg GENTIANACEAE (Loganiaceae^{2,3})

ANSC. Pioneer species, fast-growing and often small and short-lived along roadsides, but can become a large tree in forest, to about 60 cm dbh. Flowers unisexual, fruits animal-dispersed with numerous small seeds. Wood soft, density 0.5, local uses only. *Taxonomic notes*: Very similar to *A. vogelii*, distinguished vegetatively by the shortly petiolate leaf base. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 19, Species rank = 332

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	26.32	0.00
>2≤3	1	0.02	0.12	5.26	0.00
>3≤4	1	0.02	0.14	5.26	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	1	0.02	0.16	5.26	0.00
>10≤20	1	0.02	0.18	5.26	0.01
>20≤30	2	0.04	0.22	10.53	0.04
>30≤60	8	0.16	0.38	42.11	0.22
>60	0	0	0.38	0.00	0.00





ANNO. Pioneer species, fast-growing, can become a large tree in forest, to about 80 cm dbh, usually in wetter habitat than *A. schweinfurthii*. Flowers unisexual, fruits animal-dispersed with numerous small seeds. Wood soft, density 0.5, local uses only. *Taxonomic notes*: Very similar to *A. schweinfurthii*, distinguished vegetatively by the sessile leaf base. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 40, Species rank = 289

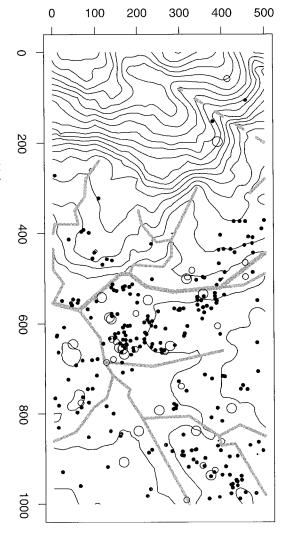
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	25.00	0.01
>2≤3	1	0.02	0.22	2.50	0.00
>3≤4	2	0.04	0.26	5.00	0.01
>4≤5	0	0	0.26	0.00	0.00
>5≤10	1	0.02	0.28	2.50	0.00
>10≤20	9	0.18	0.46	22.50	0.06
>20≤30	5	0.1	0.56	12.50	0.09
>30≤60	12	0.24	0.8	30.00	0.33
>60	0	0	0.8	0.00	0.00

Endodesmia calophylloides Benth. GUTTIFERAE (Clusiaceae¹, Hypericaceae³)

ENCA. Medium-sized tree, to about 60 cm dbh, 30 m tall. Flowers bisexual, fruits about 1.5 mm long, fleshy, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

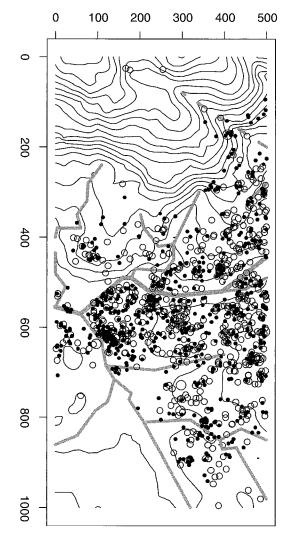
Stem count, total/50 ha = 270, Species rank = 137

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	151	3.02	3.02	55.93	0.11
>2≤3	59	1.18	4.2	21.85	0.09
>3≤4	19	0.38	4.58	7.04	0.05
>4≤5	4	0.08	4.66	1.48	0.02
>5≤10	10	0.2	4.86	3.70	0.03
>10≤20	5	0.1	4.96	1.85	0.03
>20≤30	4	0.08	5.04	1.48	0.07
>30≤60	17	0.34	5.38	6.30	0.47
>60	1	0.02	5.4	0.37	0.19



Garcinia conrauana Engl.

GUTTIFERAE (Clusiaceae 1)



GACO. Small to medium-sized tree, to 40 cm dbh, 20 m tall. Dioecious, fruits large with large seeds, mesocarp thin and firm. Probably animal-dispersed, but also germinate freely where they fall. Det. level: F1,G1,S1. Distribution: Forests of western Cameroon, often forming dense stands on mountainsides. Narrow endemic. Conservation status: Rare=2.

Stem count, total/50 ha = 1287, Species rank = 51

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	303	6.06	6.06	23.54	0.22
>2≤3	177	3.54	9.6	13.75	0.27
>3≤4	127	2.54	12.14	9.87	0.34
>4≤5	86	1.72	13.86	6.68	0.37
>5≤10	255	5.1	18.96	19.81	0.64
>10≤20	225	4.5	23.46	17.48	1.53
>20≤30	96	1.92	25.38	7.46	1.80
>30≤60	18	0.36	25.74	1.40	0.50
>60	0	0	25.74	0.00	0.00

0

100

200

300

400

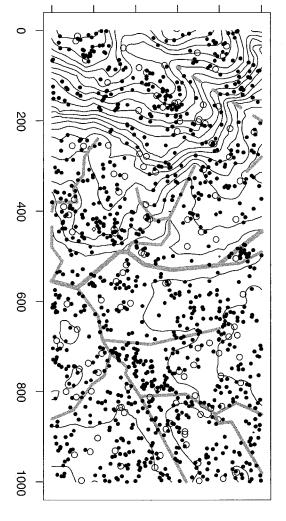
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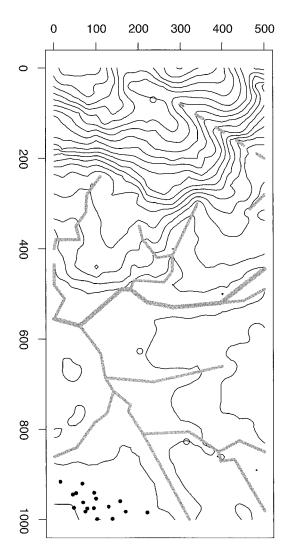
Garcinia gnetoides Hutch. & Dalz. GUTTIFERAE (Clusiaceae¹)

GAR2. Small tree, less than 30 cm dbh and about 15 m tall. Dioecious, fruits fleshy, animal-dispersed. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea, widespread.

Stem count, total/50 ha = 1141, Species rank = 56

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	728	14.56	14.56	63.80	0.53
>2≤3	175	3.5	18.06	15.34	0.26
>3≤4	79	1.58	19.64	6.92	0.21
>4≤5	39	0.78	20.42	3.42	0.17
>5≤10	71	1.42	21.84	6.22	0.18
>10≤20	43	0.86	22.7	3.77	0.29
>20≤30	6	0.12	22.82	0.53	0.11
>30≤60	0	0	22.82	0.00	0.00
>60	0	0	22.82	0.00	0.00





GAKO. Large tree, reaching to 100 cm dbh and 30 m tall. Dioecious, fruits large, c. 8 cm diameter with seeds 3 cm long, animal-dispersed. Many uses, the fruits and seeds ("bitter kola") are eaten, the bark is medicinal and the heavy timber is sometimes used. Trade name: *onie*, (Durop) *munjari*, (Oroko) *bo nya. Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, Congo Basin, widespread.

Stem count, total/50 ha = 20, Species rank = 328

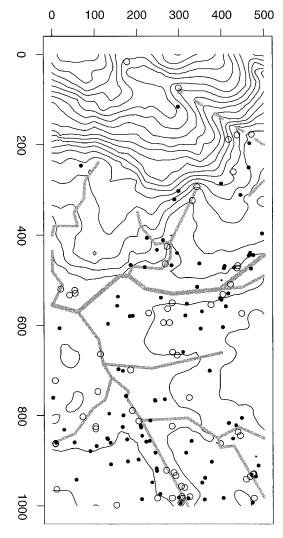
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	16	0.32	0.32	80.00	0.01
>2≤3	1	0.02	0.34	5.00	0.00
>3≤4	0	0	0.34	0.00	0.00
>4≤5	0	0	0.34	0.00	0.00
>5≤10	0	0	0.34	0.00	0.00
>10≤20	1	0.02	0.36	5.00	0.01
>20≤30	2	0.04	0.4	10.00	0.04
>30≤60	0	0	0.4	0.00	0.00
>60	0	0	0.4	0.00	0.00

Garcinia mannii Oliv. GUTTIFERAE (Clusiaceae¹)

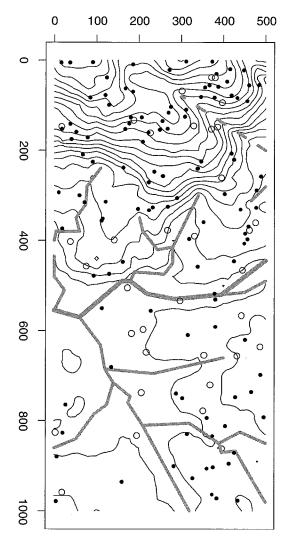
GAMA. Small tree, less than 20 cm dbh, 12 m tall. Dioecious, fruits rather small, animal-dispersed. Heavily exploited for "chewing sticks". (Durop) *urok*, (Oroko) *esa. Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 158, Species rank = 182

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	46	0.92	0.92	29.11	0.03
>2≤3	18	0.36	1.28	11.39	0.03
>3≤4	23	0.46	1.74	14.56	0.06
>4≤5	11	0.22	1.96	6.96	0.05
>5≤10	37	0.74	2.7	23.42	0.09
>10≤20	23	0.46	3.16	14.56	0.16
>20≤30	0	0	3.16	0.00	0.00
>30≤60	0	0	3.16	0.00	0.00
>60	0	0	3.16	0.00	0.00



GUTTIFERAE (Clusiaceae¹)



GAOV. Small tree, to 25 cm dbh, 15 m tall. Dioecious, fruits rather small, animal-dispersed. *Taxonomic notes*: This species is reported to occur from wet forests to gallery forests. Keay in FWTA states that the specimens from wetter forests may represent a different species. *Det. level*: F1,G1,S1. *Distribution*: Forests and galleries of tropical Africa. *Conservation status*: Common.

Stem count, total/50 ha = 151, Species rank = 185

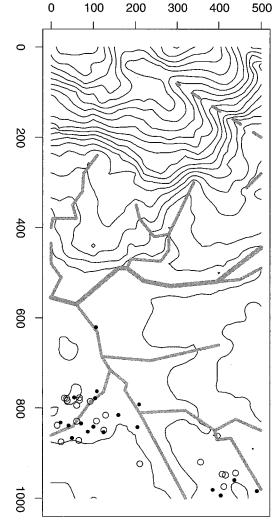
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	44	0.88	0.88	29.14	0.03
>2≤3	36	0.72	1.6	23.84	0.05
>3≤4	23	0.46	2.06	15.23	0.06
>4≤5	14	0.28	2.34	9.27	0.06
>5≤10	29	0.58	2.92	19.21	0.07
>10≤20	4	0.08	3	2.65	0.03
>20≤30	1	0.02	3.02	0.66	0.02
>30≤60	0	0	3.02	0.00	0.00
>60	0	0	3.02	0.00	0.00

Garcinia smeathmannii (Planch. & Triana) Oliv. GUTTIFERAE (Clusiaceae¹)

GAR4. Small- to medium-sized tree, to about 30 cm dbh, 20 m tall. Dioecious, fruits about 2 cm, fleshy, animal-dispersed. *Taxonomic notes*: Syn. *G. polyantha* Oliv. *Det. level*: F1,G1,S1. *Distribution*: Widespread in tropical Africa. *Conservation status*: Common over a large elevation range from sea level to 2000 m.

Stem count, total/50 ha = 38, Species rank = 294

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	18.42	0.01
>2≤3	2	0.04	0.18	5.26	0.00
>3≤4	2	0.04	0.22	5.26	0.01
>4≤5	7	0.14	0.36	18.42	0.03
>5≤10	11	0.22	0.58	28.95	0.03
>10≤20	7	0.14	0.72	18.42	0.05
>20≤30	2	0.04	0.76	5.26	0.04
>30≤60	0	0	0.76	0.00	0.00
>60	0	0	0.76	0.00	0.00



400

500

GAR3. Treelet or small tree, to about 4 cm dbh, 3 m tall. Probably dioecious, fruits probably animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 29, Species rank = 311

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	21	0.42	0.42	72.41	0.02
>2≤3	5	0.1	0.52	17.24	0.01
>3≤4	3	0.06	0.58	10.34	0.01
>4≤5	0	0	0.58	0.00	0.00
>5≤10	0	0	0.58	0.00	0.00
>10≤20	0	0	0.58	0.00	0.00
>20≤30	0	0	0.58	0.00	0.00
>30≤60	0	0	0.58	0.00	0.00
>60	0	0	0.58	0.00	0.00

100

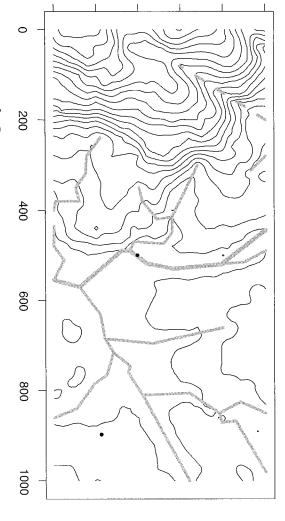
Garcinia sp. "GAR5" GUTTIFERAE (Clusiaceae¹)

GAR5. Small tree. Det. level: F1,G1,S3. Distribution: Not known.

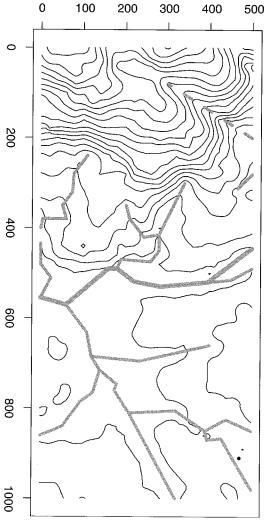
1000

Stem count, total/50 ha = 2, Species rank = 444

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	100.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00



GATB. Small tree or sapling. Further research may show this to be one of the other *G.* spp. from the plot. Probably dioecious, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.



Not known.

Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

100

200

300

400

500

Garcinia sp. "NGAR"

GUTTIFERAE (Clusiaceae¹)

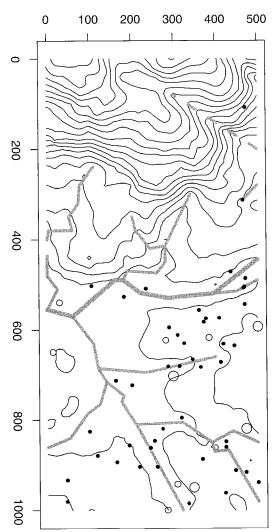
NGAR. Small tree or sapling, needs further study. *Det. level*: F1,G1,S3. *Distribution*:

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

0 200 400 600 800 1000

GUTTIFERAE (Clusiaceae¹)



MAAF. Large tree with a compact crown, to 100 cm dbh, 30 m tall. Dioecious or polygamous, fruits large (c. 8 cm long) with large seeds (c. 6 cm long), animal-dispersed. Used for med/heavy timber, fruits edible, though apparently not eaten in Korup area. *Det. level:* F1,G1,S1. *Distribution*: Upper and Lower Guinea, Congo Basin, widespread.

Stem count, total/50 ha = 56, Species rank = 263

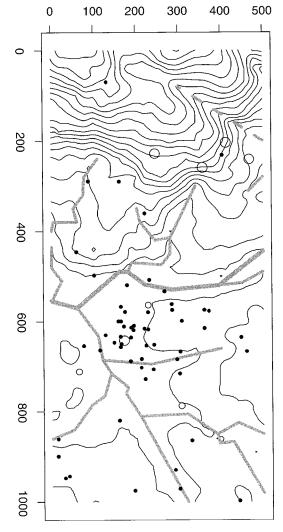
Diameter class (cm)	Total no. trees in	No. trees per ha	Cumulative tree count	% by size class	% of all species by
	50 ha		per ha		size class
1≤2	26	0.52	0.52	46.43	0.02
>2≤3	16	0.32	0.84	28.57	0.02
>3≤4	4	0.08	0.92	7.14	0.01
>4≤5	0	0	0.92	0.00	0.00
>5≤10	0	0	0.92	0.00	0.00
>10≤20	2	0.04	0.96	3.57	0.01
>20≤30	4	0.08	1.04	7.14	0.07
>30≤60	4	0.08	1.12	7.14	0.11
>60	0	0	1.12	0.00	0.00

Pentadesma butryacea Sabine GUTTIFERAE (Clusiaceae¹)

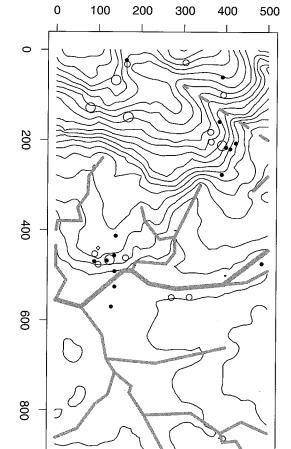
PEBU. Large tree with a rather dense, compact crown, over 100 cm dbh, 30 m tall. Flowers bisexual, fruits large, up to 15 cm, with large seeds, animal-dispersed. The heavy timber has some uses, the seeds yield edible oil which is not used in the Korup area. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, widespread in wetter forests.

Stem count, total/50 ha = 66, Species rank = 252

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	33	0.66	0.66	50.00	0.02
>2≤3	13	0.26	0.92	19.70	0.02
>3≤4	6	0.12	1.04	9.09	0.02
>4≤5	6	0.12	1.16	9.09	0.03
>5≤10	3	0.06	1.22	4.55	0.01
>10≤20	0	0	1.22	0.00	0.00
>20≤30	0	0	1.22	0.00	0.00
>30≤60	0	0	1.22	0.00	0.00
>60	5	0.1	1.32	7.58	0.95



Pentadesma grandifolia Bak.f. GUTTIFERAE (Clusiaceae¹)



PENT. Medium- to large-sized tree, to about 50 cm dbh. Flowers bisexual, fruits probably large and animal-dispersed. Det. level: F1,G2,S3. Distribution: Not known.

Stem count, total/50 ha = 30, Species rank = 305

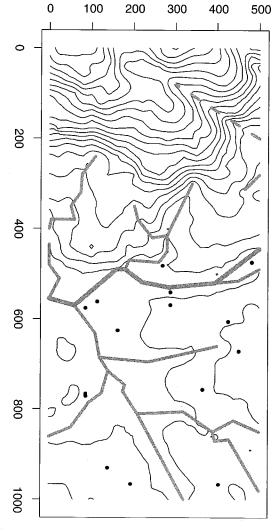
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	16.67	0.00
>2≤3	4	0.08	0.18	13.33	0.01
>3≤4	4	0.08	0.26	13.33	0.01
>4≤5	2	0.04	0.3	6.67	0.01
>5≤10	5	0.1	0.4	16.67	0.01
>10≤20	1	0.02	0.42	3.33	0.01
>20≤30	4	0.08	0.5	13.33	0.07
>30≤60	5	0.1	0.6	16.67	0.14
>60	0	00	0.6	0.00	0.00

Psorospermum tenuifolium Hook.f. GUTTIFERAE (Clusiaceae¹, Hypericaceae³)

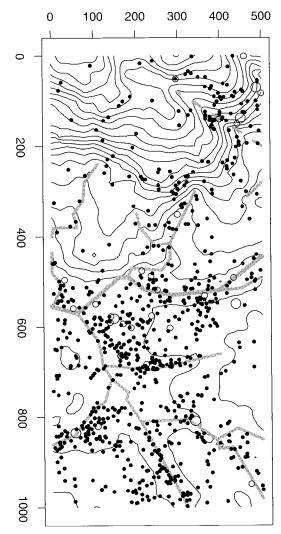
PSOR. Treelet to about 3 cm dbh, 3 m tall. Flowers bisexual, fruit a berry, animaldispersed. Det. level: F1,G1,S1. Distribution: Lower Guinea. Conservation status: Common.

Stem count, total/50 ha = 15, ra nk order = 352

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	66.67	0.01
>2≤3	4	0.08	0.28	26.67	0.01
>3≤4	1	0.02	0.3	6.67	0.00
>4≤5	0	0	0.3	0.00	0.00
>5≤10	0	0	0.3	0.00	0.00
>10≤20	0	0	0.3	0.00	0.00
>20≤30	0	0	0.3	0.00	0.00
>30≤60	0	0	0.3	0.00	0.00
>60	0	0	0.3	0.00	0.00



Symphonia globulifera Linn.f. GUTTIFERAE (Clusiaceae¹)



SYGL. Large tree, to 35 m tall, 100 cm dbh. Flowers bisexual, fruits about 3 cm long, animal-dispersed. Taxonomic notes: This species, the only one reported from western Africa, has a very wide range of habitats and appearance, and may turn out to be several species. Det. level: F1,G1,S1. Distribution: Tropical Africa. Conservation status:

Stem count, total/50 ha = 805, Species rank = 74

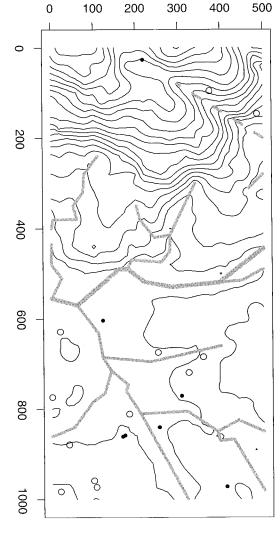
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	606	12.12	12.12	75.28	0.44
>2≤3	117	2.34	14.46	14.53	0.18
>3≤4	36	0.72	15.18	4.47	0.10
>4≤5	15	0.3	15.48	1.86	0.06
>5≤10	16	0.32	15.8	1.99	0.04
>10≤20	4	0.08	15.88	0.50	0.03
>20≤30	5	0.1	15.98	0.62	0.09
>30≤60	6	0.12	16.1	0.75	0.17
>60	0	0	16.1	0.00	0.00

Hoplestigma kleineanum Pierre **HOPLESTIGMATACEAE**

ALTB. Medium-sized tree to about 30 cm dbh, 25 m tall, crown long, narrow, composed of few, erect branches, leafy with large leaves. Flowers bisexual, fruits about 3 cm long, animal-dispersed. Taxonomic notes: Poorly-known family/genus of uncertain affinity. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea, seldom collected. Conservation status: Rare=3.

Stem count, total/50 ha = 19, Species rank = 332

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	31.58	0.00
>2≤3	1	0.02	0.14	5.26	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	2	0.04	0.18	10.53	0.01
>10≤20	4	0.08	0.26	21.05	0.03
>20≤30	6	0.12	0.38	31.58	0.11
>30≤60	0	0	0.38	0.00	0.00
>60	0	0	0.38	0.00	0.00



Sacoglottis gabonensis (Baill.) Urb. HUMIRIACEAE

SAGA. Large tree to about 30 m tall, 100 cm dbh, crown dense, spreading, trunk often short, main branches very long. Flowers bisexual, fruits about 3 cm long, animal-dispersed (incl. elephants), water-dispersed, endocarp hard with cavities. *Det. level:* F1,G1,S1. *Distribution*: Upper and Lower Guinea, often abundant near the coast and on sand dunes. *Conservation status*: Common.

Stem count, total/50 ha = 2, Species rank = 444

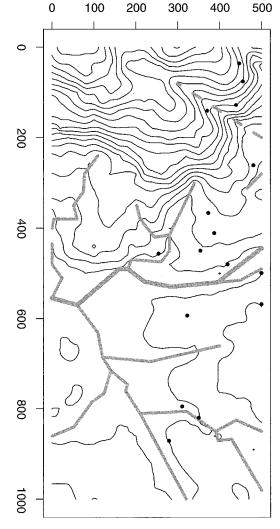
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	1	0.02	0.02	50.00	0.03
>60	1	0.02	0.04	50.00	0.19

Alsodeiopsis weissenborniana J.Braun & K.Schum. ICACINACEAE

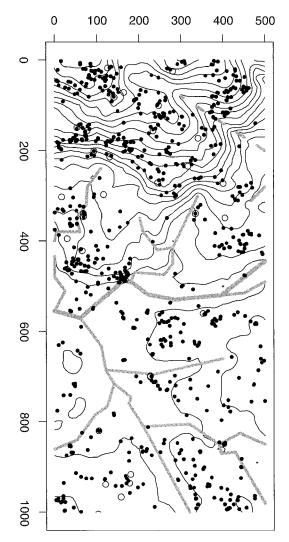
ERYT. Treelet or small tree to about 2 cm dbh, 2 m tall. Flowers bisexual, drupes about 2 cm long, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea, *Conservation status*: Apparently common.

Stem count, total/50 ha = 16, Species rank = 347

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	16	0.32	0.32	100.00	0.01
>2≤3	0	0	0.32	0.00	0.00
>3≤4	0	0	0.32	0.00	0.00
>4≤5	0	0	0.32	0.00	0.00
>5≤10	0	0	0.32	0.00	0.00
>10≤20	0	0	0.32	0.00	0.00
>20≤30	0	0	0.32	0.00	0.00
>30≤60	0	0	0.32	0.00	0.00
>60	0	0	0.32	0.00	0.00



Lasianthera africana P.Beauv. ICACINACEAE



LAAF. Small tree, less than 10 cm dbh, 5 m tall. Flowers bisexual, fruits about 1 cm, flattened, with the persistent disc at the base. Dispersal not known. Leaves eaten in some areas, wood used for tool handles. *Det. level:* F1,G1,S1. *Distribution:* Mostly Lower Guinea. *Conservation status:* Common, locally abundant.

Stem count, total/50 ha = 791, Species rank = 75

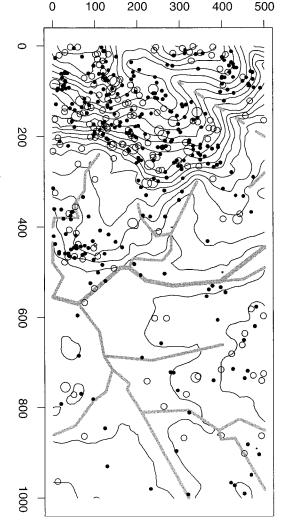
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	426	8.52	8.52	53.86	0.31
>2≤3	210	4.2	12.72	26.55	0.32
>3≤4	86	1.72	14.44	10.87	0.23
>4≤5	37	0.74	15.18	4.68	0.16
>5≤10	32	0.64	15.82	4.05	0.08
>10≤20	0	0	15.82	0.00	0.00
>20≤30	0	0	15.82	0.00	0.00
>30≤60	0	0	15.82	0.00	0.00
>60	0	0	15.82	0.00	0.00

Leptaulus daphnoides Benth. ICACINACEAE

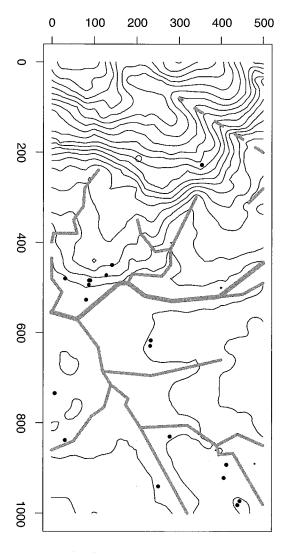
LEDA. Small- to medium-sized tree, less than 50 cm dbh, 20 m tall. Flowers bisexual, drupes about 1 cm long, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Forests of tropical Africa. *Conservation status*: Common.

Stem count, total/50 ha = 474, Species rank = 109

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	183	3.66	3.66	38.61	0.13
>2≤3	65	1.3	4.96	13.71	0.10
>3≤4	30	0.6	5.56	6.33	0.08
>4≤5	25	0.5	6.06	5.27	0.11
>5≤10	64	1.28	7.34	13.50	0.16
>10≤20	58	1.16	8.5	12.24	0.39
>20≤30	28	0.56	9.06	5.91	0.52
>30≤60	21	0.42	9.48	4.43	0.58
>60	0	0	9.48	0.00	0.00



EUP3. Small tree or sapling to 6 cm dbh. Det. level: F2,G3,S3. Distribution: Not known.



Stem count, total/50 ha = 19, Species rank = 332

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	14	0.28	0.28	73.68	0.01
>2≤3	4	0.08	0.36	21.05	0.01
>3≤4	0	0	0.36	0.00	0.00
>4≤5	0	0	0.36	0.00	0.00
>5≤10	1	0.02	0.38	5.26	0.00
>10≤20	0	0	0.38	0.00	0.00
>20≤30	0	0	0.38	0.00	0.00
>30≤60	0	0	0.38	0.00	0.00
>60	0	0	0.38	0.00	0.00

0

100

200

300

400

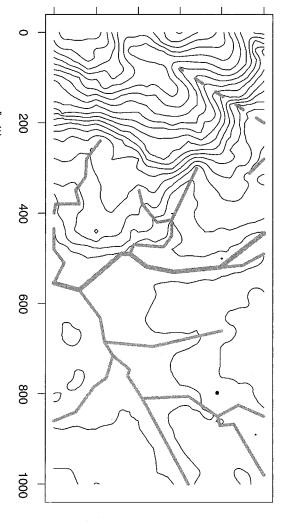
500

Icacinaceae sp. "LEPT" ICACINACEAE

LEPT. Treelet or sapling, 1 cm dbh. Det. level: F2,G3,S3. Distribution: Not known.

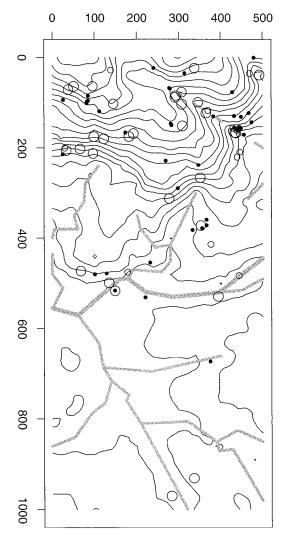
Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Desbordesia glaucescens (Engl.) Tiegh. IRVINGIACEAE

DEGL. Large, buttressed tree, to 50 m tall, 2.5 m dbh above buttresses. Evergreen, the young leaves are a characteristic pink-purple color. Flowers bisexual, fruits winged, probably wind-dispersed. The hard, heavy wood is sometimes used, the seeds are edible, but not eaten in the Korup area. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.



Stem count, total/50 ha = 83, Species rank = 229

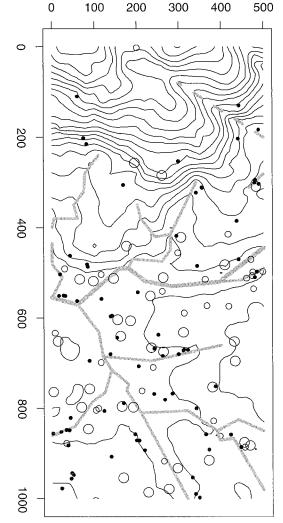
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	30	0.6	0.6	36.14	0.02
>2≤3	5	0.1	0.7	6.02	0.01
>3≤4	2	0.04	0.74	2.41	0.01
>4≤5	3	0.06	0.8	3.61	0.01
>5≤10	4	0.08	0.88	4.82	0.01
>10≤20	6	0.12	1	7.23	0.04
>20≤30	2	0.04	1.04	2.41	0.04
>30≤60	5	0.1	1.14	6.02	0.14
>60	26	0.52	1.66	31.33	4.92

Irvingia gabonensis (Aubry-Lecomte ex O'Rorke) Baill. IRVINGIACEAE

IRGA. Large tree, to 40 m tall, 100 cm dbh. Flowers bisexual, drupes large, mangolike, about 6 cm long with a flattened seed, animal-dispersed. Seeds commercially important as okra-like sauce thickener, fruits edible. *Taxonomic notes*: Very difficult to separate from *I.wombolu* Verm. and *I.robur* Mildbr. which both occur in the Korup area, some confusion possible, especially of saplings. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 132, Species rank = 196

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	35	0.7	0.7	26.52	0.03
>2≤3	16	0.32	1.02	12.12	0.02
>3≤4	13	0.26	1.28	9.85	0.03
>4≤5	8	0.16	1.44	6.06	0.03
>5≤10	16	0.32	1.76	12.12	0.04
>10≤20	4	0.08	1.84	3.03	0.03
>20≤30	6	0.12	1.96	4.55	0.11
>30≤60	20	0.4	2.36	15.15	0.55
>60	14	0.28	2.64	10.61	2.65



Irvingia grandifolia (Engl.) Engl. IRVINGIACEAE

IRGR. Large tree, to 40 m tall, 1.5 m dbh. Flowers bisexual, drupes about 4 cm long, animal-dispersed. Seeds edible but seldom used. *Taxonomic notes*: Easily distinguished by its large leaves. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 15, Species rank = 352

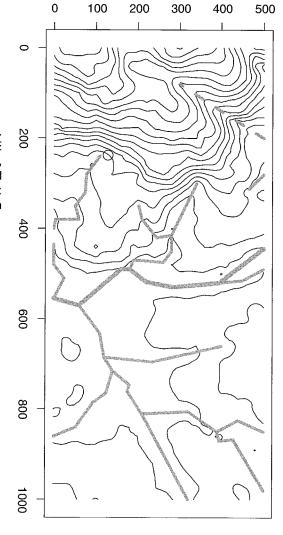
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	33.33	0.00
>2≤3	1	0.02	0.12	6.67	0.00
>3≤4	3	0.06	0.18	20.00	0.01
>4≤5	0	0	0.18	0.00	0.00
>5≤10	1	0.02	0.2	6.67	0.00
>10≤20	2	0.04	0.24	13.33	0.01
>20≤30	0	0	0.24	0.00	0.00
>30≤60	2	0.04	0.28	13.33	0.06
>60	11	0.02	0.3	6.67	0.19

Irvingia robur Mildbr.
IRVINGIACEAE

IRVI. Large tree, 35 m tall, 100 cm dbh. Flowers bisexual, fruits large, c. 8 cm, flattened, animal-dispersed. Seeds are edible, fruit not eaten. *Taxonomic notes*: Easily confused with *I.gabonensis* except when fruiting. Some confusion of saplings is likely. *Det. level*: F1,G1,S2. *Distribution*: Congo Basin. *Conservation status*: Apparently fairly common in drier forests.

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	. 0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	0	0	0	0.00	0.00
>60	11	0.02	0.02	100.00	0.19



Klainedoxa gabonensis Pierre ex Engl. IRVINGIACEAE

KLGA. Large buttressed tree, to about 50 m tall, 1.5 m dbh above the buttresses, large dense crown. Flowers bisexual, fruits 5-lobed, variable in size, those in Korup about 8 cm diameter, animal-dispersed. Seeds edible but seldom used in the Korup area. The hard, heavy wood is used for bridges, railroad ties. *Taxonomic notes*: A difficult genus, David Harris recognizes 2 species from the area, separated by fruits and by differences in leaf venation. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolian. *Conservation status*: Common.

Stem count, total/50 ha = 8, Species rank = 384

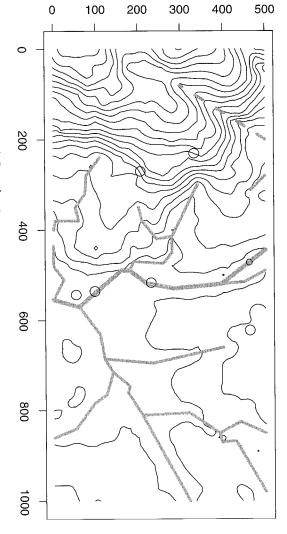
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	12.50	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	1	0.02	0.04	12.50	0.00
>4≤5	1	0.02	0.06	12.50	0.00
>5≤10	1	0.02	0.08	12.50	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	4	0.08	0.16	50.00	0.76

Klainedoxa trillesii Pierre ex Tiegh. IRVINGIACEAE

KLTR. Large, evergreen, buttressed tree, to about 35 m tall, 100 cm dbh, large dense crown. Flowers bisexual, fruits rounded, glaucous, about 4 cm, animal-dispersed. *Taxonomic notes*: Similar to *K.gabonensis*, can be separated without fruit by the laxer tertiary venation of the leaves, but confusion is possible. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolian. *Conservation status*: Common.

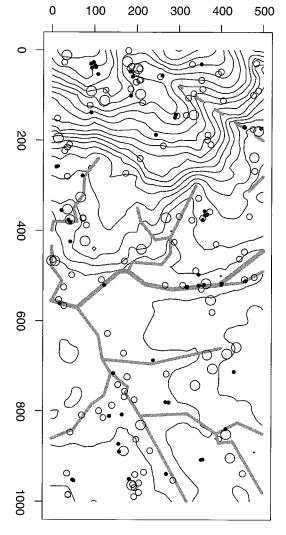
Stem count, total/50 ha = 7, Species rank = 396

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	1	0.02	0.02	14.29	0.01
>20≤30	0	0	0.02	0.00	0.00
>30≤60	2	0.04	0.06	28.57	0.06
>60	4	0.08	0.14	57.14	0.76



Vitex grandifolia Gürke LABIATAE (Lamiaceae¹), Verbenaceae³)

VIGR. Medium- to large-sized tree, to about 30 m tall. Flowers bisexual, fruits fleshy and animal-dispersed, fruits edible, but apparently not used in the Korup area. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.



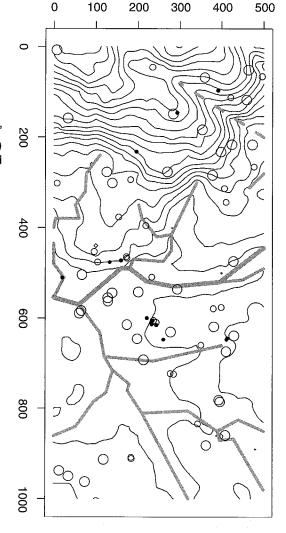
Stem count, total/50 ha = 181, Species rank = 169

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	26	0.52	0.52	14.36	0.02
>2≤3	9	0.18	0.7	4.97	0.01
>3≤4	10	0.2	0.9	5.52	0.03
>4≤5	13	0.26	1.16	7.18	0.06
>5≤10	26	0.52	1.68	14.36	0.07
>10≤20	22	0.44	2.12	12.15	0.15
>20≤30	45	0.9	3.02	24.86	0.84
>30≤60	30	0.6	3.62	16.57	0.83
>60	0	0	3.62	0.00	0.00

Vitex sp. "VIT2" LABIATAE (Lamiaceae¹, Verbenaceae³) VIT2. Large tree to about 30 m tall, 1.2 m dbh. Flowers bisexual, fruits fleshy and animal-dispersed. Det. level: F1,G1,S3. Distribution: Not known.

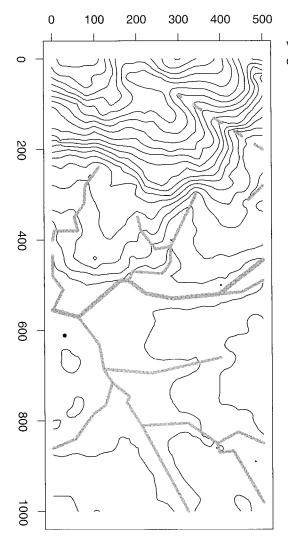
Stem count, total/50 ha = 77, Species rank = 238

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	1.30	0.00
>2≤3	3	0.06	0.08	3.90	0.00
>3≤4	6	0.12	0.2	7.79	0.02
>4≤5	4	0.08	0.28	5.19	0.02
>5≤10	7	0.14	0.42	9.09	0.02
>10≤20	11	0.22	0.64	14.29	0.07
>20≤30	7	0.14	0.78	9.09	0.13
>30≤60	10	0.2	0.98	12.99	0.28
>60	28	0.56	1.54	36.36	5.30



Vitex sp. "VIT3" LABIATAE (Lamiaceae¹, Verbenaceae³)

VIT3. Small tree or sapling. Flowers probably bisexual, fruits fleshy and animaldispersed. Det. level: F1,G1,S3. Distribution: Not known.



Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.001
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Vitex sp. "VITI" LABIATAE (Lamiaceae¹, Verbenaceae³) VITI. Large tree to about 30 m tall, 1.2 m dbh. Flowers bisexual, fruits fleshy and animal-dispersed. Det. level: F1,G1,S3. Distribution: Not known.

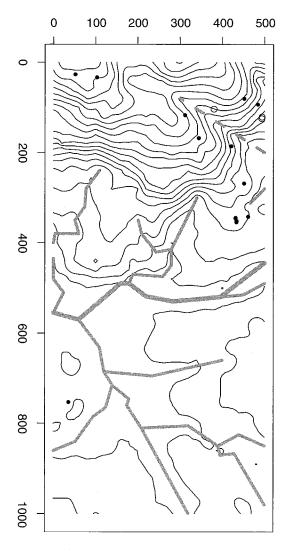
Stem count, total/50 ha = 135, Species rank = 193

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	39	0.78	0.78	28.89	0.03
>2≤3	23	0.46	1.24	17.04	0.03
>3≤4	12	0.24	1.48	8.89	0.03
>4≤5	12	0.24	1.72	8.89	0.05
>5≤10	24	0.48	2.2	17.78	0.06
>10≤20	7	0.14	2.34	5.19	0.05
>20≤30	5	0.1	2.44	3.70	0.09
>30≤60	2	0.04	2.48	1.48	0.06
>60	11	0.22	2.7	8.15	2.08

100 200 300 400 500 400 600

LABIATAE (Lamiaceae¹, Verbenaceae³)

VITV. Treelet, less than 10 cm dbh. Flowers bisexual, fruits fleshy and animal-dispersed, *Det. level*: F1,G1,S3. *Distribution*: Not known.



Stem count, total/50 ha = 18, Species rank = 338

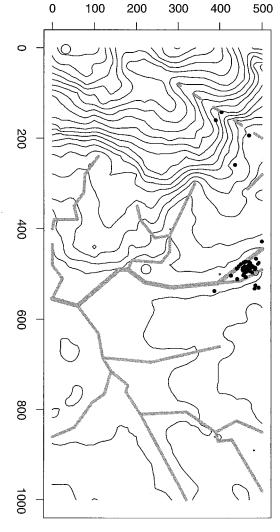
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	55.56	0.01
>2≤3	3	0.06	0.26	16.67	0.00
>3≤4	2	0.04	0.3	11.11	0.01
>4≤5	0	0	0.3	0.00	0.00
>5≤10	3	0.06	0.36	16.67	0.01
>10≤20	0	0	0.36	0.00	0.00
>20≤30	0	0	0.36	0.00	0.00
>30≤60	0	0	0.36	0.00	0.00
>60	0	0	0.36	0.00	0.00

Vitex sp. "VITP" LABIATAE (Lamiaceae¹, Verbenaceae³)

VITP. Medium-sized tree to 20 m tall, leaves with pink petiole, petiolule and midrib. Flowers bisexual, fruits fleshy and animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 59, Species rank = 260

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	32	0.64	0.64	54.24	0.02
>2≤3	16	0.32	0.96	27.12	0.02
>3≤4	6	0.12	1.08	10.17	0.02
>4≤5	2	0.04	1.12	3.39	0.01
>5≤10	1	0.02	1.14	1.69	0.00
>10≤20	0	0	1.14	0.00	0.00
>20≤30	0	0 -	1.14	0.00	0.00
>30≤60	2	0.04	1.18	3.39	0.06
>60	0	0	1.18	0.00	0.00



Beilschmiedia acuta Costermans LAURACEAE

1000

BEI4. Small- to medium-sized tree, often branched low, to 40 cm dbh in KFDP (60 cm in lit.), and about 15 m tall. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S2. *Distribution*: Cameroon, CAR, known only from a few collections. *Conservation status*: Rare=3.

Stem count, total/50 ha = 323, Species rank = 126

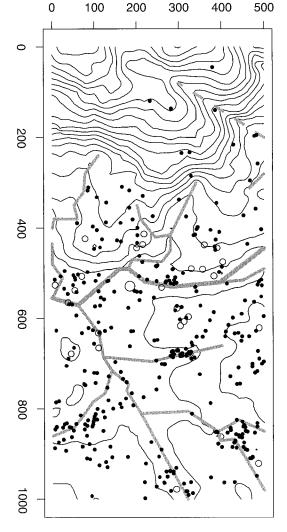
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	163	3.26	3.26	50.46	0.12
>2≤3	74	1.48	4.74	22.91	0.11
>3≤4	40	0.8	5.54	12.38	0.11
>4≤5	15	0.3	5.84	4.64	0.06
>5≤10	23	0.46	6.3	7.12	0.06
>10≤20	5	0.1	6.4	1.55	0.03
>20≤30	1	0.02	6.42	0.31	0.02
>30≤60	2	0.04	6.46	0.62	0.06
>60	0	0	6.46	0.00	0.00

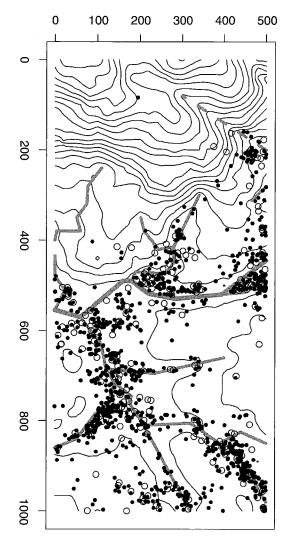
Beilschmiedia jacques-felixii Ron. & Wilcz. LAURACEAE

BEI3. Small- to medium-sized tree to 30 cm dbh. Flowers bisexual, fruit about 3 cm long, animal-dispersed. Seeds reportedly used as a condiment, though not in Korup area. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea. *Conservation status*: Probably common.

Stem count, total/50 ha = 365, Species rank = 121

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	190	3.8	3.8	52.05	0.14
>2≤3	93	1.86	5.66	25.48	0.14
>3≤4	36	0.72	6.38	9.86	0.10
>4≤5	19	0.38	6.76	5.21	0.08
>5≤10	19	0.38	7.14	5.21	0.05
>10≤20	6	0.12	7.26	1.64	0.04
>20≤30	1	0.02	7.28	0.27	0.02
>30≤60	1	0.02	7.3	0.27	0.03
>60	0	0	7.3	0.00	0.00





BEI2. Small tree, to 15 cm dbh. Flowers probably bisexual, fruits probably animal-dispersed. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1349, Species rank = 48

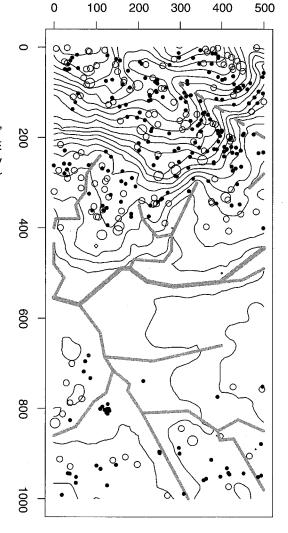
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	486	9.72	9.72	36.03	0.35
>2≤3	349	6.98	16.7	25.87	0.53
>3≤4	192	3.84	20.54	14.23	0.51
>4≤5	115	2.3	22.84	8.52	0.50
>5≤10	196	3.92	26.76	14.53	0.49
>10≤20	11	0.22	26.98	0.82	0.07
>20≤30	0	0	26.98	0.00	0.00
>30≤60	0	0	26.98	0.00	0.00
>60	0	0	26.98	0.00	0.00

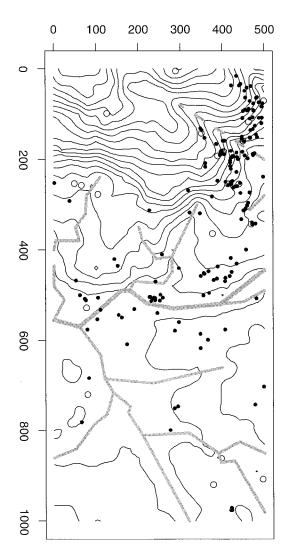
Beilschmiedia sp. "BEI6" LAURACEAE

BEI6. Medium-sized tree to 60 cm dbh. Flowers probably bisexual, fruits probably animal-dispersed. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 372, Species rank = 120

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	107	2.14	2.14	28.76	0.08
>2≤3	57	1.14	3.28	15.32	0.09
>3≤4	35	0.7	3.98	9.41	0.09
>4≤5	32	0.64	4.62	8.60	0.14
>5≤10	62	1.24	5.86	16.67	0.16
>10≤20	47	0.94	6.8	12.63	0.32
>20≤30	16	0.32	7.12	4.30	0.30
>30≤60	15	0.3	7.42	4.03	0.41
>60	1	0.02	7.44	0.27	0.19





BEIP. Small tree to about 10 cm dbh, occasionally larger. Flowers probably bisexual, fruits probably animal-dispersed. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 181, Species rank = 169

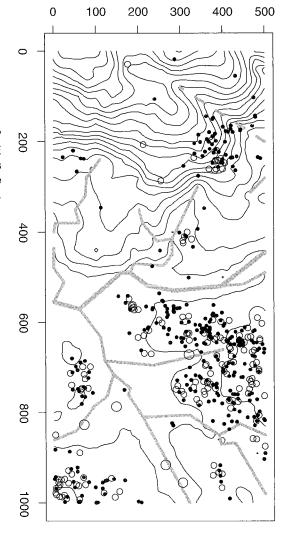
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	72	1.44	1.44	39.78	0.05
>2≤3	52	1.04	2.48	28.73	0.08
>3≤4	26	0.52	3	14.36	0.07
>4≤5	11	0.22	3.22	6.08	0.05
>5≤10	18	0.36	3.58	9.94	0.05
>10≤20	1	0.02	3.6	0.55	0.01
>20≤30	1	0.02	3.62	0.55	0.02
>30≤60	0	0	3.62	0.00	0.00
>60	0	0	3.62	0.00	0.00

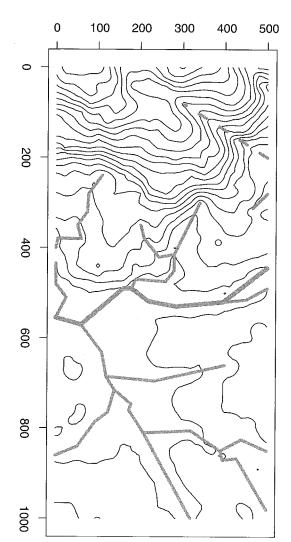
Beilschmiedia sp. "BEIS" LAURACEAE

BEIS. Small- to medium-sized tree to 60 cm dbh. Flowers probably bisexual, fruits probably animal-dispersed. *Taxonomic notes*: Very difficult genus, needs fertile material for confirmation by a specialist. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 475, Species rank = 108

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	175	3.5	3.5	36.84	0.13
>2≤3	75	1.5	5	15.79	0.11
>3≤4	45	0.9	5.9	9.47	0.12
>4≤5	21	0.42	6.32	4.42	0.09
>5≤10	113	2.26	8.58	23.79	0.28
>10≤20	38	0.76	9.34	8.00	0.26
>20≤30	3	0.06	9.4	0.63	0.06
>30≤60	5	0.1	9.5	1.05	0.14
>60	0	0	9.5	0.00	0.00





BEIH. Medium-sized tree to 25 m tall. Leaves pubescent on both surface. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

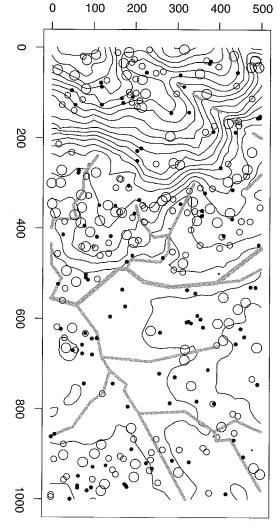
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	1	0.02	0.02	100.00	0.02
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Hypodaphnis zenkeri (Engl.) Stapf LAURACEAE

HYZE. Medium-sized tree, reaching a large diameter (to 100 cm dbh) but only c. 20 to 25 m tall. Flowers small, bisexual, fruit large, 6 cm long, avocado-like with a single large seed, animal-dispersed. Heartwood sometimes used as ornamental timber. *Taxonomic notes*: Monospecific genus. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Apparently common.

Stem count, total/50 ha = 299, Species rank = 129

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	45	0.9	0.9	15.05	0.03
>2≤3	22	0.44	1.34	7.36	0.03
>3≤4	20	0.4	1.74	6.69	0.05
>4≤5	20	0.4	2.14	6.69	0.09
>5≤10	39	0.78	2.92	13.04	0.10
>10≤20	40	0.8	3.72	13.38	0.27
>20≤30	32	0.64	4.36	10.70	0.60
>30≤60	73	1.46	5.82	24.41	2.02
>60	88	0.16	5.98	2.68	1.52



Crateranthus talbotii Bak.f. LECYTHIDACEAE

CRTA. Small tree to about 20 cm dbh, 10 m tall, often in swamps. Flowers large, bisexual, fruits animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: SE Nigeria, Cameroon, apparently narrow-endemic. *Conservation status*: Rare=2.

Stem count, total/50 ha = 18, Species rank = 338

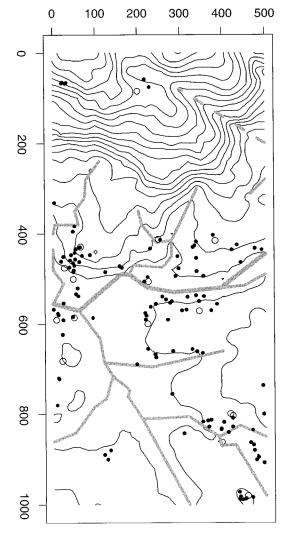
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	33.33	0.00
>2≤3	5	0.1	0.22	27.78	0.01
>3≤4	2	0.04	0.26	11.11	0.01
>4≤5	1	0.02	0.28	5.56	0.00
>5≤10	4	0.08	0.36	22.22	0.01
>10≤20	0	0	0.36	0.00	0.00
>20≤30	0	0	0.36	0.00	0.00
>30≤60	0	0	0.36	0.00	0.00
>60	0	0	0.36	0.00	0.00

Napoleonaea talbotii Bak.f.

NATA. Small tree, less than 10 cm dbh, c. 5 m tall with spreading crown. Flowers large, bisexual, cauliflorous on trunk and branches, fruits animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.

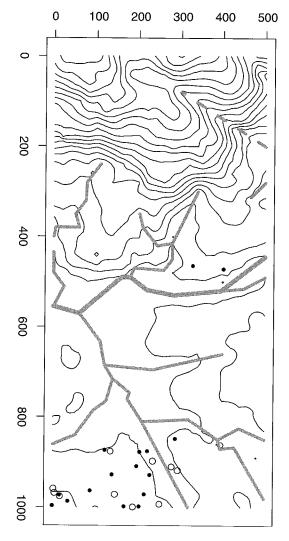
Stem count, total/50 ha = 134, Species rank = 194

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	35.07	0.03
>2≤3	28	0.56	1.5	20.90	0.04
>3≤4	29	0.58	2.08	21.64	0.08
>4≤5	15	0.3	2.38	11.19	0.06
>5≤10	15	0.3	2.68	11.19	0.04
>10≤20	0	0	2.68	0.00	0.00
>20≤30	0	0	2.68	0.00	0.00
>30≤60	0	0	2.68	0.00	0.00
>60	0	0	2.68	0. <u>00</u>	0.00



Napoleonaea vogelii Hook. & Planch.

NAPS. Small tree, to 10 cm dbh, 5 m tall with a spreading crown. Flowers bisexual on trunk and branches, fruits animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Forest of Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 26, Species rank = 315

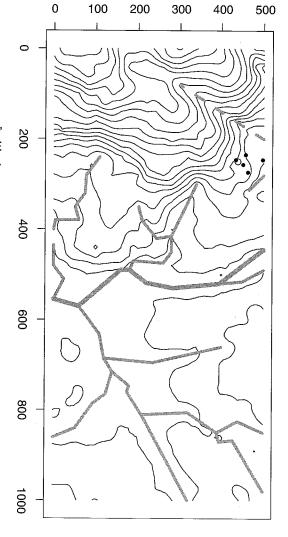
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	38.46	0.01
>2≤3	3	0.06	0.26	11.54	0.00
>3≤4	3	0.06	0.32	11.54	0.01
>4≤5	0	0	0.32	0.00	0.00
>5≤10	10	0.2	0.52	38.46	0.03
>10≤20	0	0	0.52	0.00	0.00
>20≤30	0	0	0.52	0.00	0.00
>30≤60	0	0	0.52	0.00	0.00
>60	0	0	0.52	0.00	0.00

Napoleonaea sp "NAK5" LECYTHIDACEAE

NAK5. Small tree, flowers bisexual, fruits animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

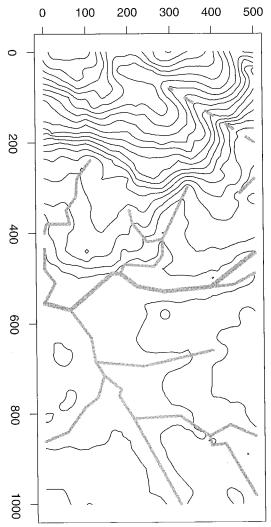
Stem count, total/50 ha = 6, Species rank = 407

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	50.00	0.00
>2≤3	1	0.02	0.08	16.67	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	1	0.02	0.1	16.67	0.00
>5≤10	0	0	0.1	0.00	0.00
>10≤20	1	0.02	0.12	16.67	0.01
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00



Albizia ferruginea (Guill. & Perr.) Benth. LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

ALFE. Large tree to 30 m tall, 1.0 m dbh, with a spreading, deciduous crown. Flowers bisexual, fruits flattened and membranous with several rather small flat seeds, wind dispersed. Wood sometimes exploited, fairly soft, density 0.5–0.7. *Taxonomic notes*: Can be identified sterile by the leaflets and scaly bark, but needs fertile material to confirm this determination. *Det. level*: F1,G1,S2. *Distribution*: Tropical Africa, dry forests. *Conservation status*: Common.



Stem count, total/50 ha = 1, Species rank = 462

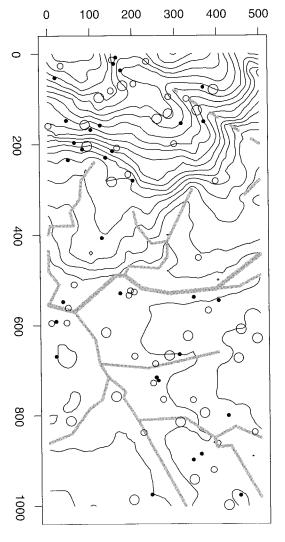
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	0	0	0	0.00	0.00
>60	1	0.02	0.02	100.00	0.19

Afzelia bella Harms var. bella LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

AFZI. Large tree to 100 cm dbh, 25-30 m tall. Flowers bisexual, fruits dehiscent, seeds large, arilate, probably dispersed by large birds such as hornbills. *Taxonomic notes*: Although the sterile vouchers fit this species, all flora treatments describe *A. bella* var. *bella*, - the variety found in Lower Guinea - as a small tree, and ours is large. Need to verify fertile material. *Det. level:* F1,G1,S2. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 82, Species rank = 230

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	16	0.32	0.32	19.51	0.01
>2≤3	6	0.12	0.44	7.32	0.01
>3≤4	5	0.1	0.54	6.10	0.01
>4≤5	4	0.08	0.62	4.88	0.02
>5≤10	16	0.32	0.94	19.51	0.04
>10≤20	7	0.14	1.08	8.54	0.05
>20≤30	6	0.12	1.2	7.32	0.11
>30≤60	18	0.36	1.56	21.95	0.50
>60	4	0.08	1.64	4.88	0.76



Afzelia bipindensis Harms LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

% by size

class

% of all

species by

AFBI. Large tree, to 1.8 m dbh, 35 m tall. Flowers bisexual, fruits large, thick pods, opening when ripe to expose, seeds with orange arils. Probably dispersed by large birds such as hornbills. Important timber species, wood heavy, dry density = 0.85-0.9,

trade name for Afzelia species: doussie. Det. level: F1,G1,S1. Distribution: Lower Guinea, Congo Basin. Conservation status: Common.

Stem count, total/50 ha = 3, Species rank = 431

Diameter Total no. No. trees Cumulative class (cm) trees in per ha tree count 50 ha per ha

0

200

400

600

800

100

200

300

400

500

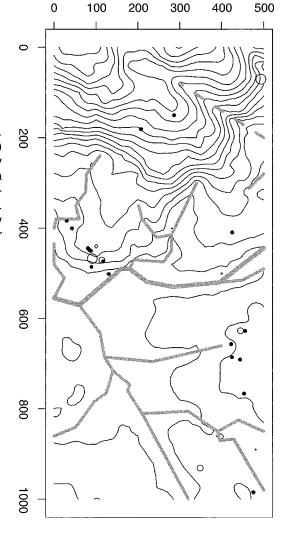
	50 ha		per ha		size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	1	0.02	0.02	33.33	0.01
>20≤30	0	0	0.02	0.00	0.00
>30≤60	1	0.02	0.04	33.33	0.03
>60	1	0.02	0.06	33.33	0.19

Amphimas ferrugineus Pierre ex Pellegr. LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

SAPS. Large tree to 1.5 m dbh, 40 m tall with a spreading crown, leaves briefly deciduous. Flowers bisexual and unisexual. Fruit a flattened, leaf-like pod containing a single (rarely 2) flattened, bean-shaped seed about 3 cm long, probably wind-dispersed. Sometimes exploited for timber, wood med-hard, dry density = 0.7-0.8. *Taxonomic notes*: Distinguished from *A. pterocarpoides* Harms by the rusty pubescence on the leaf undersurface. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Rare=3.

Stem count, total/50 ha = 22, Species rank = 323

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	50.00	0.01
>2≤3	3	0.06	0.28	13.64	0.00
>3≤4	2	0.04	0.32	9.09	0.01
>4≤5	1	0.02	0.34	4.55	0.00
>5≤10	2	0.04	0.38	9.09	0.01
>10≤20	1	0.02	0.4	4.55	0.01
>20≤30	0	0	0.4	0.00	0.00
>30≤60	1	0.02	0.42	4.55	0.03
>60	1	0.02	0.44	4.55	0.19



Angylocalyx oligophyllus (Bak.) Bak.f. LEGUMINOSAE (Fabaceae¹, Papilionaceae³)

ANTA. Treelet to 10 cm dbh, 3 m tall. Flowers bisexual in short cauliflorous racemes. Fruits about 10 cm long, fleshy and weakly torulose, yellow when ripe, animal-dispersed. Pulp edible, often harvested for poles. *Taxonomic notes: A. talbotii* Bak.f. ex Hutch. & Dalz., a narrow endemic from the Korup area, is very similar vegetatively, except for the more densely reticulate leaf veins and smaller flowers. *Det. level:* F1,G1,S1. *Distribution:* Upper and Lower Guinea. *Conservation status:* Common.

Stem count, total/50 ha = 5796, Species rank = 9

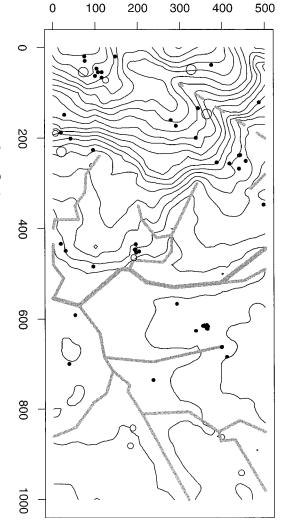
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3142	62.84	62.84	54.21	2.28
>2≤3	1350	27	89.84	23.29	2.04
>3≤4	693	13.86	103.7	11.96	1.85
>4≤5	339	6.78	110.48	5.85	1.46
>5≤10	270	5.4	115.88	4.66	0.68
>10≤20	2	0.04	115.92	0.03	0.01
>20≤30	0	0	115.92	0.00	0.00
>30≤60	0	0	115.92	0.00	0.00
>60	0	0	115.92	0.00	0.00

Angylocalyx pynaertii De Wild. LEGUMINOSAE (Fabaceae¹, Papilionaceae³)

FAB3. Medium-sized tree, to about 25 m tall, 90 cm dbh, common in drier forests. Flowers bisexual, fruits about 10 cm long, weakly torulose, animal-dispersed, pulp sweet, edible. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

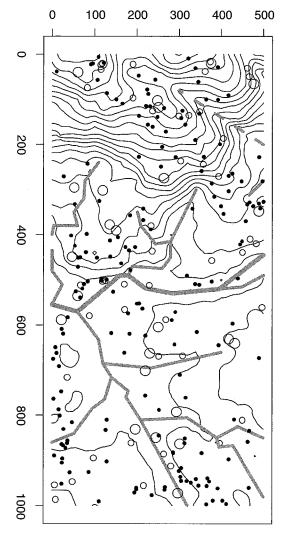
Stem count, total/50 ha = 57, Species rank = 262

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	32	0.64	0.64	56.14	0.02
>2≤3	5	0.1	0.74	8.77	0.01
>3≤4	7	0.14	0.88	12.28	0.02
>4≤5	3	0.06	0.94	5.26	0.01
>5≤10	5	0.1	1.04	8.77	0.01
>10≤20	1	0.02	1.06	1.75	0.01
>20≤30	0	0	1.06	0.00	0.00
>30≤60	4	0.08	1.14	7.02	0.11
>60	0	0	1.14	0.00	0.00



Anthonotha fragrans (Bak.f.) Exell & Hillc. LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

ANFR. Large tree to 1.3 m dbh, 35 m tall with a rather dense, compact crown, evergreen. Flowers bisexual. Fruits large, thick, indehiscent pods with 1-3 thick seeds, about 3-4 cm diameter, probably animal-dispersed. Timber sometimes exploited, wood is hard, density 0.7-0.8, trade name: *kibakoko. Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 247, Species rank = 145

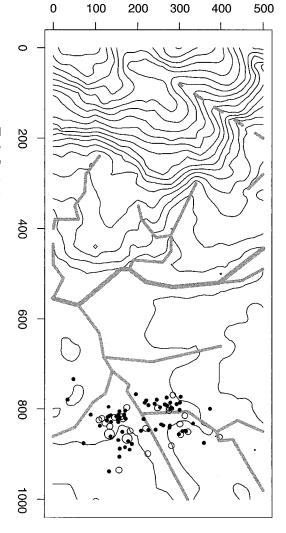
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	64	1.28	1.28	25.91	0.05
>2≤3	41	0.82	2.1	16.60	0.06
>3≤4	40	0.8	2.9	16.19	0.11
>4≤5	33	0.66	3.56	13.36	0.14
>5≤10	38	0.76	4.32	15.38	0.10
>10≤20	4	0.08	4.4	1.62	0.03
>20≤30	3	0.06	4.46	1.21	0.06
>30≤60	12	0.24	4.7	4.86	0.33
>60	12	0.24	4.94	4.86	2.27

Anthonotha lamprophylla (Harms) J.Léonard LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

ANLA. Small tree to about 30 cm dbh, 10 m tall. Flowers bisexual, cauliflorous on the trunk. Fruits long leathery pods that open and drop the large seeds to the ground, probably animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, SE Nigeria and Cameroon. *Conservation status*: Rare=2.

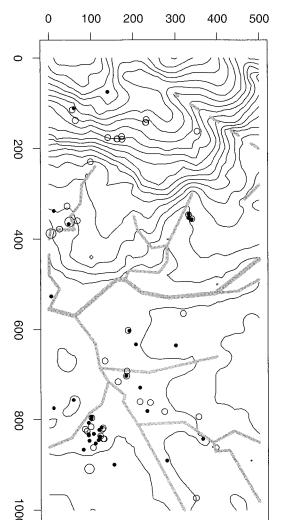
Stem count, total/50 ha = 89, Species rank = 2

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	13	0.26	0.26	14.61	0.01
>2≤3	33	0.66	0.92	37.08	0.05
>3≤4	16	0.32	1.24	17.98	0.04
>4≤5	4	0.08	1.32	4.49	0.02
>5≤10	13	0.26	1.58	14.61	0.03
>10≤20	7	0.14	1.72	7.87	0.05
>20≤30	1	0.02	1.74	1.12	0.02
>30≤60	2	0.04	1.78	2.25	0.06
>60	0	0	1.78	0.00	0.00



Anthonotha macrophylla P.Beauv. LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

ANMA. Small tree to about 40 cm dbh, seldom more than 10 m tall, usually with multiple trunks. Flowers bisexual, fruits leathery pendulous pods to 20 cm long, which split and drop the large seeds under the parent, probably animal-dispersed. Taxonomic notes: Variable, sometimes split into several species. Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.



Stem count,	total/50 ha	= 76	Spacias	rank = 1	240
Sterri Courit,	total/50 Ha	-10,	Species	Talle - A	24U

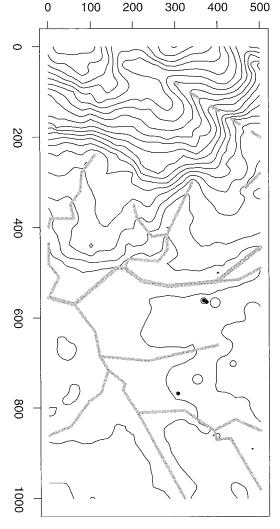
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	17	0.34	0.34	22.37	0.01
>2≤3	7	0.14	0.48	9.21	0.01
>3≤4	8	0.16	0.64	10.53	0.02
>4≤5	3	0.06	0.7	3.95	0.01
>5≤10	11	0.22	0.92	14.47	0.03
>10≤20	14	0.28	1.2	18.42	0.10
>20≤30	13	0.26	1.46	17.11	0.24
>30≤60	3	0.06	1.52	3.95	0.08
>60	0	0	1.52	0.00	0.00

Anthonotha sp. "ANTH" LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

ANTH. Large-sized tree, to 90 cm dbh, 35 m tall. Flowers bisexual, fruits large leathery pods that open and drop the large seeds, probably animal-dispersed. Taxonomic notes: This may be the species that Letouzey (1986) calls A. cladantha (Harms) J. Léonard. Det. level: F1,G1,S3. Distribution: Lower Guinea. Conservation status: Probably rare.

Stem count, total/50 ha = 7, Species rank = 396

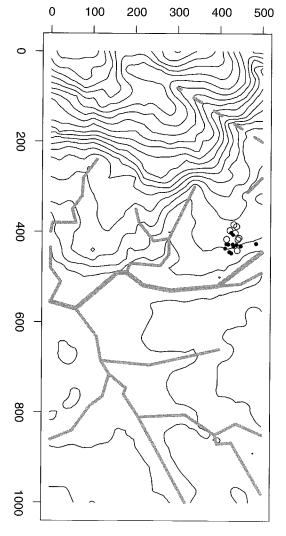
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	2	0.04	0.04	28.57	0.00
>3≤4	1	0.02	0.06	14.29	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	2	0.04	0.1	28.57	0.01
>10≤20	0	0	0.1	0.00	0.00
>20≤30	0	0	0.1	0.00	0.00
>30≤60	0	0	0.1	0.00	0.00
>60	2	0.04	0.14	28.57	0.38



Baikiaea insignis Benth.

LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

BAIN. Medium- to large-sized evergreen tree, to about 50 cm dbh, 25 m tall. Flowers bisexual, large and conspicuous, fruit a large pod, explosive dehiscence, ballistic dispersal, probably with secondary-dispersal by animals. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 20, Species rank = 328

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	10.00	0.00
>2≤3	5	0.1	0.14	25.00	0.01
>3≤4	3	0.06	0.2	15.00	0.01
>4≤5	2	0.04	0.24	10.00	0.01
>5≤10	6	0.12	0.36	30.00	0.02
>10≤20	2	0.04	0.4	10.00	0.01
>20≤30	0	0	0.4	0.00	0.00
>30≤60	0	0	0.4	0.00	0.00
>60	0	0	0.4	0.00	0.00

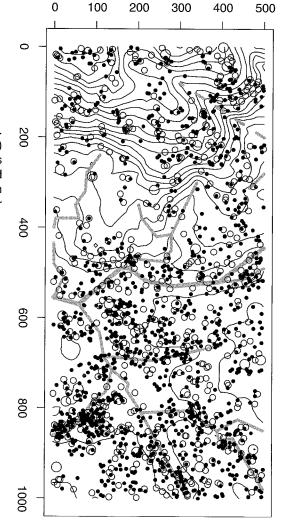
Baphia capparidifolia Bak.

LEGUMINOSAE (Fabaceae¹, Papilionaceae³)

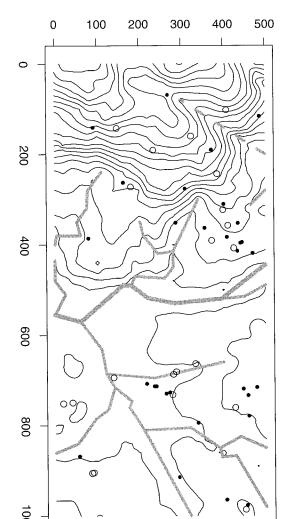
BAPI. Medium-sized tree, rarely over 50 cm dbh, 20 m tall. Flowers bisexual, pods explosively dehiscent, ballistic seed dispersal. *Baphia* wood is often used for poles and for carving. *Taxonomic notes*: May not be this species, which has not previously been reported from the area, needs to be verified. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 1767, Species rank = 42

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	595	11.9	11.9	33.67	0.43
>2≤3	296	5.92	17.82	16.75	0.45
>3≤4	191	3.82	21.64	10.81	0.51
>4≤5	140	2.8	24.44	7.92	0.60
>5≤10	275	5.5	29.94	15.56	0.69
>10≤20	147	2.94	32.88	8.32	1.00
>20≤30	85	1.7	34.58	4.81	1.59
>30≤60	37	0.74	35.32	2.09	1.02
>60	11	0.02	35.34	0.06	0.19



Baphia sp. "BAPS" LEGUMINOSAE (Fabaceae¹, Papilionaceae³)



BAPS. Small size tree to 15 m tall. Taxonomic notes: Separated from other species of Baphia on the basis of the small size of the leaves. Det. level: F1,G1,S3. Distribution: Not known.

Stem count, total/50 ha = 51, Species rank = 271

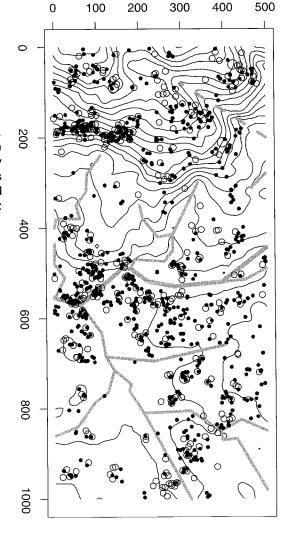
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	17	0.34	0.34	33.33	0.01
>2≤3	5	0.1	0.44	9.80	0.01
>3≤4	4	0.08	0.52	7.84	0.01
>4≤5	4	0.08	0.6	7.84	0.02
>5≤10	11	0.22	0.82	21.57	0.03
>10≤20	8	0.16	0.98	15.69	0.05
>20≤30	2	0.04	1.02	3.92	0.04
>30≤60	0	0	1.02	0.00	0.00
>60	0	0	1.02	0.00	0.00

Baphia laurifolia Baill. LEGUMINOSAE (Fabaceae¹, Papilionaceae³)

BAP2. Medium-sized tree, rarely over 40 cm dbh, 20 m tall, trunk base often very irregular with stilt-roots, buttresses and multiple trunks. Flowers bisexual, pods explosively dehiscent, ballistic seed dispersal. Baphia wood is often used for poles and for carving. Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.

Stem count, total/50 ha = 1066, Species rank = 62

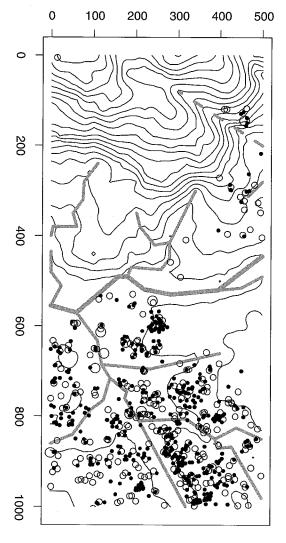
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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	312	6.24	6.24	29.27	0.23
>2≤3	190	3.8	10.04	17.82	0.29
>3≤4	133	2.66	12.7	12.48	0.35
>4≤5	101	2.02	14.72	9.47	0.43
>5≤10	206	4.12	18.84	19.32	0.52
>10≤20	102	2.04	20.88	9.57	0.69
>20≤30	18	0.36	21.24	1.69	0.34
>30≤60	4	0.08	21.32	0.38	0.11
>60	0	0	21.32	0.00	0.00



Berlinia auriculata Benth.

LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

BEAU. Medium-sized tree to 45 cm dbh, 20 m tall. Flowers bisexual, large and conspicuous, fruit a large pod, explosive dehiscence, ballistic dispersal, probably with secondary-dispersal by animals. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 726, Species rank = 81

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	212	4.24	4.24	29.20	0.15
>2≤3	120	2.4	6.64	16.53	0.18
>3≤4	75	1.5	8.14	10.33	0.20
>4≤5	52	1.04	9.18	7.16	0.22
>5≤10	110	2.2	11.38	15.15	0.28
>10≤20	116	2.32	13.7	15.98	0.79
>20≤30	32	0.64	14.34	4.41	0.60
>30≤60	9	0.18	14.52	1.24	0.25
>60	0	0	14.52	0.00	0.00

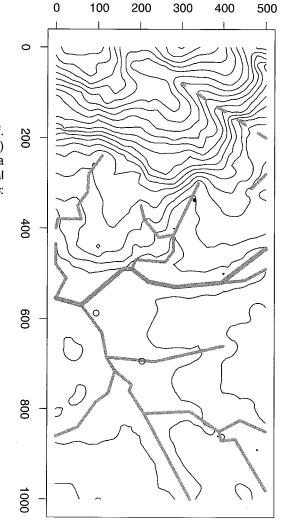
Berlinia craibiana Bak.f.

LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

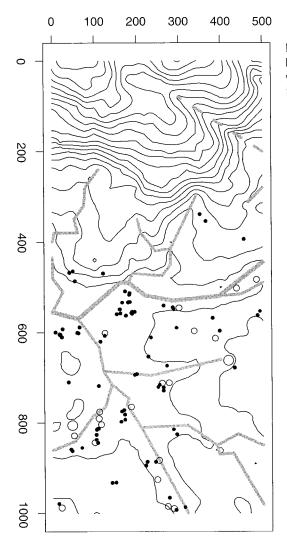
BECR. Small- to medium-sized tree. Flowers bisexual, large and conspicuous, fruit a large pod, explosive dehiscence, ballistic dispersal, probably with secondary-dispersal by animals. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 3, Species rank = 431

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	1	0.02	0.02	33.33	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	1	0.02	0.04	33.33	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	1	0.02	0.06	33.33	0.02
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



BEHO. Medium- to large-sized evergreen tree, to 80 cm dbh in the plot. Flowers bisexual, conspicuous, fruit a pod, explosive dehiscence, ballistic dispersal, probably with after-dispersal by animals. *Taxonomic notes*: Poorly-known species. *Det. level*: F1,G1,S2. *Distribution*: Narrow endemic. *Conservation status*: Rare=1.



Stem count, total/50 ha = 101, Species rank = 214

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	46	0.92	0.92	45.54	0.03
>2≤3	23	0.46	1.38	22.77	0.03
>3≤4	8	0.16	1.54	7.92	0.02
>4≤5	3	0.06	1.6	2.97	0.01
>5≤10	11	0.22	1.82	10.89	0.03
>10≤20	5	0.1	1.92	4.95	0.03
>20≤30	3	0.06	1.98	2.97	0.06
>30≤60	1	0.02	2	0.99	0.03
>60	1	0.02	2.02	0.99	0.19

Calpocalyx dinklagei Harms LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

CADI. Medium-sized tree to about 30 cm dbh, 20 m tall. Inflorescences terminal, flowers bisexual, fruits thick and very woody with a few largish seeds at the distal end, explosively dehiscent. *Det. level*: F1,G1,S1 *Distribution*: Lower Guinea endemic. *Conservation status*: Common.

Stem count, total/50 ha = 3066, Species rank = 29

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1208	24.16	24.16	39.40	0.88
>2≤3	696	13.92	38.08	22.70	1.05
>3≤4	400	8	46.08	13.05	1.07
>4≤5	197	3.94	50.02	6.43	0.85
>5≤10	333	6.66	56.68	10.86	0.84
>10≤20	186	3.72	60.4	6.07	1.26
>20≤30	45	0.9	61.3	1.47	0.84
>30≤60	1	0.02	61.32	0.03	0.03
>60	0	0	61.32	0.00	0.00

0 200 400 600 800 1000

200

100

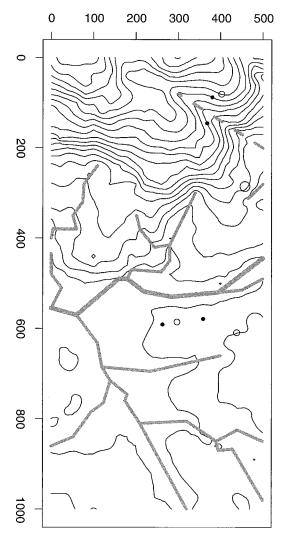
300

400

500

Copaifera mildbraedii Harms LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

CAE3. Large tree, to 1.2 m dbh, 40 m tall. Flowers bisexual, fruit a leather pod, opening to expose a single, arilate seed, animal-dispersed, probably by hornbills. Wood exploited, med. hard, density 0.7-0.85. Det. level: F1,G1,S1. Distribution: Lower Guinea and Congo Basin. Conservation status: Common in drier forests.



Stem count, total/50 ha = 8, Species rank = 384

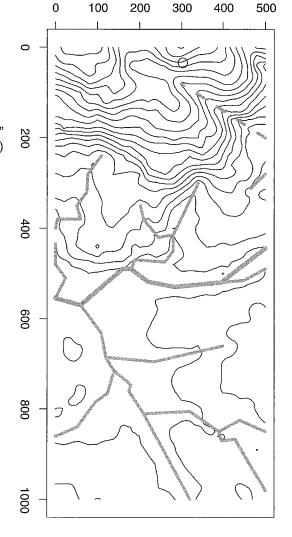
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	12.50	0.00
>3≤4	1	0.02	0.04	12.50	0.00
>4≤5	2	0.04	0.08	25.00	0.01
>5≤10	2	0.04	0.12	25.00	0.01
>10≤20	0	0	0.12	0.00	0.00
>20≤30	1	0.02	0.14	12.50	0.02
>30≤60	1	0.02	0.16	12.50	0.03
>60	0	0	0.16	0.00	0.00

Crudia sp. "CRUD" LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

CRUD. Large tree. Det. level: F1,G2,S3. Distribution: Not known.

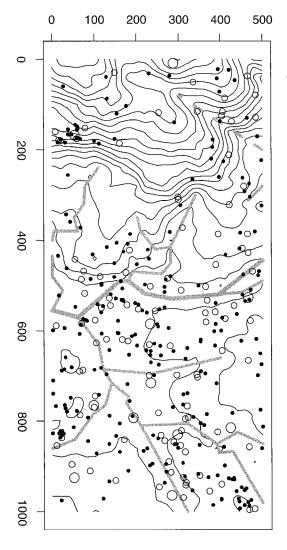
Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0 .	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	. 0	0	0	0.00	0.00
>30≤60	1	0.02	0.02	100.00	0.03
>60	0	0	0.02	0.00	0.00
-00	U		0.02	0.00	0.00



Dialium pachyphyllum Harms LEGUMINOSAE (Fabaceae , Caesalpiniaceae)

DIAL. Medium-sized tree to 60 cm dbh, 25 m tall, flowers bisexual. Fruits about 2 cm long, indehiscent, seeds surrounded by sweet pulp, animal-dispersed. Wood very hard, density 1.0-1.1, seldom used. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea. *Conservation status:* Common.



Stem count, total/50 ha = 352, Species rank = 123

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	121	2.42	2.42	34.38	0.09
>2≤3	65	1.3	3.72	18.47	0.10
>3≤4	32	0.64	4.36	9.09	0.09
>4≤5	20	0.4	4.76	5.68	0.09
>5≤10	43	0.86	5.62	12.22	0.11
>10≤20	31	0.62	6.24	8.81	0.21
>20≤30	29	0.58	6.82	8.24	0.54
>30≤60	11	0.22	7.04	3.13	0.30
>60	0	0	7.04	0.00	0.00

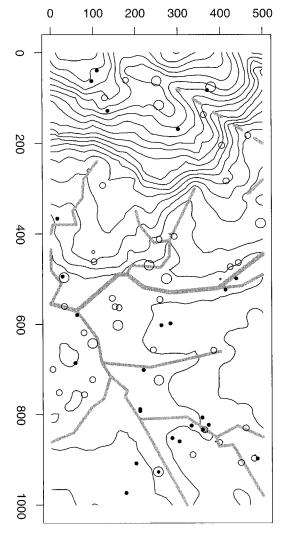
Dialium sp. "DIA3"

LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

DIA3. Medium-sized tree, flowers probably bisexual. Fruits probably indehiscent, seeds surrounded by sweet pulp, animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

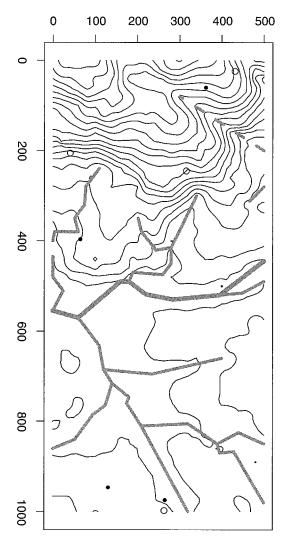
Stem count, total/50 ha = 66, Species rank = 252

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	18.18	0.01
>2≤3	7	0.14	0.38	10.61	0.01
>3≤4	6	0.12	0.5	9.09	0.02
>4≤5	1	0.02	0.52	1.52	0.00
>5≤10	4	0.08	0.6	6.06	0.01
>10≤20	15	0.3	0.9	22.73	0.10
>20≤30	10	0.2	1.1	15.15	0.19
>30≤60	11	0.22	1.32	16.67	0.30
>60	0	0	1.32	0.00	0.00



Erythrina sp. "ERAD" LEGUMINOSAE (Fabaceae¹, Papilionaceae³)

ERAD. Medium-sized tree, probably deciduous. Flowers probably bisexual, fruits woody torilose pods, splitting to expose red bird-dispersed seeds. Det. level: F1,G1,S3. Distribution: Not known.



Stem count, total/50 ha = 8, Species rank = 384

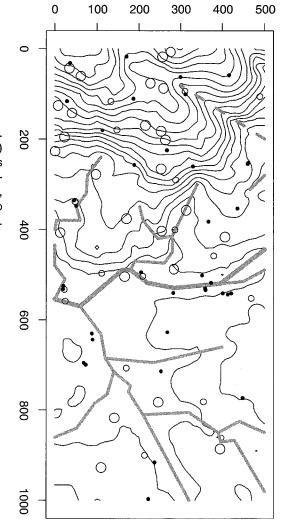
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	25.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	2	0.04	0.08	25.00	0.01
>4≤5	0	0	0.08	0.00	0.00
>5≤10	2	0.04	0.12	25.00	0.01
>10≤20	0	0	0.12	0.00	0.00
>20≤30	2	0.04	0.16	25.00	0.04
>30≤60	0	0	0.16	0.00	0.00
>60	0	0	0.16	0.00	0.00

Erythrophleum ivorense A.Chev. LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

ERIV. Large tree with large spreading crown, 35 m tall, 2 m dbh. Flowers bisexual, pods about 8 cm long with thin woody valves, splitting to expose the seeds, possibly animaldispersed. Often exploited for the heavy timber (dry density 0.8-1.0), trade name: tali, bark used as poison. Taxonomic notes: Distinguished from E. suaveolens, which also occurs in Korup, by the smaller pods and glabrous leaflets. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

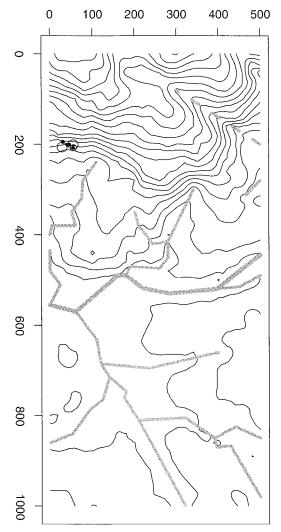
Stem count, total/50 ha = 79, Species rank = 232

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	17	0.34	0.34	21.52	0.01
>2≤3	9	0.18	0.52	11.39	0.01
>3≤4	8	0.16	0.68	10.13	0.02
>4≤5	3	0.06	0.74	3.80	0.01
>5≤10	7	0.14	0.88	8.86	0.02
>10≤20	6	0.12	1	7.59	0.04
>20≤30	3	0.06	1.06	3.80	0.06
>30≤60	1	0.02	1.08	1.27	0.03
>60	25	0.5	1.58	31.65	4.73



Eurypetalum unijugum Harms LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

EUUN. Small tree, usually with a main trunk and numerous smaller trunks or basal branches, to about 50 cm dbh but only 10 -15 m tall. Flower bisexual, pods thin, up to about 10 cm long, explosively dehiscent. Det. level: F1,G1,S1. Distribution: Lower Guinea endemic. Conservation status: Common.



Stem count, total/50 ha = 7, Species rank = 396

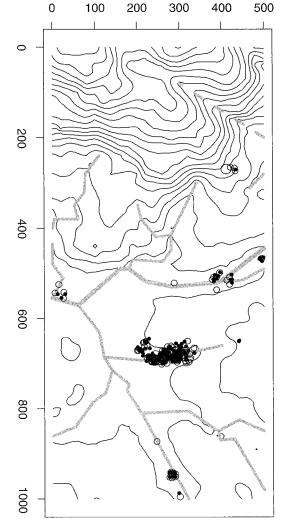
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	42.86	0.00
>2≤3	1	0.02	0.08	14.29	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	1	0.02	0.1	14.29	0.02
>30≤60	2	0.04	0.14	28.57	0.06
>60	0	0	0.14	0.00	0.00

Gilbertiodendron demonstrans (Baill.) J.Léonard LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

GIDE. Medium-sized tree with dense spreading crown, usually around swamps. Flowers bisexual, pods large, explosively dehiscent, ballistic dispersal of large seeds. Det. level: F1,G1,S1. Distribution: Lower Guinea endemic. Conservation status: Rare=3.

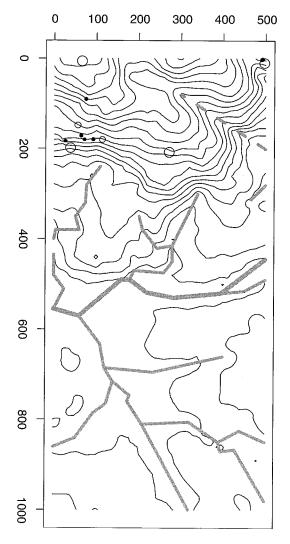
Stem count, total/50 ha = 288, Species rank = 132

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	88	1.76	1.76	30.56	0.06
>2≤3	59	1.18	2.94	20.49	0.09
>3≤4	34	0.68	3.62	11.81	0.09
>4≤5	20	0.4	4.02	6.94	0.09
>5≤10	35	0.7	4.72	12.15	0.09
>10≤20	32	0.64	5.36	11.11	0.22
>20≤30	16	0.32	5.68	5.56	0.30
>30≤60	4	0.08	5.76	1.39	0.11
>60	0	0	5.76	0.00	0.00



Hylodendron gabunense Taub. LEGUMINOSAE (Fabaceae 1, Caesalpiniaceae 3)

HYGA. Large tree, to 90 cm dbh, 30 m tall, trunk often twisted, with spines, crown deciduous. Flowers bisexual, fruits wing-like, wind-dispersed. Wood heavy, dry density = 0.9, seldom used. Det. level: F1,G1,S1. Distribution: Lower Guinea, Congo Basin. Conservation status: Common in drier forests.



Stem count, total/50 ha = 13, Species rank = 358

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	46.15	0.00
>2≤3	1	0.02	0.14	7.69	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	2	0.04	0.18	15.38	0.01
>10≤20	0	0	0.18	0.00	0.00
>20≤30	0	0	0.18	0.00	0.00
>30≤60	2	0.04	0.22	15.38	0.06
>60	2	0.04	0.26	15.38	0.38

0

100

200

300

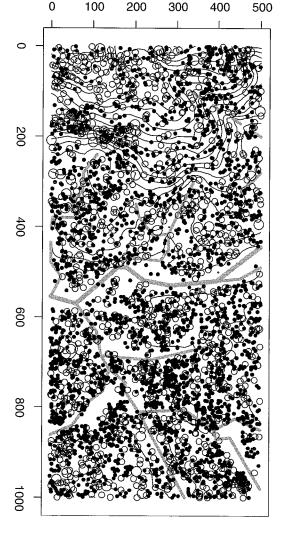
400

Hymenostegia afzelii (Oliv.) Harms LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

HYAF. Medium-sized tree, to 50 cm dbh, 20 m tall. Flowers bisexual, pods about 8 cm long, thin, woody, explosively dehiscent. Det. level: F1,G1,S1. Distribution: Upper Guinea and Cameroon. Conservation status: Common.

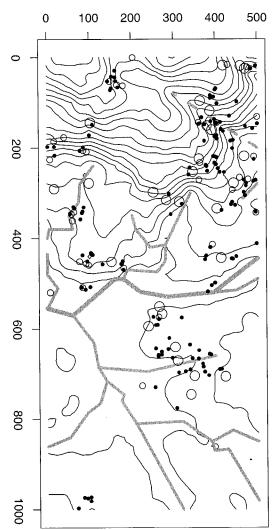
Stem count, total/50 ha = 4025, Species rank = 17

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1772	35.44	35.44	44.02	1.28
>2≤3	589	11.78	47.22	14.63	0.89
>3≤4	301	6.02	53.24	7.48	0.80
>4≤5	184	3.68	56.92	4.57	0.79
>5≤10	493	9.86	66.78	12.25	1.24
>10≤20	411	8.22	75	10.21	2.79
>20≤30	194	3.88	78.88	4.82	3.63
>30≤60	81	1.62	80.5	2.01	2.24
>60	0	0	80. <u>5</u>	0.00	0.00



Hymenostegia bakeriana Hutch. & Dalz. LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

HYBA. Medium- to large-sized tree, to 80 cm dbh, 25 m tall. Flowers bisexual, pods explosively dehiscent, ballistic-dispersal. *Taxonomic notes*: A well-defined species, though known from only a few collections. *Det. level*: F1,G1,S1. *Distribution*: Narrowly endemic to SE Nigeria and Korup area *Conservation status*: Rare=1.



Stem count, total/50 ha = 203, Species rank = 156

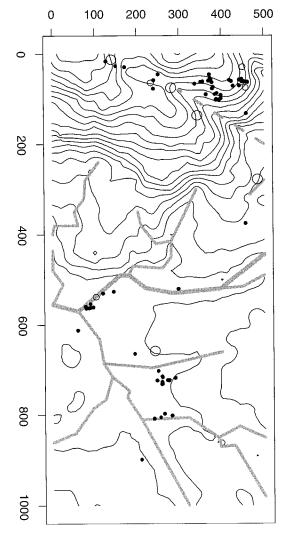
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	74	1.48	1.48	36.45	0.05
>2≤3	39	0.78	2.26	19.21	0.06
>3≤4	23	0.46	2.72	11.33	0.06
>4≤5	6	0.12	2.84	2.96	0.03
>5≤10	16	0.32	3.16	7.88	0.04
>10≤20	13	0.26	3.42	6.40	0.09
>20≤30	4	0.08	3.5	1.97	0.07
>30≤60	23	0.46	3.96	11.33	0.64
>60	5	0.1	4.06	2.46	0.95

Newtonia duparquetiana (Baill.) Keay LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

NEDU. Medium- to large-sized evergreen tree to 100 cm dbh, 30 m tall. Flowers bisexual, pods about 15-20 cm long, thin, dehiscent, releasing flat, winged, wind-dispersed seeds. Wood fairly soft, density 0.6-0.7, seldom used. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

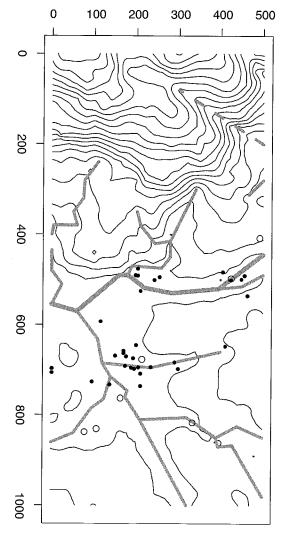
Stem count, total/50 ha = 78, Species rank = 236

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	51	1.02	1.02	65.38	0.04
>2≤3	12	0.24	1.26	15.38	0.02
>3≤4	4	0.08	1.34	5.13	0.01
>4≤5	1	0.02	1.36	1.28	0.00
>5≤10	2	0.04	1.4	2.56	0.01
>10≤20	2	0.04	1.44	2.56	0.01
>20≤30	1	0.02	1.46	1.28	0.02
>30≤60	3	0.06	1.52	3.85	0.08
>60	2	0.04	1.56	2.56	0.38



Newtonia griffoniana (Baill.) Bak.f. LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

NEWI. Large evergreen tree, to 30 m tall, 100 cm diameter above the buttresses. Flowers bisexual, pods flat, thin, 15-25 cm long, splitting to release the flat, winged, wind-dispersed seeds. Timber exploited, trade name nom atui, wood fairly soft, density 0.55-0.7. Det. level: F1,G1,S1. Distribution: Lower Guinea and Congo Basin. Conservation status: Common.



Stem count, total/50 ha = 39, Species rank = 290

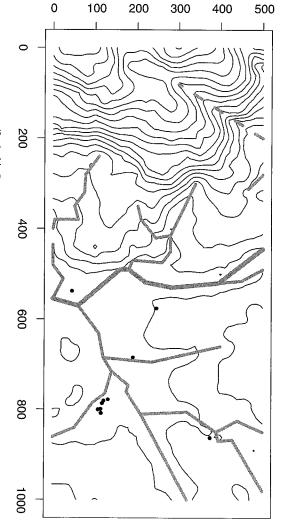
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	20	0.4	0.4	51.28	0.01
>2≤3	8	0.16	0.56	20.51	0.01
>3≤4	4	0.08	0.64	10.26	0.01
>4≤5	0	0	0.64	0.00	0.00
>5≤10	5	0.1	0.74	12.82	0.01
>10≤20	2	0.04	0.78	5.13	0.01
>20≤30	0	0	0.78	0.00	0.00
>30≤60	0	0	0.78	0.00	0.00
>60	0	0	0.78	0.00	0.00

Ormocarpum megalophyllum Harms LEGUMINOSAE (Fabaceae 1, Papilionaceae 3)

ORMO. Small shrubby tree or treelet to about 2.0 m tall. Flowers bisexual, fruits about 9 cm long, torilose, bristly, breaking into 1-seeded portions c. 1 cm long. Seeds may be dispersed on animal fur. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

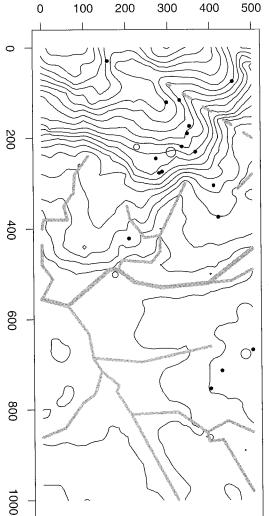
Stem count, total/50 ha = 10, Species rank = 373

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	100.00	0.01
>2≤3	0	0	0.2	0.00	0.00
>3≤4	0	0	0.2	0.00	0.00
>4≤5	0	0	0.2	0.00	0.00
>5≤10	0	0	0.2	0.00	0.00
>10≤20	0	0	0.2	0.00	0.00
>20≤30	0	0	0.2	0.00	0.00
>30≤60	0 .	0	0.2	0.00	0.00
>60	0	0	0.2	0.00	0.00



Piptadeniastrum africanum (Hook.f.) Brenan LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

PIAF. Large, briefly deciduous tree, to 45 m tall, 2.0 m diameter above the large buttresses, often in drier or disturbed forests. Flowers bisexual, pods flat, thin, 20-30 cm long, splitting to release the flat, winged, wind-dispersed seeds. Timber exploited, trade name *dabema*, wood fairly hard, density 0.65-0.8, bark toxic, used as a poison. *Taxonomic notes*: When vegetative, this species is very difficult to distinguish from a *Newtonia* species (*leucocarpa*?) also in Korup. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 21, Species rank = 324

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	57.14	0.01
>2≤3	2	0.04	0.28	9.52	0.00
>3≤4	2	0.04	0.32	9.52	0.01
>4≤5	1	0.02	0.34	4.76	0.00
>5≤10	0	0	0.34	0.00	0.00
>10≤20	2	0.04	0.38	9.52	0.01
>20≤30	0	0	0.38	0.00	0.00
>30≤60	0	0	0.38	0.00	0.00
>60	2	0.04	0.42	9.52	0.38

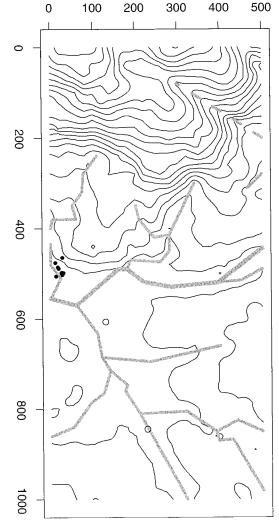
Pterocarpus soyauxii Taub.

LEGUMINOSAE (Fabaceae¹, Papilionaceae³) DIA4. Large, briefly deciduous tree, to 35 m tall, 1.5 m dbh, with buttresses. Flowers bisexual, fruits single-seeded, round and flat, wind-dispersed. The red wood has many ornamental and local uses, also used as a dye, fairly hard, density 0.65-0.85. Trade

name padouk. Det. level: F1,G1,S1. Distribution: Lower Guinea. Conservation status: Common.

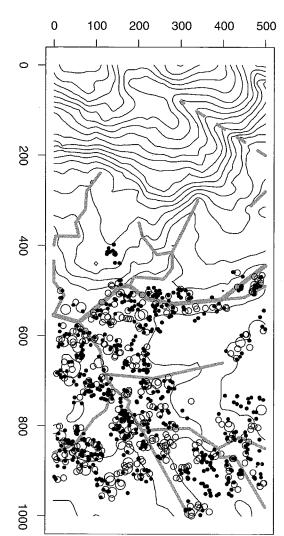
Stem count, total/50 ha = 18, Species rank = 338

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	66.67	0.01
>2≤3	4	0.08	0.32	22.22	0.01
>3≤4	0	0	0.32	0.00	0.00
>4≤5	0	0	0.32	0.00	0.00
>5≤10	2	0.04	0.36	11.11	0.01
>10≤20	0	0	0.36	0.00	0.00
>20≤30	0	0	0.36	0.00	0.00
>30≤60	0	0	0.36	0.00	0.00
>60	0	0	0.36	0.00	0.00



Talbotiella eketensis Bak.f.

LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)



TAEK. Medium-sized tree, to 60 cm dbh, 20 m tall, usually near swamps. Flowers bisexual, pods explosively dehiscent, ballistic dispersal. *Det. level*: F1,G1,S1. *Distribution*: SE Nigeria and Cameroon, common near swamps. *Conservation status*: Rare=2.

Stem count, total/50 ha = 922, Species rank = 68

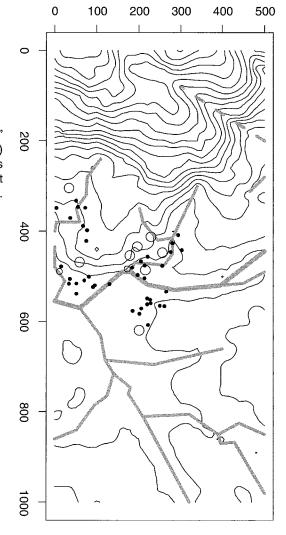
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	325	6.5	6.5	35.25	0.24
>2≤3	136	2.72	9.22	14.75	0.21
>3≤4	83	1.66	10.88	9.00	0.22
>4≤5	52	1.04	11.92	5.64	0.22
>5≤10	133	2.66	14.58	14.43	0.33
>10≤20	88	1.76	16.34	9.54	0.60
>20≤30	64	1.28	17.62	6.94	1.20
>30≤60	41	0.82	18.44	4.45	1.13
>60	0	0	18.44	0.00	0.00

Hymenostegia sp. "CAE2" LEGUMINOSAE (Fabaceae¹, Caesalpiniaceae³)

CAE2. Large evergreen tree, to 35 m tall, 1.5 m dbh. Flowers bisexual, fruits explosively dehiscent, ballistic dispersal. *Taxonomic notes*: Fertile material not matched, may be a new species. *Det. level*: F1,G1,S3. *Distribution*: Not known. *Conservation status*: If new, rare=1.

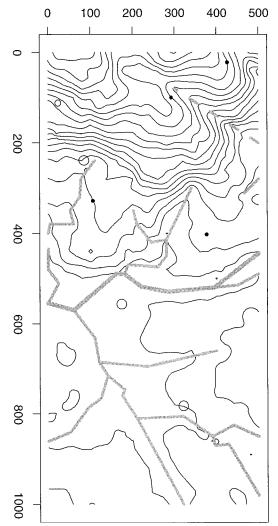
Stem count, total/50 ha = 51, Species rank = 271

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	29	0.58	0.58	56.86	0.02
>2≤3	8	0.16	0.74	15.69	0.01
>3≤4	3	0.06	0.8	5.88	0.01
>4≤5	1	0.02	0.82	1.96	0.00
>5≤10	1	0.02	0.84	1.96	0.00
>10≤20	0	0	0.84	0.00	0.00
>20≤30	1	0.02	0.86	1.96	0.02
>30≤60	4	0.08	0.94	7.84	0.11
>60	4	0.08	1.02	7.84	0.76



Tetrapleura tetraptera (Schum. & Thonn.) Taub. LEGUMINOSAE (Fabaceae¹, Mimosaceae³)

TETE. Large tree, briefly deciduous, to 30 m tall, 100 cm dbh, common in drier forests. Flowers bisexual, fruits thick, leathery, 4-winged, animal-dispersed, probably by elephants. Timber exploited, wood rather soft, density 0.6, bark poisonous, fruits used as a soup flavoring. *Det. level:* F1,G1,S1. *Distribution:* Widespread. *Conservation status:* Common.



Stem count, total/50 ha = 8, Species rank = 384

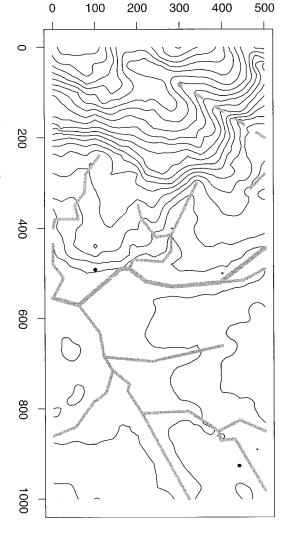
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	50.00	0.00
>2≤3	0	0	0.08	0.00	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	1	0.02	0.1	12.50	0.01
>20≤30	0	0	0.1	0.00	0.00
>30≤60	1	0.02	0.12	12.50	0.03
>60	2	0.04	0.16	25.00	0.38

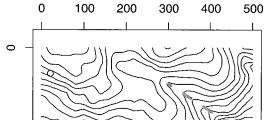
Leguminosae "FATD" LEGUMINOSAE

FATD. Treelet to 4.0 m tall, leaves pinnately compound, leaflets elliptic, alternate, clustered, with pellucid dots. *Taxonomic notes*: Probably saplings from a larger tree. No matching specimens in the Leguminosae specimens at YA. *Det. level*: F2,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	1	0.02	0.04	50.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00





200

400

600

1000

LEG2. Tree, 15 cm dbh. Det. level: F2,G3,S3. Distribution: Not known.



Stem count, total/50 ha = 1, Species rank = 462

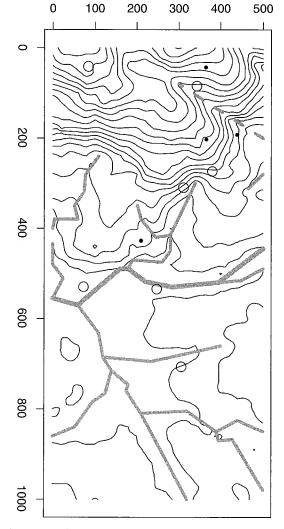
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	1	0.02	0.02	100.00	0.01
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

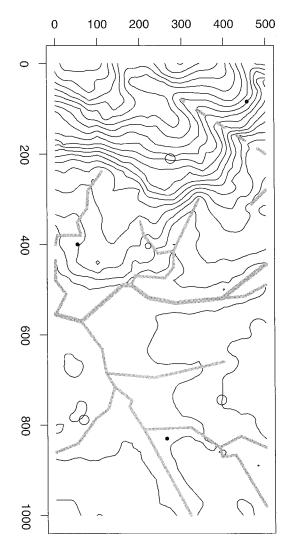
Lepidobotrys staudtii Engl. LEPIDOBOTRYACEAE

PAPI. Medium-sized tree, to about 25 m tall with large trunk, to 100 cm dbh, and a dense crown. Leaves distinctive, with very finely reticulate veins and an articulated petiole. Flowers bisexual, small in axillary clusters, fruits ellipsoid, beaked, 2.5 cm long, dehiscent, seed solitary with a red aril, animal-dispersed. *Taxonomic notes*: Only species/genus in the family, related to Oxalidaceae. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, also in Sudan. *Conservation status*: Common.

Stem count, total/50 ha = 11, Species rank = 366

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	18.18	0.00
>2≤3	2	0.04	0.08	18.18	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	5	0.1	0.18	45.45	0.14
>60	2	0.04	0.22	18.18	0.38





STCO. Medium-sized tree to 60 cm dbh. Flowers probably bisexual, fruits animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 7, Species rank = 396

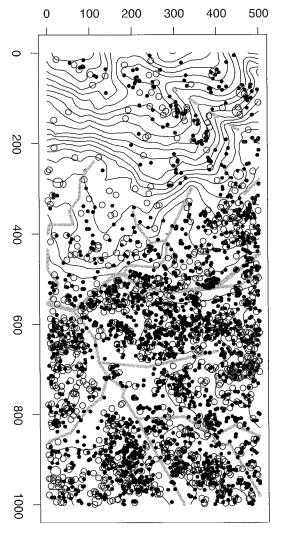
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	14.29	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	2	0.04	0.06	28.57	0.01
>5≤10	0	0	0.06	0.00	0.00
>10≤20	1	0.02	0.08	14.29	0.01
>20≤30	0	0	0.08	0.00	0.00
>30≤60	3	0.06	0.14	42.86	0.08
>60	0	0	0.14	0.00	0.00

Soyauxia talbotii Bak.f. MEDUSANDRACEAE

SOTA. Medium-sized tree with very hard wood, seldom more than 40 cm dbh, 20 m tall. Flowers bisexual, fruit green or purplish, splitting open by three valves to expose a single white seed, probably animal-dispersed. *Taxonomic notes*: This species is very close to, and probably synonymous with, *S. gabonensis* Oliv., (an older name), differing only in the extent of the pubescence on the sepals *Det. level*: F1,G1,S1. *Distribution*: *S. talbotii* is a narrow endemic. *Conservation status*: Rare=1, however, *S. gabonensis* is more widespread in Lower Guinea, appears to be fairly common.

Stem count, total/50 ha = 3182, Species rank = 28

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1165	23.3	23.3	36.61	0.84
>2≤3	503	10.06	33.36	15.81	0.76
>3≤4	288	5.76	39.12	9.05	0.77
>4≤5	216	4.32	43.44	6.79	0.93
>5≤10	519	10.38	53.82	16.31	1.30
>10≤20	356	7.12	60.94	11.19	2.42
>20≤30	114	2.28	63.22	3.58	2.14
>30≤60	21	0.42	63.64	0.66	0.58
>60	0	0	63.64	0.00	0.00

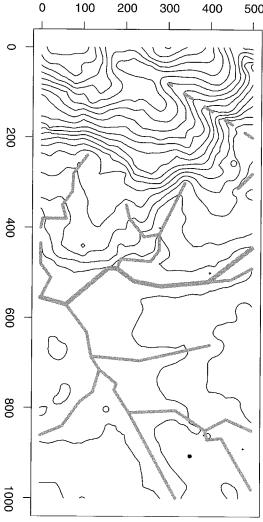


200 300 400 500

Dichaetanthera africana (Hook.f.) Jacq.-Fél.

MELASTOMATACEAE

DIAF. Small tree, to about 20 cm dbh, 10 m tall, common in secondary forest. Flowers bisexual, fruits about 1 cm long with numerous small seeds, with long papillae, animaldispersed. Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.



Stem count, total/50 ha = 3, Species rank = 431

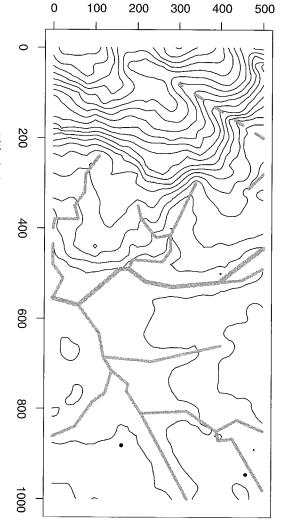
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	33.33	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	1	0.02	0.04	33.33	0.00
>10≤20	1	0.02	0.06	33.33	0.01
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00

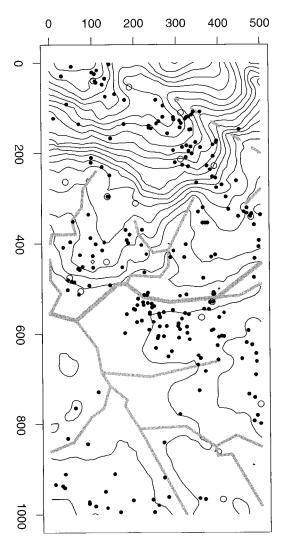
Dinophora spenneroides Benth. **MELASTOMATACEAE**

DINO. Shrubby treelet to about 2 m tall, common in secondary scrub, flowers bisexual, fruits about 1.5 cm with numerous small seeds, animal-dispersed. Det. level: F1,G1,S1. Distribution: Widespread. Conservation status: Common.

Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	100.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	. 0	0	0.04	0.00	0.00
>5≤10	0	0 -	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	. 0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00





MEM4. Treelet, to about 7 cm dbh, 3 m tall. Flowers bisexual, fruits about 1.5 cm long, single-seeded, drupe-like, seeds animal-dispersed. *Taxonomic notes*: Our tree has not yet been identified to variety, of which three are listed in FC vol. 24. The var. *afzelii* is common, but var. *mamfeanum* Jacq.-Fél. (known only from the Korup area) and the var. *pedunculatum* Jacq.-Fél. are both rare. *Det. level*: F1,G1,S1,V3. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 247, Species rank = 145

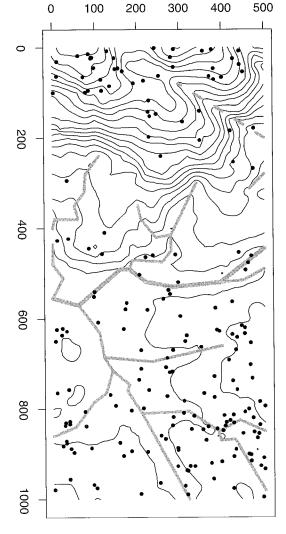
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	117	2.34	2.34	47.37	0.08
>2≤3	60	1.2	3.54	24.29	0.09
>3≤4	36	0.72	4.26	14.57	0.10
>4≤5	18	0.36	4.62	7.29	0.08
>5≤10	16	0.32	4.94	6.48	0.04
>10≤20	0	0	4.94	0.00	0.00
>20≤30	0	0	4.94	0.00	0.00
>30≤60	0	0	4.94	0.00	0.00
>60	0	0	4.94	0.00	0.00

Memecylon englerianum cogn. MELASTOMATACEAE

MEML. Treelet, less than 5 cm dbh, 3 m tall. Flowers bisexual, fruits 1.3 cm long, single-seeded, drupe-like, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Upper Guinea and Cameroon. *Conservation status*: Common.

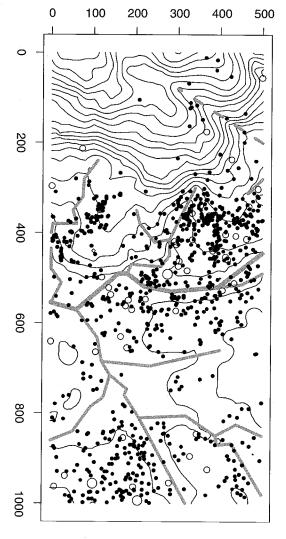
Stem count, total/50 ha = 193, Species rank = 163

			•		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	126	2.52	2.52	65.28	0.09
>2≤3	50	1	3.52	25.91	0.08
>3≤4	15	0.3	3.82	7.77	0.04
>4≤5	2	0.04	3.86	1.04	0.01
>5≤10	0	0	3.86	0.00	0.00
>10≤20	0	0	3.86	0.00	0.00
>20≤30	0	0	3.86	0.00	0.00
>30≤60	0	0	3.86	0.00	0.00
>60	0	0	3.86	0.00	0.00



Memecylon lateriflorum (G.Don) Brem. MELASTOMATACEAE

MEMT3. Small- to medium-sized tree, seldom over 40 cm dbh. Flowers bisexual, fruits single-seeded, drupe-like, animal-dispersed. *Taxonomic notes*: Probably a closely-related species, since this one is not known to occur in Lower Guinea *Det. level*: F1,G1,S2. *Distribution*: Upper Guinea.



Stem count, total/50 ha = 889, Species rank = 69

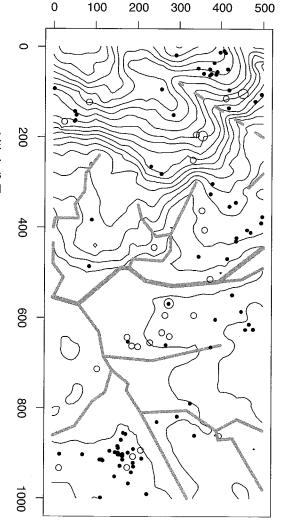
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	641	12.82	12.82	72.10	0.46
>2≤3	127	2.54	15.36	14.29	0.19
>3≤4	43	0.86	16.22	4.84	0.11
>4≤5	26	0.52	16.74	2.92	0.11
>5≤10	35	0.7	17.44	3.94	0.09
>10≤20	13	0.26	17.7	1.46	0.09
>20≤30	1	0.02	17.72	0.11	0.02
>30≤60	3	0.06	17.78	0.34	0.08
>60	0	0	17.78	0.00	0.00

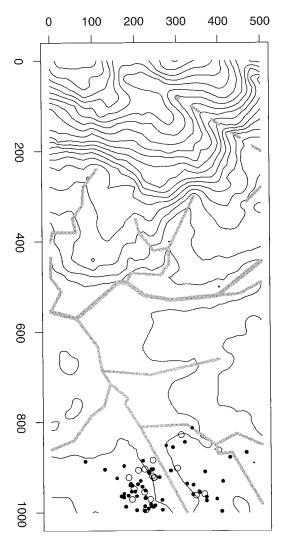
Memecylon laurentii De Wild. MELASTOMATACEAE

MEMT. Medium-sized tree to 50 cm dbh. Flowers bisexual, fruits single-seeded, drupe-like, animal-dispersed. *Taxonomic notes*: Probably a closely-related species, since this one does not occur this far west. *Det. level*: F1,G1,S2. *Distribution*: SE Cameroon and Gabon.

Stem count, total/50 ha = 109, Species rank = 209

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	43.12	0.03
>2≤3	24	0.48	1.42	22.02	0.04
>3≤4	7	0.14	1.56	6.42	0.02
>4≤5	6	0.12	1.68	5.50	0.03
>5≤10	13	0.26	1.94	11.93	0.03
>10≤20	6	0.12	2.06	5.50	0.04
>20≤30	3	0.06	2.12	2.75	0.06
>30≤60	3	0.06	2.18	2.75	0.08
>60	0	0	2.18	0.00	0.00





WMEM. Treelet or small tree to about 10 cm dbh. Flowers probably bisexual, fruits single-seeded, drupe-like, animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 74, Species rank = 245

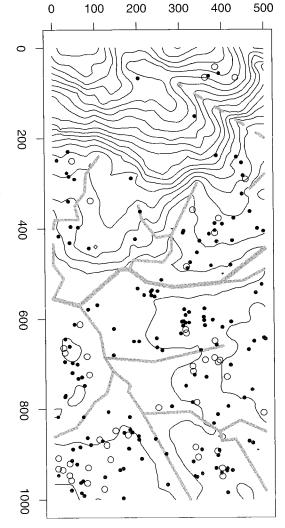
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	33	0.66	0.66	44.59	0.02
>2≤3	10	0.2	0.86	13.51	0.02
>3≤4	9	0.18	1.04	12.16	0.02
>4≤5	6	0.12	1.16	8.11	0.03
>5≤10	15	0.3	1.46	20.27	0.04
>10≤20	1	0.02	1.48	1.35	0.01
>20≤30	0	0	1.48	0.00	0.00
>30≤60	0	0	1.48	0.00	0.00
>60	0	0	1.48	0.00	0.00

Warneckea jasminoides (Gilg) Jacq.-Fél. MELASTOMATACEAE

WAR2. Small- to medium-sized tree, to about 30 cm dbh. Flowers bisexual, fruits single-seeded, drupe-like, animal-dispersed. *Taxonomic notes*: This species is not known to occur west of the Congo Basin, so this is probably a closely-related species such as *W. cinnamomoides* (G.Don) Jacq.-Fél., needs confirmation. *Det. level*: F1,G1,S2. *Distribution*: Congo Basin, East Africa. *Conservation status*: Common.

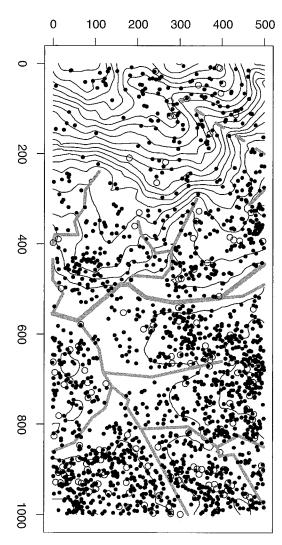
Stem count, total/50 ha = 199, Species rank = 157

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	83	1.66	1.66	41.71	0.06
>2≤3	42	0.84	2.5	21.11	0.06
>3≤4	16	0.32	2.82	8.04	0.04
>4≤5	11	0.22	3.04	5.53	0.05
>5≤10	29	0.58	3.62	14.57	0.07
>10≤20	14	0.28	3.9	7.04	0.10
>20≤30	4	0.08	3.98	2.01	0.07
>30≤60	0	0	3.98	0.00	0.00
>60	0	0	3.98	0.00	0.00



Warneckea membranifolia (Hook.f.) Jacq.-Fél. MELASTOMATACEAE

WAME. Small tree, to 10 cm dbh, 3 m tall, crown dense and spreading. Flowers bisexual, fruits single-seeded, about 1.5 cm long, drupe-like, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 1857, Species rank = 40

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	933	18.66	18.66	50.24	0.68
>2≤3	420	8.4	27.06	22.62	0.63
>3≤4	238	4.76	31.82	12.82	0.63
>4≤5	115	2.3	34.12	6.19	0.50
>5≤10	149	2.98	37.1	8.02	0.37
>10≤20	2	0.04	37.14	0.11	0.01
>20≤30	0	0	37.14	0.00	0.00
>30≤60	0	0	37.14	0.00	0.00
>60	0	0	37.14	0.00	0.00

0

100

200

300

400

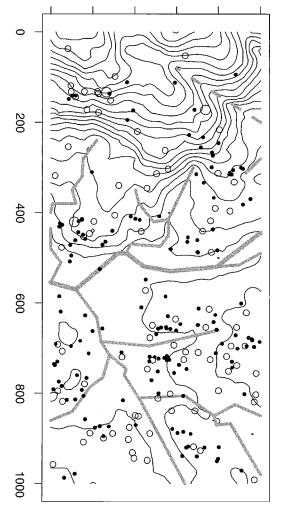
500

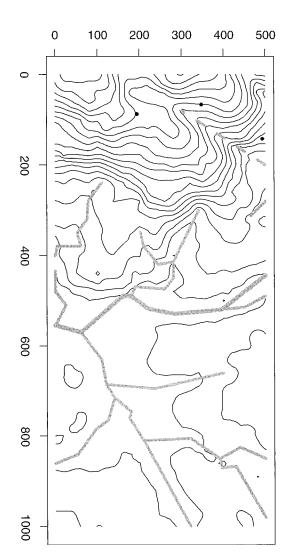
Warneckea pulcherrima (Gilg) Jacq.-Fél. MELASTOMATACEAE

WARI. Medium-sized tree, to 40 cm dbh, 20 m tall. Flowers bisexual, fruits single-seeded, about 1.0 cm long, drupe-like, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea. *Conservation status:* Common.

Stem count, total/50 ha = 240, Species rank = 149

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	85	1.7	1.7	35.42	0.06
>2≤3	29	0.58	2.28	12.08	0.04
>3≤4	21	0.42	2.7	8.75	0.06
>4≤5	18	0.36	3.06	7.50	0.08
>5≤10	36	0.72	3.78	15.00	0.09
>10≤20	36	0.72	4.5	15.00	0.24
>20≤30	12	0.24	4.74	5.00	0.22
>30≤60	3	0.06	4.8	1.25	0.08
>60	0	0	4.8	0.00	0.00





WWAR. Small tree. Flowers bisexual, fruits single-seeded, drupe-like, animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3, Species rank = 431

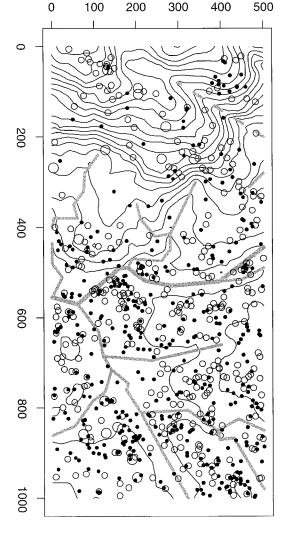
Diameter class (cm) Total no. trees in 50 ha No. trees per ha 50 ha Cumulative tree count per ha % by size class % of all species by size class 1≤2 2 0.04 0.04 66.67 0.001 >2≤3 1 0.02 0.06 33.33 0.002 >3≤4 0 0 0.06 0.00 0.00 >4≤5 0 0 0.06 0.00 0.00 >5≤10 0 0 0.06 0.00 0.00 >10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00 >60 0 0 0.06 0.00 0.00						
>2≤3 1 0.02 0.06 33.33 0.002 >3≤4 0 0 0.06 0.00 0.00 >4≤5 0 0 0.06 0.00 0.00 >5≤10 0 0 0.06 0.00 0.00 >10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00		trees in		tree count	•	species by
>3≤4 0 0 0.06 0.00 0.00 >4≤5 0 0 0.06 0.00 0.00 >5≤10 0 0 0.06 0.00 0.00 >10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00	1≤2	2	0.04	0.04	66.67	0.001
>4≤5 0 0 0.06 0.00 0.00 >5≤10 0 0 0.06 0.00 0.00 >10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00	>2≤3	1	0.02	0.06	33.33	0.002
>5≤10 0 0 0.06 0.00 0.00 >10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00	>3≤4	0	0	0.06	0.00	0.00
>10≤20 0 0 0.06 0.00 0.00 >20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00	>4≤5	0	0	0.06	0.00	0.00
>20≤30 0 0 0.06 0.00 0.00 >30≤60 0 0 0.06 0.00 0.00	>5≤10	0	0	0.06	0.00	0.00
>30≤60 0 0 0.06 0.00 0.00	>10≤20	0	0	0.06	0.00	0.00
3.00	>20≤30	0	0	0.06	0.00	0.00
>60 0 0 0.06 0.00 0.00	>30≤60	0	0	0.06	0.00	0.00
	>60	0	0	0.06	0.00	0.00

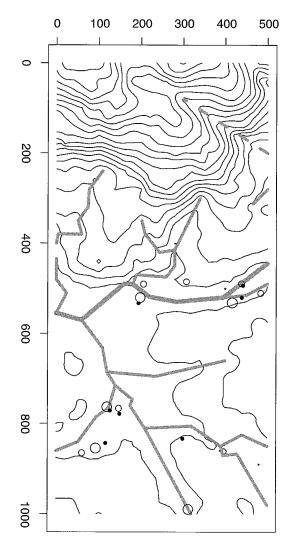
Carapa parviflora Harms MELIACEAE

CAPR. Medium-sized tree, seldom exceeding 40 cm dbh, 25 m tall, crown very compact, trunk unbranched or with few, erect branches, with terminal rosettes of very large pinnate leaves. Flowers bisexual, fruits very large, splitting into segments and releasing 15 or more large seeds, probably animal-dispersed. *Taxonomic notes*: Midrib glabrous, fertile material separated from con-generics on the basis of the small-sized flowers. *Det. level*: F1,G1,S1. *Distribution*: Nigeria to Angola, in coastal forest. *Conservation status*: Common.

Stem count, total/50 ha = 782, Species rank = 76

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	159	3.18	3.18	20.33	0.12
>2≤3	99	1.98	5.16	12.66	0.15
>3≤4	95	1.9	7.06	12.15	0.25
>4≤5	66	1.32	8.38	8.44	0.28
>5≤10	170	3.4	11.78	21.74	0.43
>10≤20	120	2.4	14.18	15.35	0.82
>20≤30	57	1.14	15.32	7.29	1.07
>30≤60	16	0.32	15.64	2.05	0.44
>60	0	0	15.64	0.00	0.00





CABM. Medium-sized tree, to about 40 cm dbh, 25 m tall, crown very compact, trunk unbranched or with few, erect branches, with terminal rosettes of very large pinnate leaves. Flowers bisexual, fruits very large, splitting into segments and releasing 15 or more large seeds, probably animal-dispersed. *Taxonomic notes*: Sterile material separated on the basis of the pubescent midrib, and fruiting material by the conspicuous warts on the fruit. *Det. level*: F1,G1,S1. *Distribution*: Lower guinea endemic, Nigeria to Cameroon, (probably Gabon). *Conservation status*: Rare=3.

Stem count, total/50 ha = 18, Species rank = 338

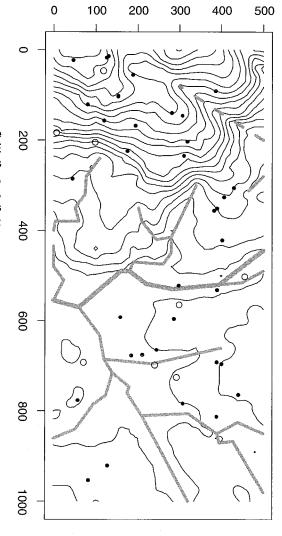
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	22.22	0.00
>2≤3	3	0.06	0.14	16.67	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	2	0.04	0.18	11.11	0.01
>10≤20	1	0.02	0.2	5.56	0.01
>20≤30	3	0.06	0.26	16.67	0.06
>30≤60	5	0.1	0.36	27.78	0.14
>60	0	0	0.36	0.00	0.00

Entandrophragma cylindricum (Sprague) Sprague MELIACEAE

ENTI. Large timber tree, to 50 m tall, 2.5 m dbh, common in drier forests. Only saplings and juveniles seen in the plot. Flowers bisexual, fruits woody, dehiscent, 7-15 cm long, seeds winged, wind-dispersed. Timber important for domestic and export markets, trade name *sapelli*. *Taxonomic notes*: Might be a different *E*. species, needs confirmation. *Det. level*: F1,G2,S2. *Distribution*: Widespread. *Conservation status*: Common.

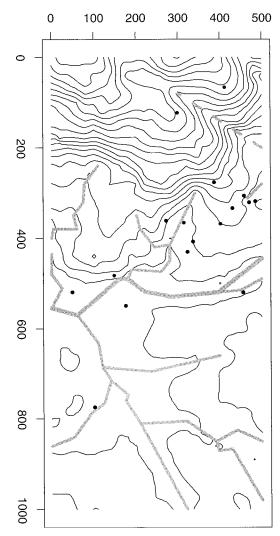
Stem count, total/50 ha = 44, Species rank = 342

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	16	0.32	0.32	36.36	0.01
>2≤3	11	0.22	0.54	25.00	0.02
>3≤4	6	0.12	0.66	13.64	0.02
>4≤5	3	0.06	0.72	6.82	0.01
>5≤10	7	0.14	0.86	15.91	0.02
>10≤20	1	0.02	0.88	2.27	0.01
>20≤30	0	0	0.88	0.00	0.00
>30≤60	0	0	0.88	0.00	0.00
>60	0	0	0.88	0.00	0.00



Guarea glomerulata Harms MELIACEAE

GUGL. Small, shrubby treelet, to about 5 cm dbh, 3 m tall. Flowers bisexual, fruits subglobose, 1-2 cm, opening to expose animal-dispersed seeds. *Taxonomic notes*: Easily recognized by the very long inflorescences. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 17, Species rank = 344

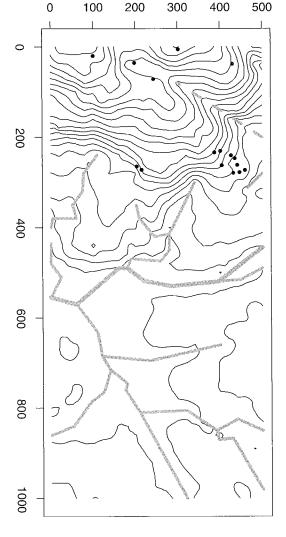
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	58.82	0.01
>2≤3	6	0.12	0.32	35.29	0.01
>3≤4	1	0.02	0.34	5.88	0.00
>4≤5	0	0	0.34	0.00	0.00
>5≤10	0	0	0.34	0.00	0.00
>10≤20	0	0	0.34	0.00	0.00
>20≤30	0	0	0.34	0.00	0.00
>30≤60	0	0	0.34	0.00	0.00
>60	0	0	0.34	0.00	0.00

Guarea sp. "GUA2" MELIACEAE

GUA2. Treelet to 3 cm dbh. Det. level: F1,G2,S3. Distribution: Not known.

Stem count, total/50 ha = 16, Species rank = 347

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	62.50	0.01
>2≤3	6	0.12	0.32	37.50	0.01
>3≤4	0	0	0.32	0.00	0.00
>4≤5	0	0	0.32	0.00	0.00
>5≤10	0	0	0.32	0.00	0.00
>10≤20	0	0	0.32	0.00	0.00
>20≤30	0	0	0.32	0.00	0.00
>30≤60	0	0	0.32	0.00	0.00
>60	0	0	0.32	0.00	0.00



Guarea thompsonii Sprague & Hutch. MELIACEAE

100

1000

200

300

400

500

GUAR. Large tree, to 35 m tall, 1.2 m dbh, common in wetter and drier forests. Flowers bisexual, fruits spherical, 3-4 cm, opening to expose the arilate, animal-dispersed seeds. Important timber tree, trade name *bosse fonce*, wood fairly hard, density 0.6-0.7. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 116, Species rank = 202

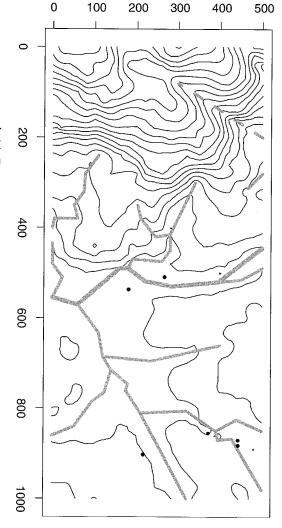
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	51	1.02	1.02	43.97	0.04
>2≤3	12	0.24	1.26	10.34	0.02
>3≤4	6	0.12	1.38	5.17	0.02
>4≤5	5	0.1	1.48	4.31	0.02
>5≤10	7	0.14	1.62	6.03	0.02
>10≤20	1	0.02	1.64	0.86	0.01
>20≤30	1	0.02	1.66	0.86	0.02
>30≤60	25	0.5	2.16	21.55	0.69
>60	8	0.16	2.32	6.90	1.52

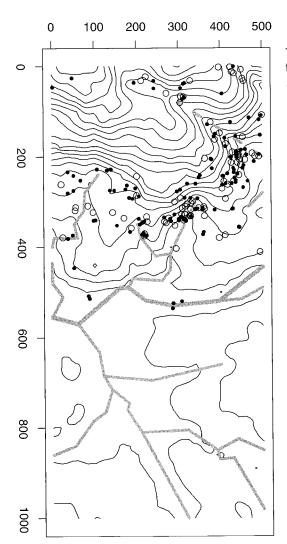
Heckeldora staudtii (Harms) Staner MELIACEAE

SMEL. Shrubby treelet, seldom reaching 10 cm dbh. Flowers bisexual, fruits to 8 cm long with 1 to few seeds, fleshy and animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 6, Species rank = 407

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	100.00	0.00
>2≤3	0	0	0.12	0.00	0.00
>3≤4	0	0	0.12	0.00	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	0	0	0.12	0.00	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	00	0	0.12	0.00	0.00





TRSP. Tree to 20 m tall, common in drier forests. Flowers bisexual, fruits pink, splitting to expose black seeds with yellow arils, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 210, Species rank = 154

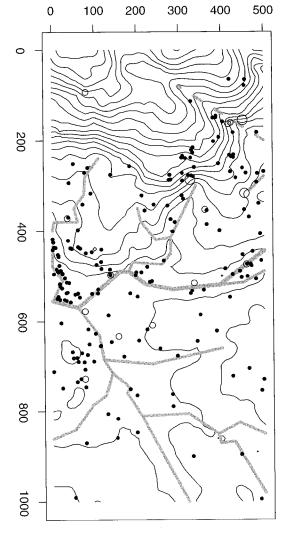
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	76	1.52	1.52	36.19	0.06
>2≤3	22	0.44	1.96	10.48	0.03
>3≤4	15	0.3	2.26	7.14	0.04
>4≤5	17	0.34	2.6	8.10	0.07
>5≤10	36	0.72	3.32	17.14	0.09
>10≤20	38	0.76	4.08	18.10	0.26
>20≤30	6	0.12	4.2	2.86	0.11
>30≤60	0	0	4.2	0.00	0.00
>60	0	0	4.2	0.00	0.00

Trichilia sp. "TRWE" MELIACEAE

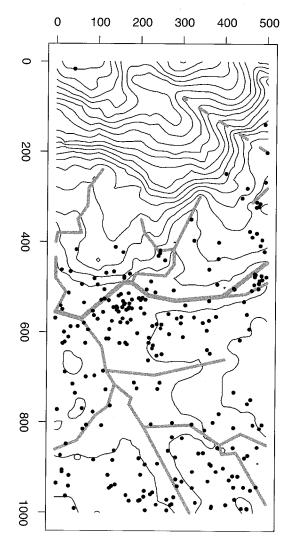
TRWE. Tree to about 40 cm dbh, 25 m tall. Flowers bisexual, fruits probably leathery, splitting to expose arilate, animal-dispersed seeds. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 207, Species rank = 155

class (cm) tre 50 1≤2 1 >2≤3	es in pe	trees Cum r ha tree	ulative % by		all
>2≤3) ha	pe	r ha	ss species size cl	-
	130 2	2.6 2	2.6 62.8	80 0.09	9
	36 0	.72 3	.32 17.3	39 0.0	5
>3≤4	19 0	.38 3	3.7 9.1	0.0	5
>4≤5	7 0	.14 3	.84 3.3	38 0.03	3
>5≤10	8 0	.16	4 3.8	36 0.02	2
>10≤20	3 0	.06 4	.06 1.4	15 0.02	2
>20≤30	1 0	.02 4	.08 0.4	18 0.0	2
>30≤60	3 0	.06 4	.14 1.4	15 0.0	8
>60	0	0 4	.14 0.0	0.0	0



Turreanthus mannii Baill.



TUMA. Treelet, to about 4 cm dbh, 3 m tall. Flowers bisexual, fruits fleshy with 1 to few large seeds, animal-dispersed. Det. level: F1,G1,S1. Distribution: Narrow endemic. Conservation status: Rare=1.

Stem count, total/50 ha = 251, Species rank = 142

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	223	4.46	4.46	88.84	0.16
>2≤3	22	0.44	4.9	8.76	0.03
>3≤4	5	0.1	5	1.99	0.01
>4≤5	0	0	5	0.00	0.00
>5≤10	1	0.02	5.02	0.40	0.00
>10≤20	0	0	5.02	0.00	0.00
>20≤30	0	0	5.02	0.00	0.00
>30≤60	0	0	5.02	0.00	0.00
>60	0	0	5.02	0.00	0.00

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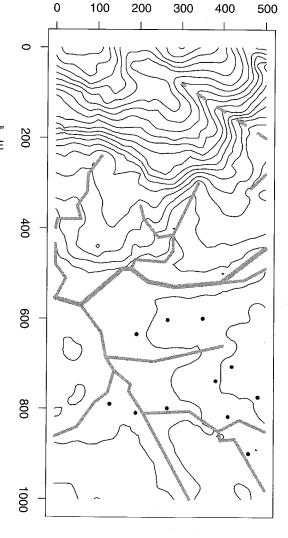
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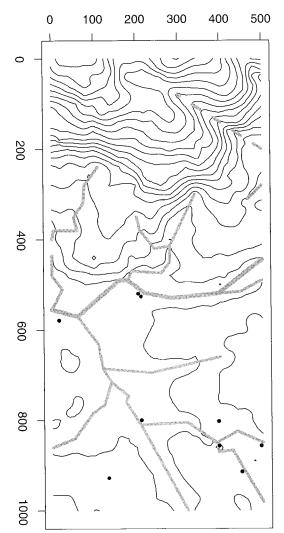
Turreanthus sp. "TUMA2" MELIACEAE

TUMA2. Treelet, to 2 cm dbh. Det. level: F1,G2,S3. Distribution: Not known.

Stem count, total/50 ha = 11, Species rank = 366

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	100.00	0.01
>2≤3	0	0	0.22	0.00	0.00
>3≤4	0	0	0.22	0.00	0.00
>4≤5	0	0	0.22	0.00	0.00
>5≤10	0	0	0.22	0.00	0.00
>10≤20	0	0	0.22	0.00	0.00
>20≤30	0	0	0.22	0.00	0.00
>30≤60	0	0	0.22	0.00	0.00
>60	0	0	0.22	0.00	0.00





WSAP. Treelet to 5 cm dbh. Flowers probably bisexual, fruits probably leathery and dehiscent with arilate seeds, animal-dispersed. *Det. level:* F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 9, Species rank = 378

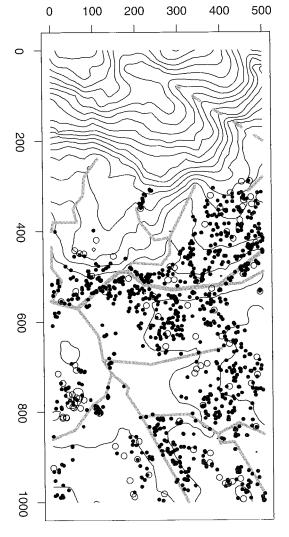
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	55.56	0.00
>2≤3	1	0.02	0.12	11.11	0.00
>3≤4	2	0.04	0.16	22.22	0.01
>4≤5	1	0.02	0.18	11.11	0.00
>5≤10	0	0	0.18	0.00	0.00
>10≤20	0	0	0.18	0.00	0.00
>20≤30	0	0	0.18	0.00	0.00
>30≤60	0	0	0.18	0.00	0.00
>60	0	0	0.18	0.00	0.00

Glossocalyx brevipes Benth. var. brevipes. MONIMIACEAE

GLBR. Small tree to about 10 cm dbh, 6 m tall, all parts with a very strong odor. Flowers unisexual, dioecious or possibly monoecious, fruits about 3 cm long with persistent calyx, berry-like, not very fleshy, probably animal-dispersed. *Taxonomic notes*: Distinguished from closely-related *G. longiscuspis* Benth. ex Benth. & Hook.f. by the rounded leaf base and shorter sepal. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

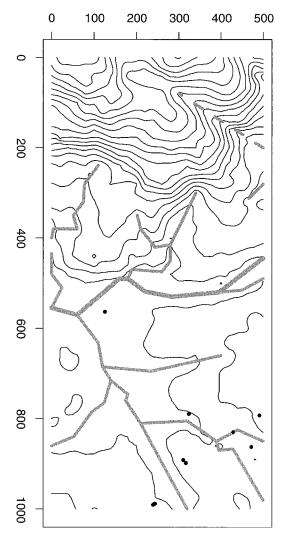
Stem count, total/50 ha = 1069, Species rank = 61

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	559	11.18	11.18	52.29	0.41
>2≤3	216	4.32	15.5	20.21	0.33
>3≤4	143	2.86	18.36	13.38	0.38
>4≤5	57	1.14	19.5	5.33	0.25
>5≤10	90	1.8	21.3	8.42	0.23
>10≤20	4	0.08	21.38	0.37	0.03
>20≤30	0	0	21.38	0.00	0.00
>30≤60	0	0	21.38	0.00	0.00
>60	0	0	21.38	0.00	0.00



Dorstenia turbinata Engl. MORACEAE

DORS. Treelet, seldom more than 1 cm dbh. Inflorescensces bisexual, fruit about 6 mm, probably animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 10, Species rank = 373

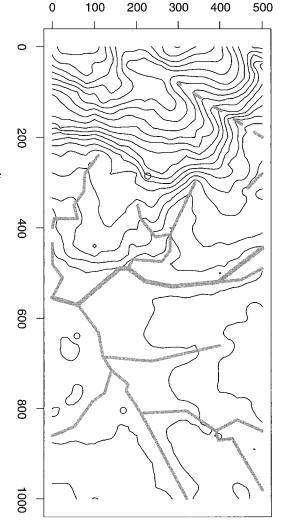
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	100.00	0.01
>2≤3	0	0	0.2	0.00	0.00
>3≤4	0	0	0.2	0.00	0.00
>4≤5	0	0	0.2	0.00	0.00
>5≤10	0	0	0.2	0.00	0.00
>10≤20	0	0	0.2	0.00	0.00
>20≤30	0	0	0.2	0.00	0.00
>30≤60	0	0	0.2	0.00	0.00
>60	0	0	0.2	0.00	0.00

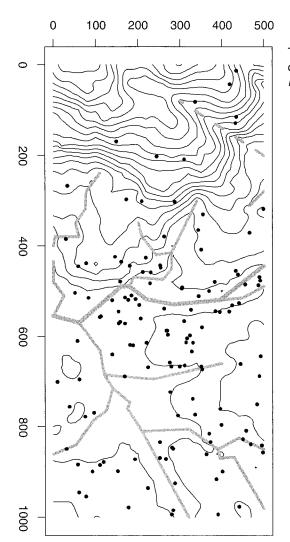
Ficus sp. "FICU" MORACEAE

FICU. Sprawling tree to 3 m tall. Monoecious, inflorescences (figs) with male and female flowers, fruit formed from the fleshy receptacle, animal-dispersed. *Taxonomic notes*: This species appears to be a hemiepiphyte fallen from a branch and established on the forest floor. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3, Species rank = 431

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	1	0.02	0.02	33.33	0.00
>10≤20	1	0.02	0.04	33.33	0.01
>20≤30	1	0.02	0.06	33.33	0.02
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00





TREI. Shrubby treelet, to 4 cm dbh, 2 m tall. Dioecious, false fruits about 3.5 cm, spiny, containing about 10 fruits, probably animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 133, Species rank = 195

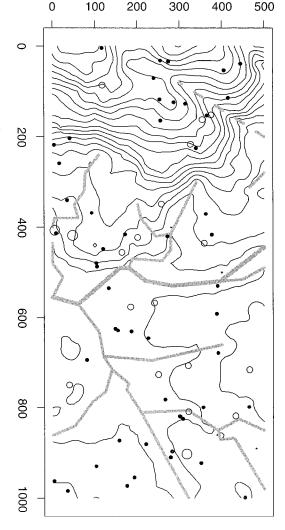
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	115	2.3	2.3	86.47	0.08
>2≤3	13	0.26	2.56	9.77	0.02
>3≤4	5	0.1	2.66	3.76	0.01
>4≤5	0	0	2.66	0.00	0.00
>5≤10	0	0	2.66	0.00	0.00
>10≤20	0	0	2.66	0.00	0.00
>20≤30	0	0	2.66	0.00	0.00
>30≤60	0	0	2.66	0.00	0.00
>60	0	0	2.66	0.00	0.00

Treculia africana Decne. subsp. africana MORACEAE

TRAF. Large tree, to 30 m tall, 90 cm dbh, with fluted bole. Dioecious, false fruits very large, to 30 cm diameter, containing numerous small fruits in a pulpy receptacle, animal-dispersed. Timber not used, seeds are edible, grilled or used to prepare a nutritious paste, sometimes called *African breadfruit*. The tree is protected by farmers and is sometimes planted. *Taxonomic notes*: There are 2 varieties, var. *africana* and var. *mollis* (Engl.) J.Léonard, separated by the leaf indumentum. Material from the Korup area (Thomas 752) cited by Berg in FC vol. 24 belongs to var. *mollis*. *Det. level*: F1,G1,S1. *Distribution*: Var. *africana* is widespread, var. *mollis* is from Lower Guinea, rarely collected. *Conservation status*: Common.

Stem count, total/50 ha = 71, Species rank = 248

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	30	0.6	0.6	42.25	0.02
>2≤3	13	0.26	0.86	18.31	0.02
>3≤4	6	0.12	0.98	8.45	0.02
>4≤5	3	0.06	1.04	4.23	0.01
>5≤10	9	0.18	1.22	12.68	0.02
>10≤20	3	0.06	1.28	4.23	0.02
>20≤30	4	0.08	1.36	5.63	0.07
>30≤60	3	0.06	1.42	4.23	0.08
>60	0	0	1.42	0.00	0.00



Treculia obovoidea n.e.br. MORACEAE

TROB. Medium-sized tree to 60 cm dbh, 20 m tall. Dioecious, male flowers among leaves and on young branches, female flowers cauliflorous on trunk and large branches. False fruits about 6 cm long, very spiny, containing several single-seeded fruits, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea, Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 38, Species rank = 294

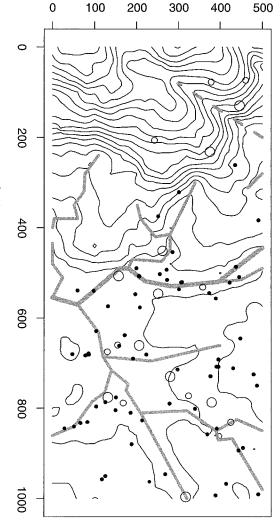
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	18	0.36	0.36	47.37	0.01
>2≤3	4	0.08	0.44	10.53	0.01
>3≤4	3	0.06	0.5	7.89	0.01
>4≤5	3	0.06	0.56	7.89	0.01
>5≤10	1	0.02	0.58	2.63	0.00
>10≤20	3	0.06	0.64	7.89	0.02
>20≤30	1	0.02	0.66	2.63	0.02
>30≤60	5	0.1	0.76	13.16	0.14
>60	0	0	0.76	0.00	0.00

Coelocaryon preussii warb. MYRISTICACEAE

COPR. Large evergreen tree, to 35 m tall, 1.2 m dbh, with a dense, pyramidal crown. Flowers probably dioecious. Fruits about 4 cm long, yellow, leathery, splitting to expose large black seed with red, laciniate aril, animal-dispersed. Sometimes exploited for timber, trade name *ekoune*, wood rather soft, density 0.45-0.65, seeds reported to contain edible fat, but not eaten in the Korup area. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 87, Species rank = 224

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	40	0.8	0.8	45.98	0.03
>2≤3	15	0.3	1.1	17.24	0.02
>3≤4	10	0.2	1.3	11.49	0.03
>4≤5	3	0.06	1.36	3.45	0.01
>5≤10	4	0.08	1.44	4.60	0.01
>10≤20	3	0.06	1.5	3.45	0.02
>20≤30	2	0.04	1.54	2.30	0.04
>30≤60	0	0	1.54	0.00	0.00
>60	10	0.2	1.74	11.49	1.89



Pycnanthus angolensis (Welw.) Warb. MYRISTICACEAE

PYAN. Large evergreen tree to 45 m tall, 1.6 m dbh, common in secondary forest. Dioecious, fruit about 4 cm long, yellow, leathery, splitting to expose large black seed with reddish, laciniate aril, animal-dispersed. Timber exploited for plywood, also split locally for boards, trade name *ilomba*. Seeds rich in fat, reported to burn like candles, bark used medicinally. *Det. level:* F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 25, Species rank = 317

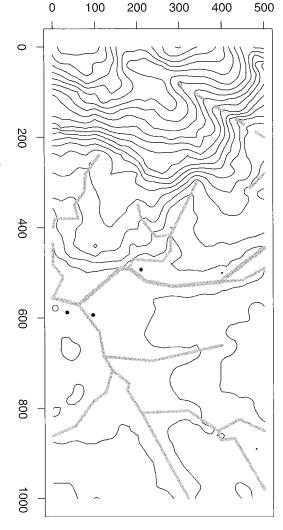
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.20	0.20	40.00	0.01
>2≤3	6	0.12	0.32	24.00	0.01
>3≤4	0	0	0.32	0.00	0.00
>4≤5	1	0.02	0.34	4.00	0.00
>5≤10	3	0.06	0.40	12.00	0.01
>10≤20	5	0.10	0.50	20.00	0.03
>20≤30	0	0	0.50	0.00	0.00
>30≤60	0	0	0.50	0.00	0.00
>60	0	0	0.50	0.00	0.00

Scyphocephalium mannii (Benth.) Warb. MYRISTICACEAE

SCYP. Large tree with a short trunk and long branches, reaching about 30 m tall. Trunk reaching very large diameters, to 3.0 m dbh, hollow within. Dioecious, fruits rounded, apparently indehiscent, about 5 cm diameter, containing a single large arilate seed, animal-dispersed, probably by elephants. Wood rarely exploited, trade name *akurna*, density 0.5-0.7. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common near the coast.

Stem count, total/50 ha = 4, Species rank = 421

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	1	0.02	0.06	25.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	1	0.02	0.08	25.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00



Staudtia gabonensis warb. MYRISTICACEAE

STST. Large evergreen tree, to 35 m tall, 90 cm dbh. Probably dioecious. Fruits about 4 cm long, yellow, leathery, splitting to expose large black seed with red, laciniate aril, animal-dispersed. Uses similar to *S. kamerunensis. Taxonomic notes*: Syn. *S. stipitata* Warb. Fouilloy in FC vol.18 reduces this species to varietal level, *Staudtia kamerunensis* var. *gabonensis* (Warb.) R.Fouilloy. In Korup, the 2 taxa are clearly different species, so we are retaining the older nomenclature. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 8, Species rank = 384

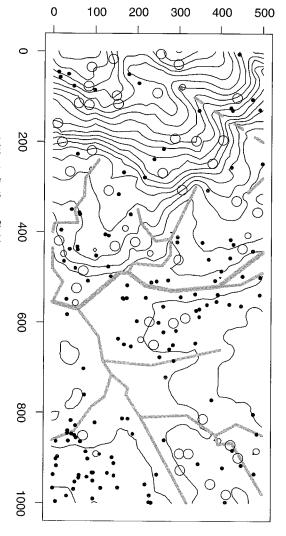
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	25.00	0.00
>2≤3	1	0.02	0.06	12.50	0.00
>3≤4	0	0	0.06	0.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	1	0.02	0.08	12.50	0.03
>60	4	0.08	0.16	50.00	0.76

Staudtia kamerunensis Warb. MYRISTICACEAE

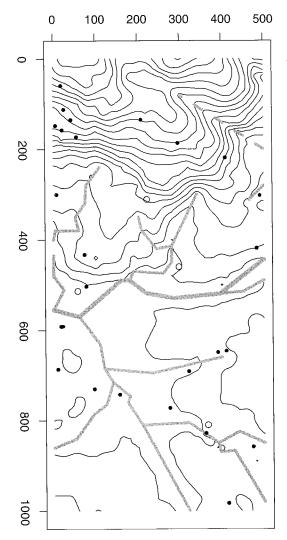
STAU. Large evergreen tree, to 40 m tall, 1.1 m dbh, crown dense and rather compact. Probably dioecious. Fruits about 4 cm long, yellow, leathery, splitting to expose large black seed with red, laciniate aril, animal-dispersed. The hard, red timber has commercial and local uses, trade name *niove*. The bark and fruits are used medicinally. *Taxonomic notes*: According to Fouilloy in FC vol.18, this taxon is, *Staudtia kamerunensis* Warb. var. *kamerunensis*. In Korup, the 2 taxa are clearly different species, so we are retaining the older nomenclature. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 194, Species rank = 162

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	86	1.72	1.72	44.33	0.06
>2≤3	34	0.68	2.4	17.53	0.05
>3≤4	13	0.26	2.66	6.70	0.03
>4≤5	8	0.16	2.82	4.12	0.03
>5≤10	9	0.18	3	4.64	0.02
>10≤20	0	0	3	0.00	0.00
>20≤30	0	0	3	0.00	0.00
>30≤60	24	0.48	3.48	12.37	0.66
>60	20	0.4	3.88	10.31	3.79



Eugenia callophyloides DC. MYRTACEAE



EUG2. Treelet, to 7 cm dbh. Flowers bisexual, fruits drupe-like, animal (bird?)-dispersed. *Taxonomic notes*: Probably a closely-related species, since this one is not known to occur in Lower Guinea. *Det. level*: F1,G1,S2. *Distribution*: Upper Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 30, Species rank = 305

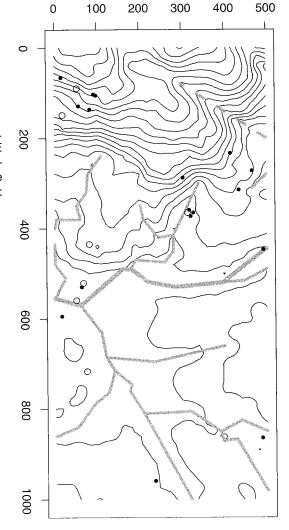
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	12	0.24	0.24	40.00	0.01
>2≤3	10	0.2	0.44	33.33	0.02
>3≤4	3	0.06	0.5	10.00	0.01
>4≤5	1	0.02	0.52	3.33	0.00
>5≤10	4	0.08	0.6	13.33	0.01
>10≤20	0	0	0.6	0.00	0.00
>20≤30	0	0	0.6	0.00	0.00
>30≤60	0	0	0.6	0.00	0.00
>60	0	0	0.6	0.00	0.00

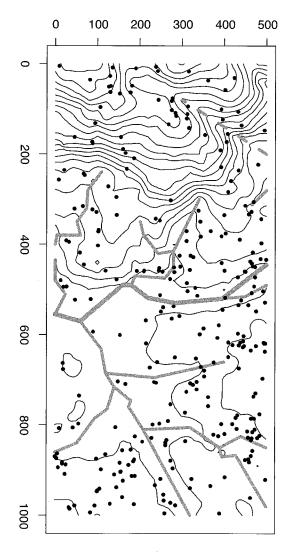
Eugenia fernandopoana Engl. & Brehm. MYRTACEAE

EUGT. Small tree, to about 20 cm dbh, usually smaller. Flowers bisexual, fruits drupe-like, animal (bird?)-dispersed. *Taxonomic notes*: Only known from Bioko, needs to be confirmed. *Det. level*: F1,G1,S2. *Distribution*: Bioko Island. *Conservation status*: Rare=1.

Stem count, total/50 ha = 24, Species rank = 319

			,	•	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	13	0.26	0.26	54.17	0.01
>2≤3	0	0	0.26	0.00	0.00
>3≤4	2	0.04	0.3	8.33	0.01
>4≤5	2	0.04	0.34	8.33	0.01
>5≤10	5	0.1	0.44	20.83	0.01
>10≤20	1	0.02	0.46	4.17	0.01
>20≤30	1	0.02	0.48	4.17	0.02
>30≤60	0	0	0.48	0.00	0.00
>60	0	0	0.48	0.00	0.00





EUGI. Treelet, less than 3 cm dbh. Flowers bisexual, fruits drupe-like, animal (bird?)-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Narrow endemic to Korup area. *Conservation status*: Rare=1.

Stem count, total/50 ha = 285, Species rank = 133

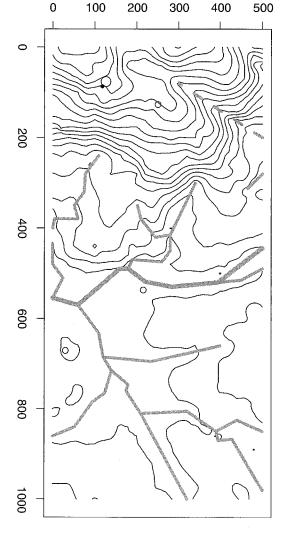
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	267	5.34	5.34	93.68	0.19
>2≤3	18	0.36	5.7	6.32	0.03
>3≤4	0	0	5.7	0.00	0.00
>4≤5	0	0	5.7	0.00	0.00
>5≤10	0	0	5.7	0.00	0.00
>10≤20	. 0	0	5.7	0.00	0.00
>20≤30	0	0	5.7	0.00	0.00
>30≤60	0	0	5.7	0.00	0.00
>60	0	0	5.7	0.00	0.00

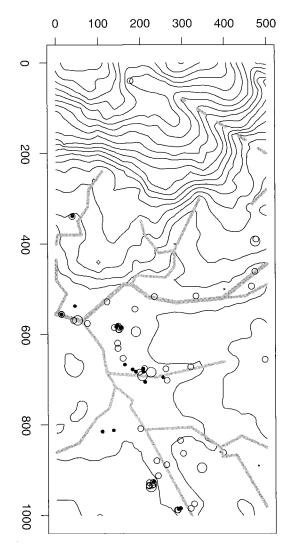
Syzygium guineense (Willd.) DC. var. ? MYRTACEAE

SYGU. Medium-sized tree to about 40 cm dbh. Flowers bisexual, fruits drupe-like, animal (bird?)-dispersed. *Taxonomic notes*: Difficult genus with closely-related species, vars. *Det. level*: F1,G1,S2,V3. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 5, Species rank = 414

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	20.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	1	0.02	0.04	20.00	0.00
>10≤20	1	0.02	0.06	20.00	0.01
>20≤30	1	0.02	0.08	20.00	0.02
>30≤60	1	0.02	0.1	20.00	0.03
>60	0	0	0.1	0.00	0.00





SYRO. Medium-sized tree to about 50 cm dbh, 25 m tall, trunk very irregular near base. Flowers bisexual, fruits drupe-like, animal (bird?)-dispersed. *Taxonomic notes*: Difficult genus with closely-related species, vars. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 72, Species rank = 247

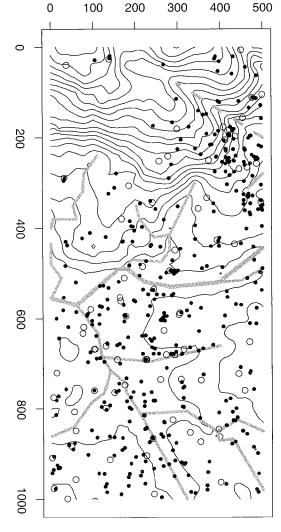
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	9.72	0.01
>2≤3	6	0.12	0.26	8.33	0.01
>3≤4	6	0.12	0.38	8.33	0.02
>4≤5	2	0.04	0.42	2.78	0.01
>5≤10	15	0.3	0.72	20.83	0.04
>10≤20	18	0.36	1.08	25.00	0.12
>20≤30	11	0.22	1.3	15.28	0.21
>30≤60	7	0.14	1.44	9.72	0.19
>60	0	0	1.44	0.00	0.00

Campylospermum calanthum (Gilg) Farron OCHNACEAE

OURA. Small tree, to 10 cm dbh, 10 m tall. Flowers bisexual in terminal panicles. Fruits composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn. *Ouratea calantha* Gilg. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare = 3.

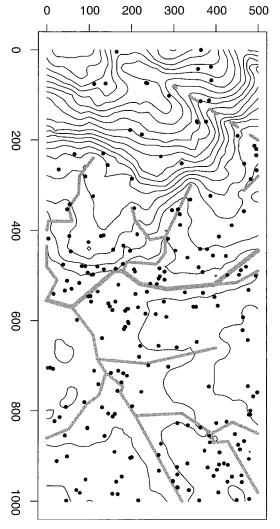
Stem count, total/50 ha = 498, Species rank = 103

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	202	4.04	4.04	40.56	0.15
>2≤3	113	2.26	6.3	22.69	0.17
>3≤4	59	1.18	7.48	11.85	0.16
>4≤5	47	0.94	8.42	9.44	0.20
>5≤10	77	1.54	9.96	15.46	0.19
>10≤20	0	0	9.96	0.00	0.00
>20≤30	0	0	9.96	0.00	0.00
>30≤60	0	0	9.96	0.00	0.00
>60	0	0	9.96	0.00	0.00



Campylospermum flavum (Schum. & Thonn.) Farron OCHNACEAE

OUR2. Treelet, to 3 cm dbh, 3 m tall. Flowers bisexual in terminal panicles. Fruits composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn. *Ouratea flava* (Schum. & Thonn.) Hutch. & Dalz. ex Stapf. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



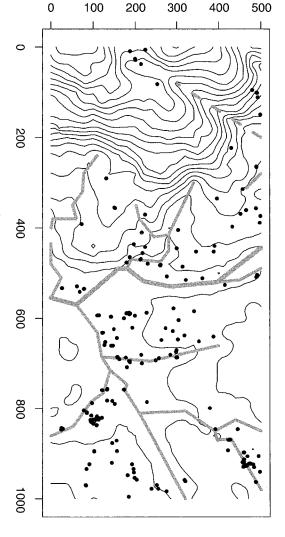
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	208	4.16	4.16	94.12	0.15
>2≤3	13	0.26	4.42	5.88	0.02
>3≤4	0	0	4.42	0.00	0.00
>4≤5	0	0	4.42	0.00	0.00
>5≤10	0	0	4.42	0.00	0.00
>10≤20	0	0	4.42	0.00	0.00
>20≤30	0	0	4.42	0.00	0.00
>30≤60	0	0	4.42	0.00	0.00
>60	0	0	4.42	0.00	0.00

Campylospermum mannii (Oliv.) Van Tiegh. OCHNACEAE

OUEL. Treelet, less than 5 cm dbh, 5 m tall, monocaul or with few, erect branches, leaves large in a terminal rosette, trapping leaf litter and forming a ball of decomposed litter full of adventitious roots over the apex. Flowers bisexual in a terminal raceme, fruits composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: syn. *Ouratea mannii* (Oliv.) Engl., distinguished from *C. elongatum* (Oliv.) van Tiegh. by the non-winged rachis. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, SE Nigeria, Korup area and Bioko. *Conservation status*: Rare=2.

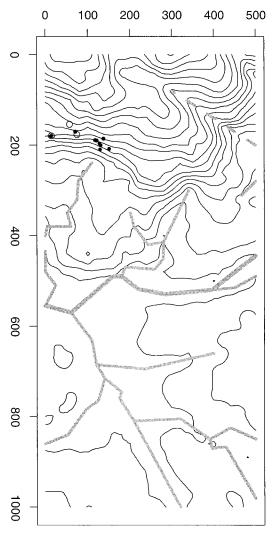
Stem count, total/50 ha = 221, Species rank = 150

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	169	3.38	3.38	76.47	0.12
>2≤3	46	0.92	4.3	20.81	0.07
>3≤4	6	0.12	4.42	2.71	0.02
>4≤5	0	0	4.42	0.00	0.00
>5≤10	0	0	4.42	0.00	0.00
>10≤20	0	0	4.42	0.00	0.00
>20≤30	0	0	4.42	0.00	0.00
>30≤60	0	0	4.42	0.00	0.00
>60	0	0	4.42	0.00	0.00



Campylospermum sp. "OUFB" OCHNACEAE

OUFB. Treelet, less than 10 cm dbh. Flowers bisexual, fruits probably composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn *Ouratea* sp. *Det. level*: F1,G1,S3. *Distribution*: Not known.



Stem count, total/50 ha = 13, Species rank = 358

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	46.15	0.00
>2≤3	3	0.06	0.18	23.08	0.00
>3≤4	1	0.02	0.2	7.69	0.00
>4≤5	0	0	0.2	0.00	0.00
>5≤10	3	0.06	0.26	23.08	0.01
>10≤20	0	0	0.26	0.00	0.00
>20≤30	0	0	0.26	0.00	0.00
>30≤60	0	0	0.26	0.00	0.00
>60	0	0	0.26	0.00	0.00

100

200

300

400

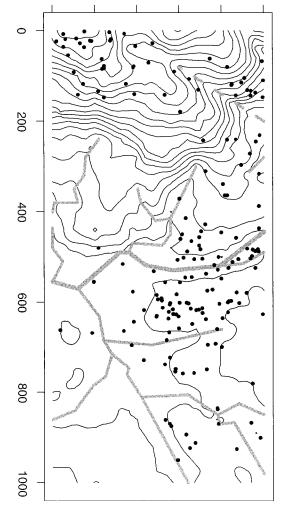
500

Campylospermum sp. "OURI" OCHNACEAE

OURI. Treelet, to 5 cm dbh, 5 m tall. Flowers bisexual, fruits probably composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn. *Ouratea* sp. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 184, Species rank = 168

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	108	2.16	2.16	58.70	0.08
>2≤3	53	1.06	3.22	28.80	0.08
>3≤4	15	0.3	3.52	8.15	0.04
>4≤5	8	0.16	3.68	4.35	0.03
>5≤10	0	0	3.68	0.00	0.00
>10≤20	0	0	3.68	0.00	0.00
>20≤30	0	0	3.68	0.00	0.00
>30≤60	0	0	3.68	0.00	0.00
>60	0	0	3.68	0.00	0.00



Campylospermum sp. "OUR6" OCHNACEAE

OUR6. Treelet, to 3 cm dbh, 2 m tall. Flowers bisexual, fruits probably composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn. *Ouratea* sp. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 91, Species rank = 217

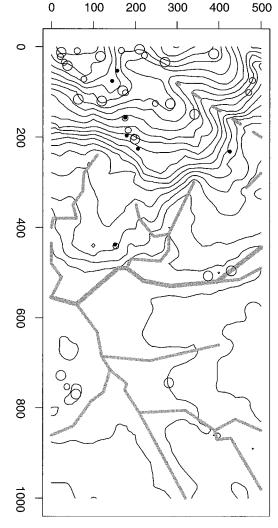
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	89	1.78	1.78	97.80	0.06
>2≤3	2	0.04	1.82	2.20	0.00
>3≤4	0	0	1.82	0.00	0.00
>4≤5	0	0	1.82	0.00	0.00
>5≤10	0	0	1.82	0.00	0.00
>10≤20	0	0	1.82	0.00	0.00
>20≤30	0	0	1.82	0.00	0.00
>30≤60	0	0	1.82	0.00	0.00
>60	0	0	1.82	0.00	0.00

Lophira alata Banks ex Gaertn.f. OCHNACEAE

LOAL. Large tree, to 45 m tall, 1.5 m dbh, with a spreading crown, briefly deciduous in Nov. or Dec. Flowers bisexual, showy and paniculate, appearing with the young leaves. Fruit a nut with enlarged wing-like calyx, wind-dispersed but probably with secondary-dispersal by animal. Commercial names: *azobe*, *red ironwood*. An important export timber, very hard and heavy (density 1.0–1.15), used for marine pilings, railroad ties etc., also the bark is used medicinally in the Korup area. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 38, Species rank = 290

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	5.13	0.00
>2≤3	1	0.02	0.06	2.56	0.00
>3≤4	0	0	0.06	0.00	0.00
>4≤5	4	0.08	0.14	10.26	0.02
>5≤10	4	0.08	0.22	10.26	0.01
>10≤20	8	0.16	0.38	20.51	0.05
>20≤30	3	0.06	0.44	7.69	0.06
>30≤60	5	0.1	0.54	12.82	0.14
>60	12	0.24	0.78	30.77	2.27



Rhabdophyllum sp. "RHAB" OCHNACEAE

RHAB. Treelet, to 3 cm dbh, 2 m tall. Flowers bisexual, fruits probably composed of the inflated red receptacle bearing up to five small, separate, black, drupaceous fruiting carpels, animal-dispersed. *Taxonomic notes*: Syn. *Ouratea* sp., distinguished from *Campylospermum* by the numerous parallel veins in the leaf. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 13, Species rank = 358

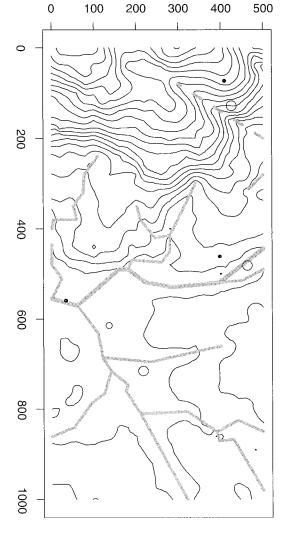
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	10	0.2	0.2	76.92	0.01
>2≤3	2	0.04	0.24	15.38	0.00
>3≤4	1	0.02	0.26	7.69	0.00
>4≤5	0	0	0.26	0.00	0.00
>5≤10	0	0	0.26	0.00	0.00
>10≤20	0	0	0.26	0.00	0.00
>20≤30	0	0	0.26	0.00	0.00
>30≤60	0	0	0.26	0.00	0.00
>60	0	0	0.26	0.00	0.00

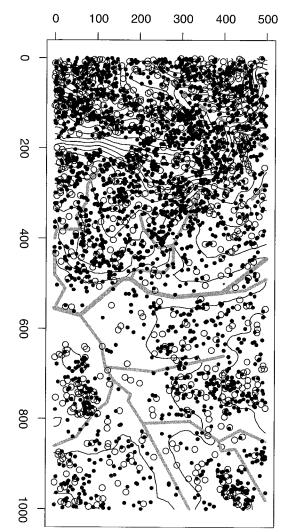
Coula edulis Baill. OLACACEAE

COED. Medium-sized tree, to about 25 m tall, 50 cm dbh (occ. larger) with a dense, spreading, evergreen crown, slash with sparse white latex. Flowers small, bisexual, drupes round, 4 cm diameter, green (-reddish), with thin, mealy mesocarp, hard, thick endocarp and a large seed, animal-dispersed. Eaten by elephants and scatter-hoarded by large rodents. Wood hard and heavy (dry density 0.9 – 1.1), used locally for building, seeds edible, used in Korup area, often harvested commercially in areas where it is more abundant. *Taxonomic notes*: Monospecific genus. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 8, Species rank = 384

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	12.50	0.00
>2≤3	2	0.04	0.06	25.00	0.00
>3≤4	1	0.02	0.08	12.50	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	1	0.02	0.1	12.50	0.02
>30≤60	3	0.06	0.16	37.50	0.08
>60	0	0	0.16	0.00	0.00





DIOG. Medium-sized tree, to about 25 m tall, 40 cm dbh. Drupe about 4 cm, strangely-shaped, the persistent calyx forming a ridge around the middle, with the apical half more or less conical, the basal half hemispherical, apparently green when ripe (yellow?), animal-dispersed. *Taxonomic notes*: Monospecific genus. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, often abundant in forests near the coast.

Stem count, total/50 ha = 3219, Species rank = 26

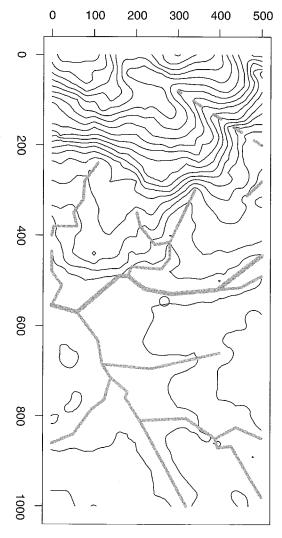
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1396	27.92	27.92	43.37	1.01
>2≤3	545	10.9	38.82	16.93	0.82
>3≤4	294	5.88	44.7	9.13	0.78
>4≤5	179	3.58	48.28	5.56	0.77
>5≤10	387	7.74	56.02	12.02	0.97
>10≤20	335	6.7	62.72	10.41	2.28
>20≤30	76	1.52	64.24	2.36	1.42
>30≤60	7	0.14	64.38	0.22	0.19
>60	0	0	64.38	0.00	0.00

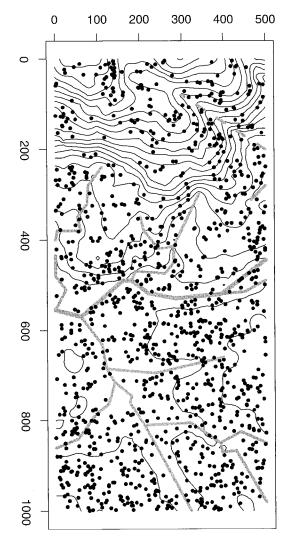
Engomegoma gordonii Breteler OLACACEAE

WCOU. Medium-sized tree, reaching large dbh but only about 25 m tall, with a dense, spreading, evergreen crown. *Taxonomic notes*: This recently described species is currently known only from Gabon and Korup, but may prove to be more widespread. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, seldom collected. *Conservation status*: Rare=2.

Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	0	0	0	0.00	0.00
>60	11	0.02	0.02	100.00	0.19





HEPA. Treelet in Korup, to about 3 cm dbh, larger elsewhere. Flowers bisexual, small, axillary, drupes up to 2 cm long, white, with the reddish greatly enlarged calyx at the base. The seed is reported to be edible, but apparently not used in the Korup area. Seeds animal-dispersed. *Taxonomic notes*: Variable species. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 1173, Species rank = 55

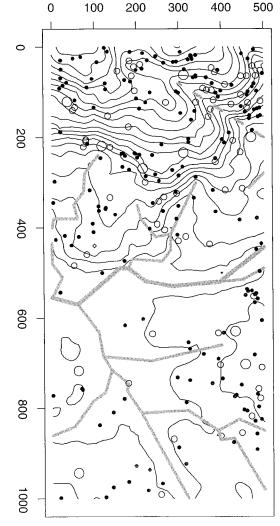
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1110	22.2	22.2	94.63	0.80
>2≤3	62	1.24	23.44	5.29	0.09
>3≤4	1	0.02	23.46	0.09	0.00
>4≤5	0	0	23.46	0.00	0.00
>5≤10	0	0	23.46	0.00	0.00
>10≤20	0	0	23.46	0.00	0.00
>20≤30	0	0	23.46	0.00	0.00
>30≤60	0	0	23.46	0.00	0.00
>60	0	0	23.46	0.00	0.00

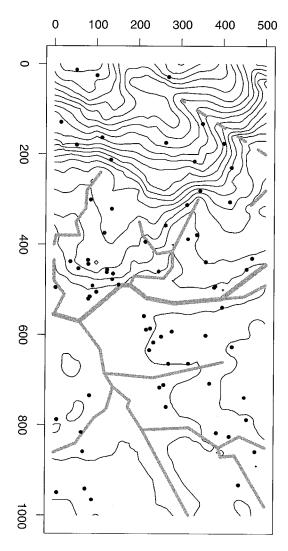
Octoknema affinis Pierre OLACACEAE (Octoknemataceae^{2,3})

OCAF. Small- to medium-sized tree, to 20 m tall, 50 cm dbh. Flowers small, unisexual, possibly dioecious, drupes up to 3 cm long with persistant calyx at apex, red with stellate hairs, animal-dispersed. *Taxonomic notes*: Syn. *O. winkleri* Engl. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 256, Species rank = 140

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	87	1.74	1.74	33.98	0.06
>2≤3	49	0.98	2.72	19.14	0.07
>3≤4	29	0.58	3.3	11.33	0.08
>4≤5	17	0.34	3.64	6.64	0.07
>5≤10	27	0.54	4.18	10.55	0.07
>10≤20	24	0.48	4.66	9.38	0.16
>20≤30	13	0.26	4.92	5.08	0.24
>30≤60	10	0.2	5.12	3.91	0.28
>60	0	0	5.12	0.00	0.00





OLAI. Treelet, to about 2.0 cm dbh, 1.5 m tall. Racemes axillary, flowers small, bisexual. Drupes about 1.5 cm long, orange, completely enclosed by the orange-green accrescent calyx, animal-dispersed. *Taxonomic notes*: Similar to *O. mannii* Oliv. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 71, Species rank = 248

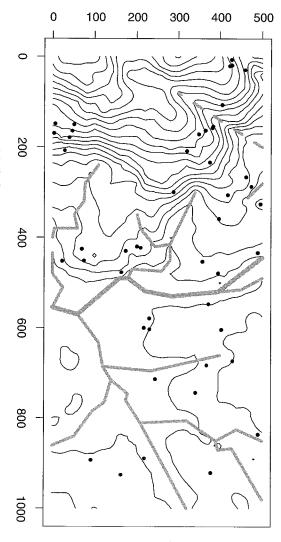
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	71	1.42	1.42	100.00	0.05
>2≤3	0	0	1.42	0.00	0.00
>3≤4	0	0	1.42	0.00	0.00
>4≤5	0	0	1.42	0.00	0.00
>5≤10	0	0	1.42	0.00	0.00
>10≤20	0	0	1.42	0.00	0.00
>20≤30	0	0	1.42	0.00	0.00
>30≤60	0	0	1.42	0.00	0.00
>60	0	0	1.42	0.00	0.00

Olax triplinerva Oliv. OLACACEAE

OLTR. Treelet, to about 3 cm dbh, 2 m tall, rather shrubby, flowers small, bisexual, fruits up to 1.5 cm long, completely enclosed by the accrescent calyx, probably red or orange when ripe, animal-dispersed. *Taxonomic notes*: Leaf venation very distinctive. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 47, Species rank = 276

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	46	0.92	0.92	97.87	0.03
>2≤3	1	0.02	0.94	2.13	0.002
>3≤4	0	0	0.94	0.00	0.00
>4≤5	0	0	0.94	0.00	0.00
>5≤10	0	0	0.94	0.00	0.00
>10≤20	0	0	0.94	0.00	0.00
>20≤30	0	0	0.94	0.00	0.00
>30≤60	0	0	0.94	0.00	0.00
>60	0	0	0.94	0.00	0.00



Ptychopetalum petiolatum oliv. OLACACEAE

PTPE. Small tree, rarely exceeding 20 cm dbh, 15 m tall, reported to be larger elsewhere. Flowers small, bisexual, in axillary racemes. Drupes red, ellipsoid, about 2 cm long, pendulous on a long peduncle, animal-dispersed. *Taxonomic notes*: Ours is probably var. *petiolatum. Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Apparently fairly common.

Stem count, total/50 ha = 243, Species rank = 148

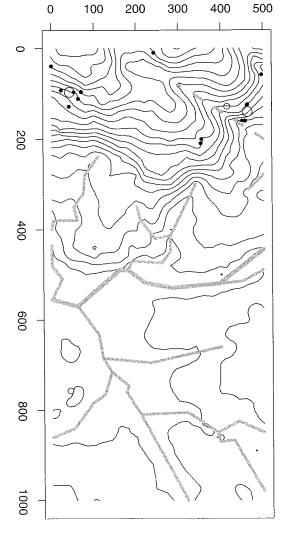
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	86	1.72	1.72	35.39	0.06
>2≤3	39	0.78	2.5	16.05	0.06
>3≤4	18	0.36	2.86	7.41	0.05
>4≤5	11	0.22	3.08	4.53	0.05
>5≤10	54	1.08	4.16	22.22	0.14
>10≤20	32	0.64	4.80	13.17	0.22
>20≤30	3	0.06	4.86	1.23	0.06
>30≤60	0	0	4.86	0.00	0.00
>60	0	0	4.86	0.00	0.00

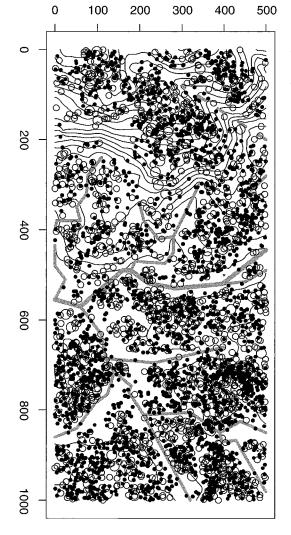
Strombosia grandifolia Hook.f. ex Benth. OLACACEAE

STGR. Medium-sized tree, to about 20 m tall, 60 cm dbh, branched low, often with multiple shoots from the base of the trunk, crown dense, spreading. Flowers small, unisexual in axillary clusters. Drupes ovoid, green (black?), about 2 cm long, mesocarp thin and granulose, animal-dispersed. *Taxonomic notes*: Easily distinguished by the numerous closely-spaced tertiary veins in the leaf. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 18, Species rank = 338

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	13	0.26	0.26	72.22	0.01
>2≤3	0	0	0.26	0.00	0.00
>3≤4	1	0.02	0.28	5.56	0.003
>4≤5	0	0	0.28	0.00	0.00
>5≤10	0	0	0.28	0.00	0.00
>10≤20	0	0	0.28	0.00	0.00
>20≤30	2	0.04	0.32	11.11	0.04
>30≤60	2	0.04	0.36	11.11	0.06
>60	0	0	0.36	0.00	0.00





STPU. Tall tree, to about 35 m, 50 cm dbh (reported to reach 1.0 m dbh elsewhere). Crown compact, dense, evergreen. Flowers small and bisexual in axillary clusters. Drupes ellipsoid, about 3 cm long, mesocarp thin and granular, green (or black?), animal-dispersed. *Taxonomic notes*: Ours is var. *pustulata*, syn. *S. glaucescens* Engl. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolean, widespread and often abundant.

Stem count, total/50 ha = 4119, Species rank = 15

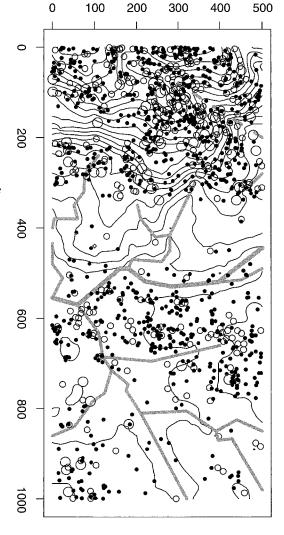
>2≤3 559 11.18 42.28 13.57 0.8e	of all ecies by e class
11.70	1.13
>3<4 257 7.44 40.42 9.67 0.00	0.84
>3≤4 357 7.14 49.42 8.67 0.99	0.95
>4≤5 245 4.9 54.32 5.95 1.0€	1.06
>5≤10 622 12.44 66.76 15.10 1.56	1.56
>10≤20 417 8.34 75.1 10.12 2.83	2.83
>20≤30 245 4.9 80 5.95 4.59	4.59
>30≤60 119 2.38 82.38 2.89 3.29	3.29
<u>>60 0 0 82.38 0.00 0.00</u>	0.00

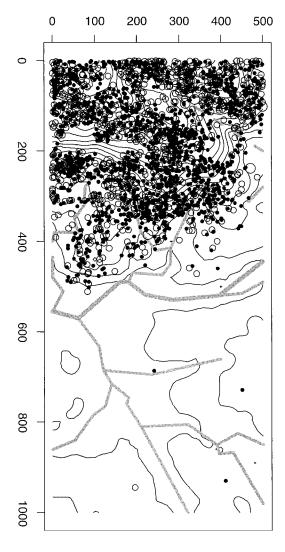
Strombosia scheffleri Engl. OLACACEAE

STSC. Medium-sized tree, rarely exceeding 25 m tall, 50 cm dbh, crown dense, medium, evergreen, often branched low. Flowers small, bisexual, drupes about 2 cm long, green (or black?), with thin granular mesocarp, animal-dispersed. *Taxonomic notes*: Distinguished from *S. zenkeri* Engl. only by the shape of the flower bud. *Det. level*: F1,G1,S2. *Distribution*: Tropical Africa, widespread. *Conservation status*: Common.

Stem count, total/50 ha = 1216, Species rank = 53

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	445	8.9	8.9	36.60	0.32
>2≤3	206	4.12	13.02	16.94	0.31
>3≤4	127	2.54	15.56	10.44	0.34
>4≤5	76	1.52	17.08	6.25	0.33
>5≤10	164	3.28	20.36	13.49	0.41
>10≤20	75	1.5	21.86	6.17	0.51
>20≤30	50	1	22.86	4.11	0.94
>30≤60	72	1.44	24.3	5.92	1.99
>60	1	0.02	24.32	0.08	0.19





STRO. Medium-sized tree, to about 25 m tall, 40 cm dbh. Flowers probably small and bisexual, fruit probably a drupe, animal-dispersed. *Taxonomic notes*: Need fertile material. *Strombosia* (and Olacaceae in general) tends to have few, widespread species in central Africa, so it is interesting to find one that is hard to match. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 2523, Species rank = 34

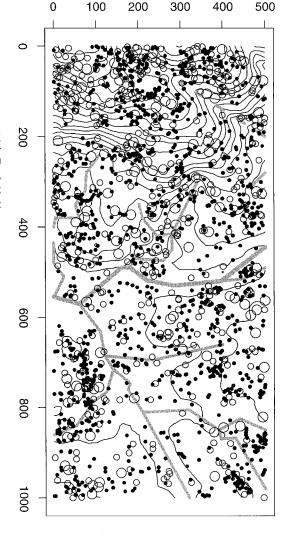
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	817	16.34	16.34	32.38	0.59
>2≤3	364	7.28	23.62	14.43	0.55
>3≤4	241	4.82	28.44	9.55	0.64
>4≤5	165	3.3	31.74	6.54	0.71
>5≤10	453	9.06	40.80	17.95	1.14
>10≤20	337	6.74	47.54	13.36	2.29
>20≤30	126	2.52	50.06	4.99	2.36
>30≤60	20	0.4	50.46	0.79	0.55
>60	0	Ö	50.46	0.00	0.00

Strombosiopsis tetrandra Engl. OLACACEAE

STTE. Medium- to large-sized tree, to 30 m tall, 1.0 m dbh, smaller in Korup, crown dense, medium-sized, evergreen. Flowers small, bisexual, 4-merous. Drupe ellipsoid, about 2 cm long, green with thin, mealy mesocarp, animal-dispersed. *Taxonomic notes*: Monospecific genus, easily distinguished by the red exudate in the slash. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea. *Conservation status*: Common.

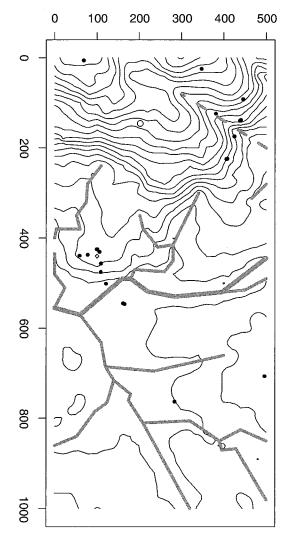
Stem count, total/50 ha = 1763, Species rank = 43

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	698	13.96	13.96	39.59	0.51
>2≤3	291	5.82	19.78	16.51	0.44
>3≤4	167	3.34	23.12	9.47	0.45
>4≤5	78	1.56	24.68	4.42	0.34
>5≤10	216	4.32	29	12.25	0.54
>10≤20	123	2.46	31.46	6.98	0.84
>20≤30	70	1.4	32.86	3.97	1.31
>30≤60	119	2.38	35.24	6.75	3.29
>60	1	0.02	35.26	0.06	0.19



Urobotrya congolana (Baill.) Hiepko OPILIACEAE

EULI. Treelet to 5 m tall. Flowers bisexual, on pendulous axillary inflorescences. Drupe yellow, ellipsoid, about 2 cm long, animal-dispersed. *Taxonomic notes*: Syn. = *Opilia congolana* Bail. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolian, from Sierra Leone to D.R. Congo. *Conservation status*: Common.



Stem count, total/50 ha = 23, Species rank = 320

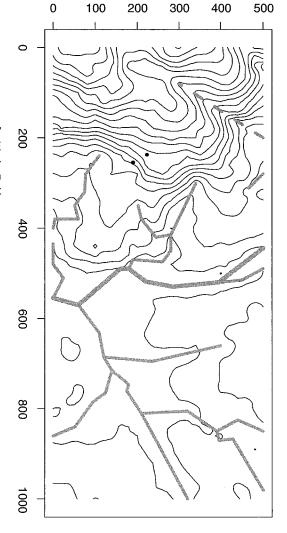
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	15	0.3	0.3	65.22	0.01
>2≤3	6	0.12	0.42	26.09	0.01
>3≤4	1	0.02	0.44	4.35	0.00
>4≤5	0	0	0.44	0.00	0.00
>5≤10	1	0.02	0.46	4.35	0.00
>10≤20	0	0	0.46	0.00	0.00
>20≤30	0	0	0.46	0.00	0.00
>30≤60	0	0	0.46	0.00	0.00
>60	0	0	0.46	0.00	0.00

Urobotrya sp. "OPIL"
OPILIACEAE

OPIL. Treelet to 2.0 m tall. Flowers probably bisexual. Fruit probably a drupe, animal-dispersed. *Taxonomic notes*: Separated from *Urobotrya congolana* (Baill.) Hiepko on the basis of smaller leaves with unequal base. *Det. level*: F1,G2,S3. *Distribution*: Not known.

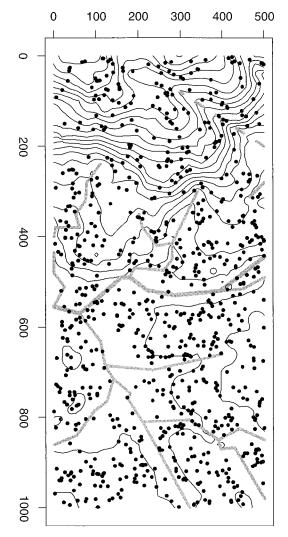
Stem count, total/50 ha = 4, Species rank = 421

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	2	0.04	0.08	50.00	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00



Microdesmis puberula Hook.f. ex Planch.

PANDACEAE



MIPU. Treelet to 7 m tall, 5 cm dbh, branches long with distichous leaves. Flowers unisexual, possibly monoecious in axillary clusters. Drupe red, more or less rounded, about 1 cm long, with very hard tuberculate endocarp, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Guineo-Congolian, from Nigeria to D. R. Congo and Uganda. *Conservation status*: Common.

Stem count, total/50 ha = 823, Species rank = 73

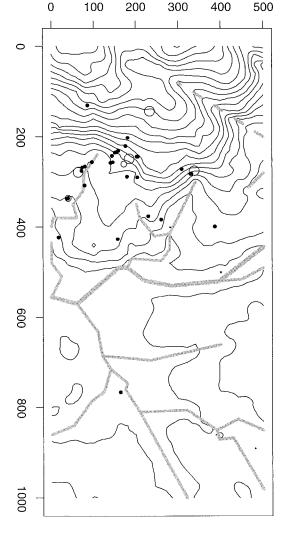
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	668	13.36	13.36	81.17	0.48
>2≤3	139	2.78	16.14	16.89	0.21
>3≤4	12	0.24	16.38	1.46	0.03
>4≤5	2	0.04	16.42	0.24	0.01
>5≤10	2	0.04	16.46	0.24	0.01
>10≤20	0	0	16.46	0.00	0.00
>20≤30	0	0	16.46	0.00	0.00
>30≤60	0	0	16.46	0.00	0.00
>60	0	0	16.46	0.00	0.00

Panda oleosa Pierre PANDACEAE

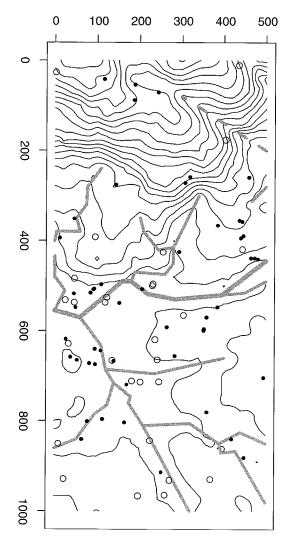
PAOL. Medium-sized tree to 20 m tall, 80 cm dbh, with a dense, medium-sized evergreen crown. Flowers unisexual, borne on the branches. Fruit rounded, 5-6 cm diameter, green with rather thin orange mesocarp and very hard, thick endocarp bearing up to three oily, flattened seeds, animal-dispersed, probably by elephants. Wood seldom used, density 0.65-0.7, bark rich in tannin, seeds are edible. *Det. level:* F1,G1,S1. *Distribution:* Guineo-Congolian. *Conservation status:* Common.

Stem count, total/50 ha = 35, Species rank = 299

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	16	0.32	0.32	45.71	0.01
>2≤3	5	0.1	0.42	14.29	0.01
>3≤4	4	0.08	0.5	11.43	0.01
>4≤5	4	0.08	0.58	11.43	0.02
>5≤10	2	0.04	0.62	5.71	0.01
>10≤20	0	0	0.62	0.00	0.00
>20≤30	0	0	0.62	0.00	0.00
>30≤60	1	0.02	0.64	2.86	0.03
>60	3	0.06	0.7	8.57	0.57



Barteria fistulosa Mast. PASSIFLORACEAE



BAFI. Small tree to 12 m tall, 20 cm dbh, branchlets resembling compound leaves, hollow throughout, inhabited by large stinging ants. Flowers large, white, bisexual. Fruit a yellow berry, animal-dispersed. *Det. level:* F1,G1,S1. *Distribution*: Guineo-Congolian, from Nigeria to D. R. Congo and Uganda. *Conservation status*: Common.

Stem count, total/50 ha = 79, Species rank = 232

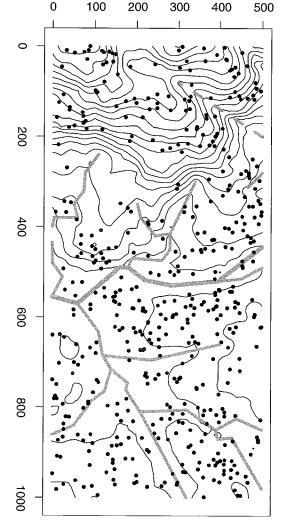
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	43	0.86	0.86	54.43	0.03
>2≤3	3	0.06	0.92	3.80	0.00
>3≤4	3	0.06	0.98	3.80	0.01
>4≤5	2	0.04	1.02	2.53	0.01
>5≤10	11	0.22	1.24	13.92	0.03
>10≤20	17	0.34	1.58	21.52	0.12
>20≤30	0	0	1.58	0.00	0.00
>30≤60	0	0	1.58	0.00	0.00
>60	0	0	1.58	0.00	0.00

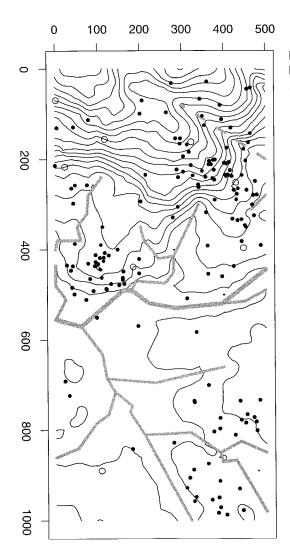
Carpolobia lutea G.Don POLYGALACEAE

CALU. Treelet to 3 m tall. Flowers bisexual, in pendulous racemes. Mature fruits yellow, about 1.5 cm long, animal-dispersed. Fruits edible. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, from Guinea to Cameroon. *Conservation status*: Common.

Stem count, total/50 ha = 485, Species rank = 106

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	359	7.18	7.18	74.02	0.26
>2≤3	110	2.2	9.38	22.68	0.17
>3≤4	16	0.32	9.7	3.30	0.04
>4≤5	0	0	9.7	0.00	0.00
>5≤10	0	0	9.7	0.00	0.00
>10≤20	0	0	9.7	0.00	0.00
>20≤30	0	0	9.7	0.00	0.00
>30≤60	0	0	9.7	0.00	0.00
>60	00	0	9.7	0.00	0.00





LASI. Treelet to 4 m tall or more. *Taxonomic notes*: Sterile material separated on the basis of the stipulate, opposite leaves, with crenulate margin. *Det. level:* F2,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 164, Species rank = 179

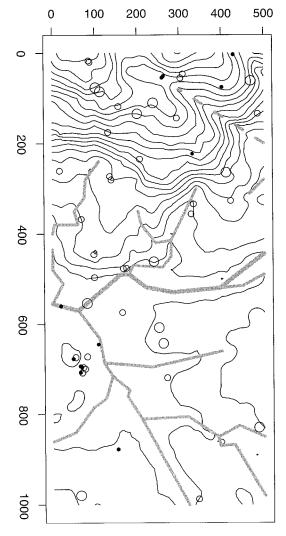
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	107	2.14	2.14	65.24	0.08
>2≤3	33	0.66	2.8	20.12	0.05
>3≤4	9	0.18	2.98	5.49	0.02
>4≤5	7	0.14	3.12	4.27	0.03
>5≤10	8	0.16	3.28	4.88	0.02
>10≤20	0	0	3.28	0.00	0.00
>20≤30	0	0	3.28	0.00	0.00
>30≤60	0	0	3.28	0.00	0.00
>60	0	0	3.28	0.00	0.00

Maesopsis eminii Engl. RHAMNACEAE

MAEM. Tree to 30 m tall, 80 cm dbh, common in drier and disturbed forests, slash with a strong odor. Crown medium-sized, briefly deciduous. Flowers bisexual in cymose inflorescences. Drupe about 3 cm long, red, eventually turning blackish, nut very hard, animal-dispersed. Trade name: *musizi*, timber sometimes exploited, soft, density 0.35-0.5. The bark is used medicinally. *Det. level*: F1,G1,S1. *Distribution*: Widespread in tropical Africa. *Conservation status*: Common.

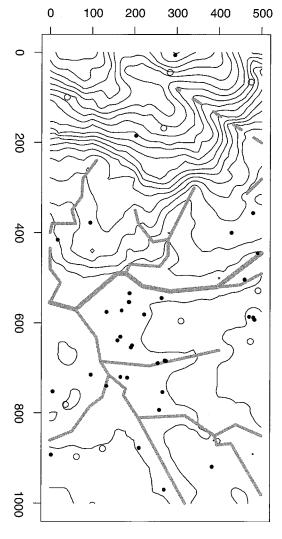
Stem count, total/50 ha = 52, Species rank = 269

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	11.54	0.00
>2≤3	1	0.02	0.14	1.92	0.00
>3≤4	1	0.02	0.16	1.92	0.00
>4≤5	4	0.08	0.24	7.69	0.02
>5≤10	10	0.2	0.44	19.23	0.03
>10≤20	9	0.18	0.62	17.31	0.06
>20≤30	9	0.18	0.8	17.31	0.17
>30≤60	12	0.24	1.04	23.08	0.33
>60	0	0	1.04	0.00	0.00



Cassipourea sp. "RUDR" RHIZOPHORACEAE

RUDR. Medium-sized tree to 10 m tall and 30 cm dbh. Flowers white. Fruits with a long pedicel, c. 2 cm, about 1 cm diameter and 0.5 cm high, with a remain of style, animal-dispersed. *Taxonomic notes*: Fruiting material and leaves of this species have not yet been matched, this may be a new species. *Det. level*: F1,G1,S3. *Distribution*: Not known.



Stem count, total/50 ha = 47, Species rank = 276

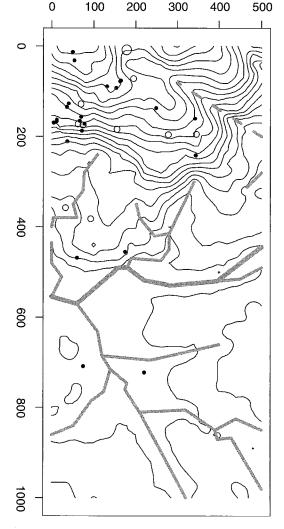
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	27	0.54	0.54	57.45	0.02
>2≤3	4	0.08	0.62	8.51	0.01
>3≤4	5	0.1	0.72	10.64	0.01
>4≤5	1	0.02	0.74	2.13	0.00
>5≤10	5	0.1	0.84	10.64	0.01
>10≤20	4	0.08	0.92	8.51	0.03
>20≤30	1	0.02	0.94	2.13	0.02
>30≤60	0	0	0.94	0.00	0.00
>60	0	0	0.94	0.00	0.00

Aidia genipiflora (DC.) Dandy RUBIACEAE

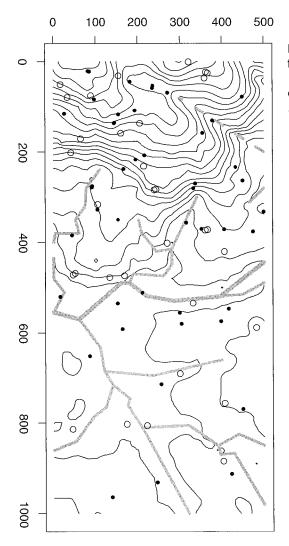
RUBT2. Small tree of 10 – 25 m tall, flowers bisexual white, turning yellow fragrant, fruits rounded, crowned by persistent calyx, 1-2 cm diameter, animal-dispersed. *Taxonomic notes*: Fertile material matched with herbarium specimens. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, also in Sudan. *Conservation status*: Common.

Stem count, total/50 ha = 33, Species rank = 301

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	27.27	0.01
>2≤3	9	0.18	0.36	27.27	0.01
>3≤4	4	0.08	0.44	12.12	0.01
>4≤5	1	0.02	0.46	3.03	0.00
>5≤10	3	0.06	0.52	9.09	0.01
>10≤20	6	0.12	0.64	18.18	0.04
>20≤30	0	0	0.64	0.00	0.00
>30≤60	1	0.02	0.66	3.03	0.03
>60	0	0	0.66	0.00	0.00



Aoranthe cladantha (K.Schum.) Somers RUBIACEAE



POCL. Small pioneer tree to 25 m tall and 60 cm dbh, flowers white, bisexual, mature fruits yellow, elliptic, 2.5 cm long with persistent cupular calyx, animal-dispersed. *Taxonomic notes*: Only one species in the plot. Fertile specimens identified by the elliptic fruit and by the glabrous upper surface of the leaf. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 79, Species rank = 234

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	23	0.46	0.46	29.11	0.02
>2≤3	11	0.22	0.68	13.92	0.02
>3≤4	8	0.16	0.84	10.13	0.02
>4≤5	5	0.1	0.94	6.33	0.02
>5≤10	12	0.24	1.18	15.19	0.03
>10≤20	15	0.3	1.48	18.99	0.10
>20≤30	5	0.1	1.58	6.33	0.09
>30≤60	0	0	1.58	0.00	0.00
>60	0	0	1.58	0.00	0.00

0

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200

300

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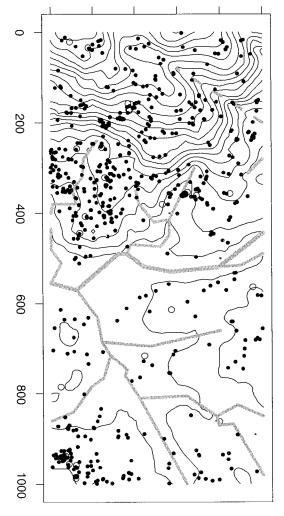
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Aulacocalyx caudata (Hiern) Keay RUBIACEAE

ROT2: Small tree, to 4 m tall. Leaves, dark green with clearly unequal and obtuse to cordate base. Inflorescence mostly with single flower. Flowers bisexual, white. Fruits pyriform, green, 12-16 mm diameter. *Taxonomic notes*: This species is distinctive from the others in the plot by the obtuse to cordate base of the limb, more or less unequal. Fertile specimens separated on the basis of the subulate calyx lobes. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea forest endemic, Nigeria to Gabon. *Conservation status*: Rare=3.

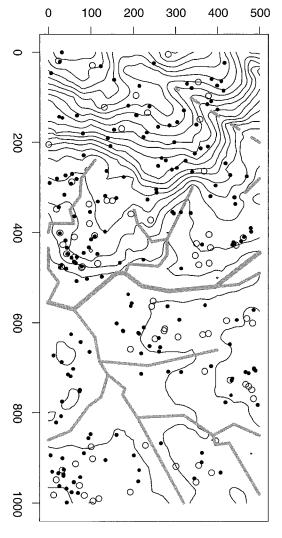
Stem count, total/50 ha = 631, Species rank = 92

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	308	6.16	6.16	48.89	0.22
>2≤3	162	3.24	9.4	25.71	0.24
>3≤4	82	1.64	11.04	13.02	0.22
>4≤5	54	1.08	12.12	8.57	0.23
>5≤10	24	0.48	12.6	3.81	0.06
>10≤20	0	0	12.6	0.00	0.00
>20≤30	0	0	12.6	0.00	0.00
>30≤60	0	0	12.6	0.00	0.00
>60	0	0	12.6	0.00	0.00



Aulacocalyx jasminiflora Hook. f. RUBIACEAE

AUCA. Treelet to 6 m tall and 10-15 cm dbh. Inflorescence 3-10 flowered, flowers bisexual, fruits rounded with persistent calyx lobes, 10-12 mm diameter. *Taxonomic notes*: Vegetative material close to *Aulacocalyx talbotii*, but with smaller-sized leaves and distinctive close tertiary venation. Fertile material identified separated on the basis of the pubescent calyx tube and matched with herbarium specimens. We have not yet identified to which variety the KFDP specimens belong. *Det. level*: F1,G1,S1. *Distribution*: Widespread, Upper and Lower Guinea, Congo Basin. *Conservation status*: Common.



Stem count, total/50 ha = 258, Species rank = 139

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	83	1.66	1.66	32.30	0.06
>2≤3	46	0.92	2.58	17.90	0.07
>3≤4	30	0.6	3.18	11.67	0.08
>4≤5	26	0.52	3.7	10.12	0.11
>5≤10	63	1.26	4.96	24.51	0.16
>10≤20	9	0.18	5.14	3.50	0.06
>20≤30	0	0	5.14	0.00	0.00
>30≤60	0	0	5.14	0.00	0.00
>60	0	0	5.14	0.00	0.00

0

100

200

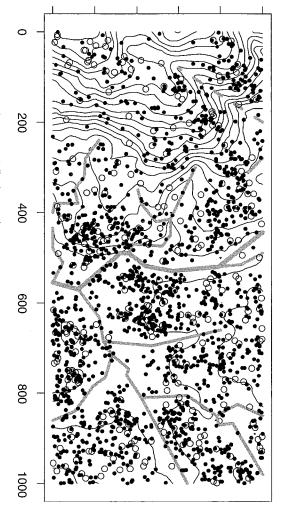
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Aulacocalyx talbotii (Wernham) Keay RUBIACEAE

AUTA. Small tree to 15 m tall and 20 cm dbh, Leaves glabrous and sub-coriaceous. Flowers cream-colored, with a long corolla tube, splitting longitudinally. Mature fruits yellowish, rounded, about 1 cm diameter. *Taxonomic notes*: Leaves close to those of *Aulacocalyx jasminiflora*, but more larger, sub-coriaceous and with laxer tertiary venation. Fertile material separated easily on the basis of the split corolla tube and matched with herbarium specimens. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, Nigeria to Gabon. *Conservation status*: Rare=3.

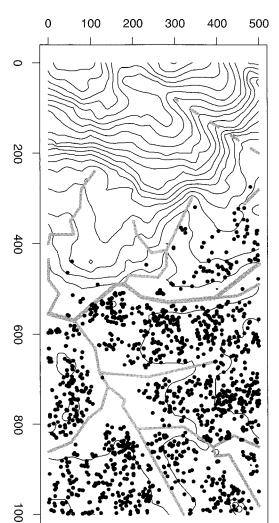
Stem count, total/50 ha = 1846, Species rank = 41

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	803	16.06	16.06	43.50	0.58
>2≤3	348	6.96	23.02	18.85	0.52
>3≤4	238	4.76	27.78	12.89	0.63
>4≤5	179	3.58	31.36	9.70	0.77
>5≤10	235	4.7	36.06	12.73	0.59
>10≤20	40	0.8	36.86	2.17	0.27
>20≤30	3	0.06	36.92	0.16	0.06
>30≤60	0	0	36.92	0.00	0.00
>60	0	00	36.92	0.00	0.00



500

400



BELI. Small tree to 4 m tall, bark flaky, leaves mostly elliptic, abruptly acuminate at apex. Flowers white, axillary, matured fruits green, probably animal-dispersed. *Taxonomic notes*: Most rare and most poorly know species of the genus. Sterile material separated from the closely related *B. werhnamii* on the basis of the broadly ovate stipules. *Det. level*: F1,G1,S1. *Distribution*: Narrow endemic, from SE Nigeria to SW Cameroon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 1466, Species rank = 45

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	974	19.48	19.48	66.44	0.71
>2≤3	356	7.12	26.6	24.28	0.54
>3≤4	112	2.24	28.84	7.64	0.30
>4≤5	21	0.42	29.26	1.43	0.09
>5≤10	3	0.06	29.32	0.20	0.01
>10≤20	0	0	29.32	0.00	0.00
>20≤30	0	0	29.32	0.00	0.00
>30≤60	0	0	29.32	0.00	0.00
>60	0	0	29.32	0.00	0.00

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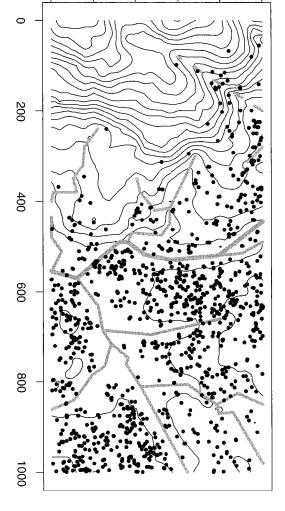
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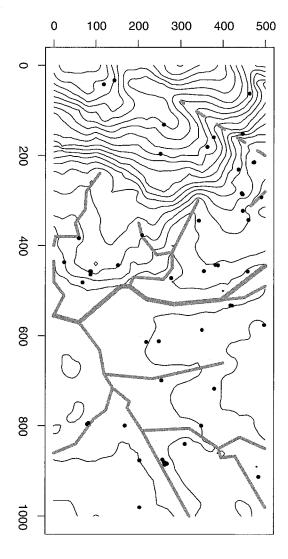
Belonophora werhnamii Hutch. & Dalziel RUBIACEAE

BEWE. Treelet to 2.5 m tall, leaves gradually long-acuminate at apex and pouched-auriculate at base. Flowers white, bisexual, fruits green at maturity animal-dispersed. *Taxonomic notes*: Vegetative material of this species easily identified by its leaves, gradually narrowed to the markedly pouched, auriculate base, and its lanceolate and long-acuminate stipules. *Det. level*: F1,G1,S1. *Distribution*: Narrow endemic, from SE Nigeria and SW Cameroon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 1080, Species rank = 59

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	966	19.32	19.32	89.44	0.70
>2≤3	106	2.12	21.44	9.81	0.16
>3≤4	8	0.16	21.6	0.74	0.02
>4≤5	0	0	21.6	0.00	0.00
>5≤10	0	0	21.6	0.00	0.00
>10≤20	0	0	21.6	0.00	0.00
>20≤30	0	0	21.6	0.00	0.00
>30≤60	0	0	21.6	0.00	0.00
>60	0	0	21.6	0.00	0.00





BELA. Treelet of 1-2 m tall, remarkable with its large stipules and the glabrous upper surface of the lamina, flowers bisexual on pendulous inflorescence, mature fruits blue to bright violet, probably dispersed by birds. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic: Nigeria to Gabon, and Malabo. *Conservation status*: Common.

Stem count, total/50 ha = 54, Species rank = 266

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	54	1.08	1.08	100.00	0.04
>2≤3	0	0	1.08	0.00	0.00
>3≤4	0	0	1.08	0.00	0.00
>4≤5	0	0	1.08	0.00	0.00
>5≤10	0	0	1.08	0.00	0.00
>10≤20	0	0	1.08	0.00	0.00
>20≤30	0	0	1.08	0.00	0.00
>30≤60	0	0	1.08	0.00	0.00
>60	0	0	1.08	0.00	0.00

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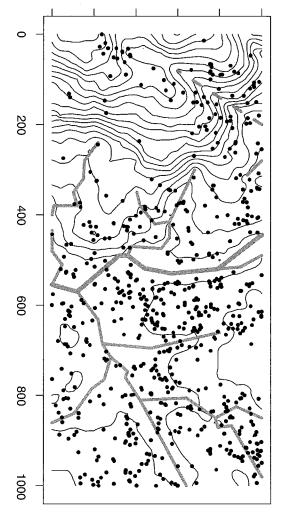
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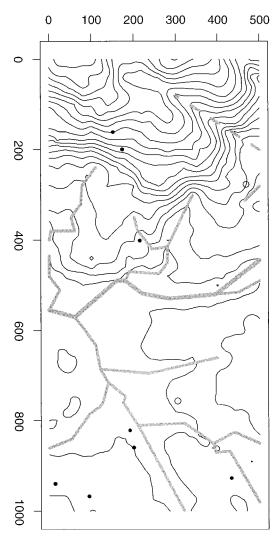
Bertiera racemosa (G. Don) K. Schum. RUBIACEAE

RUB5. Sparingly-branched treelet with long branches, to 4 m tall, leaf base cordate, flowers with white corolla, bisexual, fruits green, about 1 cm diameter, animal-dispersed. *Taxonomic notes*: This species has three varieties and is easily recognized by the large stipules and large discolor leaves, more verification needed to determine the variety. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 671, Species rank = 88

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	608	12.16	12.16	90.61	0.44
>2≤3	56	1.12	13.28	8.35	0.08
>3≤4	7	0.14	13.42	1.04	0.02
>4≤5	0	0	13.42	0.00	0.00
>5≤10	0	0	13.42	0.00	0.00
>10≤20	0	0	13.42	0.00	0.00
>20≤30	0	0	13.42	0.00	0.00
>30≤60	0	0	13.42	0.00	0.00
>60	0	0	13.42	0.00	0.00





OPLA. Large tree of 30-35 m tall and 60-80 cm dbh, vegetative parts entirely glabrous, with large leaves up to 45 cm long. Flowers on terminal inflorescences, bisexual. Mature fruits large, green, spherical, to 7.5 cm diameter, with up to 170 seeds, animal-dispersed. Ground seeds used as fish-poison, wood has local uses, including crossbows. *Taxonomic notes*: Leaves on saplings resemble *Anthocleista schweinfurthii*, but have stipules. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic: Nigeria to Gabon and Congo. *Conservation status*: Common.

Stem count, total/50 ha = 10, Species rank = 376

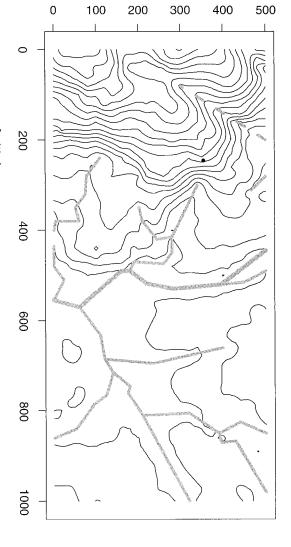
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	60.00	0.00
>2≤3	2	0.04	0.16	20.00	0.00
>3≤4	0	0	0.16	0.00	0.00
>4≤5	0	0	0.16	0.00	0.00
>5≤10	2	0.04	0.2	20.00	0.01
>10≤20	0	0	0.2	0.00	0.00
>20≤30	0	0	0.2	0.00	0.00
>30≤60	0	0	0.2	0.00	0.00
>60	0	0	0.2	0.00	0.00

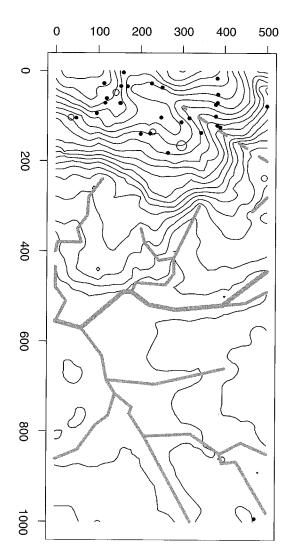
Canthium sp. "CABL" RUBIACEAE

CABL. Small tree or sapling, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00





CAN4. Small- or medium-sized tree, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 33, Species rank = 301

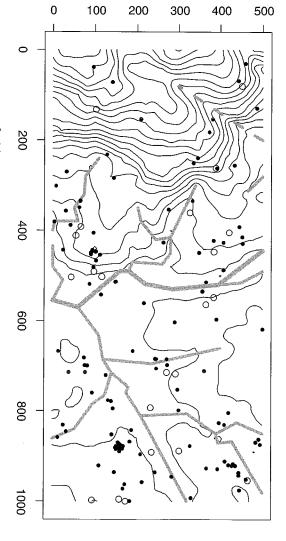
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	14	0.28	0.28	42.42	0.01
>2≤3	5	0.1	0.38	15.15	0.01
>3≤4	7	0.14	0.52	21.21	0.02
>4≤5	2	0.04	0.56	6.06	0.01
>5≤10	4	0.08	0.64	12.12	0.01
>10≤20	0	0	0.64	0.00	0.00
>20≤30	0	0	0.64	0.00	0.00
>30≤60	1	0.02	0.66	3.03	0.03
>60	0	0	0.66	0.00	0.00

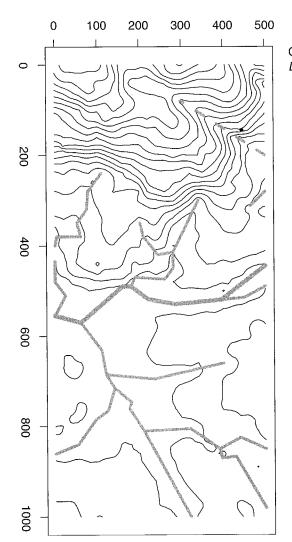
Canthium sp. "CANI" RUBIACEAE

CANI. Small tree, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 145, Species rank = 188

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	86	1.72	1.72	59.31	0.06
>2≤3	19	0.38	2.1	13.10	0.03
>3≤4	9	0.18	2.28	6.21	0.02
>4≤5	9	0.18	2.46	6.21	0.04
>5≤10	17	0.34	2.8	11.72	0.04
>10≤20	4	0.08	2.88	2.76	0.03
>20≤30	1	0.02	2.9	0.69	0.02
>30≤60	0	0	2.9	0.00	0.00
>60	0	0	2.9	0.00	0.00





COSS. Probably a treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1, G2, S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

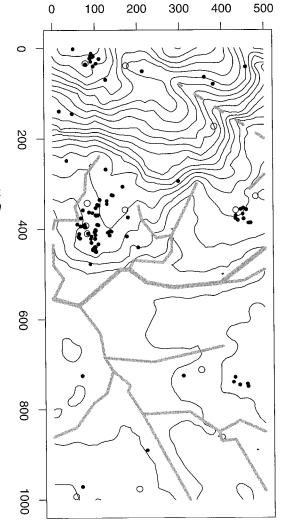
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Calycosiphonia spathicalyx (K. Schum.) Robbr. RUBIACEAE

BEL2. Small tree to 8 m tall, flowers white, bisexual, fruits green, animal-dispersed. *Taxonomic notes*: Sterile, the leaves of this species are close to those of *Belonophora*. Fertile specimens separated on the basis of the corolla tube split down one side at anthesis. *Det. level*: F1,G1,S1. *Distribution*: Widespread in tropical Africa. *Conservation status*: Common.

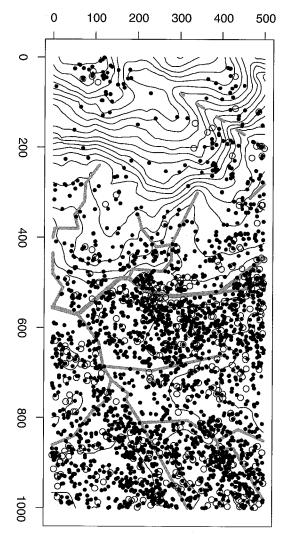
Stem count, total/50 ha = 112, Species rank = 205

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	41.96	0.03
>2≤3	28	0.56	1.5	25.00	0.04
>3≤4	10	0.2	1.7	8.93	0.03
>4≤5	15	0.3	2	13.39	0.06
>5≤10	11	0.22	2.22	9.82	0.03
>10≤20	1	0.02	2.24	0.89	0.01
>20≤30	0	0	2.24	0.00	0.00
>30≤60	0	0	2.24	0.00	0.00
>60	0	0	2.24	0.00	0.00



Craterispermum aristatum Wernham RUBIACEAE

CRAR. Small tree, rarely exceeding 8 m tall and 10 cm dbh. Flowers bisexual, in sessile axillary inflorescences, fruits bluish, animal-dispersed. *Taxonomic notes*: Vegetative material separated on the basis of the broadly oblong-elliptic leaves with blue veins on the lower surface. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, Southern Nigeria and SW Cameroon. *Conservation status*: Rare=2.



Stem count, total/50 ha = 2625, Species rank = 33

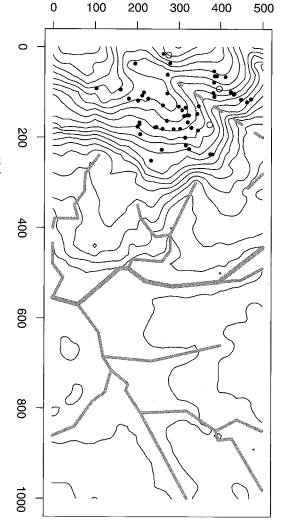
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1125	22.5	22.5	42.86	0.82
>2≤3	546	10.92	33.42	20.80	0.82
>3≤4	340	6.8	40.22	12.95	0.91
>4≤5	227	4.54	44.76	8.65	0.98
>5≤10	365	7.3	52.06	13.90	0.92
>10≤20	22	0.44	52.5	0.84	0.15
>20≤30	0	0	52.5	0.00	0.00
>30≤60	0	0	52.5	0.00	0.00
>60	00	0	52.5	0.00	0.00

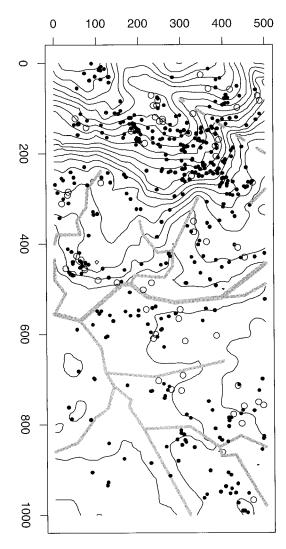
Craterispermum caudatum Hutch. RUBIACEAE

RUGA. Small tree to 15 m tall, flowers bisexual, fruits small, blue at maturity. Bark scrapings consumed fresh as aphrodisiac. *Taxonomic notes*: Separated from the other species of the genus on the basis of the small-sized leaves and the small bracts. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 59, Species rank = 250

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	37	0.74	0.74	62.71	0.03
>2≤3	10	0.2	0.94	16.95	0.02
>3≤4	4	0.08	1.02	6.78	0.01
>4≤5	5	0.1	1.12	8.47	0.02
>5≤10	3	0.06	1.18	5.08	0.01
>10≤20	0	0	1.18	0.00	0.00
>20≤30	0	0	1.18	0.00	0.00
>30≤60	0	0	1.18	0.00	0.00
>60	0	0	1.18	0.00	0.00





RUBT. Small tree to about 15 cm dbh, 10 m tall. Flowers bisexual, fruits animal-dispersed. *Det. level*: F1, G2, S. *Distribution*: Not known.

Stem count, total/50 ha = 470, Species rank = 110

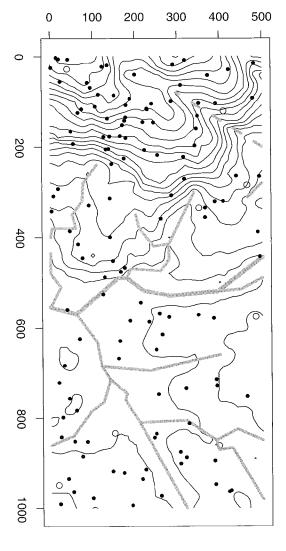
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	236	4.72	4.72	50.21	0.17
>2≤3	92	1.84	6.56	19.57	0.14
>3≤4	47	0.94	7.5	10.00	0.13
>4≤5	32	0.64	8.14	6.81	0.14
>5≤10	55	1.1	9.24	11.70	0.14
>10≤20	8	0.16	9.4	1.70	0.05
>20≤30	0	0	9.4	0.00	0.00
>30≤60	0	0	9.4	0.00	0.00
>60	0	0	9.4	0.00	0.00

Euclinia longiflora Salisb. RUBIACEAE

EULO. Small, shrubby tree with leaves clustered at the branch tips. Flowers bisexual with long corolla tube, probably pollinated by bats or sphingid moths, fruits animal-dispersed. *Taxonomic notes*: This species coexists in Cameroon with second species, *E. squamifera*, but the corolla tube is diagnostic. Fertile specimens collected from the plot were keyed out and matched at YA and MO. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

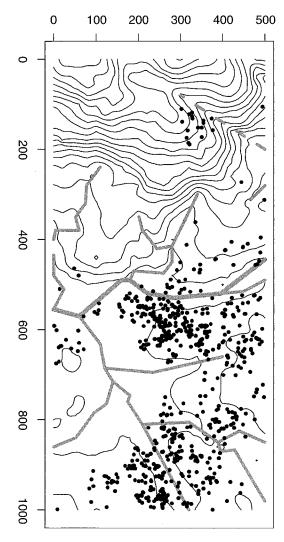
Stem count, total/50 ha = 131, Species rank = 197

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	62	1.24	1.24	47.33	0.04
>2≤3	27	0.54	1.78	20.61	0.04
>3≤4	18	0.36	2.14	13.74	0.05
>4≤5	17	0.34	2.48	12.98	0.07
>5≤10	7	0.14	2.62	5.34	0.02
>10≤20	0	0	2.62	0.00	0.00
>20≤30	0	0	2.62	0.00	0.00
>30≤60	0	0	2.62	0.00	0.00
>60	0	0	2.62	0.00	0.00



Gaertnera bieleri (De Wild.) Petit RUBIACEAE

GABI. Treelet to 4 m tall, flowers white, bisexual, fruits bluish, animal-dispersed. *Taxonomic notes*: Vegetative specimens distinguished on the basis of their sheathing stipules, and the puberulous young branchlets, stipules and lower leaf surface. *Det. level*: F1,G1,S1. *Distribution*: Secondary and swampy forest from Cameroon to DRC. *Conservation status*: Common.



Stem count, total/50 ha = 713, Species rank = 82

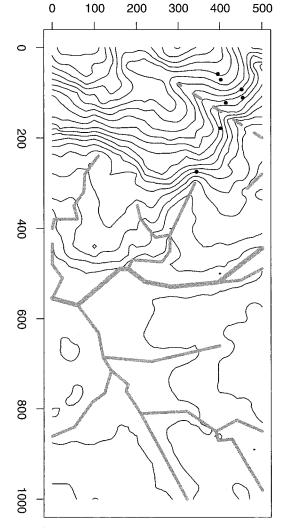
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	590	11.8	11.8	82.75	0.43
>2≤3	109	2.18	13.98	15.29	0.16
>3≤4	14	0.28	14.26	1.96	0.04
>4≤5	0	0	14.26	0.00	0.00
>5≤10	0	0	14.26	0.00	0.00
>10≤20	0	0	14.26	0.00	0.00
>20≤30	0	0	14.26	0.00	0.00
>30≤60	0	0	14.26	0.00	0.00
>60	0	0	14.26	0.00	0.00

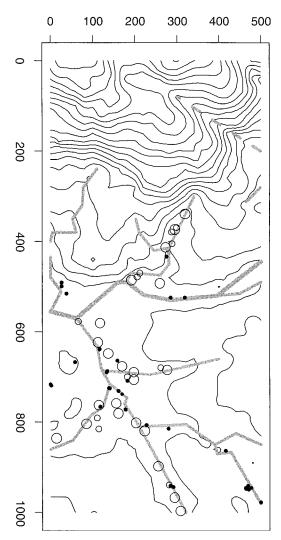
Gaertnera sp.
RUBIACEAE

GAET. Treelet to 3 m tall, flowers white, in terminal inflorescence. Fruits not known, probably animal-dispersed. *Taxonomic notes*: Distinctive because of the larger leaves, species name to be determined. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 7, Species rank = 396

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	85.71	0.00
>2≤3	1	0.02	0.14	14.29	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	0	0	0.14	0.00	0.00
>10≤20	0	0	0.14	0.00	0.00
>20≤30	0	0	0.14	0.00	0.00
>30≤60	0	0	0.14	0.00	0.00
>60	0	0	0.14	0.00	0.00





MICI . Large tree to 35 m tall, with straight bole and flat-topped crown, mostly found in swampy areas. Inflorescence terminal in heads, flowers bisexual, fruits fusiform, about 8 mm long. *Taxonomic notes*: Sterile specimens distinguished by the hairy domatia on the intersection between secondary veins and midrib. Fertile material separated on the basis of the ciliate margins of the calyx lobes. Commercial name "bahia", heavy timber is exploited. Synonyms *Hallea ciliata* (Aubr. & Pellegr.) Leroy, *Mitragyna ciliata* Aubr. & Pellegr. *Det. level*: F1,G1,S1. *Distribution*: Forest species in Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 69, Species rank = 250

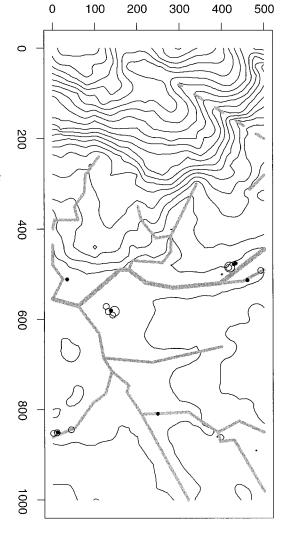
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	21	0.42	0.42	30.43	0.02
>2≤3	9	0.18	0.6	13.04	0.01
>3≤4	3	0.06	0.66	4.35	0.01
>4≤5	3	0.06	0.72	4.35	0.01
>5≤10	5	0.1	0.82	7.25	0.01
>10≤20	2	0.04	0.86	2.90	0.01
>20≤30	4	0.08	0.94	5.80	0.07
>30≤60	15	0.3	1.24	21.74	0.41
>60	7	0.14	1.38	10.14	1.33

Hallea sp. "RUBM" RUBIACEAE

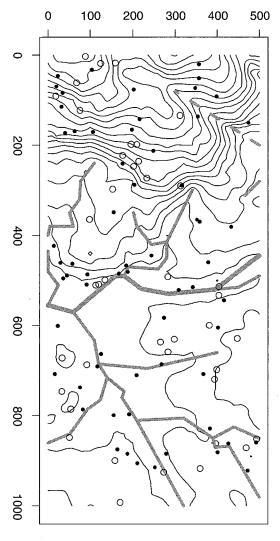
RUBM. Large tree to 30 m tall, leaves with prominent pink midrib. *Taxonomic notes*: Probably another species of *Hallea*, usually riparian, found in association with *Hallea ledermannii*. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 17, Species rank = 344

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	23.53	0.003
>2≤3	1	0.02	0.1	5.88	0.002
>3≤4	0	0	0.1	0.00	0.00
>4≤5	2	0.04	0.14	11.76	0.01
>5≤10	4	0.08	0.22	23.53	0.01
>10≤20	3	0.06	0.28	17.65	0.02
>20≤30	1	0.02	0.3	5.88	0.02
>30≤60	2	0.04	0.34	11.76	0.06
>60	0	0	0.34	0.00	0.00



Heinsia crinita (Afzel.) G.Taylor RUBIACEAE



HECR. Shrub or small tree to 6 m tall, with dense crown. Flowers bisexual, white, with foliaceous calyx, fruits fleshy, globose, up to 1.5 cm diameter, yellow at maturity, with persistent and acrescent calyx lobes, animal-dispersed. Leaves sometimes used as a vegetable/flavoring called *atama* (name probably originating in SE Nigeria). *Taxonomic notes*: Sterile specimens of this species are remarkable because of the 4 pubescent stipules paired at their base. Two varieties have been described, ours not yet assigned to var. *Det. level*: F1, G1, S1. *Distribution*: Widespread species, from Guinea to Angola through Congo and Central African Republic. *Conservation status*: Common.

Stem count, total/50 ha = 103, Species rank = 213

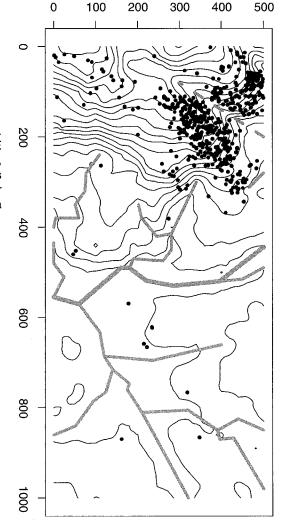
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	34	0.68	0.68	33.01	0.02
>2≤3	15	0.3	0.98	14.56	0.02
>3≤4	7	0.14	1.12	6.80	0.02
>4≤5	7	0.14	1.26	6.80	0.03
>5≤10	27	0.54	1.8	26.21	0.07
>10≤20	13	0.26	2.06	12.62	0.09
>20≤30	0	0	2.06	0.00	0.00
>30≤60	0	0	2.06	0.00	0.00
>60	0	0	2.06	0.00	0.00

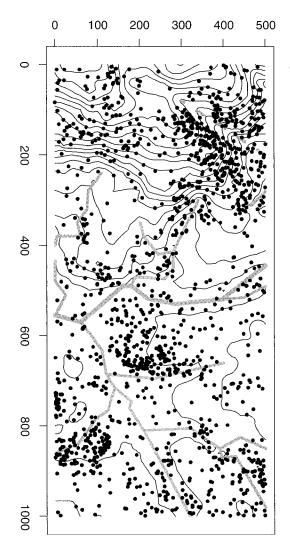
Ixora hippoperifera Bremek. RUBIACEAE

IXHI. Treelet to 2 m tall, with white bisexual flowers. Fruits dark-red when mature, animal-dispersed. *Taxonomic notes*: Vegetative material identified by the conspicuous pouches on the either side of the leaf base. Fertile material distinguished by their sessile flowers. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea endemic, in Nigeria and Cameroon. *Conservation status*: Rare=2.

Stem count, total/50 ha = 551, Species rank = 100

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	448	8.96	8.96	81.31	0.32
>2≤3	86	1.72	10.68	15.61	0.13
>3≤4	17	0.34	11.02	3.09	0.05
>4≤5	0	0	11.02	0.00	0.00
>5≤10	0	0	11.02	0.00	0.00
>10≤20	0	0	11.02	0.00	0.00
>20≤30	0	0	11.02	0.00	0.00
>30≤60	0	0	11.02	0.00	0.00
>60	0	0	11.02	0.00	0.00





RUBI. Treelet to 1.5 m tall, flowers pink, bisexual, fruits pink at maturity, animal-dispersed. *Taxonomic notes*: Fertile material matched with herbarium specimens. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea endemic, in Nigeria and Cameroon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 1446, Species rank = 46

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1168	23.36	23.36	80.77	0.85
>2≤3	234	4.68	28.04	16.18	0.35
>3≤4	41	0.82	28.86	2.84	0.11
>4≤5	3	0.06	28.92	0.21	0.01
>5≤10	0	0	28.92	0.00	0.00
>10≤20	0	0	28.92	0.00	0.00
>20≤30	0	0	28.92	0.00	0.00
>30≤60	0	0	28.92	0.00	0.00
>60	0	0	28.92	0.00	0.00

100

200

300

400

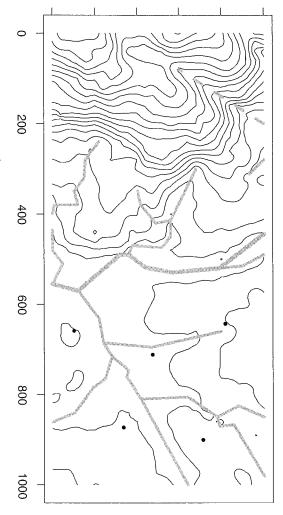
500

Lasianthus batangensis K.Schum. RUBIACEAE

LABA. Treelet, 0.5 to 1.8 m tall, flowers blue or white, bisexual, congested in leaf axis. Fruits small, pale blue, animal-dispersed. *Taxonomic notes*: Separated from *Lasianthus repens* on the basis of the erect habit, and midrib pilose on both surface. *Det. level*: F1, G1, S1. *Distribution*: Upper and Lower Guinea, from Senegal to Cameroon, and extends to Angola. *Conservation status*: Common.

Stem count, total/50 ha = 5, Species rank = 414

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	100.00	0.00
>2≤3	0	0	0.1	0.00	0.00
>3≤4	0	0	0.1	0.00	0.00
>4≤5	0	0	0.1	0.00	0.00
>5≤10	0	0	0.1	0.00	0.00
>10≤20	0	0	0.1	0.00	0.00
>20≤30	0	0	0.1	0.00	0.00
>30≤60	0	0	0.1	0.00	0.00
>60	0	0	0.1	0.00	0.00

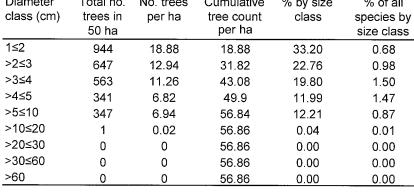


Massularia acuminata (G.Don) Bullock ex Hoyle RUBIACEAE

MAAC. Treelet of 2-4 tall, flowers small, bisexual with red corolla, mature fruits yellow, ovoid, about 10 x 6 cm, animal-dispersed. Wood hard, used for tool handles, fruits poisonous, used as fish poison, bark used as aphrodisiac in Gabon. Taxonomic notes: Monotypic genus. Det. level: F1, G1, S1. Distribution: Widespread, from Guinea to Gabon and Congo. Conservation status: Common. 200

Stem count, total/50 ha = 2843, Species rank = 32

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	944	18.88	18.88	33.20	0.68
>2≤3	647	12.94	31.82	22.76	0.98
>3≤4	563	11.26	43.08	19.80	1.50
>4≤5	341	6.82	49.9	11.99	1.47
>5≤10	347	6.94	56.84	12.21	0.87
>10≤20	1	0.02	56.86	0.04	0.01
>20≤30	0	0	56.86	0.00	0.00
>30≤60	0	0	56.86	0.00	0.00
>60	0	0	56.86	0.00	0.00



Morelia senegalensis A.Rich. **RUBIACEAE**

RUDO. Small tree to 10 m tall, often shrubby. Common in forest galleries in savanna, rare in evergreen forest. Flowers bisexual, white, fruits about 1.5 cm diameter, crowned by a short calyx, animal-dispersed. Taxonomic notes: Vegetative material recognized on the basis of small domatia on the lower surface of the leaf. Det. level: F1, G1, S1. Distribution: Upper and Lower Guinea. Conservation status: Common.

0

400

1000

100

200

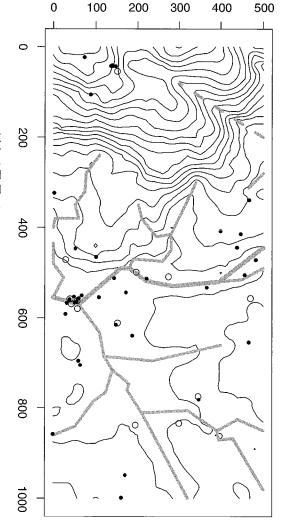
300

400

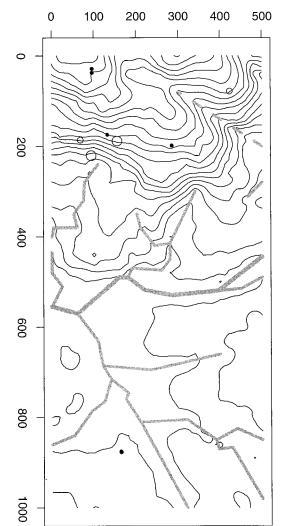
500

Stem count, total/50 ha = 54, Species rank = 266

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	26	0.52	0.52	48.15	0.02
>2≤3	6	0.12	0.64	11.11	0.01
>3≤4	7	0.14	0.78	12.96	0.02
>4≤5	2	0.04	0.82	3.70	0.01
>5≤10	5	0.1	0.92	9.26	0.01
>10≤20	5	0.1	1.02	9.26	0.03
>20≤30	3	0.06	1.08	5.56	0.06
>30≤60	0	0	1.08	0.00	0.00
>60	0	0	1.08	0.00	0.00



Morinda lucida Benth. RUBIACEAE



MOLU. Medium-sized tree to 25 m tall, 50 cm dbh, common in secondary forest. Flowers white, bisexual, in small globose heads with united ovaries, false fruits fleshy, yellow, animal-dispersed. Bark used medicinally. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, also in Congo basin. *Conservation status*: Common.

Stem count, total/50 ha = 10, Species rank = 373

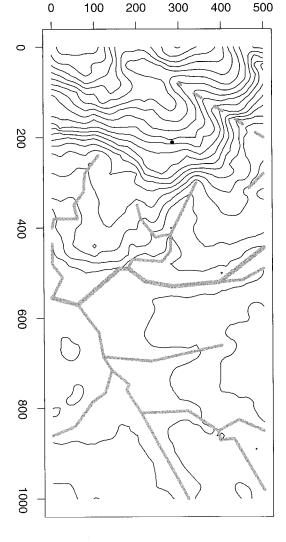
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	30.00	0.00
>2≤3	2	0.04	0.1	20.00	0.00
>3≤4	1	0.02	0.12	10.00	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	0	0	0.12	0.00	0.00
>10≤20	2	0.04	0.16	20.00	0.01
>20≤30	0	0	0.16	0.00	0.00
>30≤60	2	0.04	0.2	20.00	0.06
>60	0	0	0.2	0.00	0.00

Mussaenda sp. "musa" RUBIACEAE

MUSA. Treelet. Det. level: F1,G2,S3. Distribution: Not known.

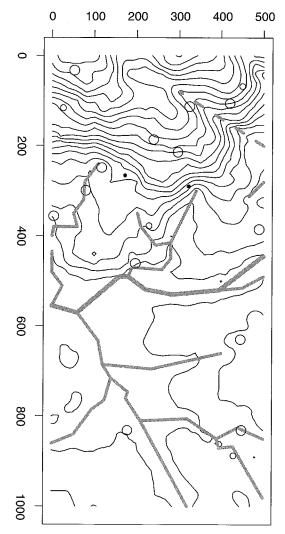
Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Nauclea diderrichii (De Wild. & T.Durand) Merrill RUBIACEAE

NADI. Large tree, common in secondary and drier forests, to 45 m or more and reaching 1.5 m dbh, lacking buttresses, stipules large, foliaceous, obovate. Inflorescence a terminal head, flowers very numerous, small and white, bisexual, fruits united in dense clusters, false fruits spherical, reaching 7 cm diameter, fleshy and animal-dispersed. Bark medicinal, timber valuable and widely exploited, commercial name *bilinga*. *Det. level*: F1,G1,S1. *Distribution*: Common in Upper and Lower Guinea, from Sierra Leone to Congo. *Conservation status*: Common.



Stem count, total/50 ha = 19, Species rank = 332

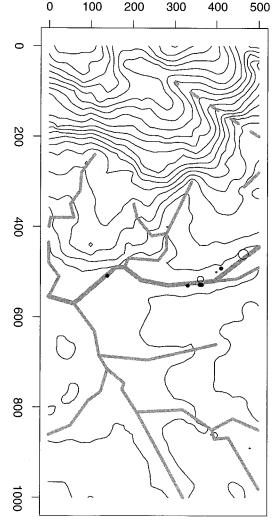
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	5.26	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	1	0.02	0.04	5.26	0.00
>5≤10	1	0.02	0.06	5.26	0.00
>10≤20	2	0.04	0.1	10.53	0.01
>20≤30	1	0.02	0.12	5.26	0.02
>30≤60	4	0.08	0.2	21.05	0.11
>60	9	0.18	0.38	47.37	1.70

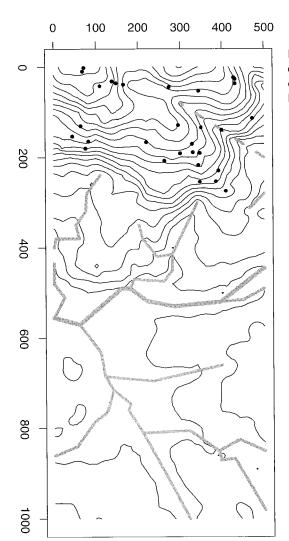
Nauclea vanderguchtii (De Wild) Petit RUBIACEAE

MITR. Medium-sized tree to 20 (-30?) m tall, 30 cm dbh, often riparian. Inflorescence a terminal head, flowers very numerous, small and white, bisexual, fruits united in dense clusters, false fruits spherical, reaching 7 cm diameter, fleshy and animal-dispersed. *Taxonomic notes*: Vegetative material separated on the basis of the swollen internodes, often with ant chambers. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Congo. *Conservation status*: Apparently common.

Stem count, total/50 ha = 7, Species rank = 402

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	28.57	0.00
>2≤3	2	0.04	0.08	28.57	0.00
>3≤4	1	0.02	0.1	14.29	0.00
>4≤5	0	0	0.1	0.00	0.00
>5≤10	1	0.02	0.12	14.29	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	1	0.02	0.14	14.29	0.03
>60	0	0	0.14	0.00	0.00





ROT5. Slender treelet to 1.8 m tall, with elliptic leaves. Flowers bisexual, with white corollas, fruits small, blue, animal-dispersed. *Taxonomic notes*: Very variable species over its range. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, from Sierra Leone to DRC. *Conservation status*: Common.

Stem count, total/50 ha = 30, Species rank = 305

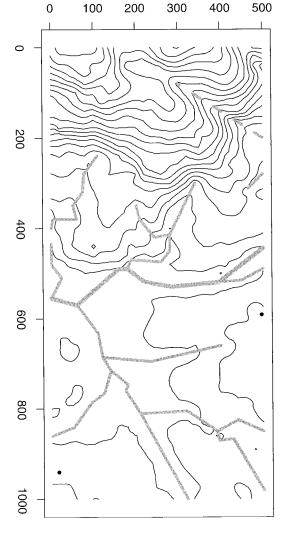
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	22	0.44	0.44	73.33	0.02
>2≤3	7	0.14	0.58	23.33	0.01
>3≤4	1	0.02	0.6	3.33	0.00
>4≤5	0	0	0.6	0.00	0.00
>5≤10	0	0	0.6	0.00	0.00
>10≤20	0	0	0.6	0.00	0.00
>20≤30	0	0	0.6	0.00	0.00
>30≤60	0	0	0.6	0.00	0.00
>60	0	0	0.6	0.00	0.00

Oxyanthus formosus Hook.f. ex Planch. RUBIACEAE

RUAS. Treelet to 4 m tall, leaf base very unequal. Flowers white, bisexual, fruits ellipsoid, 4-6 x 2.5-3 cm yellow to orange when mature, animal-dispersed. *Taxonomic notes*: This species is separated from *Oxyanthus laxiflorus* which is more abundant in the plot, by its distinctive unequal leaf-bases. Fertile material separated on floral characters, identification confirmed by genus specialist. *Det. level*: F1, G1, S1. *Distribution*: Widespread from Guinea to Sudan, Congo. *Conservation status*: Common.

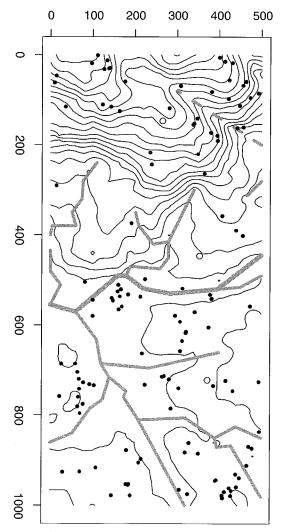
Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	1	0.02	0.04	50.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00



Oxyanthus laxiflorus K.Schum. ex Hutch. & Dalziel RUBIACEAE

OXY2. Treelet to 2 m tall, flowers white, bisexual, 15-35 together in compact inflorescences, fruits globose, 13-15 mm diameter, yellow at maturity, animal-dispersed. *Taxonomic notes*: Close to *Oxyanthus gracilis* Hiern, especially vegetative, Fruiting material separated on the basis of the globose fruits. *Det. level:* F1, G1, S1. *Distribution*: Lower Guinea endemic, from Nigeria to Gabon. *Conservation status*: Apparently fairly common.



Stem count, total/50 ha = 129, Species rank = 199

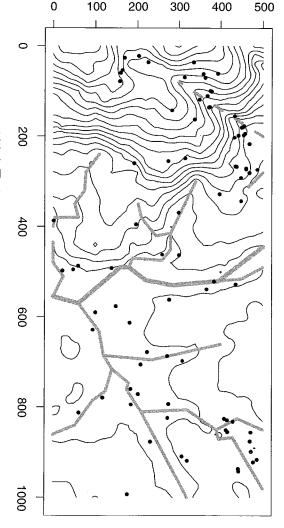
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	77	1.54	1.54	59.69	0.06
>2≤3	30	0.6	2.14	23.26	0.05
>3≤4	13	0.26	2.4	10.08	0.03
>4≤5	6	0.12	2.52	4.65	0.03
>5≤10	3	0.06	2.58	2.33	0.01
>10≤20	0	0	2.58	0.00	0.00
>20≤30	0	0	2.58	0.00	0.00
>30≤60	0	0	2.58	0.00	0.00
>60	0	0	2.58	0.00	0.00

Pauridiantha afzelii (Hiern) Bremek. RUBIACEAE

RUBG. Treelet to 4 m tall, flowers small, greenish-white, fruits small, red, animal-dispersed. *Taxonomic notes*: Probably not this species, since it has not been recorded before from Lower Guinea. *Det. level*: F1, G1, S2. *Distribution*: Upper Guinea. *Conservation status*; Common.

Stem count, total/50 ha = 84, Species rank = 228

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	84	1.68	1.68	100	0.06
>2≤3	0	0	1.68	0.00	0.00
>3≤4	0	0	1.68	0.00	0.00
>4≤5	0	0	1.68	0.00	0.00
>5≤10	0	0	1.68	0.00	0.00
>10≤20	0	0	1.68	0.00	0.00
>20≤30	0	0	1.68	0.00	0.00
>30≤60	0	0	1.68	0.00	0.00
>60	0	0	1.68	0.00	0.00



Pauridiantha floribunda (K.Schum. & K.Krause) Bremek.

1000

PAFL. Small- to medium-sized tree with irregular trunk and spoke-like branches, reaching 25 m tall and 50 cm dbh. Flowers bisexual, numerous on axillary inflorescences, fruits black, rounded, 5-8 mm diameter, probably bird-dispersed. Bark used to produce black or dark blue dye. *Taxonomic notes*: Fertile material matched with herbarium specimens. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.

Stem count, total/50 ha = 264, Species rank = 138

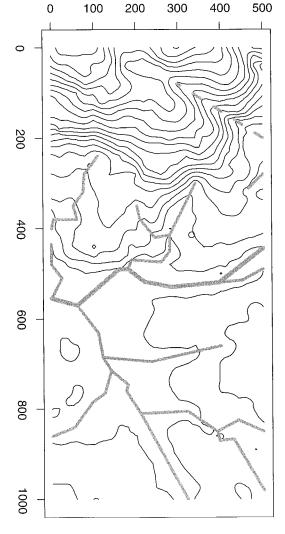
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	73	1.46	1.46	27.65	0.05
>2≤3	38	0.76	2.22	14.39	0.06
>3≤4	16	0.32	2.54	6.06	0.04
>4≤5	9	0.18	2.72	3.41	0.04
>5≤10	52	1.04	3.76	19.70	0.13
>10≤20	70	1.4	5.16	26.52	0.48
>20≤30	6	0.12	5.28	2.27	0.11
>30≤60	0	0	5.28	0.00	0.00
>60	0	0	5.28	0.00	0.00

Pauridiantha viridiflora (Schweinf. ex Hiern) Hepper RUBIACEAE

PSYC: Small tree to 7 m tall. Flowers bisexual, greenish or gray. Fruits globose, with persistent calyx, animal-dispersed. *Det. level*: F1, G1, S1. *Distribution*: Widespread from Nigeria to Uganda. *Conservation status*: Common.

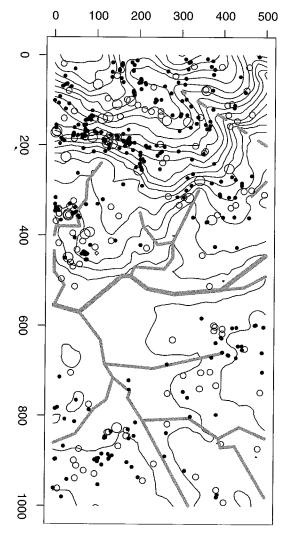
Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	1	0.02	0.02	100	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00



Pausinystalia macroceras (K.Schum.) Pierre ex Beille RUBIACEAE

RUB9. Large tree to 40 m tall and 60 cm dbh, with compact rounded crown and soft bark. Flowers bisexual, in subterminal inflorescences. Fruits small bilocular capsule, 15-20 mm long, dehiscent from the apex, seeds winged, wind-dispersed. Taxonomic notes: Polymorphic species with varieties, close to Pausinistalia johimbe, a medicinal plant exploited in Cameroon for its aphrodisiac bark, and sometimes mistakenly harvested as such. The cordate leaves of the latter allow easy separation. Det. level: F1, G1, S1. Distribution: Lower Guinea endemic, from Southern Nigeria to Gabon and Congo. Conservation status: Apparently fairly common.



Stem count, total/50 ha = 447, Species rank = 114

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	168	3.36	3.36	37.58	0.12
>2≤3	72	1.44	4.8	16.11	0.11
>3≤4	40	0.8	5.6	8.95	0.11
>4≤5	30	0.6	6.2	6.71	0.13
>5≤10	69	1.38	7.58	15.44	0.17
>10≤20	20	0.4	7.98	4.47	0.14
>20≤30	22	0.44	8.42	4.92	0.41
>30≤60	24	0.48	8.9	5.37	0.66
>60	2	0.04	8.94	0.45	0.38

0

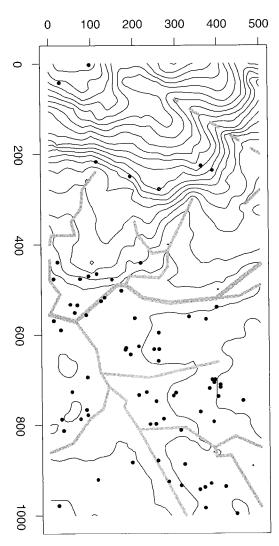
100

Pavetta rigida Hiern **RUBIACEAE**

COBN. Treelet to 3 m tall, with few, elliptic leaves. Flowers bisexual, in large terminal inflorescence. Fruits green, animal-dispersed. Taxonomic notes: Flowering material, distinguished by large elliptic leaves, inflorescence, ovary and calyx green. Det. level: F1, G1, S1. Distribution: Lower Guinea forest endemic, from Nigeria to Cameroon. Conservation status: Rare=2.

		a = 43, Specie	cies rank = 285		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	43	0.86	0.86	100.00	0.03
>2≤3	0	0	0.86	0.00	0.00
>3≤4	0	0	0.86	0.00	0.00
>4≤5	0	0	0.86	0.00	0.00
>5≤10	0	0	0.86	0.00	0.00
>10≤20	0	0	0.86	0.00	0.00
>20≤30	0	0	0.86	0.00	0.00
>30≤60	0	0	0.86	0.00	0.00
>60	0	00	0.86	0.00	0.00

200 300 400 500 400 600



PANO. Treelet to 3 m tall, with dense crown, flowers bisexual, with white corollas, fruits small, spherical, pale green with light blue stripes, animal-dispersed. *Det. level*: F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 74, Species rank = 245

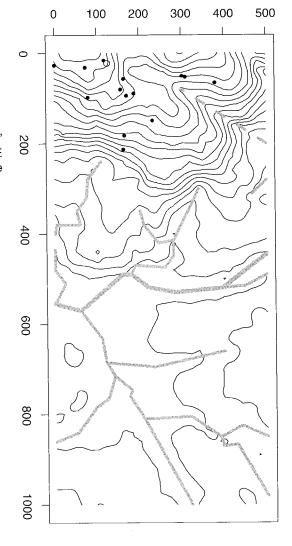
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	47	0.94	0.94	63.51	0.03
>2≤3	17	0.34	1.28	22.97	0.03
>3≤4	9	0.18	1.46	12.16	0.02
>4≤5	1	0.02	1.48	1.35	0.00
>5≤10	0	0	1.48	0.00	0.00
>10≤20	0	0	1.48	0.00	0.00
>20≤30	0	0	1.48	0.00	0.00
>30≤60	0	0	1.48	0.00	0.00
>60	0	0	1.48	0.00	0.00

Pavetta sp. "RUBN" RUBIACEAE

RUBN. Treelet to 1.5 m high, leaves with bacterial nodules. Flowers bisexual, mature fruits green, animal-dispersed. *Det. level*: F1, G2, S3. *Distribution*: Not known.

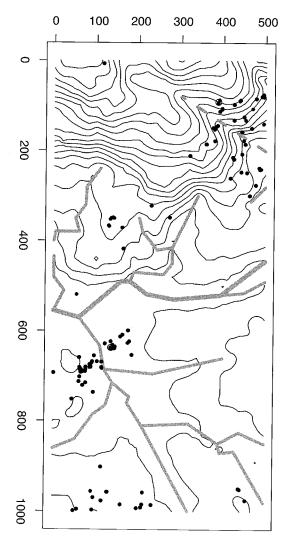
Stem count, total/50 ha = 15, Species rank = 352

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class			
1≤2	11	0.22	0.22	73.33	0.01			
>2≤3	3	0.06	0.28	20.00	0.005			
>3≤4	0	0	0.28	0.00	0.00			
>4≤5	0	0	0.28	0.00	0.00			
>5≤10	1	0.02	0.3	6.67	0.003			
>10≤20	0	0	0.3	0.00	0.00			
>20≤30	0	0	0.3	0.00	0.00			
>30≤60	0	0	0.3	0.00	0.00			
>60	0	0	0.3	0.00	0.00			



Petitiocodon parviflorum (Keay) Robbr.

COF2. Small tree to 5 m tall with flaky bark. Flowers bisexual, campanulate, corolla white, fruits green, animal-dispersed. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=3.



Stem count, total/50 ha = 125, Species rank = 200

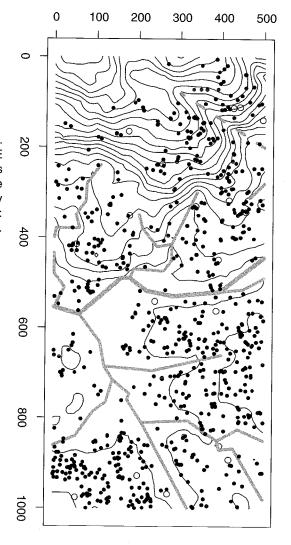
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	66	1.32	1.32	52.80	0.05
>2≤3	40	0.8	2.12	32.00	0.06
>3≤4	14	0.28	2.4	11.20	0.04
>4≤5	3	0.06	2.46	2.40	0.01
>5≤10	2	0.04	2.5	1.60	0.01
>10≤20	0	0	2.5	0.00	0.00
>20≤30	0	0	2.5	0.00	0.00
>30≤60	0	0	2.5	0.00	0.00
>60	00	0	2.5	0.00	0.00

Polysphaeria macrophylla K.Schum. RUBIACEAE

POMA. Treelet to 5 m high, 7 cm dbh. Flowers bisexual, pinkish with red calyx, fruits small, blue-black, animal-dispersed (probably by birds). *Taxonomic notes*: Distinctive field characters include the presence of ant-chambers at nodes and the pale gray slash. Fertile material shows characteristic sessile, axillary flower clusters. *Det. level*: F1, G1, S1. *Distribution*: Upper and Lower Guinea, from Ghana to Cameroon. *Conservation status*: Common.

Stem count, total/50 ha = 737, Species rank = 79

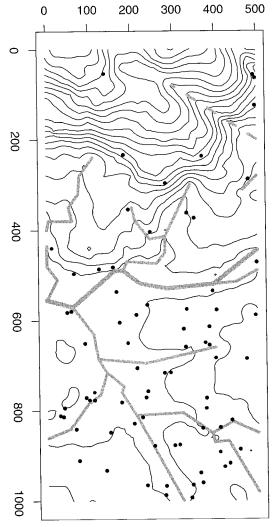
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	346	6.92	6.92	46.95	0.25
>2≤3	232	4.64	11.56	31.48	0.35
>3≤4	97	1.94	13.5	13.16	0.26
>4≤5	45	0.9	14.4	6.11	0.19
>5≤10	17	0.34	14.74	2.31	0.04
>10≤20	0	0	14.74	0.00	0.00
>20≤30	0	0	14.74	0.00	0.00
>30≤60	0	0	14.74	0.00	0.00
>60	0	0	14.74	0.00	0.00



400

300

500



RUWS. Treelet to 2 m tall, about 2.5 cm dbh. Flowers bisexual, fairly large, corollas white with c. 6 cm tube. Fruits ellipsoid, ribbed, dark blue to black at maturity, about 2 cm long, animal-dispersed. *Taxonomic notes*: Fruiting material identified on the basis of the 5-ribbed fruits crowned by the enlarged and acrescent calyx. *Det. level*: F, G1, S1. *Distribution*: Upper and Lower Guinea, widespread from Senegal to Angola. *Conservation status*: Common.

Stem count, total/50 ha = 75, Species rank = 242

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	73	1.46	1.46	97.33	0.05
>2≤3	2	0.04	1.5	2.67	0.00
>3≤4	0	0	1.5	0.00	0.00
>4≤5	0	0	1.5	0.00	0.00
>5≤10	0	0	1.5	0.00	0.00
>10≤20	0	0	1.5	0.00	0.00
>20≤30	0	0	1.5	0.00	0.00
>30≤60	0	0	1.5	0.00	0.00
>60	0	0	1.5	0.00	0.00

100

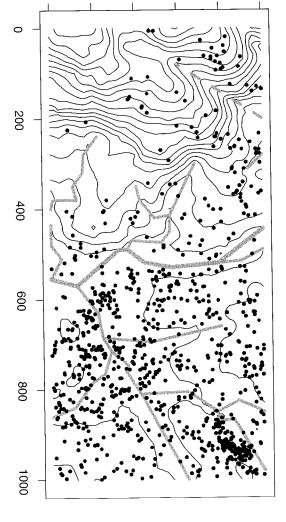
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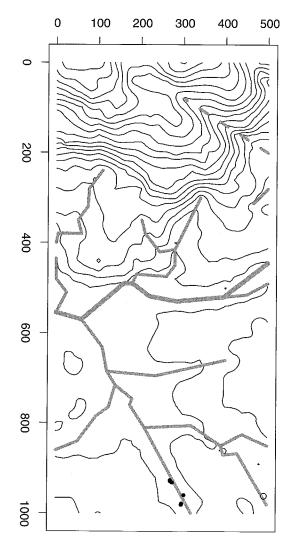
Psychotria dorotheae Wernham RUBIACEAE

PSYI. Treelet, to 4 m tall. Flowers bisexual, white, fruits orange to red at maturity, animal-dispersed, probably by birds. *Det. level*: F1, G1, S1. *Distribution*: Forest in Upper and Lower Guinea, from Ghana to Cameroon. *Conservation status*: Common.

Stem count, total/50 ha = 925, Species rank = 69

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	786	15.72	15.72	84.97	0.57
>2≤3	118	2.36	18.08	12.76	0.18
>3≤4	18	0.36	18.44	1.95	0.05
>4≤5	3	0.06	18.5	0.32	0.01
>5≤10	0	0	18.5	0.00	0.00
>10≤20	0	0	18.5	0.00	0.00
>20≤30	0	0	18.5	0.00	0.00
>30≤60	0	0	18.5	0.00	0.00
>60	0	0	18.5	0.00	0.00





CEPH. Small tree or treelet, flowers probably bisexual, fruits animal-dispersed. *Taxonomic notes*: Belongs to the former genus *Cephaëlis* with capitate inflorescences, now in *Psychotria. Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 10, Species rank = 373

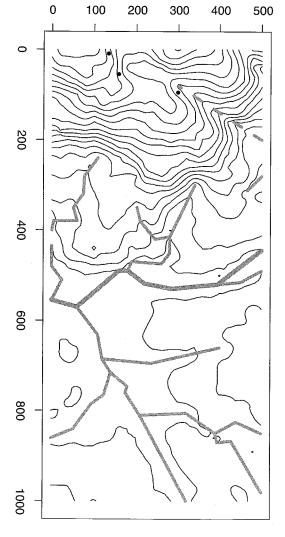
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	90.00	0.01
>2≤3	0	0	0.18	0.00	0.00
>3≤4	0	0	0.18	0.00	0.00
>4≤5	0	0	0.18	0.00	0.00
>5≤10	1	0.02	0.2	10.00	0.00
>10≤20	0	0	0.2	0.00	0.00
>20≤30	0	0	0.2	0.00	0.00
>30≤60	0	0	0.2	0.00	0.00
>60	0	0	0.2	0.00	0.00

Psychotria sp. "NPSY" RUBIACEAE

NPSY. Small tree or treelet. Flowers probably bisexual, fruits probably small and animal-dispersed. *Det. level:* F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 3. Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	66.67	0.00
>2≤3	1	0.02	0.06	33.33	0.00
>3≤4	0	0	0.06	0.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



PSYT. Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

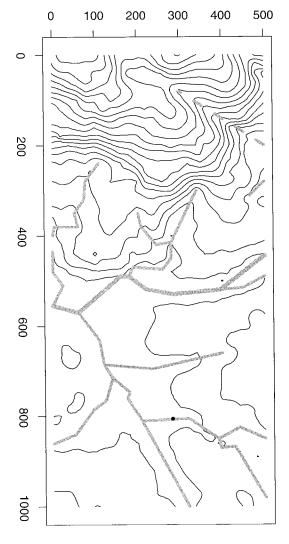
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.001
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

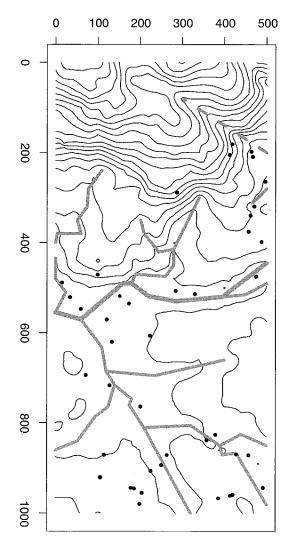
Psychotria sp. "PSEL" RUBIACEAE

PSEL. Small tree, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

			•	•	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00





PSY2. Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 43, Species rank = 285

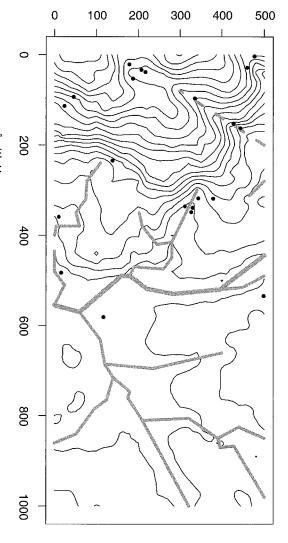
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	41	0.82	0.82	95.35	0.03
>2≤3	0	0	0.82	0.00	0.00
>3≤4	0	0	0.82	0.00	0.00
>4≤5	2	0.04	0.86	4.65	0.01
>5≤10	0	0	0.86	0.00	0.00
>10≤20	0	0	0.86	0.00	0.00
>20≤30	0	0	0.86	0.00	0.00
>30≤60	0	0	0.86	0.00	0.00
>60	0	0	0.86	0.00	0.00

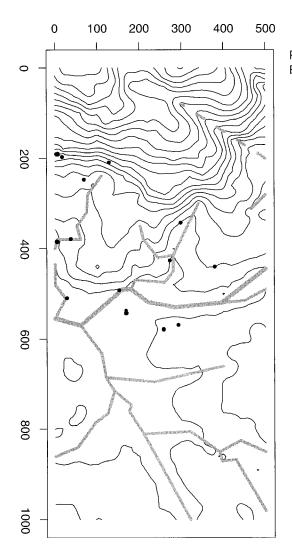
Psychotria sp. "PSY3" RUBIACEAE

PSY3. Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 21, Species rank = 324

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	20	0.4	0.4	95.24	0.01
>2≤3	1	0.02	0.42	4.76	0.00
>3≤4	0	0	0.42	0.00	0.00
>4≤5	0	0	0.42	0.00	0.00
>5≤10	0	0	0.42	0.00	0.00
>10≤20	0	0	0.42	0.00	0.00
>20≤30	0	0	0.42	0.00	0.00
>30≤60	0	0	0.42	0.00	0.00
>60	0	0	0.42	0.00	0.00





PSY4. Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 27, Species rank = 312

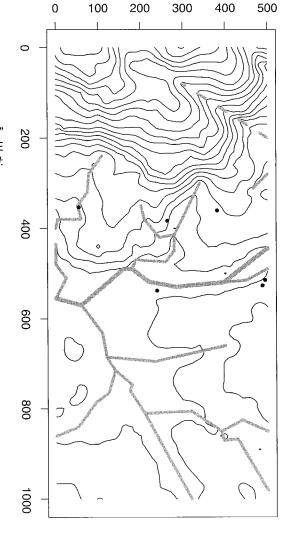
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	25	0.5	0.5	92.59	0.02
>2≤3	2	0.04	0.54	7.41	0.00
>3≤4	0	0	0.54	0.00	0.00
>4≤5	0	0	0.54	0.00	0.00
>5≤10	0	0	0.54	0.00	0.00
>10≤20	0	0	0.54	0.00	0.00
>20≤30	0	0	0.54	0.00	0.00
>30≤60	0	0	0.54	0.00	0.00
>60	0	0	0.54	0.00	0.00

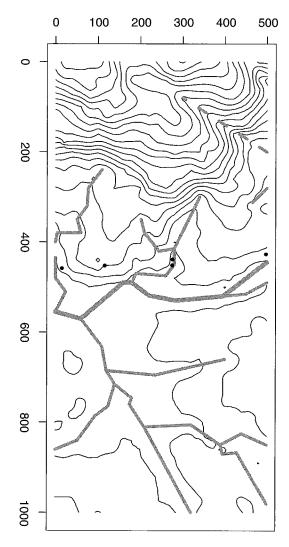
Psychotria sp. "PSY5" RUBIACEAE

PSY5. Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level:* F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 6, Species rank = 407

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	100.00	0.00
>2≤3	0	0	0.12	0.00	0.00
>3≤4	0	0	0.12	0.00	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	0	0	0.12	0.00	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00





PSY6. . Treelet, flowers probably bisexual, fruits probably animal-dispersed. *Det. level*: F1, G1, S3. *Distribution*: Not known.

Stem count, total/50 ha = 5, Species rank = 414

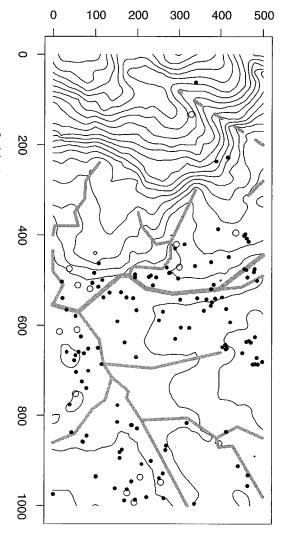
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	100.00	0.004
>2≤3	0	0	0.1	0.00	0.00
>3≤4	0	0	0.1	0.00	0.00
>4≤5	0	0	0.1	0.00	0.00
>5≤10	0	0	0.1	0.00	0.00
>10≤20	0	0	0.1	0.00	0.00
>20≤30	0	0	0.1	0.00	0.00
>30≤60	0	0	0.1	0.00	0.00
>60	0	0	0.1	0.00	0.00

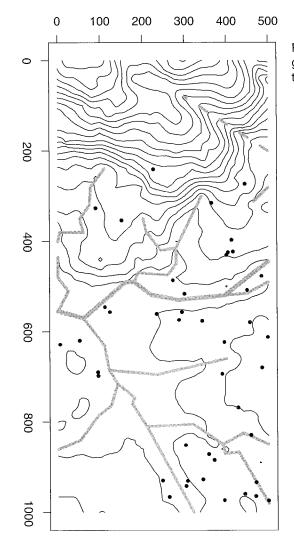
Psychotria sp. nov. "PSYL" RUBIACEAE

PSYL. Small tree to 4 m high, 9 cm dbh. Flowers white, bisexual, mature fruits orange, animal-dispersed. *Taxonomic notes*: Specimens distinguished by large leaf size, matched to a new species under description at Kew. *Det. level*: F1, G1, S1. *Distribution*: Endemic to SW Cameroon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 141, Species rank = 191

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	73	1.46	1.46	51.77	0.05
>2≤3	29	0.58	2.04	20.57	0.04
>3≤4	16	0.32	2.36	11.35	0.04
>4≤5	9	0.18	2.54	6.38	0.04
>5≤10	14	0.28	2.82	9.93	0.04
>10≤20	0	0	2.82	0.00	0.00
>20≤30	0	0	2.82	0.00	0.00
>30≤60	0	0	2.82	0.00	0.00
>60	0	0	2.82	0.00	0.00





PSYS. Treelet to 2 m high. Flowers bisexual, infructescence pendulous, mature fruits green with narrow blue stripes, fruits animal-dispersed. *Taxonomic notes*: May belong to a different genus. *Det. level*: F1, G2, S3. *Distribution*: Not known.

Stem count, total/50 ha = 43, Species rank = 285

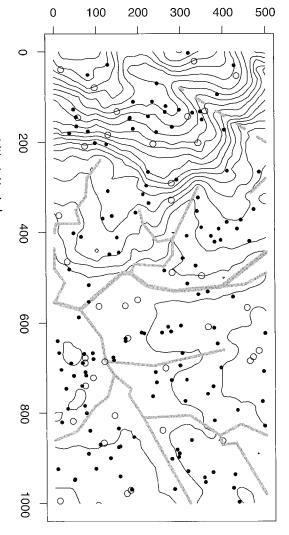
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	42	0.84	0.84	97.67	0.03
>2≤3	1	0.02	0.86	2.33	0.00
>3≤4	0	0	0.86	0.00	0.00
>4≤5	0	0	0.86	0.00	0.00
>5≤10	0	0	0.86	0.00	0.00
>10≤20	0	0	0.86	0.00	0.00
>20≤30	0	0	0.86	0.00	0.00
>30≤60	0	0	0.86	0.00	0.00
>60	0	0	0.86	0.00	0.00

Rothmannia hispida (K. Schum.) Fagerl. RUBIACEAE

ROTH. Small tree to 12 m tall. Flowers large, bisexual, corolla white with a long tube. Mature fruits green with numerous seeds, fruits animal-dispersed. *Taxonomic notes*: Distinguished by the hispid leaves and white corolla with purple markings inside. *Det. level*: F1, G1, S1. *Distribution*: Forests of Upper and Lower Guinea. *Conservation status*: Common.

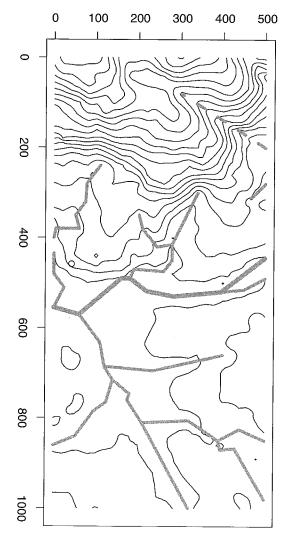
Stem count, total/50 ha = 181, Species rank = 169

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	68	1.36	1.36	37.57	0.05
>2≤3	20	0.4	1.76	11.05	0.03
>3≤4	29	0.58	2.34	16.02	0.08
>4≤5	24	0.48	2.82	13.26	0.10
>5≤10	35	0.7	3.52	19.34	0.09
>10≤20	5	0.1	3.62	2.76	0.03
>20≤30	0	0	3.62	0.00	0.00
>30≤60	0	0	3.62	0.00	0.00
>60	0	0	3.62	0.00	0.00



Rothmannia lujae (De Wild.) Keay RUBIACEAE

ROBS. Small- to medium-sized tree to 20 m tall in Korup area, reported to be taller elsewhere. Flowers bisexual, large, white with long corolla tube, moth- or bat-pollinated. Fruits very large, with numerous seeds, broadly ellipsoid, up to 17 x 13 cm, prominently 5 ribbed, animal-dispersed. *Taxonomic notes*: Close to other species of *Rothmannia*, vegetative material matched with herbarium specimens, confirmed by genus specialist. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Apparently fairly common.



Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0.00	0.00	0.00
>2≤3	0	0	0.00	0.00	0.00
>3≤4	0	0	0.00	0.00	0.00
>4≤5	0	0	0.00	0.00	0.00
>5≤10	0	0	0.00	0.00	0.00
>10≤20	1	0.02	0.02	100.00	0.01
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	00	0	0.02	0.00	0.00

100

200

300

400

500

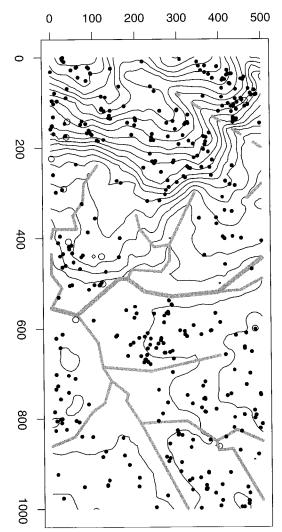
Rothmannia sp. "ROT4" RUBIACEAE

ROT4. Treelet. Det. level: F1, G2, S3. Distribution: Not known.

200 400 600 800 10

Stem count, total/50 ha = 2, Species rank = 444

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.001
>2≤3	1	0.02	0.04	50.00	0.002
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00



ROLU. Treelet to 4 m tall, 6 cm dbh. Flowers large, strongly scented, very long narrow tube, bisexual, pollinated by moths or bats. Fruits ellipsoid, about 6 x 3 cm with numerous seeds, animal-dispersed. *Taxonomic notes*: Fertile specimens matched in herbaria and identification confirmed by genus specialist. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 398, Species rank = 119

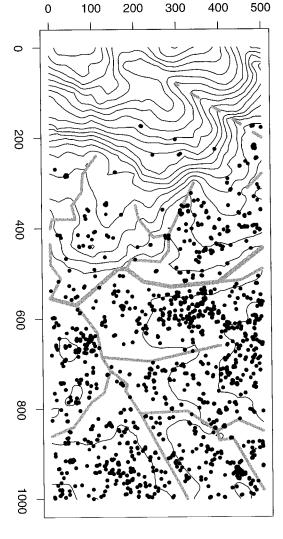
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	167	3.34	3.34	41.96	0.12
>2≤3	126	2.52	5.86	31.66	0.19
>3≤4	67	1.34	7.2	16.83	0.18
>4≤5	28	0.56	7.76	7.04	0.12
>5≤10	10	0.2	7.96	2.51	0.03
>10≤20	0	0	7.96	0.00	0.00
>20≤30	0	0	7.96	0.00	0.00
>30≤60	0	0	7.96	0.00	0.00
>60	0	0	7.96	0.00	0.00

Schumanniophyton magnificum (K.Schum.) Harms RUBIACEAE

SCMA. Treelet reaching 5 cm dbh, 4 m tall, branches resembling large compound leaves, leaves three on each branch. Very large with large inflorescences of white, bisexual flowers, probably moth-pollinated. Fruits rounded, 2-6 cm diameter, brownish and resembling figs, up to 9 together in dense clusters, animal-dispersed. Used medicinally in the Korup area. *Taxonomic notes*: Ours is probably var. *magnificum*, two other varieties are known from Gabon. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea, from southern Nigeria to Cameroon and Gabon, also in the Congo Basin. *Conservation status*: Common.

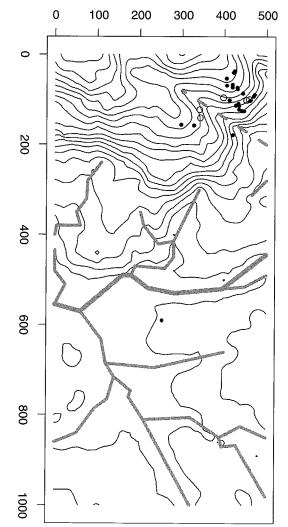
Stem count, total/50 ha = 1425, Species rank = 47

Diameter class (cm)	Total no. trees in	No. trees per ha	Cumulative tree count	% by size class	% of all species by
, ,	50 ha		per ha		size class
1≤2	1051	21.02	21.02	73.75	0.76
>2≤3	328	6.56	27.58	23.02	0.49
>3≤4	44	0.88	28.46	3.09	0.12
>4≤5	2	0.04	28.5	0.14	0.01
>5≤10	0	. 0	28.5	0.00	0.00
>10≤20	0	0	28.5	0.00	0.00
>20≤30	0	0	28.5	0.00	0.00
>30≤60	0	0	28.5	0.00	0.00
>60	0	0	28.5	0.00	0.00



Sericanthe auriculata (Keay) Robbrecht

RUBIACEAE



HEI2. Small tree to about 8 m tall, 10 cm dbh. Flowers bisexual, fruits berry-like, ellipsoid, about 3 cm long, animal-dispersed. Taxonomic notes: Syn. Tricalysia auriculata Keay. Det. level: F1, G1, S1. Distribution: Lower Guinea rain forest endemic. SE Nigeria and Cameroon coastal forest. Conservation status: Rare=3.

Stem count, total/50 ha = 30, Species rank = 305

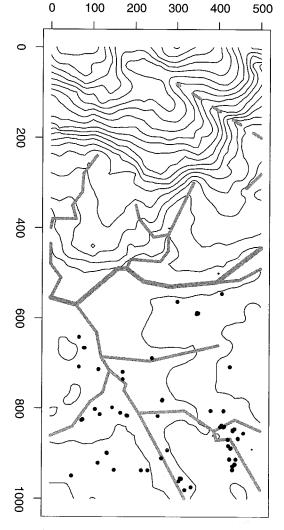
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	13	0.26	0.26	43.33	0.01
>2≤3	5	0.1	0.36	16.67	0.01
>3≤4	3	0.06	0.42	10.00	0.01
>4≤5	4	0.08	0.5	13.33	0.02
>5≤10	4	0.08	0.58	13.33	0.01
>10≤20	1	0.02	0.6	3.33	0.01
>20≤30	0	0	0.6	0.00	0.00
>30≤60	0	0	0.6	0.00	0.00
>60	0	0	0.6	0.00	0.00

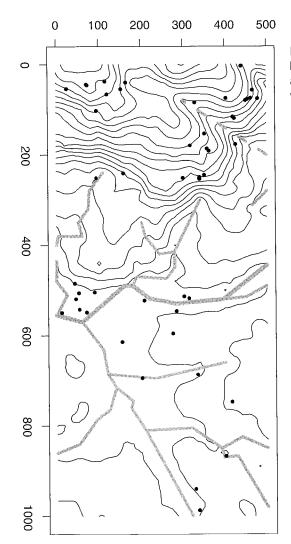
Stipularia africana P.Beauv. **RUBIACEAE**

RUBR. Treelet 1-2 m tall, common in disturbed areas, often where wet, involucre red, flowers bisexual, white, fruits red, animal-dispersed. Taxonomic notes: Probably belongs in the genus Ecpoma. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea, also in the Congo basin. Conservation status: Common.

Stem count, total/50 ha = 78, Species rank = 236

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	77	1.54	1.54	98.72	0.06
>2≤3	1	0.02	1.56	1.28	0.00
>3≤4	0	0	1.56	0.00	0.00
>4≤5	0	0	1.56	0.00	0.00
>5≤10	0	0	1.56	0.00	0.00
>10≤20	0	0	1.56	0.00	0.00
>20≤30	0	0	1.56	0.00	0.00
>30≤60	0	0	1.56	0.00	0.00
>60	0	0	1.56	0.00	0.00





RUTL. Treelet reaching 4 m high, mid-rib on the upper surface glabrous. Flowers white, bisexual, on terminal inflorescences. Fruits glabrous, shiny, about 8 mm diameter, animal-dispersed. *Taxonomic notes*: Fertile specimens of this species were matched with herbarium specimens at YA, further verification is needed. *Det. level*: F1, G1, S2. *Distribution*: Forest from Upper and Lower Guinea, also in Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 49, Species rank = 274

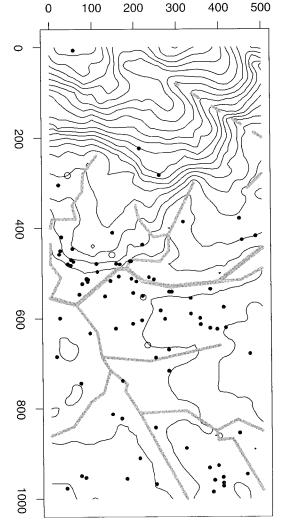
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	26	0.52	0.52	53.06	0.02
>2≤3	12	0.24	0.76	24.49	0.02
>3≤4	9	0.18	0.94	18.37	0.02
>4≤5	2	0.04	0.98	4.08	0.01
>5≤10	0	0	0.98	0.00	0.00
>10≤20	0	0	0.98	0.00	0.00
>20≤30	0	0	0.98	0.00	0.00
>30≤60	0	0	0.98	0.00	0.00
>60	00	0	0.98	0.00	0.00

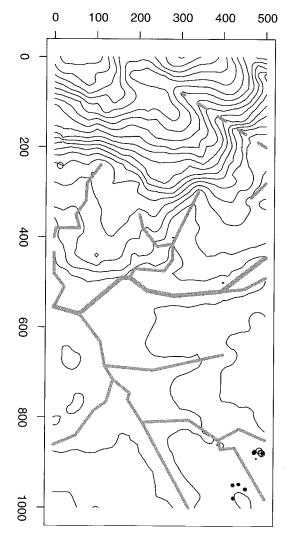
Tarenna lasiorachis (K.Schum. & K.Krause) Bremek.

RUB8. Treelet to 4 m tall, with dense crown. Midrib pubescent on the upper surface of the leaf. Flowers bisexual, in terminal inflorescence. Fruits whitish, about 8 mm diameter, animal-dispersed. *Taxonomic notes*: The easiest field character to distinguish this species from *T. conferta* is the presence of the pubescence on the upper surface of the limb. Fertile material was identified using the flora and was matched with herbarium specimens. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from Cameroon to Congo. *Conservation status*: Rare=3.

Stem count, total/50 ha = 88, Species rank = 221

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	40	0.8	0.8	45.45	0.03
>2≤3	27	0.54	1.34	30.68	0.04
>3≤4	11	0.22	1.56	12.50	0.03
>4≤5	6	0.12	1.68	6.82	0.03
>5≤10	4	0.08	1.76	4.55	0.01
>10≤20	0	0	1.76	0.00	0.00
>20≤30	0	0	1.76	0.00	0.00
>30≤60	0	0	1.76	0.00	0.00
>60	0	0	1.76	0.00	0.00





ROT3. Treelet to 4 m tall, flowers white, bisexual, fruits animal-dispersed. *Taxonomic notes*: Recognized by the presence of internodal ants chambers and oblong-elliptic leaves. Sterile material was matched with herbarium specimens, needs further verification. *Det. level*: F1,G1,S2. *Distribution*: Upper Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 13, Species rank = 358

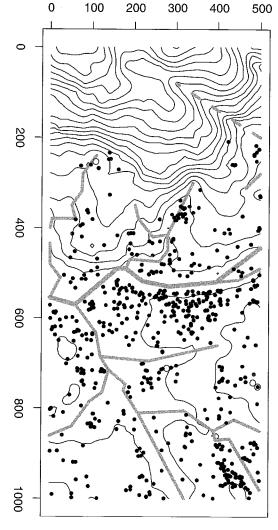
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	5	0.1	0.1	38.46	0.004
>2≤3	2	0.04	0.14	15.38	0.003
>3≤4	0	0	0.14	0.00	0.00
>4≤5	2	0.04	0.18	15.38	0.01
>5≤10	4	0.08	0.26	30.77	0.01
>10≤20	0	0	0.26	0.00	0.00
>20≤30	0	0	0.26	0.00	0.00
>30≤60	0	0	0.26	0.00	0.00
>60	0	0	0.26	0.00	0.00

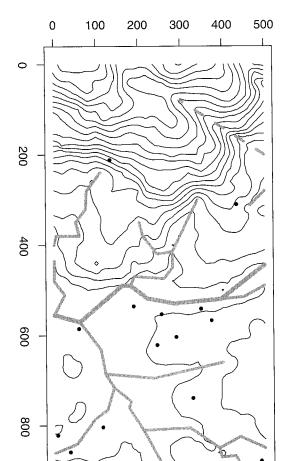
Tricalysia achoundongiana Robbr., Sonké & Kenfack RUBIACEAE

RUBP. Treelet to 4 m tall. Flowers small, white, bisexual, in congested axillary inflorescence. Fruits spherical, 1.8 cm diameter, animal-dispersed. *Taxonomic notes*: New species described from the KFDP plot, useful field identification of this species include pale gray slash, crossed stipules and discolored leaves. *Det. level*: F1, G1, S1. *Distribution*: Lower Guinea, narrowly endemic to Korup National Park, Cameroon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 625, Species rank = 93

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	474	9.48	9.48	75.84	0.34
>2≤3	127	2.54	12.02	20.32	0.19
>3≤4	18	0.36	12.38	2.88	0.05
>4≤5	2	0.04	12.42	0.32	0.01
>5≤10	4	0.08	12.5	0.64	0.01
>10≤20	0	0	12.5	0.00	0.00
>20≤30	0	0	12.5	0.00	0.00
>30≤60	0	0	12.5	0.00	0.00
>60	0	0	12.5	0.00	0.00





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COF3. Small tree. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 15, Species rank = 352

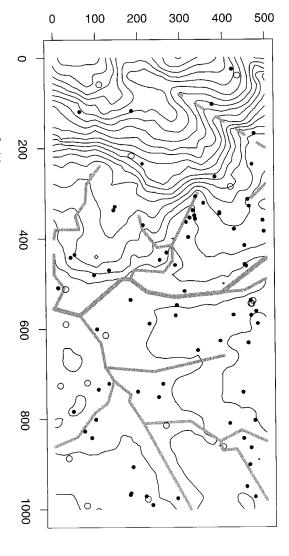
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	15	0.3	0.3	100.00	0.01
>2≤3	0	0	0.3	0.00	0.00
>3≤4	0	0	0.3	0.00	0.00
>4≤5	0	0	0.3	0.00	0.00
>5≤10	0	0	0.3	0.00	0.00
>10≤20	0	0	0.3	0.00	0.00
>20≤30	0	0	0.3	0.00	0.00
>30≤60	0	0	0.3	0.00	0.00
>60	0	0	0.3	0.00	0.00

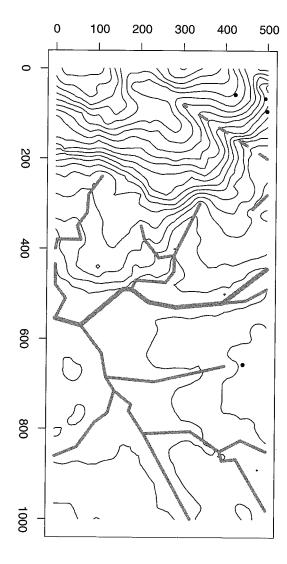
Rubiaceae sp. "COF4" RUBIACEAE

COF4. Small- to medium-sized tree. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 91, Species rank = 217

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	49	0.98	0.98	53.85	0.04
>2≤3	12	0.24	1.22	13.19	0.02
>3≤4	6	0.12	1.34	6.59	0.02
>4≤5	8	0.16	1.5	8.79	0.03
>5≤10	11	0.22	1.72	12.09	0.03
>10≤20	5	0.1	1.82	5.49	0.03
>20≤30	0	0	1.82	0.00	0.00
>30≤60	0	0	1.82	0.00	0.00
>60	0	0	1.82	0.00	0.00





COF5. Probably a small tree or treelet, looks like a *Coffea* species. *Det. level*: F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 4, Species rank = 421

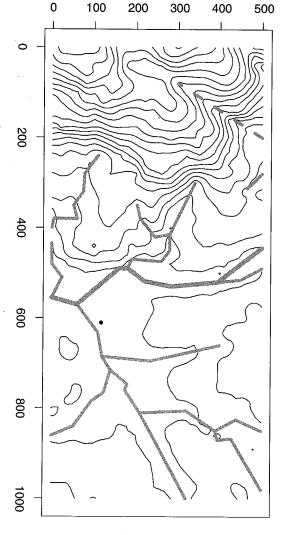
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	1	0.02	0.06	25.00	0.00
>3≤4	1	0.02	0.08	25.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00

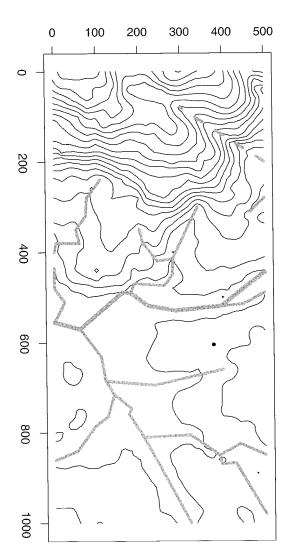
Rubiaceae sp. "HRUB" RUBIACEAE

HRUB. Treelet about 1.5 m tall, leaves with spreading hairs on both surfaces. *Det. level*: F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00





LAS2. Probably a small tree, might be Rhamnaceae. *Det. level:* F2, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

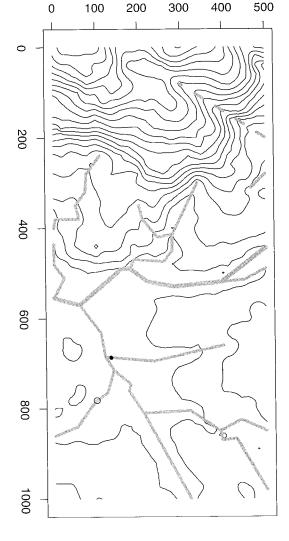
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	1	0.02	0.02	100.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	- 0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Rubiaceae sp. "MIT2" RUBIACEAE

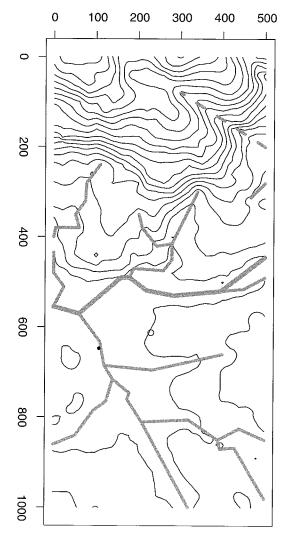
MIT2. Probably a medium-sized tree. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 3, Species rank = 431

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	33.33	0.00
>3≤4	1	0.02	0.04	33.33	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	1	0.02	0.06	33.33	0.02
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



MOKO. Probably a medium-sized tree. Det. level: F1, G3, S3. Distribution: Not known.



Stem count, total/50 ha = 2, Species rank = 444

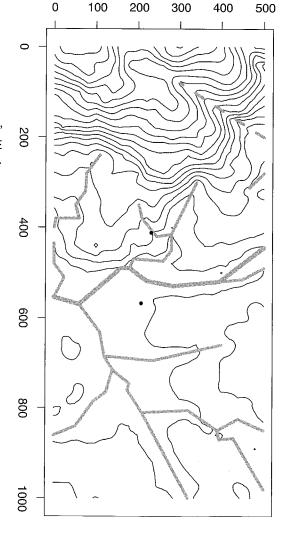
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	50.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	1	0.02	0.04	50.00	0.02
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00

Rubiaceae sp. "NRUB" RUBIACEAE

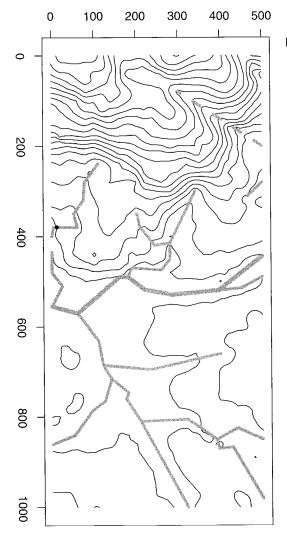
NRUB. Probably a small tree or treelet. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 2, Species rank = 444

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	1	0.02	0.04	50.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00



RUB3. Probably a small tree or treelet. Det. level: F1, G3, S3. Distribution: Not known.



Stem count, total/50 ha = 1, Species rank = 462

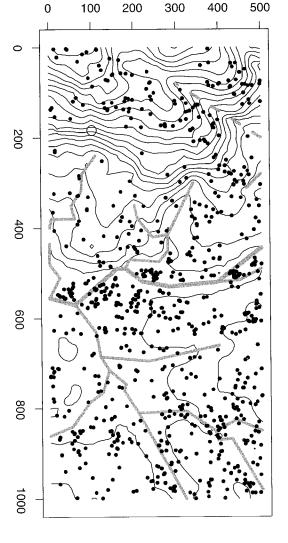
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100	0.001
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

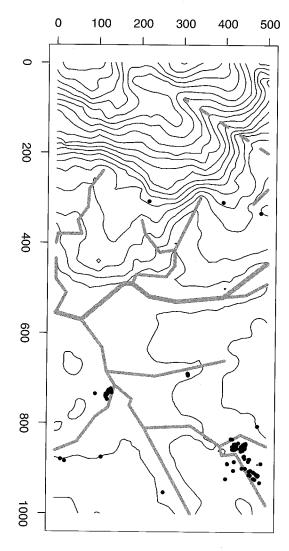
Rubiaceae sp. "RUB7" RUBIACEAE

RUB7. Small tree to 7 m tall with weeping branches, foliaceous calyx on fruits. *Det. level:* F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 824, Species rank = 72

			•	-	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	640	12.8	12.8	77.67	0.46
>2≤3	155	3.1	15.9	18.81	0.23
>3≤4	22	0.44	16.34	2.67	0.06
>4≤5	6	0.12	16.46	0.73	0.03
>5≤10	0	0	16.46	0.00	0.00
>10≤20	0	0	16.46	0.00	0.00
>20≤30	0	0	16.46	0.00	0.00
>30≤60	1	0.02	16.48	0.12	0.03
>60	0	0	16.48	0.00	0.00





RUBB. Treelet, about 2 cm dbh, 1.5 m tall. Det. level: F1, G3, S3. Distribution: Not

Stem count, total/50 ha = 109, Species rank = 209

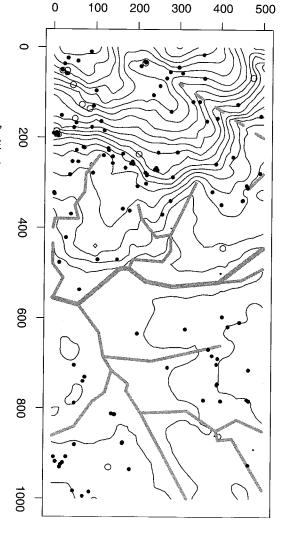
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	101	2.02	2.02	92.66	0.07
>2≤3	7	0.14	2.16	6.42	0.01
>3≤4	1	0.02	2.18	0.92	0.00
>4≤5	0	0	2.18	0.00	0.00
>5≤10	0	0	2.18	0.00	0.00
>10≤20	0	0	2.18	0.00	0.00
>20≤30	0	0	2.18	0.00	0.00
>30≤60	0	0	2.18	0.00	0.00
>60	0	0	2.18	0.00	0.00

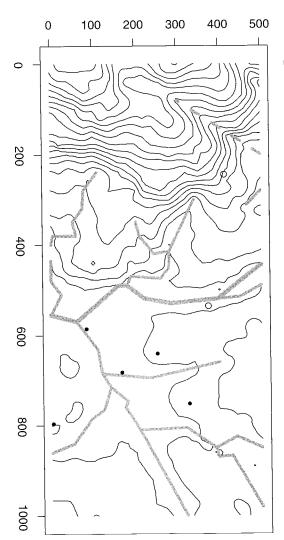
Rubiaceae sp. "RUBS" RUBIACEAE

RUBS. Treelet to 4 m tall, stipules blue. Det. level. F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 144, Species rank = 189

			arri, ioian oo ma	, opoo	ioo rank 10
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	66	1.32	1.32	45.83	0.05
>2≤3	37	0.74	2.06	25.69	0.06
>3≤4	20	0.4	2.46	13.89	0.05
>4≤5	8	0.16	2.62	5.56	0.03
>5≤10	13	0.26	2.88	9.03	0.03
>10≤20	0	0	2.88	0.00	0.00
>20≤30	0	0	2.88	0.00	0.00
>30≤60	0	0	2.88	0.00	0.00
>60	0	0	2.88	0.00	0.00





RUBY. Treelet to 2 m tall, with yellow slash. *Det. level*: F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 7, Species rank = 396

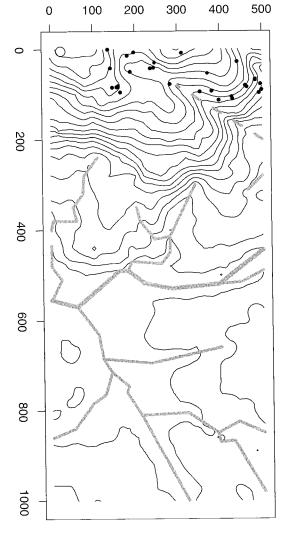
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	14.29	0.00
>2≤3	4	0.08	0.1	57.14	0.01
>3≤4	0	0	0.1	0.00	0.00
>4≤5	0	0	0.1	0.00	0.00
>5≤10	2	0.04	0.14	28.57	0.01
>10≤20	0	0	0.14	0.00	0.00
>20≤30	0	0	0.14	0.00	0.00
>30≤60	0	0	0.14	0.00	0.00
>60	0	00	0.14	0.00	0.00

Rubiaceae sp. "RUBT3" RUBIACEAE

RUBT3. Small tree. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 32, Species rank = 304

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	17	0.34	0.34	53.13	0.01
>2≤3	10	0.2	0.54	31.25	0.02
>3≤4	1	0.02	0.56	3.13	0.00
>4≤5	3	0.06	0.62	9.38	0.01
>5≤10	0	0	0.62	0.00	0.00
>10≤20	0	0	0.62	0.00	0.00
>20≤30	0	0	0.62	0.00	0.00
>30≤60	1	0.02	0.64	3.13	0.03
>60	0	0	0.64	0.00	0.00



RUTR. Small tree/treelet. Det. level: F1, G3, S3. Distribution: Not known.

Stem count, total/50 ha = 13, Species rank = 358

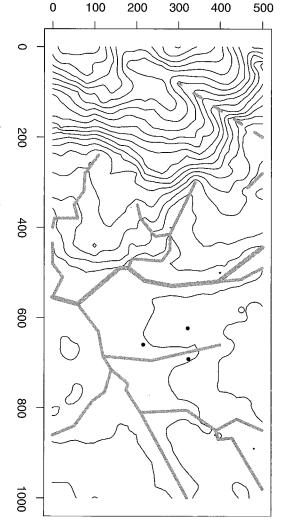
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	7.69	0.001
>2≤3	0	0	0.02	0.00	0.00
>3≤4	2	0.04	0.06	15.38	0.01
>4≤5	2	0.04	0.1	15.38	0.01
>5≤10	8	0.16	0.26	61.54	0.02
>10≤20	0	0	0.26	0.00	0.00
>20≤30	0	0	0.26	0.00	0.00
>30≤60	0	0	0.26	0.00	0.00
>60	0	0	0.26	0.00	0.00

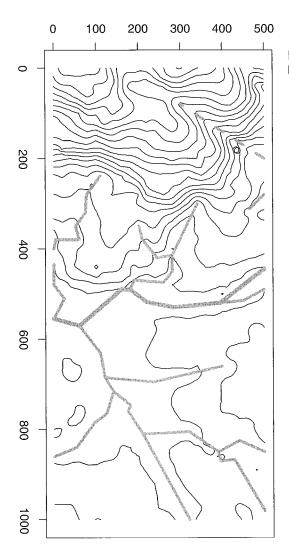
Rubiaceae sp. "RUTR2" RUBIACEAE

RUTR2. Probably a small or medium-sized tree. *Det. level*: F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 4, Species rank = 421

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	25.00	0.002
>3≤4	2	0.04	0.06	50.00	0.01
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	1	0.02	0.08	25.00	0.01
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00





RUYR. Probably a small- or medium-sized tree. *Det. level*: F1, G3, S3. *Distribution*: Not known.

Stem count, total/50 ha = 2, Species rank = 444

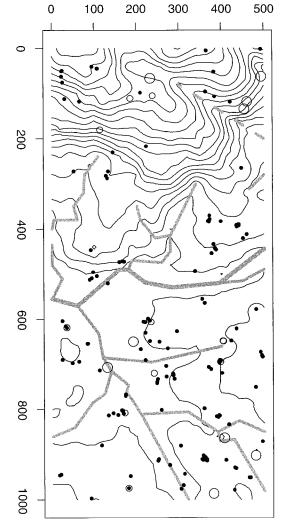
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	2	0.04	0.04	100.00	0.01
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00

Araliopsis soyauxii Engl. RUTACEAE

ARSO. Large tree, to 35 m tall, 80 cm dbh. Leaves digitately compound, with 5-7 leaflets. Flowers probably unisexual, fruits 4-seeded, fleshy, about 1 cm diameter, animal-dispersed. Bark used locally in the treatment of stomachache. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic, SE Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 168, Species rank = 176

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	106	2.12	2.12	63.10	0.08
>2≤3	24	0.48	2.6	14.29	0.04
>3≤4	11	0.22	2.82	6.55	0.03
>4≤5	7	0.14	2.96	4.17	0.03
>5≤10	11	0.22	3.18	6.55	0.03
>10≤20	0	0	3.18	0.00	0.00
>20≤30	0	0	3.18	0.00	0.00
>30≤60	4	0.08	3.26	2.38	0.11
>60	5	0.1	3.36	2.98	0.95



Oricia lecomteana Pierre RUTACEAE

ARAL. Treelet/small tree to 15 m tall. Leaves digitately compound, with about 5 sessile leaflets. *Taxonomic notes*: Our material matches this poorly known species. *Det. level*: F1,G1,S1. *Distribution*: SE Nigeria to Western Cameroon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 99, Species rank = 215

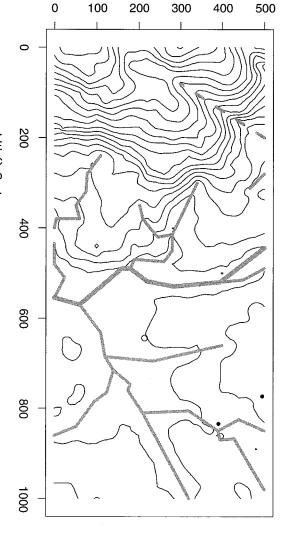
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	48	0.96	0.96	48.48	0.03
>2≤3	29	0.58	1.54	29.29	0.04
>3≤4	10	0.2	1.74	10.10	0.03
>4≤5	7	0.14	1.88	7.07	0.03
>5≤10	4	0.08	1.96	4.04	0.01
>10≤20	1	0.02	1.98	1.01	0.01
>20≤30	0	0	1.98	0.00	0.00
>30≤60	0	0	1.98	0.00	0.00
>60	0	0	1.98	0.00	0.00

Oricia suaveolens (Engl.) Verd. RUTACEAE

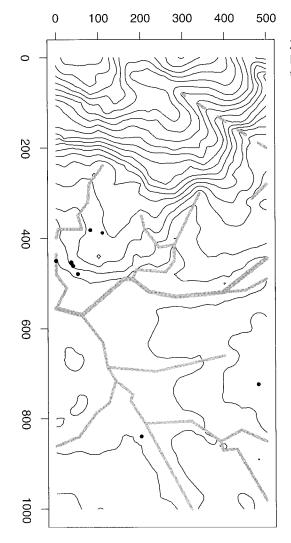
RUTA. Small tree to 7 m tall, leaves trifoliolate, leaflets with pronounce asymmetric base. *Taxonomic notes*: Difficult genus, needs fertile material for verification, close to *O. renieri* G.Gilbert. *Det. level*: F1,G1,S2. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 3, Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	33.33	0.001
>2≤3	1	0.02	0.04	33.33	0.002
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	1	0.02	0.06	33.33	0.003
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



Zanthoxylum buesgenii engl. RUTACEAE



ZANH. Treelet to 2.5 m tall, more or less unbranched with the leaves clustered apically. Plant entirely hirsute and covered with spines. Inflorescence terminal, with bisexual flowers, fruits pubescent, rounded, less than 1 cm diameter. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea endemic, SE Nigeria to Gabon. *Conservation status:* Rare=3.

Stem count, total/50 ha = 9, Species rank = 378

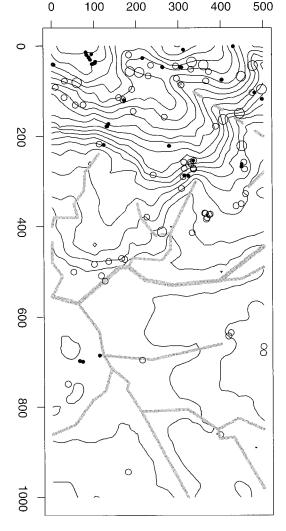
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	8	0.16	0.16	88.89	0.01
>2≤3	0	0	0.16	0.00	0.00
>3≤4	1	0.02	0.18	11.11	0.00
>4≤5	0	0	0.18	0.00	0.00
>5≤10	0	0	0.18	0.00	0.00
>10≤20	0	0	0.18	0.00	0.00
>20≤30	0	0	0.18	0.00	0.00
>30≤60	0	0	0.18	0.00	0.00
>60	0	0	0.18	0.00	0.00

Zanthoxylum gilletii (De Wild.) P.G.Waterman "macrophyllum" RUTACEAE

ZAMA. Medium-sized pioneer tree to 30 m tall, with prickly stems and leaves, common in clearings. Flowers bisexual in large terminal panicles. Fruit a follicle about 5-6 mm long, dehiscent, with a single bluish seed, probably animal-dispersed. Bark often used in traditional pharmacopoeia. *Taxonomic notes*: Easily distinguished by the very large leaves, reaching 1.8 m long, with up to 26 pairs of leaflets. This species is *Fagara macrophylla* Engl. of FWTA ed 2. which, along with *F. tessmannii* Engl. are sunk together in synonomy under *Zanthoxylum gillettii* (DeWild.) P.G.Waterman. These 2 taxa are quite distinct in our plot. *Det. level*: F1,G1,S1. *Distribution*: Widespread in Central, West, East and South Africa. *Conservation status*: Common.

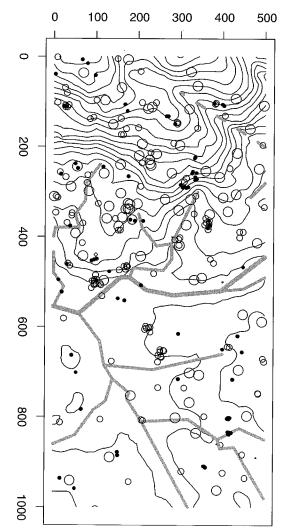
Stem count, total/50 ha = 109, Species rank = 209

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	20	0.4	0.4	18.35	0.01
>2≤3	6	0.12	0.52	5.50	0.01
>3≤4	5	0.1	0.62	4.59	0.01
>4≤5	7	0.14	0.76	6.42	0.03
>5≤10	27	0.54	1.3	24.77	0.07
>10≤20	23	0.46	1.76	21.10	0.16
>20≤30	9	0.18	1.94	8.26	0.17
>30≤60	11	0.22	2.16	10.09	0.30
>60	1	0.02	2.18	0.92	0.19



Zanthoxylum gilletii (De Wild.) P.G.Waterman "tessmannii" RUTACEAE

ZATE. Medium- to large-sized tree reaching 40 m in height and 100 cm dbh. Stem usually armed with stout, woody spines, leaves with fewer leaflets than "macrophylla" and rachis not spiny. Flowers bisexual, fruits rounded, about 6 mm, probably animal-dispersed. *Taxonomic notes*: This species is *Fagara tessmannii* Engl. of FWTA ed 2. which, along with *F. macrophylla* Engl. is sunk in synonomy under *Zanthoxylum gillettii* (DeWild.) P.G.Waterman. These 2 taxa are quite distinct in our plot. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea and Congo Basin, extending to Zimbabwe. *Conservation status*: Common.



Stem count, total/50 ha = 282, Species rank = 135

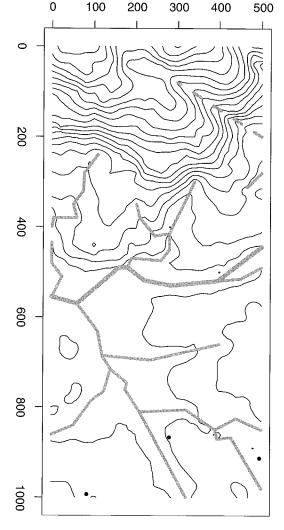
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	36	0.72	0.72	12.77	0.03
>2≤3	16	0.32	1.04	5.67	0.02
>3≤4	14	0.28	1.32	4.96	0.04
>4≤5	17	0.34	1.66	6.03	0.07
>5≤10	46	0.92	2.58	16.31	0.12
>10≤20	46	0.92	3.5	16.31	0.31
>20≤30	35	0.7	4.2	12.41	0.66
>30≤60	59	1.18	5.38	20.92	1.63
>60	13	0.26	5.64	4.61	2.46

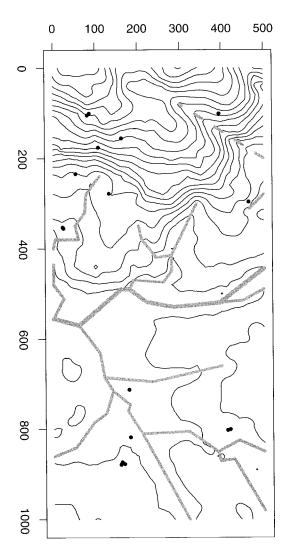
Zanthoxylum sp. "ZANG"

ZANG. Medium-sized tree to 20 m tall. Flowers probably bisexual, fruits probably rather small with a single blue or black seed and animal-dispersed. *Taxonomic notes*: Probably same as *Z. gilletii "tessmannii"*. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3, Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	33.33	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	2	0.04	0.06	66.67	0.01
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00





ZATM. Medium-sized tree to 25 m tall. Flowers probably bisexual, fruits probably rather small with a single blue or black seed and animal-dispersed. *Taxonomic notes*: May be the same as *Z. gillletii "tessmannii*". Distinguished on the presence of spines on the midribs of the leaflets. *Det. level*: F1,G1,S2. *Distribution*: Not known.

Stem count, total/50 ha = 19, Species rank = 332

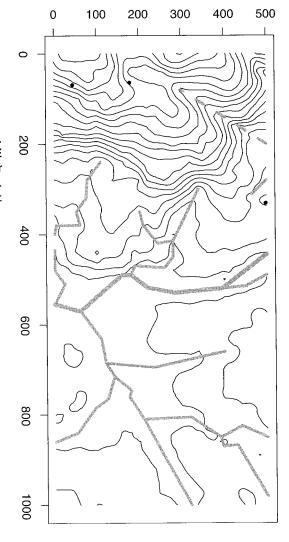
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	57.89	0.00
>2≤3	4	0.08	0.30	21.05	0.00
>3≤4	2	0.04	0.34	10.53	0.00
>4≤5	2	0.04	0.38	10.53	0.00
>5≤10	0	0	0.38	0.00	0.00
>10≤20	0	0	0.38	0.00	0.00
>20≤30	0	0	0.38	0.00	0.00
>30≤60	0	0	0.38	0.00	0.00
>60	0	0	0.38	0.00	0.00

Allophylus africanus P.Beauv. SAPINDACEAE

ALAF. Small shrubby tree to 4 m tall, leaves trifoliolate. Flowers unisexual or polygamous, white. Fruits red subspherical, 5-7 mm diameter, animal-dispersed. *Taxonomic notes*: Polymorphic species. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 3, Species rank = 431

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	66.67	0.00
>2≤3	1	0.02	0.06	33.33	0.00
>3≤4	0	0	0.06	0.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	0	0	0.06	0.00	0.00



Allophylus hirtellus (Hook.f.) Radik. SAPINDACEAE

ALLO. Treelet to 1.5 m tall, leaves unifoliolate. Flowers white, unisexual or polygamous, on short axillary inflorescence. Fruits about 1 cm long, red when mature, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from Nigeria to Cameroon, also on Bioko. *Conservation status*: Rare=2.

Stem count, total/50 ha = 1, Species rank = 462

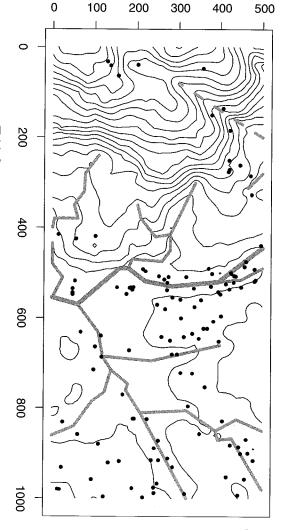
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	00	0	0.02	0.00	0.00

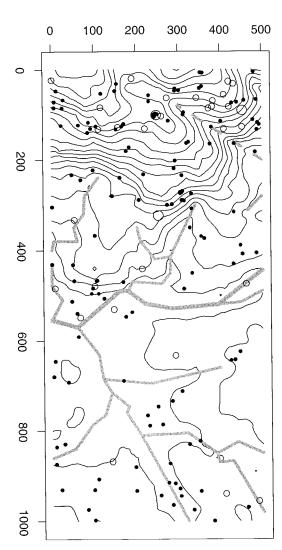
Allophylus megaphyllus Hutch. & Dalziel SAPINDACEAE

KLGH. Treelet to 2 m tall, with unifoliolate leaves. Inflorescence axillary, with white unisexual or polygamous flowers. Mature fruits small, yellow, elliptic, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from Nigeria to Cameroon. *Conservation status*: Rare=2.

Stem count, total/50 ha = 122, Species rank = 201

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	103	2.06	2.06	84.43	0.07
>2≤3	18	0.36	2.42	14.75	0.03
>3≤4	1	0.02	2.44	0.82	0.00
>4≤5	0	0	2.44	0.00	0.00
>5≤10	0	0	2.44	0.00	0.00
>10≤20	0	0	2.44	0.00	0.00
>20≤30	0	0	2.44	0.00	0.00
>30≤60	0	0	2.44	0.00	0.00
>60	0	0	2.44	0.00	0.00





SAP5. Treelet to 4 m tall. Flowers probably unisexual or polygamous, fruits probably dehiscent, exposing bi-colored animal-dispersed seeds. *Taxonomic notes*: Never found in flower, probably saplings of a larger tree. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 170, Species rank = 174

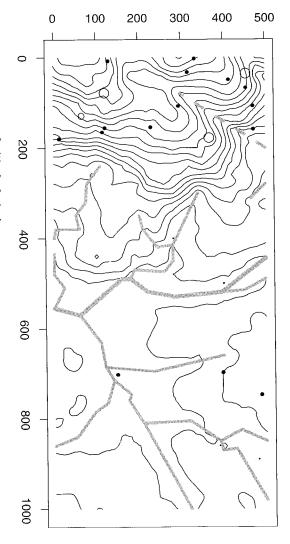
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	77	1.54	1.54	45.29	0.06
>2≤3	29	0.58	2.12	17.06	0.04
>3≤4	24	0.48	2.6	14.12	0.06
>4≤5	8	0.16	2.76	4.71	0.03
>5≤10	17	0.34	3.1	10.00	0.04
>10≤20	10	0.2	3.3	5.88	0.07
>20≤30	2	0.04	3.34	1.18	0.04
>30≤60	3	0.06	3.4	1.76	0.08
>60	0	0	3.4	0.00	0.00

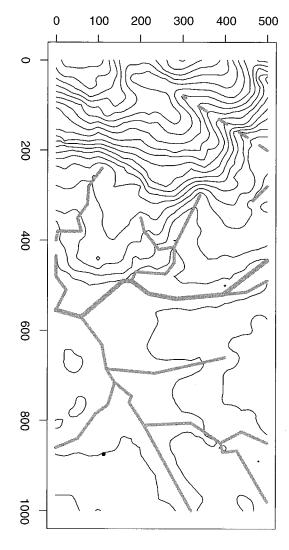
Blighia sp. "COLL" SAPINDACEAE

COLL. Probably a large tree to 40 m tall, to 1 m dbh. Flowers unisexual or polygamous, fruits probably dehiscent, exposing black seeds with conspicuous orange or yellow aril, animal-dispersed. *Taxonomic notes*: Most likely to be *Blighia welwitschii* (Hiern) Radlk. based on leaves, fertile material needed. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 20, Species rank = 328

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	45.00	0.01
>2≤3	5	0.1	0.28	25.00	0.01
>3≤4	2	0.04	0.32	10.00	0.01
>4≤5	0	0	0.32	0.00	0.00
>5≤10	1	0.02	0.34	5.00	0.00
>10≤20	0	0	0.34	0.00	0.00
>20≤30	0	0	0.34	0.00	0.00
>30≤60	3	0.06	0.4	15.00	0.08
>60	0	0	0.4	0.00	0.00





CHY1. Treelet to 2 m tall, usually unbranched with a terminal rosette of large leaves. Flowers probably unisexual and dioecious, fruits probably fleshy and animal-dispersed. *Taxonomic notes*: Probably same as *Chytranthus* sp "CHY2". *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

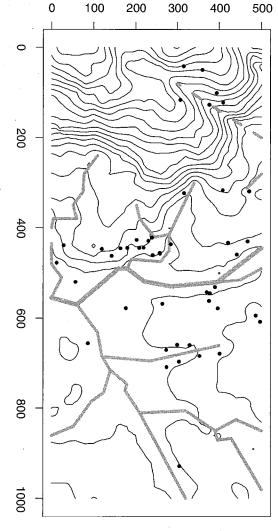
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0 -	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

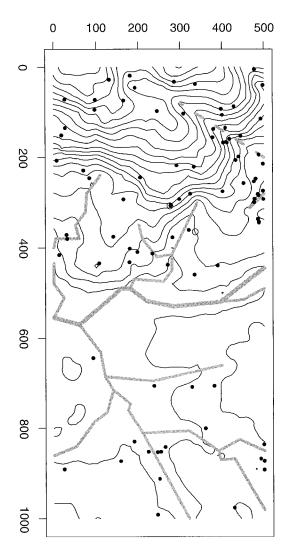
Chytranthus sp. "CHY2" SAPINDACEAE

CHY2. Treelet to 2 m tall. usually unbranched with a terminal rosette of large leaves. Inflorescence short and compact, cauliflorous. Flowers brown, probably dioecious. Fruit red at maturity, about 3 cm diameter, 2.5 cm long, animal-dispersed. *Taxonomic notes*: Fertile material did not match species in *Flore du Cameroun*, further study needed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 47, Species rank = 276

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	42	0.84	0.84	89.36	0.03
>2≤3	3	0.06	0.9	6.38	0.00
>3≤4	2	0.04	0.94	4.26	0.01
>4≤5	0	0	0.94	0.00	0.00
>5≤10	0	0	0.94	0.00	0.00
>10≤20	0	0	0.94	0.00	0.00
>20≤30	0	0	0.94	0.00	0.00
>30≤60	0	0	0.94	0.00	0.00
>60	0	0	0.94	0.00	0.00





CHY4. Treelet of 2-3 m tall, usually unbranched with a terminal rosette of large leaves. Flowers probably dioecious, fruits probably fleshy and animal-dispersed. *Taxonomic notes*: Separated from CHY2 on narrower leaflets. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 89, Species rank = 219

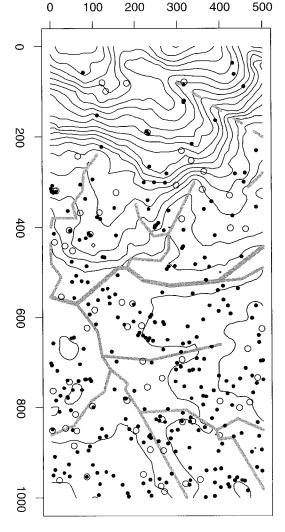
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	68	1.36	1.36	76.40	0.05
>2≤3	15	0.3	1.66	16.85	0.02
>3≤4	4	0.08	1.74	4.49	0.01
>4≤5	0	0	1.74	0.00	0.00
>5≤10	1	0.02	1.76	1.12	0.00
>10≤20	1	0.02	1.78	1.12	0.01
>20≤30	0	0	1.78	0.00	0.00
>30≤60	0	0	1.78	0.00	0.00
>60	0	0	1.78	0.00	0.00

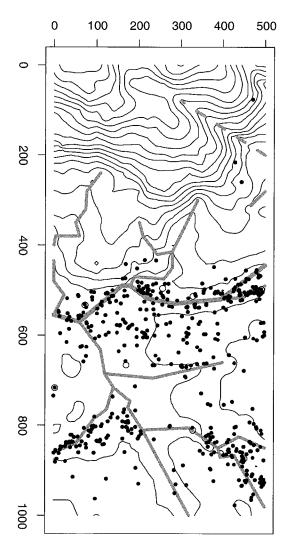
Chytranthus talbotii (Baker f.) Keay SAPINDACEAE

CHTA. Small tree to 10 m tall, unbranched (or with few, erect branches) and a terminal rosette of very large leaves. Inflorescence borne at the base of the trunk, flowers white, probably dioecious. Fruits yellow when mature, ovoid, up to 12 cm long, animal-dispersed. Reported to be edible, but not eaten in the Korup area. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, Ivory Coast to Cameroon and Congo. *Conservation status*: Common.

Stem count, total/50 ha = 345, Species rank = 124

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Diameter	Total no.	No. trees	Cumulative	% by size	% of all
class (cm)	trees in	per ha	tree count	class	species by
	50 ha		per ha		size class
1≤2	128	2.56	2.56	37.10	0.09
>2≤3	73	1.46	4.02	21.16	0.11
>3≤4	51	1.02	5.04	14.78	0.14
>4≤5	29	0.58	5.62	8.41	0.12
>5≤10	54	1.08	6.7	15.65	0.14
>10≤20	10	0.2	6.9	2.90	0.07
>20≤30	0	0	6.9	0.00	0.00
>30≤60	0	0	6.9	0.00	0.00
>60	0	0	6.9	0.00	0.00





CHY3. Treelet to 6 m tall, usually less, leaves with 4-6 pairs of leaflets. Inflorescence mainly on the trunk, flowers unisexual, probably dioecious. Fruits of 1-3 gibbous carpels, about 2.5 cm diameter, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, from Sierra Leone to Gabon. *Conservation status*: Common.

Stem count, total/50 ha = 501, Species rank = 102

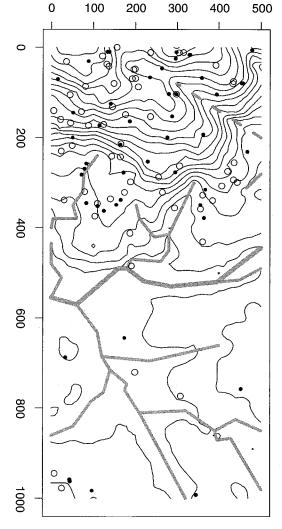
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	223	4.46	4.46	44.51	0.16
>2≤3	149	2.98	7.44	29.74	0.22
>3≤4	80	1.6	9.04	15.97	0.21
>4≤5	40	0.8	9.84	7.98	0.17
>5≤10	9	0.18	10.02	1.80	0.02
>10≤20	0	0	10.02	0.00	0.00
>20≤30	0	0	10.02	0.00	0.00
>30≤60	0	0	10.02	0.00	0.00
>60	0	0	10.02	0.00	0.00

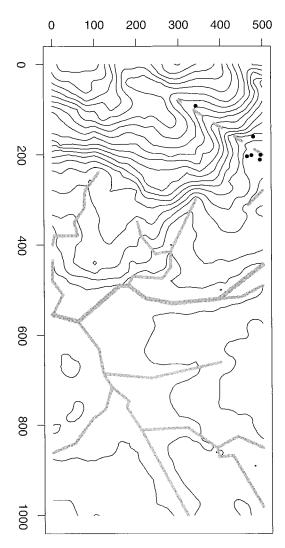
Deinbollia pycnophylla Gilg ex Raldkofer SAPINDACEAE

COSL. Small tree to 8 m tall, with straight bole and few branches with terminal rosettes of leaves. Leaves with up to 19 pairs of small leaflets. Inflorescence terminal, flowers unisexual. Fruits glabrous, 15-20 mm, with a single seed, animal-dispersed. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea endemic, from Cameroon to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 109, Species rank = 209

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	21	0.42	0.42	19.27	0.02
>2≤3	9	0.18	0.6	8.26	0.01
>3≤4	8	0.16	0.76	7.34	0.02
>4≤5	11	0.22	0.98	10.09	0.05
>5≤10	31	0.62	1.6	28.44	0.08
>10≤20	25	0.5	2.1	22.94	0.17
>20≤30	4	0.08	2.18	3.67	0.07
>30≤60	0	0	2.18	0.00	0.00
>60	0	0	2.18	0.00	0.00





DEUN. Treelet to 3 m tall, usually unbranched or with a few erect branches, leaves clustered apically, with only a single pair of large leaflets. Flowers apparently dioecious. Fruits with 1-3 gibbous carpels, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Endemic to Korup area. *Conservation status*: Rare=1.

Stem count, total/50 ha = 6, Species rank = 407

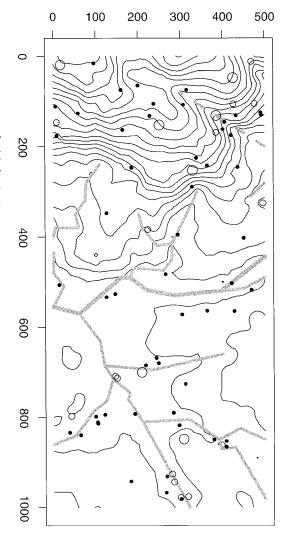
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1/0		0.40		100.00	
1≤2	6	0.12	0.12	100.00	0.00
>2≤3	0	0	0.12	0.00	0.00
>3≤4	0	0	0.12	0.00	0.00
>4≤5	0	0	0.12	0.00	0.00
>5≤10	0	0	0.12	0.00	0.00
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00

Eriocoelum sp. "ERIO" SAPINDACEAE

ERIO. Medium-sized tree to 15 m tall. Flowers unisexual, mature fruits reddish, 3-sided, c. 3 cm diameter, dehiscent, exposing arilate, animal-dispersed seeds. *Taxonomic notes*: Flowering material needed to identify species. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 76, Species rank = 240

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	37	0.74	0.74	48.68	0.03
>2≤3	7	0.14	0.88	9.21	0.01
>3≤4	6	0.12	1	7.89	0.02
>4≤5	5	0.1	1.1	6.58	0.02
>5≤10	6	0.12	1.22	7.89	0.02
>10≤20	6	0.12	1.34	7.89	0.04
>20≤30	2	0.04	1.38	2.63	0.04
>30≤60	6	0.12	1.5	7.89	0.17
>60	1	0.02	1.52	1.32	0.19



Laccodiscus ferrugineus (Baker) Radlk. SAPINDACEAE

1000

LAFE. Treelet to 3 m tall, leaves and petioles hirsute. Inflorescence terminal, with polygamous flowers. Fruits 3-lobed, about 15 mm diameter, reddish-brown and hispid, dehiscing to expose the small arillate seeds, animal-dispersed. *Taxonomic notes*: Polymorphic species, needs a thorough study. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Apparently common within its range.

Stem count, total/50 ha = 491, Species rank = 104

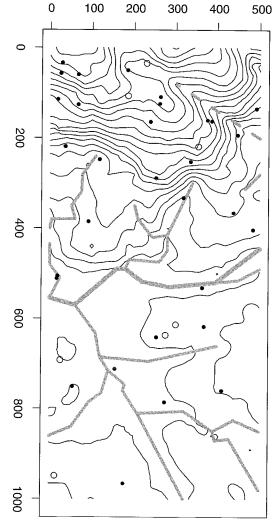
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	328	6.56	6.56	66.80	0.24
>2≤3	116	2.32	8.88	23.63	0.17
>3≤4	37	0.74	9.62	7.54	0.10
>4≤5	8	0.16	9.78	1.63	0.03
>5≤10	2	0.04	9.82	0.41	0.01
>10≤20	0	0	9.82	0.00	0.00
>20≤30	0	0	9.82	0.00	0.00
>30≤60	0	0	9.82	0.00	0.00
>60	0	0	9.82	0.00	0.00

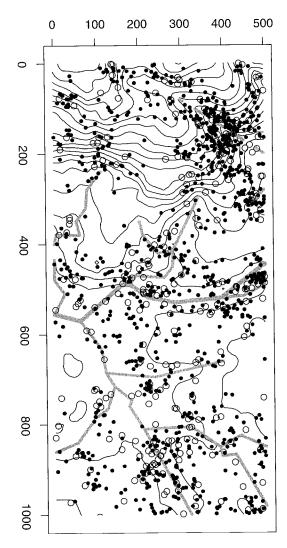
Laccodiscus pseudostipularis Radlik SAPINDACEAE

LACC. Medium-sized tree, to about 25 m tall with a compact crown. Inflorescence long, bearing small, white unisexual or polygamous flowers. Mature fruits reddish, hispid, about 15 mm long, dehiscing to expose the small arilate, seeds animal-dispersed. *Taxonomic notes*: Easily recognized by the deeply toothed leaflets and conspicuous stipule-like lowest pair. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin. *Conservation status*: Common.

Stem count, total/50 ha = 39, Species rank = 290

Diameter	Total no.	No. trees	Cumulative	% by size	% of all
class (cm)	trees in	per ha	tree count	class	species by
	50 ha		per ha		size class
1≤2	16	0.32	0.32	41.03	0.01
>2≤3	6	0.12	0.44	15.38	0.01
>3≤4	6	0.12	0.56	15.38	0.02
>4≤5	4	0.08	0.64	10.26	0.02
>5≤10	4	0.08	0.72	10.26	0.01
>10≤20	2	0.04	0.76	5.13	0.01
>20≤30	1	0.02	0.78	2.56	0.02
>30≤60	0	0	0.78	0.00	0.00
>60	0	0	0.78	0.00	0.00





PLA. Small, spreading tree to 8 m tall, cauliflorous. Flowers unisexual, possibly dioecious, brownish, fruits probably fleshy and animal-dispersed. *Taxonomic notes*: Flowering material not yet matched to species. *Det. level*: F1,G1,S3. *Distribution*: Not known

Stem count, total/50 ha = 1287, Species rank = 51

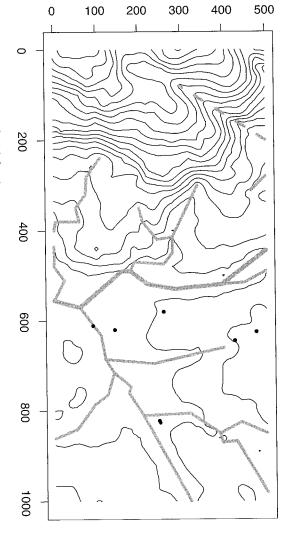
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	328	6.56	6.56	25.49	0.24
>2≤3	310	6.2	12.76	24.09	0.47
>3≤4	224	4.48	17.24	17.40	0.60
>4≤5	150	3	20.24	11.66	0.65
>5≤10	244	4.88	25.12	18.96	0.61
>10≤20	31	0.62	25.74	2.41	0.21
>20≤30	0	0	25.74	0.00	0.00
>30≤60	0	0	25.74	0.00	0.00
>60	0	0	25.74	0.00	0.00

Laccodiscus sp. "LACS" SAPINDACEAE

LACS. Treelet to 2 m tall, leaves hirsute with small leaflets. *Taxonomic notes*: Probably a different form of the polymorphic species *Laccodiscus ferrugineus* (Baker) Radlk *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 7, Species rank = 396

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6	0.12	0.12	85.71	0.00
>2≤3	1	0.02	0.14	14.29	0.00
>3≤4	0	0	0.14	0.00	0.00
>4≤5	0	0	0.14	0.00	0.00
>5≤10	0	0	0.14	0.00	0.00
>10≤20	0	0	0.14	0.00	0.00
>20≤30	0	0	0.14	0.00	0.00
>30≤60	0	0	0.14	0.00	0.00
>60	0	0	0.14	0.00	0.00



WLOV. Probably a small tree, leaves pinnately compound with winged rachis. *Taxonomic notes*: Sapling. *Det. level*: F2,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

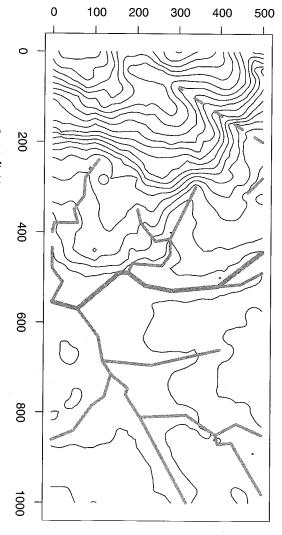
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	100.00	0.002
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Sapindaceae sp. "ALEL" SAPINDACEAE

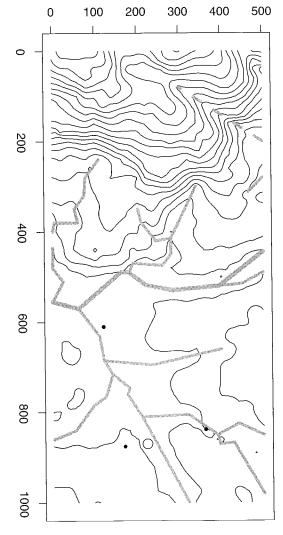
ALEL. A treelet to 3 m tall, leaves compound with large elliptic leaflets. *Taxonomic notes*: Probably a sapling of a larger tree. *Det. level*: F2,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 1, Species rank = 462

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	0	0	0	0.00	0.00
>5≤10	0	0	0	0.00	0.00
>10≤20	0	0	0	0.00	0.00
>20≤30	0	0	0	0.00	0.00
>30≤60	0	0	0	0.00	0.00
>60	1	0.02	0.02	100.00	0.19



Baillonella toxisperma Pierre SAPOTACEAE



BATO. Large canopy tree, reaching 45-50 m in height and 3.0 m dbh with a straight cylindrical bole and no buttresses. Leaves clustered terminally on the thick branchlets. Flowers bisexual, in dense fascicles at the end of branchlets. Fruits spherical, about 6 cm diameter, with 1 or 2 ellipsoid seeds. Timber species with the commercial name *Adzap* or *Djabi*. The seeds yield a vegetable oil prized for cooking and also used in traditional pharmacopoeia. This species often regenerates poorly in areas where it is common. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from Southern Nigeria to Gabon. *Conservation status*: Common.

Stem count, total/50 ha = 4, Species rank = 421

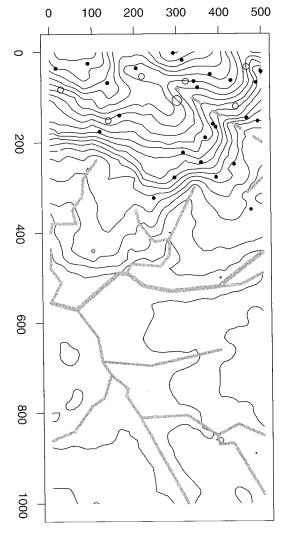
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	1	0.02	0.06	25.00	0.00
>3≤4	0	0	0.06	0.00	0.00
>4≤5	0	0	0.06	0.00	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	1	0.02	0.08	25.00	0.19

Chrysophyllum delevoyi De Wild. SAPOTACEAE

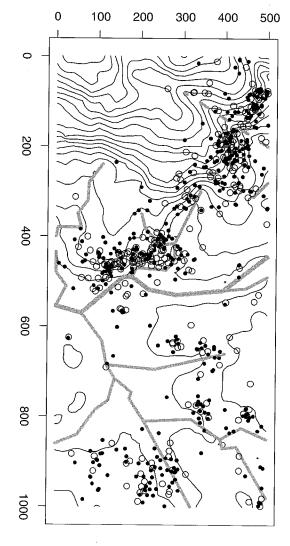
GAAF. Medium-sized tree of 20-30 m tall and reaching 60 cm dbh. Flowers small, globulous, in axillary fascicles. Fruits ovoid, yellow to orange when matured, about 6 cm long and 5 cm diameter, generally with 5 flattened seeds, animal-dispersed. Fruits edible. *Taxonomic notes*: Polymorphic species, needs a revision. Synonym: *Gambea africana* (Baker) Pierre. *Det. level*: F1,G1,S2. *Distribution*: Probably Upper and Lower Guinea. *Conservation status*: Common.

Stem count, total/50 ha = 33, Species rank = 301

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	11	0.22	0.22	33.33	0.01
>2≤3	9	0.18	0.4	27.27	0.01
>3≤4	3	0.06	0.46	9.09	0.01
>4≤5	3	0.06	0.52	9.09	0.01
>5≤10	4	0.08	0.6	12.12	0.01
>10≤20	2	0.04	0.64	6.06	0.01
>20≤30	0	0	0.64	0.00	0.00
>30≤60	1	0.02	0.66	3.03	0.03
>60	0	0	0.66	0.00	0.00



Englerophytum sp. "ENGI"



ENGI. Small tree to 12 m tall, flowers bisexual, cauliflorous. Fruits spherical, about 3 cm diameter, animal-dispersed, said to be edible. *Taxonomic notes*: This species is noted in the *Flore du Cameroon* vol. 2 by Aubreville as *Englerophytum kennedyi* without any typification. Needs to be described and typified. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea endemic, SE Nigeria and Cameroon. *Conservation status*: Rare=2.

Stem count, total/50 ha = 651, Species rank = 90

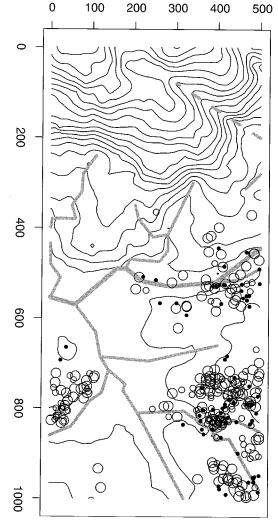
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	104	2.08	2.08	15.98	0.08
>2≤3	105	2.1	4.18	16.13	0.16
>3≤4	111	2.22	6.4	17.05	0.30
>4≤5	79	1.58	7.98	12.14	0.34
>5≤10	173	3.46	11.44	26.57	0.43
>10≤20	72	1.44	12.88	11.06	0.49
>20≤30	7	0.14	13.02	1.08	0.13
>30≤60	0	0	13.02	0.00	0.00
>60	0	0	13.02	0.00	0.00

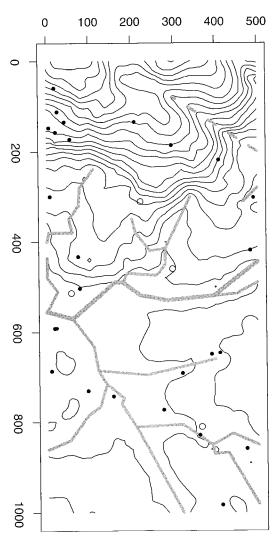
Lecomtedoxa klaineana (Pierre ex Engl.) Dubard SAPOTACEAE

LEKL. A large tree to 40 m tall, reaching 100 cm dbh, with tall buttresses and spreading crown. Flowers white, bisexual. Fruits green, pyriform, about 5 cm long and 2.5 cm wide, with a single flattened seed. The leathery fruit is weakly dehiscent, splitting to expose the hard brown seed. Dispersal method not known. The hard wood is used locally as timber in the construction of bridges. *Taxonomic notes*: In *Flore du Cameroun* vol. 2, Aubreville states that this species lacks buttresses, so further verification is needed to see if the Korup tree is truly this, or a closely-related, undescribed species. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea endemic, from Cameroon to Gabon, in coastal forest. *Conservation status*: Rare=3 (Rare=1 if it is a new species).

Stem count, total/50 ha = 303, Species rank = 127

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	35	0.7	0.7	11.55	0.03
>2≤3	13	0.26	0.96	4.29	0.02
>3≤4	12	0.24	1.2	3.96	0.03
>4≤5	7	0.14	1.34	2.31	0.03
>5≤10	28	0.56	1.9	9.24	0.07
>10≤20	42	0.84	2.74	13.86	0.29
>20≤30	22	0.44	3.18	7.26	0.41
>30≤60	51	1.02	4.2	16.83	1.41
>60	93	1.86	6.06	30.69	17.61





ENG2. Medium-sized tree to 20 m tall and 50 cm dbh. Leaves discolored, greenish above, gray underneath, clustered at the tips of the branchlets. Flowers in axillary fascicles. Fruits brown, 1-2.5 cm long, 1-1.5 cm wide, animal-dispersed. *Taxonomic notes*: This species is close to *M. pellegriniana* Tisserant & Sillans, but differs with the triangular persistent stipules, the shorter petioles, and the much longer pedicels. Detailed studies indicate that it belongs to a new species. *Det. level:* F1,G1,S1. *Distribution:* So far known only from Korup. *Conservation status*: Rare=1.

Stem count, total/50 ha = 1, Species rank = 462

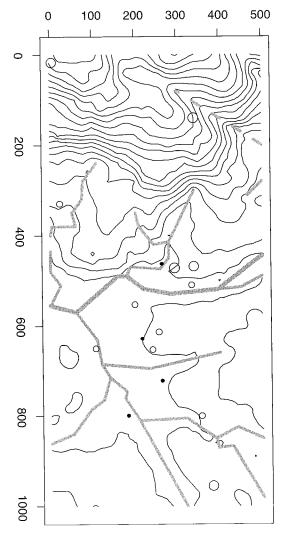
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	100.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Omphalocarpum elatum Miers SAPOTACEAE

OMPI. Medium-sized or tall trees, reaching 30 m in height, with compact, dense, evergreen crown. Flowers bisexual, cauliflorous on the trunk. Fruits large, flattened/subglose about 15 cm diameter and 8 cm high, reaching a weight of 2 kg when fresh, with numerous flattened seeds of about 4 cm long and 2.5 cm large, animal-dispersed. Seeds used as ornaments and to make rattles. *Taxonomic notes*: Close to *O. procerum* P. Beauv. from which it differs mainly in the pedicellate flowers. Need flowers for verification. *Det. level*: F1,G1,S2. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.

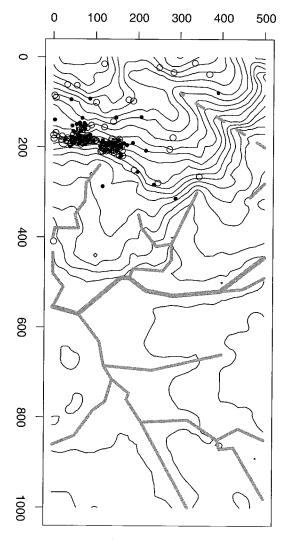
Stem count, total/50 ha = 16, Species rank = 347

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	18.75	0.00
>2≤3	0	0	0.06	0.00	0.00
>3≤4	1	0.02	0.08	6.25	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	3	0.06	0.14	18.75	0.01
>10≤20	1	0.02	0.16	6.25	0.01
>20≤30	3	0.06	0.22	18.75	0.06
>30≤60	4	0.08	0.3	25.00	0.11
>60	1	0.02	0.32	6.25	0.19



Synsepalum stipulatum (Radlk.) Engl. SAPOTACEAE

SYST. Small tree common on rock outcrops, branching low, flowers bisexual, in axillary fascicles. Fruits ellipsoid, red at maturity, 2 cm long and 1-1.5 cm wide, 1-seeded, animal-dispersed. Fruits edible. *Taxonomic notes*: Synonym: *S. longecuneatum* De Wild., poorly known genus needs revision. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea and Congo Basin, from Nigeria to Eastern Democratic Republic of Congo. *Conservation status*: Common.



Stem count, total/50 ha = 199, Species rank = 157

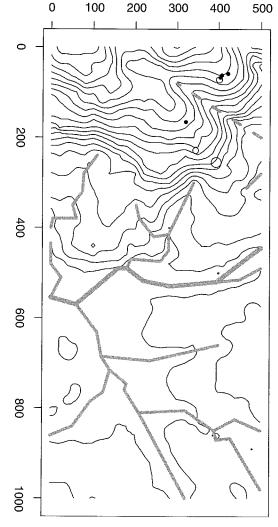
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	35	0.7	0.7	17.59	0.03
>2≤3	21	0.42	1.12	10.55	0.03
>3≤4	23	0.46	1.58	11.56	0.06
>4≤5	5	0.1	1.68	2.51	0.02
>5≤10	49	0.98	2.66	24.62	0.12
>10≤20	55	1.1	3.76	27.64	0.37
>20≤30	10	0.2	3.96	5.03	0.19
>30≤60	1	0.02	3.98	0.50	0.03
>60	0	0	3.98	0.00	0.00

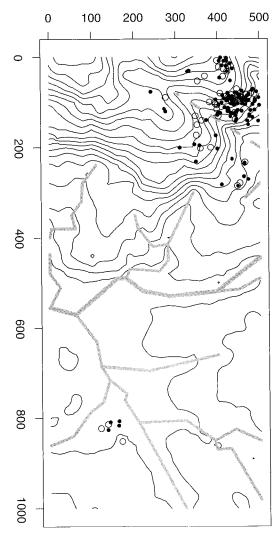
Zeyherella letestui Aubr. & Pellegr. SAPOTACEAE

ZELE. Medium-sized tree of about 20 m in height and 50 cm dbh, with compact crown. Foliage conspicuous with the leaves brown underneath. Flowers bisexual, in dense fascicles on old wood. Mature fruits brown, cylindrical, about 5 cm long and 2 cm diameter, animal-dispersed. *Taxonomic notes*: Our collection is probably the second from Cameroon. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic, known only from Gabon and Cameroon. *Conservation status*: Rare=2.

Stem count, total/50 ha = 7, Species rank = 396

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	28.57	0.001
>2≤3	1	0.02	0.06	14.29	0.002
>3≤4	1	0.02	0.08	14.29	0.003
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	2	0.04	0.12	28.57	0.01
>20≤30	0	0	0.12	0.00	0.00
>30≤60	1	0.02	0.14	14.29	0.03
>60	0	0	0.14	0.00	0.00





SAPO. Small tree to 6 m tall and up to 15 cm dbh. Flowers minute, bisexual. Fruit ovoid, beaked, with prominent ribs and tubercules, about 4 cm diameter, red when mature, fruit animal-dispersed. *Taxonomic notes*: We are placing "SAPO" in the genus *Testulea* on the fruit morphology. This is the first report of this genus from Cameroon, and "SAPO" is an undescribed species. *Det. level*: F1,G2,S3. *Distribution*: Apparently a narrow endemic. *Conservation status*: Rare=1.

Stem count, total/50 ha = 160, Species rank = 181

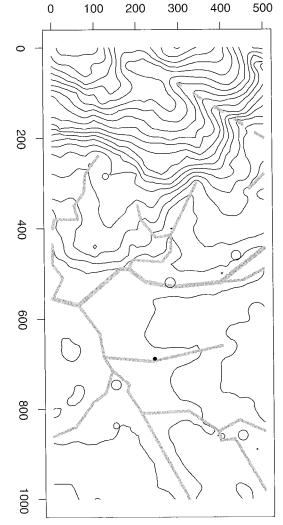
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	29	0.58	0.58	18.13	0.02
>2≤3	29	0.58	1.16	18.13	0.04
>3≤4	27	0.54	1.7	16.88	0.07
>4≤5	23	0.46	2.16	14.38	0.10
>5≤10	44	0.88	3.04	27.50	0.11
>10≤20	8	0.16	3.2	5.00	0.05
>20≤30	0	0	3.2	0.00	0.00
>30≤60	0	0	3.2	0.00	0.00
>60	0	0	3.2	0.00	0.00

Pierreodendron africanum (Hook.f.) Little SIMAROUBACEAE

ENT2. Medium-sized tree to 25 or 30 m tail, 50 cm dbh, with a compact crown of very large leaves, wood soft. Inflorescences large with numerous reddish unisexual or polygamous flowers. Fruits about 7 cm long, woody, probably animal-dispersed. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea. *Conservation status*: Common.

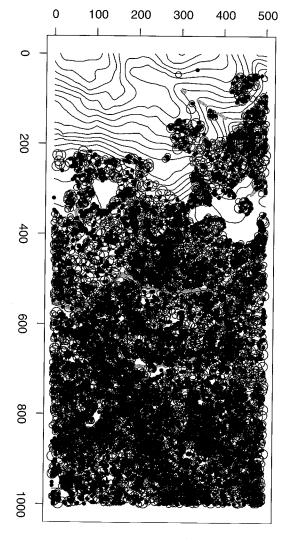
Stem count, total/50 ha = 7, Species rank = 396

				. , - 1	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	1	0.02	0.02	14.29	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	2	0.04	0.06	28.57	0.01
>20≤30	0	0	0.06	0.00	0.00
>30≤60	4	0.08	0.14	57.14	0.11
>60	0	0	0.14	0.00	0.00



Oubanguia alata Bak. f. SCYTOPETALACEAE (Lecythidaceae¹)

OUAL. Medium-sized tree reaching 25 m in height, and 50 cm dbh. Flowers bisexual, white and showy in terminal and subterminal panicles. Fruits oblong-ovoid, about 2 cm long, light blue when mature, dehiscent, seeds probably animal-dispersed. Seed edible. *Taxonomic notes*: Distinguished from other *O.* spp. by the three wings on the branchlets. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, abundant in the Korup area, also reported from Gabon, absent elsewhere. *Conservation status*: Rare=3.



Stem count, total/50 ha = 14,918, Species rank = 5

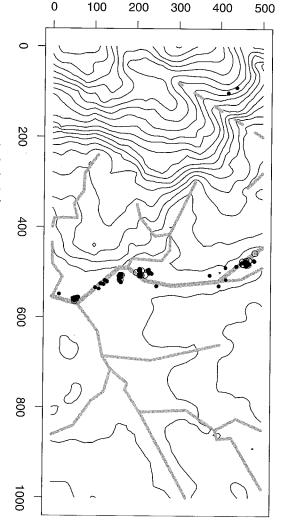
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3700	74	74	24.80	2.68
>2≤3	2072	41.44	115.44	13.89	3.12
>3≤4	1430	28.6	144.04	9.59	3.81
>4≤5	1061	21.22	165.26	7.11	4.57
>5≤10	2602	52.04	217.3	17.44	6.54
>10≤20	1904	38.08	255.38	12.76	12.93
>20≤30	1256	25.12	280.5	8.42	23.53
>30≤60	883	17.66	298.16	5.92	24.42
>60	10	0.2	298.36	0.07	1.89

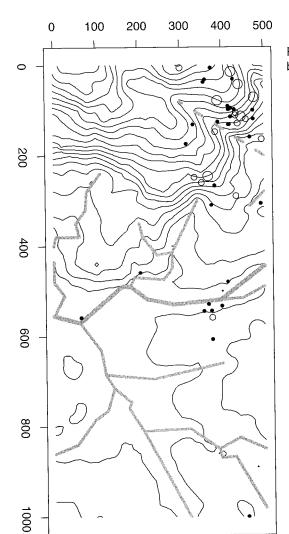
Oubanguia laurifolia (Pierre ex De Wild.) V. Tiegh. SCYTOPETALACEAE (Lecythidaceae¹)

OULA. Small- to medium-sized tree to 20 m tall and 60 cm dbh. Flowers bisexsual in terminal/subterminal panicles. Fruits rounded, about 1.5 cm long, 1-seeded, animal-dispersed. *Taxonomic notes*: Distinguished from *O. africana* on the basis of the coriceous leaves, with symmetrical bases. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Gabon, in coastal forests. *Conservation status*: Rare=2.

Stem count, total/50 ha = 93, Species rank = 216

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	51	1.02	1.02	54.84	0.04
>2≤3	14	0.28	1.3	15.05	0.02
>3≤4	10	0.2	1.5	10.75	0.03
>4≤5	3	0.06	1.56	3.23	0.01
>5≤10	8	0.16	1.72	8.60	0.02
>10≤20	6	0.12	1.84	6.45	0.04
>20≤30	1	0.02	1.86	1.08	0.02
>30≤60	0	0	1.86	0.00	0.00
>60	0	0	1.86	0.00	0.00





RHA3. Small tree to 15 m tall. *Taxonomic notes*: Separated from congenerics on the basis of the smaller leaves. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 47, Species rank = 276

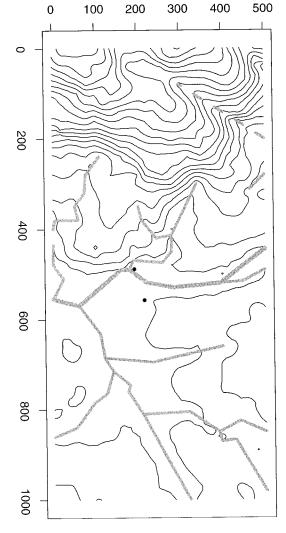
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	24	0.48	0.48	51.06	0.02
>2≤3	4	0.08	0.56	8.51	0.01
>3≤4	1	0.02	0.58	2.13	0.00
>4≤5	1	0.02	0.6	2.13	0.00
>5≤10	4	0.08	0.68	8.51	0.01
>10≤20	2	0.04	0.72	4.26	0.01
>20≤30	5	0.1	0.82	10.64	0.09
>30≤60	6	0.12	0.94	12.77	0.17
>60	0	0	0.94	0.00	0.00

Rhaptopetalum sp. "RHA4" SCYTOPETALACEAE (Lecythidaceae 1)

RHA4. Probably a small tree. *Taxonomic notes*: Distinguished from congenerics in the KFDP on the basis of large leaves and terete branchlets. *Det. level*: F1,G2,S3. *Distribution*: Not known.

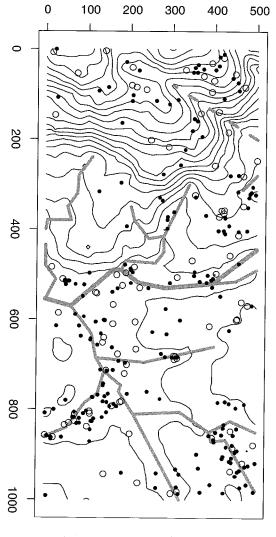
Stem count, total/50 ha = 2, Species rank = 444

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	1	0.02	0.04	50.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00



Rhaptopetalum sp. nov. "RHA2" SCYTOPETALACEAE (Lecythidaceae¹)

RHA2. Small tree to 10 m tall, monoecious. Flowers bisexual, fruits ellipsoid, about 2 cm long and 1 cm diameter, probably animal-dispersed. Taxonomic notes: This species is close to R. sessilifolium Engl. but belongs to a new species based on the flowers and the winged branchlets. Det. level: F1,G1,S1. Distribution: Probably a narrow endemic. Conservation status: Rare=1.



Stem count, total/50 ha = 292, Species rank = 131

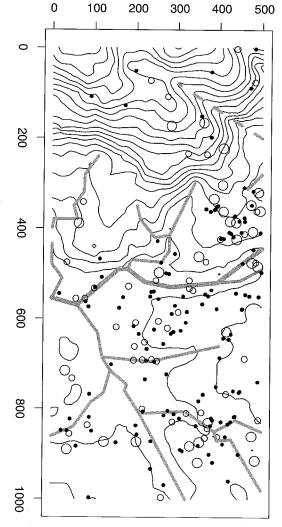
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	114	2.28	2.28	39.04	0.08
>2≤3	50	1	3.28	17.12	0.08
>3≤4	33	0.66	3.94	11.30	0.09
>4≤5	9	0.18	4.12	3.08	0.04
>5≤10	58	1.16	5.28	19.86	0.15
>10≤20	28	0.56	5.84	9.59	0.19
>20≤30	0	0	5.84	0.00	0.00
>30≤60	0	0	5.84	0.00	0.00
>60	0	00	5.84	0.00	0.00

Scytopetalum klaineanum Pierre ex Engl. SCYTOPETALACEAE (Lecythidaceae¹)

SCKL. Large tree, reaching 40 m in height and 100 cm dbh. Flowers bisexual, in terminal racemes. Fruits ovoid, 2 cm long, purplish when mature, 1-seeded, animaldispersed. Taxonomic notes: Separated from S. pierreanum (De Wild.) Van Tiegh. on the basis of the symmetrical leaf base. Det. level. F1,G1,S1. Distribution: Lower Guinea endemic, from Cameroon to Congo, reaches Angola. Conservation status: Common.

Stem count, total/50 ha = 199, Species rank = 157

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count	% by size class	% of all species by
1.10		 	per ha		size class
1≤2	63	1.26	1.26	31.66	0.05
>2≤3	35	0.7	1.96	17.59	0.05
>3≤4	16	0.32	2.28	8.04	0.04
>4≤5	11	0.22	2.5	5.53	0.05
>5≤10	21	0.42	2.92	10.55	0.05
>10≤20	19	0.38	3.3	9.55	0.13
>20≤30	5	0.1	3.4	2.51	0.09
>30≤60	22	0.44	3.84	11.06	0.61
>60	77	0.14	3.98	3.52	1.33



Cola acuminata (P. Beauv.) Schott & Endl. STERCULIACEAE (Malvaceae¹)

CONI. Small- to medium-sized tree to 20 m tall and 50 cm dbh. Leaves simple, clustered with long petioles. Flowers unisexual, monoecious, on the branches. Fruits compound with up to 6 green/grey carpels, each 8-20 cm long and 2-5 cm large, animal-dispersed. The seeds are bitter, eaten as "cola nuts". This species is often cultivated in the Korup area, the seeds are important economically, mostly harvested from cultivated trees. *Taxonomic notes*: Closely related to C. nitida from which it differs in having seeds with more than 2 cotyledons. *Det. level*: F1,G1,S1. *Distribution*: Upper Guinea mostly, extends to Cameroon. Introduced and cultivated in other countries. *Conservation status*: Common.

Stem count, total/50 ha = 189, Species rank = 167

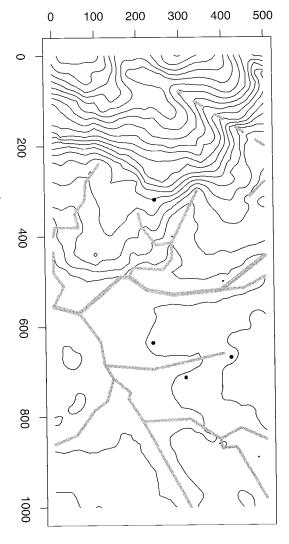
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	30	0.6	0.6	15.87	0.02
>2≤3	26	0.52	1.12	13.76	0.04
>3≤4	16	0.32	1.44	8.47	0.04
>4≤5	14	0.28	1.72	7.41	0.06
>5≤10	25	0.5	2.22	13.23	0.06
>10≤20	42	0.84	3.06	22.22	0.29
>20≤30	31	0.62	3.68	16.40	0.58
>30≤60	5	0.1	3.78	2.65	0.14
>60	0	0	3.78	0.00	0.00

Cola altissima Engl. STERCULIACEAE (Malvaceae¹)

COAL. Medium-sized tree reaching 20-30 m tall, with compact crown, monoecious, leaves simple. Flowers unisexual. Fruits very large, up to 45 cm long and 20 cm diameter, with numerous seeds, animal-dispersed. *Taxonomic notes*: Common in drier forests. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, from SE Nigeria to Gabon and northern Congo. *Conservation status*: Common.

Stem count, total/50 ha = 4, Species rank =421

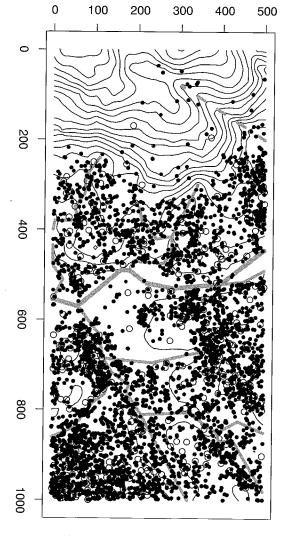
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	1	0.02	0.06	25.00	0.00
>3≤4	1	0.02	0.08	25.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00



Cola cauliflora Mast.

STERCULIACEAE (Malvaceae¹)

COCA. Small, shrubby tree to about 5 m tall. Flowers monoecious on branches and main stem. Fruit compound, with 1-6 carpels each up to 5 cm long and about 2 cm broad, red when ripe, seeds with a thick white aril, animal-dispersed. Taxonomic notes: May be synonymous with C. letestui Pellegrin. Det. level: F1,G1,S1. Distribution: Lower Guinea endemic, from SE Nigeria to Gabon. Conservation status: Locally common.



Stem count, total/50 ha = 4272, Species rank = 14

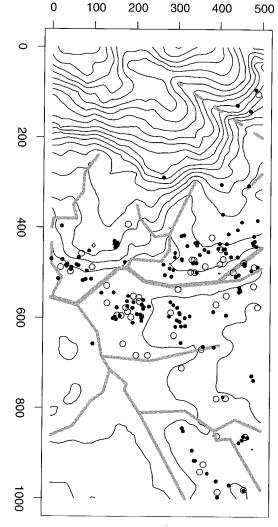
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1561	31.22	31.22	36.66	1.13
>2≤3	1041	20.82	52.04	24.45	1.57
>3≤4	734	14.68	66.72	17.24	1.96
>4≤5	448	8.96	75.68	10.52	1.93
>5≤10	467	9.34	85.02	10.97	1.17
>10≤20	7	0.14	85.16	0.16	0.05
>20≤30	0	0	85.16	0.00	0.00
>30≤60	0	0	85.16	0.00	0.00
>60	0	0	85.16	0.00	0.00

Cola chlamydantha K.Schum. STERCULIACEAE (Malvaceae¹)

COCH. Small tree to 10 m tall, often unbranched, leaves large and digitately compound with about 7 leaflets. Flowers monoecious, cauliflorous, fruits large, compound, with about 10 carpels each about 12 cm long, banana-shaped, greenish/reddish with 20-24 scarlet seeds, animal-dispersed. Taxonomic notes: Syn: Chlamydocola chlamidantha. Det. level: F1,G1,S1. Distribution: Upper and Lower Guinea. Conservation status: Locally common.

Stem count, total/50 ha = 191, Species rank = 166

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	51	1.02	1.02	26.70	0.04
>2≤3	41	0.82	1.84	21.47	0.06
>3≤4	29	0.58	2.42	15.18	0.08
>4≤5	23	0.46	2.88	12.04	0.10
>5≤10	39	0.78	3.66	20.42	0.10
>10≤20	8	0.16	3.82	4.19	0.05
>20≤30	0	0	3.82	0.00	0.00
>30≤60	0	0	3.82	0.00	0.00
>60	0	0	3.82	0.00	0.00



Cola digitata Mast. STERCULIACEAE (Malvaceae¹)

CODI. Treelet to 8 m tall, usually shorter, often unbranched with a terminal cluster of large, digitately 7-foliolate leaves. Flowers unisexual, fruits borne among the leaves. Fruits compound, with 3-4 brown-green follicles, about 10 cm long, which dehisce to expose the red interior with black, animal-dispersed seeds. *Det. level:* F1,G1,S1. *Distribution:* Upper and Lower Guinea. *Conservation status:* Common.

Stem count, total/50 ha = 414, Species rank = 118

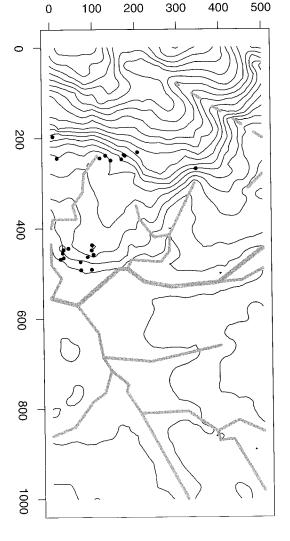
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	266	5.32	5.32	64.25	0.19
>2≤3	112	2.24	7.56	27.05	0.17
>3≤4	32	0.64	8.2	7.73	0.09
>4≤5	2	0.04	8.24	0.48	0.01
>5≤10	2	0.04	8.28	0.48	0.01
>10≤20	0	0	8.28	0.00	0.00
>20≤30	0	0	8.28	0.00	0.00
>30≤60	0	0	8.28	0.00	0.00
>60	0	0	8.28	0.00	0.00

Cola flaviflora Engl. & K.Krause STERCULIACEAE (Malvaceae¹)

COTL. Small shrubby tree or treelet to 4 m tall, leaves simple, trilobed clustered at the ends of branches. Flowers monoecious, among or below the leaves. Fruits compound, with 3-4 indehiscent folicles of 5-10 cm long, about 3 cm diameter, seeds animal-dispersed. *Taxonomic notes*: Could be confused to C. ricinifolia which has 5-lobed leaves but sometimes 3-lobed ones. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Rare=2.

Stem count, total/50 ha = 23, Species rank = 320

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	30.43	0.01
>2≤3	7	0.14	0.28	30.43	0.01
>3≤4	5	0.1	0.38	21.74	0.01
>4≤5	3	0.06	0.44	13.04	0.01
>5≤10	1	0.02	0.46	4.35	0.00
>10≤20	0	0	0.46	0.00	0.00
>20≤30	0	0	0.46	0.00	0.00
>30≤60	0	0	0.46	0.00	0.00
>60	0	0	0.46	0.00	0.00



Cola gabonensis Mast. STERCULIACEAE (Malvaceae¹)

COGA. Treelet to 2 m tall, monoecious, leaves simple. Flowers unisexual, bright yellow. Fruits compound, with up to 5 follicles, with many seeds, each having only 2 cotyledons. *Taxonomic notes*: This species is heterogeneous and needs more study within its range. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SW Cameroon to Gabon. *Conservation status*: Rare=1.

Stem count, total/50 ha = 4, Species rank = 421

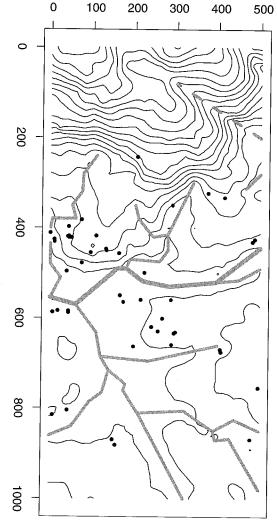
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4	0.08	0.08	100.00	0.00
>2≤3	0	0	0.08	0.00	0.00
>3≤4	0	0	0.08	0.00	0.00
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00

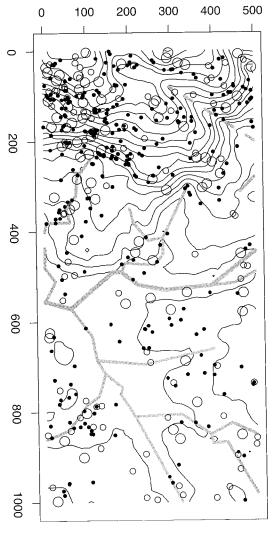
Cola heterophylla (P. Beauv.) Schott & Endl. STERCULIACEAE (Malvaceae¹)

COLS. A treelet to 3 m tall, monoecious. Leaves simple, but sometimes 2 or 3-lobed. Flowers among terminal leaves, unisexual. Fruiting carpels red, in group of 4-6, each about 2-7 cm long, animal-dispersed. *Taxonomic notes*: Could be confused with *C. flaviflora* when having trilobed leaves. *Det. level*: F1,G1,S1. *Distribution*: Mostly Upper Guinea, extends to Gabon. *Conservation status*: Locally rare.

Stem count, total/50 ha = 47, Species rank = 276

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	38	0.76	0.76	80.85	0.03
>2≤3	9	0.18	0.94	19.15	0.01
>3≤4	0	0	0.94	0.00	0.00
>4≤5	0	0	0.94	0.00	0.00
>5≤10	0	0	0.94	0.00	0.00
>10≤20	0	0	0.94	0.00	0.00
>20≤30	0	0	0.94	0.00	0.00
>30≤60	0	0	0.94	0.00	0.00
>60	00	00	0.94	0.00	0.00





COLA. Medium-sized to large tree, up reaching 35 m tall, to about 100 cm diameter above the buttresses, crown spreading, briefly deciduous. Leaves simple, entire to lobed. Flowers unisexual, monoecious, on much-branched paniculate inflorescence. Fruits compound, with 4-6 elliptic follicles of 4-8 cm long, red when ripe with mucilaginous arils, animal-dispersed. Arils reportedly edible, but not eaten in the Korup area. The rather light wood has occasionally local use, trade name *efok. Taxonomic notes*: Korup trees probably belong to the var. *lateritia. Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.

Stem count, total/50 ha = 465, Species rank = 111

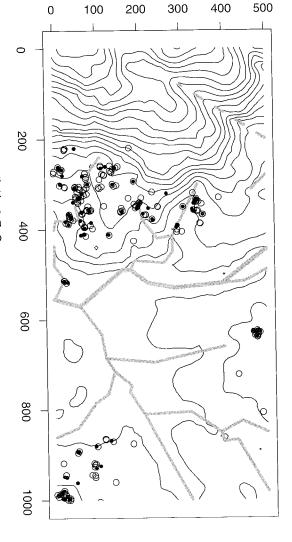
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	166	3.32	3.32	35.70	0.12
>2≤3	63	1.26	4.58	13.55	0.10
>3≤4	41	0.82	5.4	8.82	0.11
>4≤5	27	0.54	5.94	5.81	0.12
>5≤10	49	0.98	6.92	10.54	0.12
>10≤20	24	0.48	7.4	5.16	0.16
>20≤30	19	0.38	7.78	4.09	0.36
>30≤60	67	1.34	9.12	14.41	1.85
>60	9	0.18	9.3	1.94	1.70

Cola lepidota K.Schum. STERCULIACEAE (Malvaceae¹)

COLE. Small tree reaching 20 m in height and 20 cm dbh, often branching low. Monoecious. Leaves compound digitate, 3-foliolate, leaflet silver below. Flowers unisexual, cauliflorous. Fruits sub-cylindrical, about 20 cm long and 5 cm broad, dark brownish-red, seeds dark purple, flattened, up to 5 cm diameter, with a thick, crisp, white aril, animal-dispersed. Fruits are harvested for the sweet, edible arils, and often sold locally. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea, from SE Nigeria to Gabon. *Conservation status*: Common.

Stem count, total/50 ha = 285, Species rank =133

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	22	0.44	0.44	7.75	0.02
>2≤3	38	0.76	1.2	13.38	0.06
>3≤4	25	0.5	1.7	8.80	0.07
>4≤5	37	0.74	2.44	13.03	0.16
>5≤10	120	2.4	4.84	42.25	0.30
>10≤20	41	0.82	5.66	14.44	0.28
>20≤30	1	0.02	5.68	0.35	0.02
>30≤60	0	0	5.68	0.00	0.00
>60	0	0	5.68	0.00	0.00



Cola marsupium K.Schum. STERCULIACEAE (Malvaceae¹)

COMA. A treelet of 1.5-4 m tall, monoecious. Leaves simple erect hairy on petiole. Flowers unisexual, on branches. Fruits with 5-7 fusiform follicles up to 4-8 cm long, animal-dispersed. *Taxonomic notes*: Pouched, hairy leaves very distinctive. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic. *Conservation status*: Common.

Stem count, total/50 ha = 1, Species rank = 462

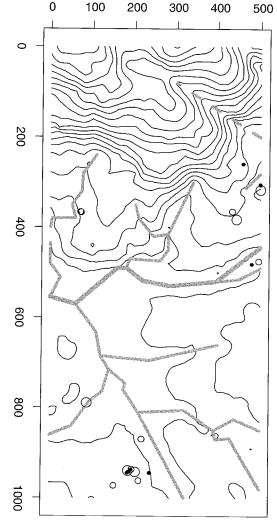
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	0	0	0	0.00	0.00
>3≤4	0	0	0	0.00	0.00
>4≤5	1	0.02	0.02	100.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Cola megalophylla Brenan & Keay STERCULIACEAE (Malvaceae¹)

COME. Medium-sized tree reaching 35 m tall, with straight bole, low buttresses and narrow, evergreen crown with few erect branches, terminating in rosettes of large leaves. Leaves compound, with more than 7 leaflets. Flowers unisexual, on branches. Fruits compound, boat-shape, dehiscent, seeds black when ripe, animal-dispersed. *Taxonomic notes*: Young individuals could be confused to *C. digitata* based on the lobed leaflets. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea, endemic to the Korup area. *Conservation status*: Rare=1.

Stem count, total/50 ha = 20, Species rank = 328

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	15.00	0.00
>2≤3	1	0.02	0.08	5.00	0.00
>3≤4	1	0.02	0.1	5.00	0.00
>4≤5	2	0.04	0.14	10.00	0.01
>5≤10	2	0.04	0.18	10.00	0.01
>10≤20	3	0.06	0.24	15.00	0.02
>20≤30	3	0.06	0.3	15.00	0.06
>30≤60	5	0.1	0.4	25.00	0.14
>60	0	0	0.4	0.00	0.00



COPA. Small tree of about 10 m high, little branched, monoecious. Leaves compound digitate, 7-9 foliolate. Flowers unisexual, on the bole. Fruits compound, with 1-4 follicles, about 20 cm long and 10 cm large, animal-dispersed. The crisp white arils are edible, and fruits are sometimes sold locally. *Taxonomic notes*: Flowers from south Cameroon (Kribi area) are smaller and yellow/pink rather than white/pink, and probably represent a different variety. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 27, Species rank = 312

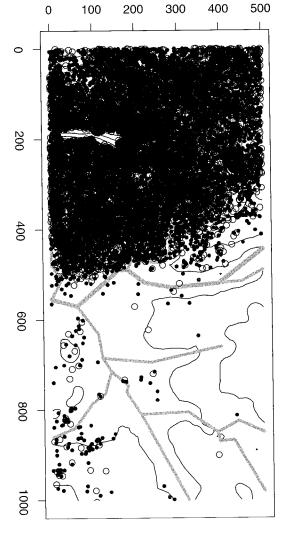
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	25.93	0.01
>2≤3	4	0.08	0.22	14.81	0.01
>3≤4	5	0.1	0.32	18.52	0.01
>4≤5	0	0	0.32	0.00	0.00
>5≤10	5	0.1	0.42	18.52	0.01
>10≤20	5	0.1	0.52	18.52	0.03
>20≤30	1	0.02	0.54	3.70	0.02
>30≤60	0	0	0.54	0.00	0.00
>60	0	0	0.54	0.00	0.00

Cola praeacuta Brenan & Keay STERCULIACEAE (Malvaceae¹)

OCT2. Small tree to 5 m tall, branched low, leaves simple, long petiolate. Flowers abundant on main trunk and branches, unisexual and monoecious. Fruits compound, with up to 9 short, thick carpels, red when ripe containing several fairly large arilate seeds, animal-dispersed. *Taxonomic notes*: Rare species, recorded also on Mt. Cameroon. *Det. level*: F1,G1,S1. *Distribution*: Endemic to Southwest Province, Cameroon, abundant locally. *Conservation status*: Rare=1.

Stem count, total/50 ha = 15498, Species rank = 4

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3336	66.72	66.72	21.56	2.42
>2≤3	2498	49.96	116.68	16.15	3.77
>3≤4	2120	42.4	159.08	13.70	5.66
>4≤5	1952	39.04	198.12	12.62	8.41
>5≤10	5149	102.98	301.1	33.28	12.94
>10≤20	415	8.3	309.4	2.68	2.82
>20≤30	1	0.02	309.42	0.01	0.02
>30≤60	0	0	309.42	0.00	0.00
>60	0	0	309.42	0.00	0.00



Cola ricinifolia Engl. & K.Krause STERCULIACEAE (Malvaceae¹)

200

300

400

500

0

1000

100

COLSL. A treelet to 4 m tall, leaves 3-lobed. *Taxonomic notes*: Specimens were different from *C. flaviflora* which also has 3-lobed leaves, probably *C. ricinifolia* though this species has mostly 5-lobed leaves, needs confirmation. *Det. level:* F1,G1,S2. *Distribution*: Lower Guinea. *Conservation status*: Rare=3.

Stem count, total/50 ha = 2, Species rank = 444

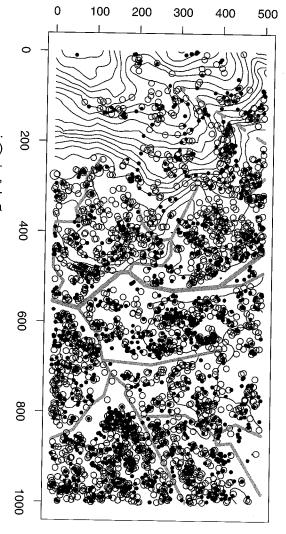
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	100.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	00	0	0.04	0.00	0.00

Cola rostrata K.Schum. STERCULIACEAE (Malvaceae¹)

CORO. Medium-sized tree reaching 20 m in height, leaves digitately compound. Flowers monoecious, on the branches. Fruiting carpels sessile, with irregular warts, ellipsoid to subglobose, 4-5 cm diameter, red with several largish arilate seeds, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SW Nigeria to Cameroon, locally abundant. *Conservation status*: Rare=2.

Stem count, total/50 ha = 3288, Species rank = 25

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	501	10.02	10.02	15.24	0.36
>2≤3	355	7.1	17.12	10.80	0.54
>3≤4	298	5.96	23.08	9.07	0.79
>4≤5	266	5.32	28.4	8.09	1.15
>5≤10	958	19.16	47.56	29.15	2.41
>10≤20	756	15.12	62.68	23.00	5.13
>20≤30	142	2.84	65.52	4.32	2.66
>30≤60	10	0.2	65.72	0.30	0.28
>60	1	0.02	65.74	0.03	0.20

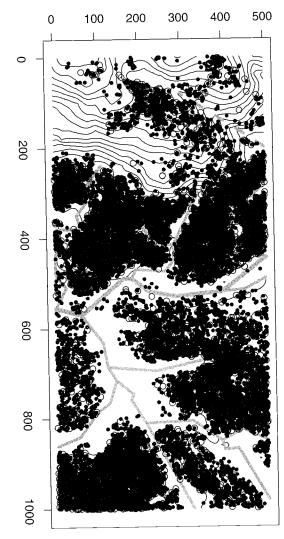


Cola semecarpophylla K.Schum. STERCULIACEAE (Malvaceae¹)

COSE. Treelet, unbranched to few erect branches, each ending in a rosette of large leaves, seldom more than 8 m tall, 10 cm dbh. Leaves simple, very variable in size, rosettes trapping leaf litter which decomposes into a ball of humus over the apex, usually inhabited by ants but without adventitious roots. Flowers monoecious on the stems, female flowers usually borne among or near the leaves. Fruits usually simple, spherical, up to 13 cm diameter, red, with fairly large black seeds and white arils, animal-dispersed. The arils are edible, and said to be diuretic. *Taxonomic notes*: Can be confused with a "variant" of *C. ficifolia* Mast. in the area with entire leaves. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to SW Cameroon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 24,535, Species rank = 2

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	4667	93.34	93.34	19.03	3.38
>2≤3	5049	100.98	194.32	20.59	7.61
>3≤4	5088	101.76	296.08	20.75	13.57
>4≤5	4461	89.22	385.3	18.19	19.21
>5≤10	5237	104.74	490.04	21.36	13.16
>10≤20	16	0.32	490.36	0.07	0.11
>20≤30	0	0	490.36	0.00	0.00
>30≤60	0	0	490.36	0.00	0.00
>60	0	0	490.36	0.00	0.00

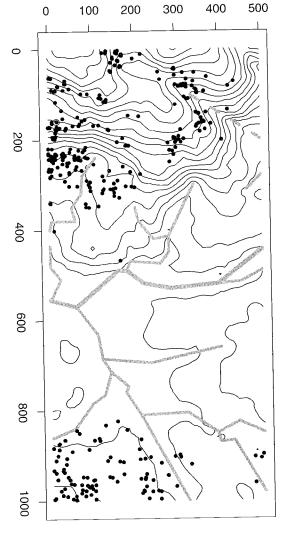


Cola suboppositifolia Cheek STERCULIACEAE (Malvaceae¹)

CONS. Treelet of 2-6 m tall, and to about 5 cm dbh, leaves simple. Inflorescence cauliflorous, flowers monoecious. Fruits compound, 1-3 red carpels, cylindrical, 7-8 cm long and about 2 cm diameter, with several arilate seeds, animal-dispersed. *Taxonomic notes*: Remarkable for the subopposite leaves, newly described. *Det. level*: F1,G1,S1. *Distribution*: So far know only from SW Cameroon. *Conservation status*: Rare=1

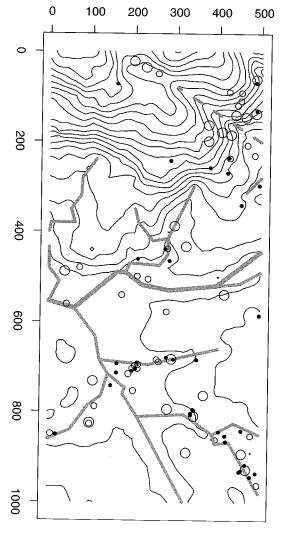
Stem count, total/50 ha = 358, Species rank = 122

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	231	4.62	4.62	64.71	0.17
>2≤3	79	1.58	6.2	22.13	0.12
>3≤4	34	0.68	6.88	9.52	0.09
>4≤5	12	0.24	7.12	3.36	0.05
>5≤10	1	0.02	7.14	0.28	0.00
>10≤20	0	0	7.14	0.00	0.00
>20≤30	0	0	7.14	0.00	0.00
>30≤60	0	0	7.14	0.00	0.00
>60	0	0	7.14	0.00	0.00



Cola verticillata (Thonn.) Stapf ex A.Chev. STERCULIACEAE (Malvaceae¹)

COVE. Large tree to 30 m tall and 70 cm diameter above the buttresses, crown dense, medium-sized, leaves simple, verticillate in fours. Inflorescence on branches, flowers monoecious. Fruiting carpels few, up to 20 cm long, and 9 cm broad, grey with large dark seeds, animal-dispersed. Seeds are edible and occasionally sold in local markets. *Taxonomic notes*: Distinguished from *C. acuminata* by the verticillate leaves 3-nerved at base. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea. *Conservation status*: Common.



Stem count, total/50 ha = 87, Species rank = 224

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	14	0.28	0.28	16.09	0.01
>2≤3	10	0.2	0.48	11.49	0.02
>3≤4	2	0.04	0.52	2.30	0.01
>4≤5	10	0.2	0.72	11.49	0.04
>5≤10	14	0.28	1	16.09	0.04
>10≤20	7	0.14	1.14	8.05	0.05
>20≤30	7	0.14	1.28	8.05	0.13
>30≤60	21	0.42	1.7	24.14	0.58
>60	2	0.04	1.74	2.30	0.38

0

100

200

300

400

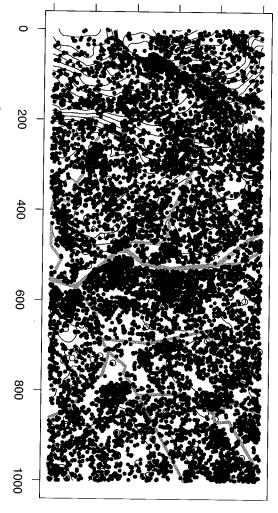
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Cola sp. "COAT" STERCULIACEAE (Malvaceae¹)

COAT. Shrubby treelet to 4 m tall, rarely more than 7 cm dbh, branching low, leaves simple, long petiolate. Flowers fasciculate on the trunk and branches, unisexual, monoecious. Fruits red, compound, of 3-6 carpels, red when ripe, 2-3 cm diameter and containing several arilate seeds, animal-dispersed. *Taxonomic notes*: This species first identified as *C. attiensis* differs from it by the inside of the tepals, which are glabrous. This species is likely to be new to science. *Det. level*: F1,G1,S1. *Distribution*: This species is probably endemic to Cameroon. Although it is abundant locally, we did not find it within the specimens at K, YA, SCA and BR. Known from the Southwest and Littoral provinces. *Conservation status*: Rare=1

Stem count, total/50 ha = 12,396, Species rank = 6

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	6153	123.06	123.06	49.76	4.46
>2≤3	3618	72.36	195.42	29.26	5.46
>3≤4	1714	34.28	229.7	13.86	4.57
>4≤5	644	12.88	242.58	5.21	2.77
>5≤10	237	4.74	247.32	1.92	0.60
>10≤20	0	0	247.32	0.00	0.00
>20≤30	0	0	247.32	0.00	0.00
>30≤60	0	0	247.32	0.00	0.00
>60	00	00	247.32	0.00	0.00



1000

COBE. Treelet to 2 m tall with narrow oblanceolate leaves. *Taxonomic notes*: Probably same as *Cola* sp "COAT" *Det. level*: F1,G1,S2. *Distribution*: Not known

Stem count, total/50 ha = 1, Species rank = 462

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	100.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	0	0	0.02	0.00	0.00
>60	0	0	0.02	0.00	0.00

Cola sp. "COMT"

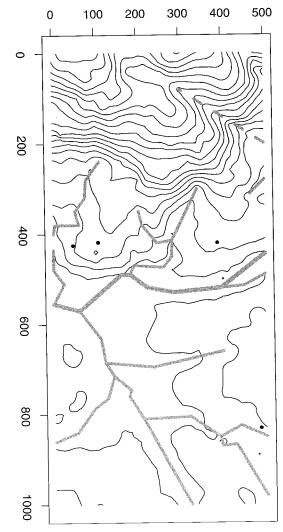
STERCULIACEAE (Malvaceae¹)

Taxonomic notes: Close to C

COMT. Treelet of about 1.8 m tall, leaves hairy. *Taxonomic notes*: Close to *C. marsupium* but less petiole and lamina less spreading hairy. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 4, Species rank = 421

			•		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	50.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	2	0.04	0.08	50.00	0.01
>4≤5	0	0	0.08	0.00	0.00
>5≤10	0	0	0.08	0.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	0	0	0.08	0.00	0.00
>60	0	0	0.08	0.00	0.00



OCTI. Treelet of up to 3 m tall, monoecious. Leaves simple, terminal bud protected by persistent stipules. Flowers unisexual, on the main stem and branches. Fruits compound, with 4-8 indehiscent follicles, each one measuring 3-5 cm long and 2 cm broad, pubescent, animal-dispersed. *Taxonomic notes*: This species is closely related to *C. flavovelutina* K. Schumann. with its persistent numerous stipules covering the terminal bud. But the small-sized flowers and the indumentum of various flower parts make it different from any described species. *Det. level*: F1,G1,S1. *Distribution*: Not known, but probably a narrow endemic. *Conservation status*: Rare=1.

Stem count, total/50 ha = 8244, Species rank = 7

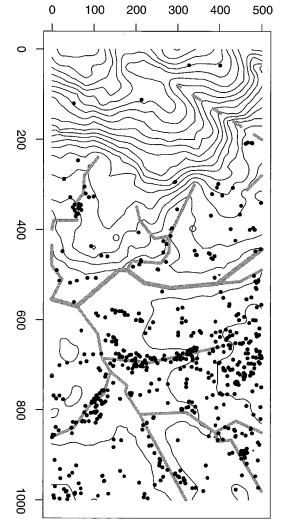
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3240	64.8	64.8	39.35	2.35
>2≤3	2434	48.68	113.48	29.56	3.67
>3≤4	1488	29.76	143.24	18.07	3.97
>4≤5	649	12.98	156.22	7.88	2.79
>5≤10	416	8.32	164.54	5.05	1.05
>10≤20	7	0.14	164.68	0.09	0.05
>20≤30	0	0	164.68	0.00	0.00
>30≤60	0	0	164.68	0.00	0.00
>60	0	0	164.68	0.00	0.00

Leptonychia echinocarpa K.Schum. STERCULIACEAE (Malvaceae¹)

LEEC. A treelet of 3-4 m tall and 6 cm dbh, flowers bisexual, on the branches. Fruits ovoid to subspherical, smooth when fresh, spiny when dried, up to 2.5 cm long, seeds arilate, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 576, Species rank = 98

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	435	8.7	8.7	75.52	0.32
>2≤3	110	2.2	10.9	19.10	0.17
>3≤4	25	0.5	11.4	4.34	0.07
>4≤5	4	0.08	11.48	0.69	0.02
>5≤10	2	0.04	11.52	0.35	0.01
>10≤20	0	0	11.52	0.00	0.00
>20≤30	0	0	11.52	0.00	0.00
>30≤60	0	0	11.52	0.00	0.00
>60	0	0	11.52	0.00	0.00



LEPA. A treelet to 3 high and 7 cm dbh. Flowers bisexual, cauliflorous. Fruits green, subglobose, about 5 cm diameter, seeds black with bright orange aril, animal-dispersed. *Taxonomic notes*: Easy to recognize with the large leaves with a long stalk and the lamina 3-nerved at base. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Cameroon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 961, Species rank = 66

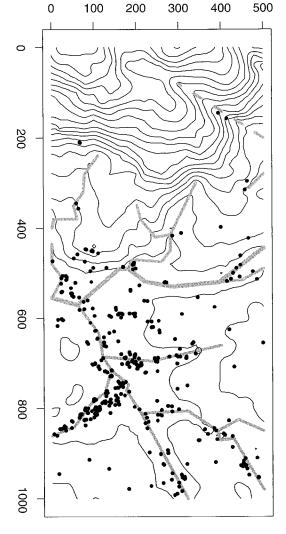
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	613	12.26	12.26	63.79	0.44
>2≤3	240	4.8	17.06	24.97	0.36
>3≤4	68	1.36	18.42	7.08	0.18
>4≤5	27	0.54	18.96	2.81	0.12
>5≤10	13	0.26	19.22	1.35	0.03
>10≤20	0	0	19.22	0.00	0.00
>20≤30	0	0	19.22	0.00	0.00
>30≤60	0	0	19.22	0.00	0.00
>60	0	0	19.22	0.00	0.00

Scaphopetalum blackii Mast. STERCULIACEAE (Malvaceae¹)

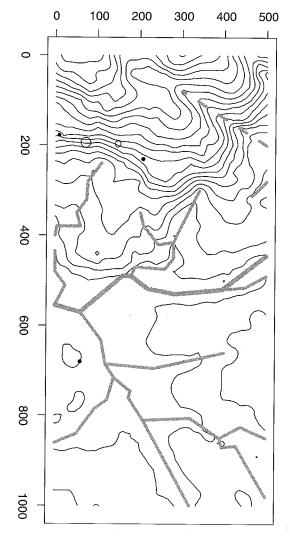
SCAI. A treelet to 4 m tall, and 3 cm dbh. Flowers bisexual, yellow, axillary. Fruits 2.5-4 cm long, up to 1.5 cm width, animal-dispersed. *Taxonomic notes*: Difficult genus, needs more detailed study. *Det. level*: F1,G1,S1. *Distribution*: Lower guinea endemic, Cameroon to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 428, Species rank = 116

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	418	8.36	8.36	97.66	0.30
>2≤3	8	0.16	8.52	1.87	0.01
>3≤4	1	0.02	8.54	0.23	0.003
>4≤5	0	0	8.54	0.00	0.00
>5≤10	1	0.02	8.56	0.23	0.003
>10≤20	0	0	8.56	0.00	0.00
>20≤30	0	0	8.56	0.00	0.00
>30≤60	0	0	8.56	0.00	0.00
>60	0	0	8.56	0.00	0.00



Sterculia oblonga Mast. STERCULIACEAE (Malvaceae¹)



EROB. Large tree to 35 m tall and up to 100 cm diameter above the high buttresses, straight bole, and rather compact crown, briefly deciduous. Flowers monoecious. Fruits compound, with very woody fruitlets 10-15 cm long, splitting to expose the yellow arils, completely covering the black, seeds probably dispersed by hornbills. Fairly hard wood is used in plywood, density 0.7-0.8, commercial name: *eyong*, ground seeds sometimes used as a condiment. *Taxonomic notes*: Syn. *Eribroma oblonga* (Mast.) Bodard. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, from Liberia to Gabon and Angola. *Conservation status*: Common.

Stem count, total/50 ha = 5, Species rank = 414

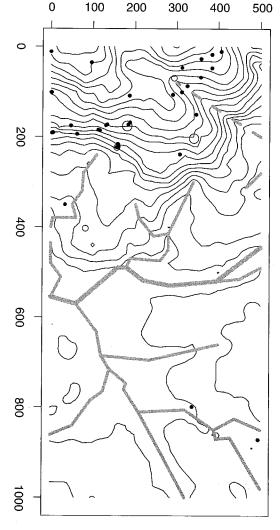
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	40.00	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	1	0.02	0.06	20.00	0.00
>5≤10	1	0.02	0.08	20.00	0.00
>10≤20	0	0	0.08	0.00	0.00
>20≤30	0	0	0.08	0.00	0.00
>30≤60	1	0.02	0.1	20.00	0.03
>60	0	0	0.1	0.00	0.00

Sterculia tragacantha Lindl. STERCULIACEAE (Malvaceae¹)

STER. Medium- to large-sized tree up to 35 m tall and 75 cm diameter above the small buttresses, crown rather compact, briefly deciduous. Inflorescences pendulous from leaf axils, flowers monoecious. Fruits carpels usually 5, leathery, dehiscent, exposing black animal-dispersed seeds. Commercial name *efok afum*, but not much used, sometimes used as pulp, bark used locally in construction. *Det. level:* F1,G1,S1. *Distribution:* Widespread, from Guinea to Sudan and Angola. *Conservation status:* Common.

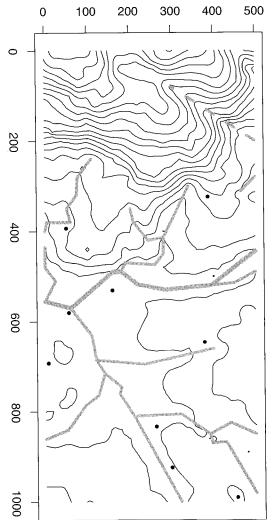
Stem count, total/50 ha = 38, Species rank = 294

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	21	0.42	0.42	55.26	0.02
>2≤3	8	0.16	0.58	21.05	0.01
>3≤4	4	0.08	0.66	10.53	0.01
>4≤5	0	0	0.66	0.00	0.00
>5≤10	2	0.04	0.7	5.26	0.01
>10≤20	1	0.02	0.72	2.63	0.01
>20≤30	0	0	0.72	0.00	0.00
>30≤60	1	0.02	0.74	2.63	0.03
>60	1	0.02	0.76	2.63	0.19



Dicanolepis disticha Planch. THYMELIACEAE

DIDI. Treelet, less than 5 cm dbh, 3 m tall, branches long, dichotomously branched with distichous leaves. Flowers showy, bisexual, borne in the leaf axils, ripe fruits red, about 1.8 cm diameter, animal-dispersed. *Det. level*: F1,G1,S1. *Distribution*: Widespread. *Conservation status*: Common.



Stem count, total/50 ha = 9, Species rank = 378

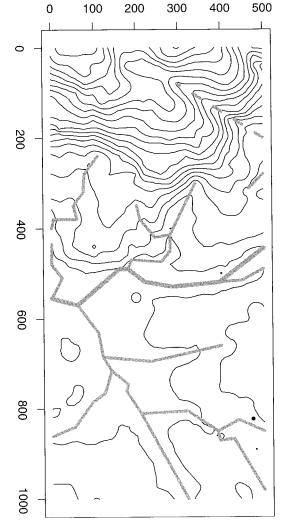
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	77.78	0.01
>2≤3	2	0.04	0.18	22.22	0.00
>3≤4	0	0	0.18	0.00	0.00
>4≤5	0	0	0.18	0.00	0.00
>5≤10	0	0	0.18	0.00	0.00
>10≤20	0	0	0.18	0.00	0.00
>20≤30	0	0	0.18	0.00	0.00
>30≤60	0	0	0.18	0.00	0.00
>60	0	0	0.18	0.00	0.00

Dicranolepis sp. "DICR" THYMELIACEAE

DICR. Treelet, flowers bisexual, fruits animal-dispersed. *Det. level*: F1,G1,S3. *Distribution*: Not known.

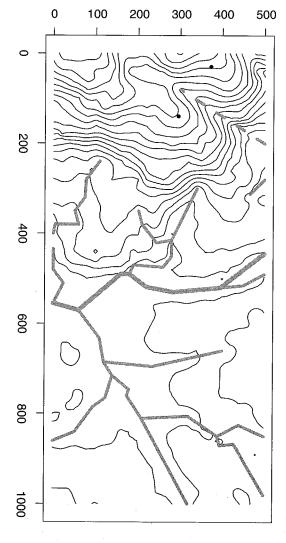
Stem count, total/50 ha = 2, Species rank = 444

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1	0.02	0.02	50.00	0.00
>2≤3	0	0	0.02	0.00	0.00
>3≤4	0	0	0.02	0.00	0.00
>4≤5	0	0	0.02	0.00	0.00
>5≤10	0	0	0.02	0.00	0.00
>10≤20	0	0	0.02	0.00	0.00
>20≤30	0	0	0.02	0.00	0.00
>30≤60	1	0.02	0.04	50.00	0.03
>60	0	0	0.04	0.00	0.00



Duboscia macrocarpa Bocq. TILIACEAE (Malvaceae¹)

DUMA. Medium-sized tree, common in semi-deciduous forest, rare in evergreen forest, reaching about 25 m tall. Trunk very irregular, fluted, reaching about 1.0 m diameter. Commercial name *akak*, but wood not exploited. Flowers bisexual, drupes about 4 - 5 cm diameter, woody, with prominent ribs and thin mesocarp, seeds animal-dispersed. *Taxonomic notes: D. viridiflora* (K.Schum.) Mildbr. is very similar and may be synonymous - it is the older name. *Det. level:* F1,G1,S1. *Distribution:* Lower Guinea and Congo basin. *Conservation status:* Common.



Stem count, total/50 ha = 2, Species rank = 444

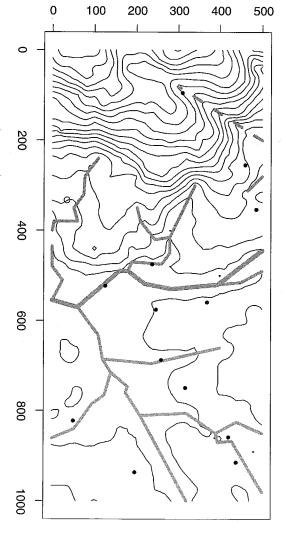
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	0	0	0	0.00	0.00
>2≤3	1	0.02	0.02	50.00	0.00
>3≤4	1	0.02	0.04	50.00	0.00
>4≤5	0	0	0.04	0.00	0.00
>5≤10	0	0	0.04	0.00	0.00
>10≤20	0	0	0.04	0.00	0.00
>20≤30	0	0	0.04	0.00	0.00
>30≤60	0	0	0.04	0.00	0.00
>60	0	0	0.04	0.00	0.00

Glyphaea sp. "HGRE"
TILIACEAE (Malvaceae¹)

HGRE. Small tree, less than 10 cm dbh. Flowers probably bisexual. The fruits of *G. brevis* (Spreng.) Monachino, which is known from korup, are spindle-shaped, rather woody, 5-6 cm long, dispersal not known. *Taxonomic notes*: Probably G. brevis, this is a very small genus, with only one species, *G. brevis* (Spreng.) Monachino known from area. *Det. level*: F1,G2,S3. *Distribution*: Not known.

Stem count, total/50 ha = 14, Species rank = 356

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	9	0.18	0.18	64.29	0.01
>2≤3	2	0.04	0.22	14.29	0.00
>3≤4	1	0.02	0.24	7.14	0.00
>4≤5	1	0.02	0.26	7.14	0.00
>5≤10	1	0.02	0.28	7.14	0.00
>10≤20	0	0	0.28	0.00	0.00
>20≤30	0	0	0.28	0.00	0.00
>30≤60	0	0	0.28	0.00	0.00
>60	0	0	0.28	0.00	0.00



GRCO. Medium-sized tree, seldom exceeding 50 cm dbh and 25 m tall in the plot, though larger in the nearby Rumpi Hills. Trunk often irregular and fluted. Flowers bisexual, drupes reddish-purple, about 3 cm long, animal-dispersed, elephants like to eat them. *Taxonomic notes*: Syn. *Grewia coriacea* Mast. *Det. level*: F1,G1,S1. *Distribution*: Forests of Lower Guinea and adjacent areas. *Conservation status*: Common.

Stem count, total/50 ha = 198, Species rank = 161

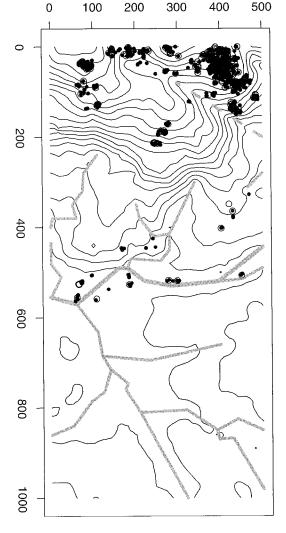
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	52	1.04	1.04	26.26	0.04
>2≤3	38	0.76	1.8	19.19	0.06
>3≤4	15	0.3	2.1	7.58	0.04
>4≤5	9	0.18	2.28	4.55	0.04
>5≤10	38	0.76	3.04	19.19	0.10
>10≤20	12	0.24	3.28	6.06	0.08
>20≤30	13	0.26	3.54	6.57	0.24
>30≤60	21	0.42	3.96	10.61	0.58
>60	0	0	3.96	0.00	0.00

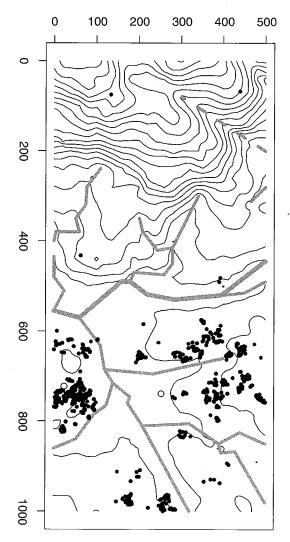
Allexis cauliflora (Oliv.) Pierre VIOLACEAE

ALCA. Treelet, unbranched or with few erect branches, to 8 m tall, 14 cm dbh, leaves large in terminal rosettes, trapping leaf litter and forming a ball of humus over the apex, but no adventitious roots in the leaf axils. Flowers pink, bisexual, borne on the trunk. Fruits about 3.5 cm long, dehiscent, seeds about 8 mm long, ballistic dispersal. *Taxonomic notes*: Polymorphic species, the form at Korup differs from that in the Littoral Province by the strict cauliflory and the violet fruits. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic. SE Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 882, Species rank = 70

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	239	4.78	4.78	27.10	0.17
>2≤3	197	3.94	8.72	22.34	0.30
>3≤4	149	2.98	11.7	16.89	0.40
>4≤5	120	2.4	14.1	13.61	0.52
>5≤10	167	3.34	17.44	18.93	0.42
>10≤20	10	0.2	17.64	1.13	0.07
>20≤30	0	0	17.64	0.00	0.00
>30≤60	0	0	17.64	0.00	0.00
>60	0	0	17.64	0.00	0.00





RINB. Treelet to 5 m tall, seldom more than 5 cm dbh, more or less unbranched. Flowers bisexual, pale yellow, fruits up to 2.2 cm long, dehiscent at maturity, ballistic-dispersal. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, SE Nigeria to SW Cameroon. *Conservation status*: Rare=1

Stem count, total/50 ha = 697, Species rank = 86

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	692	13.84	13.84	99.28	0.50
>2≤3	1	0.02	13.86	0.14	0.00
>3≤4	2	0.04	13.9	0.29	0.01
>4≤5	0	0	13.9	0.00	0.00
>5≤10	1	0.02	13.92	0.14	0.00
>10≤20	1	0.02	13.94	0.14	0.01
>20≤30	0	0	13.94	0.00	0.00
>30≤60	0	0	13.94	0.00	0.00
>60	0	0	13.94	0.00	0.00

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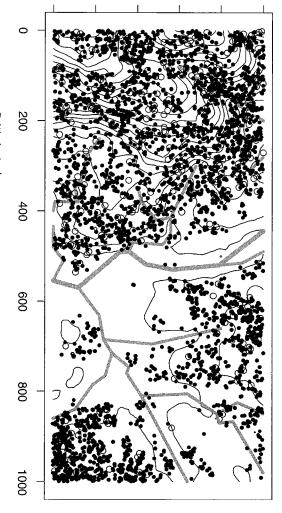
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Rinorea dentata (P.Beauv.) Kuntze VIOLACEAE

RIN6. A small tree to 6 m tall and 10 cm dbh. Flowers yellow, fruits 1.5 cm long, autodispersed around the mother tree. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolian, from Liberia to Cameroon, Bioko, extends to Tanzania. *Conservation status*: Common.

Stem count, total/50 ha = 3498, Species rank = 21

			•	* .1	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1485	29.7	29.7	42.45	1.08
>2≤3	849	16.98	46.68	24.27	1.28
>3≤4	551	11.02	57.7	15.75	1.47
>4≤5	331	6.62	64.32	9.46	1.43
>5≤10	280	5.6	69.92	8.00	0.70
>10≤20	2	0.04	69.96	0.06	0.01
>20≤30	0	0	69.96	0.00	0.00
>30≤60	0	0	69.96	0.00	0.00
>60	0	0	69.96	0.00	0.00



RINC2. Small tree, less than 6 m tall, 10 cm dbh. Flowers bisexual, in panicles in the leaf axils. Fruits a 3-chambered dehiscent capsule, ballistic-dispersal. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, Cameroon to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 4570, Species rank = 13

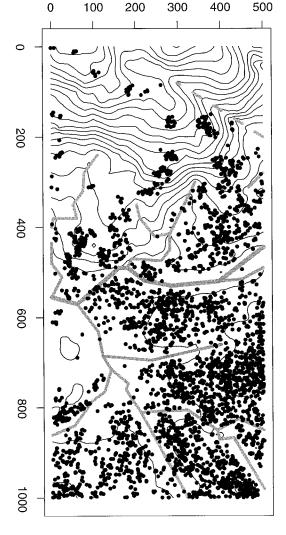
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2629	52.58	52.58	57.53	1.90
>2≤3	1232	24.64	77.22	26.96	1.86
>3≤4	496	9.92	87.14	10.85	1.32
>4≤5	152	3.04	90.18	3.33	0.65
>5≤10	61	1.22	91.4	1.33	0.15
>10≤20	0	0	91.4	0.00	0.00
>20≤30	0	0	91.4	0.00	0.00
>30≤60	0	0	91.4	0.00	0.00
>60	0	0	91.4	0.00	0.00

Rinorea kamerunensis Engl. VIOLACEAE

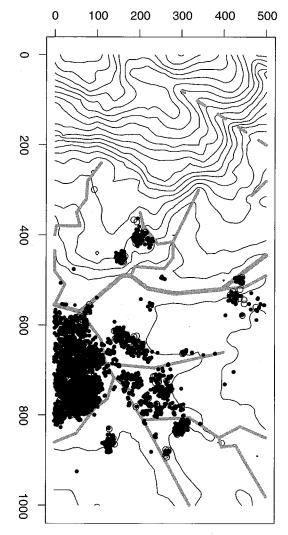
RINA. Slender treelet to 3 m tall, more or less unbranched. Flowers on terminal inflorescences, yellow, fruits about 2 cm long, dehiscent, ballistic dispersal. *Det. level:* F1,G1,S1. *Distribution*: Lower Guinea endemic in coastal forests, from Nigeria to Gabon, abundant locally. *Conservation status*: Rare=3.

Stem count, total/50 ha = 3400, Species rank = 23

			•		
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3126	62.52	62.52	91.94	2.26
>2≤3	245	4.9	67.42	7.21	0.37
>3≤4	24	0.48	67.9	0.71	0.06
>4≤5	4	0.08	67.98	0.12	0.02
>5≤10	1	0.02	68	0.03	0.00
>10≤20	0	0	68	0.00	0.00
>20≤30	0	0	68	0.00	0.00
>30≤60	0	0	68	0.00	0.00
>60	0	0	68	0.00	0.00



Rinorea leiophylla M.Brandt VIOLACEAE



RINI. Small tree to 6 m tall. Flowers yellow, bisexual, Fruits about 2 cm long, dehiscent at maturity, spreading the seeds close to the mother tree. *Taxonomic notes*: Separated from *Rinorea oblongifolia* by the yellowish lower surface of the leaves and more coriaceous leaves. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic in coastal forests, from Nigeria to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 3403, Species rank = 22

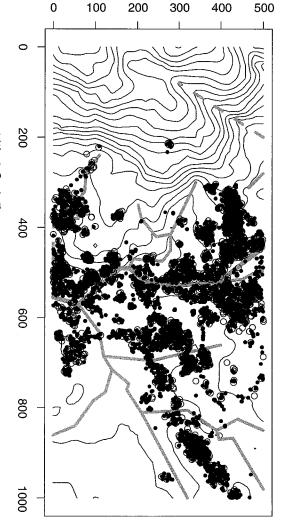
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1611	32.22	32.22	47.34	1.17
>2≤3	756	15.12	47.34	22.22	1.14
>3≤4	445	8.9	56.24	13.08	1.19
>4≤5	337	6.74	62.98	9.90	1.45
>5≤10	252	5.04	68.02	7.41	0.63
>10≤20	2	0.04	68.06	0.06	0.01
>20≤30	0	0	68.06	0.00	0.00
>30≤60	0	0	68.06	0.00	0.00
>60	0	0	68.06	0.00	0.00

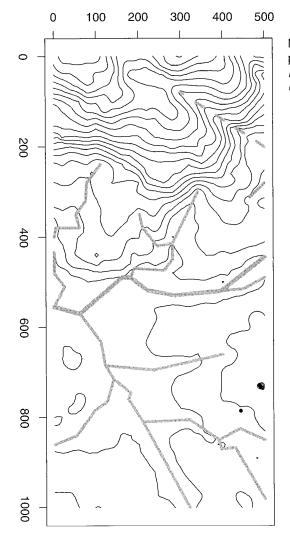
Rinorea lepidobotrys Mildbr. VIOLACEAE

RILE. Small tree to 5 m tall with dense crown, branching low. Flowers small, yellow, bisexual, fruits 2 cm long, dehiscent, ballistic dispersal. *Taxonomic notes*: Very close to *Rinorea breviracemosa* from which it differs by the more or less cordate leaf base. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, in coastal forest, from Liberia to Cameroon. *Conservation status*: Common.

Stem count, total/50 ha = 5492, Species rank = 10

			,	- · , - - - - -	
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	1511	30.22	30.22	27.51	1.09
>2≤3	1010	20.2	50.42	18.39	1.52
>3≤4	834	16.68	67.10	15.19	2.22
>4≤5	645	12.9	80.00	11.74	2.78
>5≤10	1401	28.02	108.02	25.51	3.52
>10≤20	91	1.82	109.84	1.66	0.62
>20≤30	0	0	109.84	0.00	0.00
>30≤60	0	0	109.84	0.00	0.00
>60	0	0	109.84	0.00	0.00





NRIN. Small tree to 6 m tall, less than 10 cm dbh. Flowers yellow. Fruits unknown, probably explosively dehiscent. Probably the same as RISP. *Det. level*: F1,G1,S1. *Distribution*: Upper and Lower Guinea, in coastal forest, from Liberia to Cameroon. *Conservation status*: Common.

Stem count, total/50 ha = 11, Species rank = 366

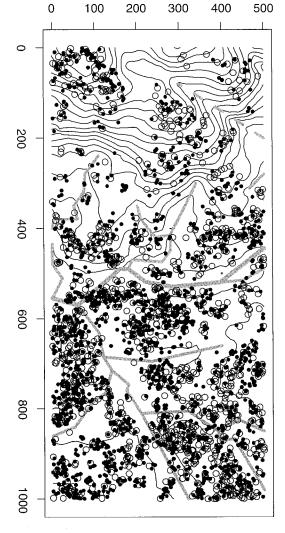
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	8	0.16	0.16	72.73	0.01
>2≤3	1	0.02	0.18	9.09	0.00
>3≤4	0	0	0.18	0.00	0.00
>4≤5	0	0	0.18	0.00	0.00
>5≤10	2	0.04	0.22	18.18	0.01
>10≤20	0	0	0.22	0.00	0.00
>20≤30	0	0	0.22	0.00	0.00
>30≤60	0	0	0.22	0.00	0.00
>60	0	0	0.22	0.00	0.00

Rinorea oblongifolia (C.H.Wright) Marquand ex Chipp

RIN2. Small tree to 12 m tall and 10 cm dbh. Flowers yellow, bisexual. Fruit about 1.5 cm long, dehiscent, ballistic dispersal. *Taxonomic notes*: Identified by the broad, elliptic leaves, sparsely puberulous to glabrous. *Det. level*: F1,G1,S1. *Distribution*: Guineo-Congolian, from Sierra Leone through Cameroon, to East Africa. *Conservation status*: Common.

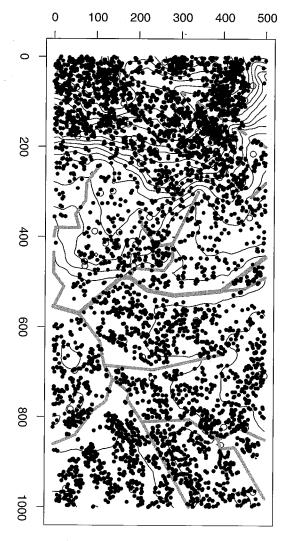
Stem count, total/50 ha = 3020, Species rank = 31

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	879	17.58	17.58	29.11	0.64
>2≤3	431	8.62	26.2	14.27	0.65
>3≤4	329	6.58	32.78	10.89	0.88
>4≤5	279	5.58	38.36	9.24	1.20
>5≤10	830	16.6	54.96	27.48	2.09
>10≤20	266	5.32	60.28	8.81	1.81
>20≤30	6	0.12	60.4	0.20	0.11
>30≤60	0	0	60.4	0.00	0.00
>60	0	0	60.4	0.00	0.00



Rinorea subintegrifolia (P.Beauv.) Kuntze VIOLACEAE

RIN3. Treelet or small tree to 6 m tall, 10 cm dbh. Flowers pale yellow, fruits about 1 cm long, dehiscent, ballistic-dispersal. *Det. level*: F1,G1,S1. *Distribution*: Widespread, Guineo-Congolian, from Guinea to D.R. Congo. *Conservation status*: Common.



Stem count, total/50 ha = 4707, Species rank = 12

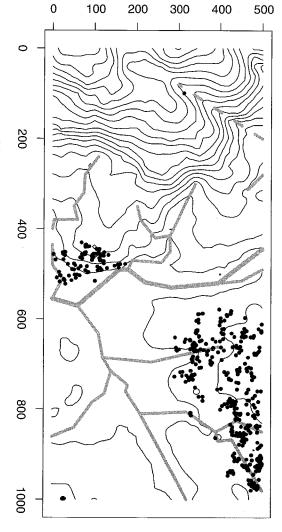
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3148	62.96	62.96	66.88	2.28
>2≤3	979	19.58	82.54	20.80	1.48
>3≤4	341	6.82	89.36	7.24	0.91
>4≤5	155	3.1	92.46	3.29	0.67
>5≤10	84	1.68	94.14	1.78	0.21
>10≤20	0	0	94.14	0.00	0.00
>20≤30	0	0	94.14	0.00	0.00
>30≤60	0	0	94.14	0.00	0.00
>60	0	00	94.14	0.00	0.00

Rinorea thomasii Achoundong ined. VIOLACEAE

RINO. A treelet to 2 m tall, 4 cm dbh. Flowers whitish, fruits 1.5 cm long, dehiscent, ballistic-dispersal. *Taxonomic notes*: New species not yet published. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, SW Cameroon. *Conservation status*: Rare=1

Stem count, total/50 ha = 461, Species rank = 113

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	410	8.2	8.2	88.94	0.30
>2≤3	43	0.86	9.06	9.33	0.06
>3≤4	7	0.14	9.2	1.52	0.02
>4≤5	0	0	9.2	0.00	0.00
>5≤10	1	0.02	9.22	0.22	0.00
>10≤20	0	0	9.22	0.00	0.00
>20≤30	0	0	9.22	0.00	0.00
>30≤60	0	0	9.22	0.00	0.00
>60	0	0	9.22	0.00	0.00



Rinorea woermanniana (Buettn.) Engl. VIOLACEAE

RIN9. Slender treelet to 2 m tall, 3.5 cm dbh. Flowers bisexual, fruit probably a capsule with ballistic dispersal. *Taxonomic notes*: Tentatively identified as *Rinorea woermanniana* by the genus specialist (Dr. Achoundong). Could belong to a new species. Awaiting collection of fruits for confirmation. *Det. level*: F1,G1,S2. *Distribution*: Lower Guinea endemic, from Cameroon to Gabon. *Conservation status*: Rare=3.

Stem count, total/50 ha = 1049, Species rank = 63

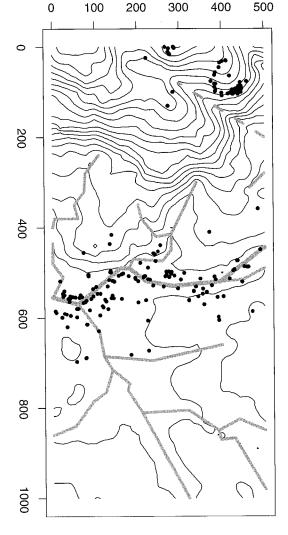
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	996	19.92	19.92	94.95	0.72
>2≤3	47	0.94	20.86	4.48	0.07
>3≤4	6	0.12	20.98	0.57	0.02
>4≤5	0	0	20.98	0.00	0.00
>5≤10	0	0	20.98	0.00	0.00
>10≤20	0	0	20.98	0.00	0.00
>20≤30	0	0	20.98	0.00	0.00
>30≤60	0	0	20.98	0.00	0.00
>60	0	0	20.98	0.00	0.00

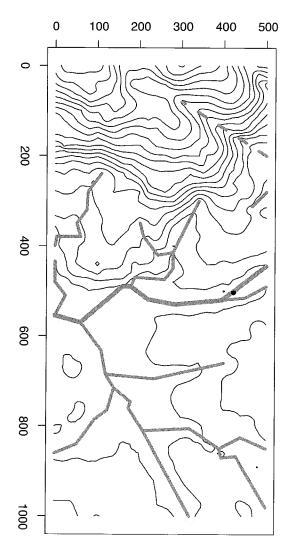
Rinorea sp. "RIN8" VIOLACEAE

RIN8. Slender treelet to 2 m tall. *Taxonomic notes*: Separated from *Rinorea cf. woermanniana* by the narrower and obovate leaves. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 193, Species rank = 163

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	184	3.68	3.68	95.34	0.13
>2≤3	9	0.18	3.86	4.66	0.01
>3≤4	0	0	3.86	0.00	0.00
>4≤5	0	0	3.86	0.00	0.00
>5≤10	0	0	3.86	0.00	0.00
>10≤20	0	0	3.86	0.00	0.00
>20≤30	0	0	3.86	0.00	0.00
>30≤60	0	0	3.86	0.00	0.00
>60	0	0	3.86	0.00	0.00





RISP. Small tree, to about 3 m tall, 5 cm dbh. *Taxonomic notes*: May be the same as *Rinorea gabonensis* Engl. *Det. level*: F1,G1,S3. *Distribution*: Not known.

Stem count, total/50 ha = 3, Species rank = 431

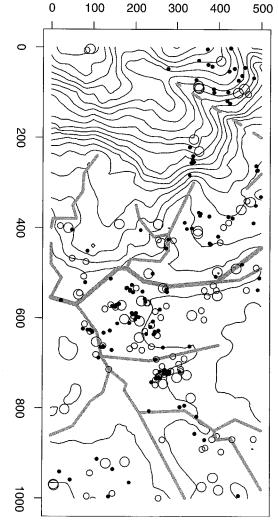
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	66.67	0.00
>2≤3	0	0	0.04	0.00	0.00
>3≤4	0	0	0.04	0.00	0.00
>4≤5	1	0.02	0.06	33.33	0.00
>5≤10	0	0	0.06	0.00	0.00
>10≤20	0	0	0.06	0.00	0.00
>20≤30	0	0	0.06	0.00	0.00
>30≤60	0	0	0.06	0.00	0.00
>60	00	0	0.06	0.00	0.00

Erismadelphus exsul Mildbr. VOCHYSIACEAE

EREX. Tree to 35 m tall, up to 100 cm diameter above the buttresses, crown dense and medium-sized. Flowers bisexual, fruits winged, wind dispersed, possibly animal-dispersed as well. *Taxonomic notes*: Ours is probably var. *exsul. Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, from SE Nigeria to Gabon. *Conservation status*: Common.

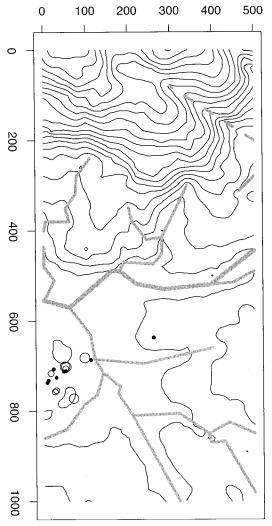
Stem count, total/50 ha = 249, Species rank = 143

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Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	57	1.14	1.14	22.89	0.04
>2≤3	46	0.92	2.06	18.47	0.07
>3≤4	19	0.38	2.44	7.63	0.05
>4≤5	13	0.26	2.7	5.22	0.06
>5≤10	35	0.7	3.4	14.06	0.09
>10≤20	22	0.44	3.84	8.84	0.15
>20≤30	15	0.3	4.14	6.02	0.28
>30≤60	23	0.46	4.6	9.24	0.64
>60	19	0.38	4.98	7.63	3.60



Korupodendron songweanum Litt & Cheek VOCHYSIACEAE

PTHY. Large tree to 40 m tall, 1.2 m dbh, crown dense and medium-sized, leaves (sub-) opposite. Flowers white, bisexual, in terminal racemes. Fruits winged, possibly wind dispersed, but secondary-dispersal by animals is likely. *Taxonomic notes*: Newly described genus and species from Korup. *Det. level*: F1,G1,S1. *Distribution*: Lower Guinea endemic, so far only known from the Korup National Park, Cameroon. *Conservation status*: Rare=1



Stem count, total/50 ha = 16, Species rank = 347

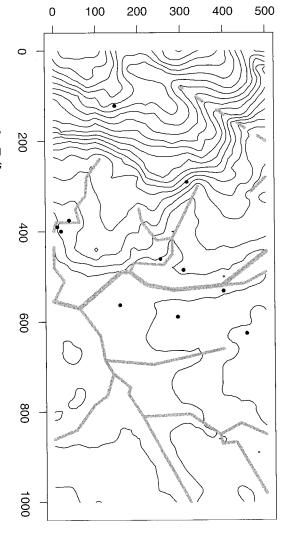
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	3	0.06	0.06	18.75	0.002
>2≤3	2	0.04	0.1	12.5	0.003
>3≤4	3	0.06	0.16	18.75	0.01
>4≤5	0	0	0.16	0	0.00
>5≤10	1	0.02	0.18	6.25	0.003
>10≤20	2	0.04	0.22	12.5	0.01
>20≤30	1	0.02	0.24	6.25	0.02
>30≤60	2	0.04	0.28	12.5	0.06
>60	2	0.04	0.32	12.5	0.38

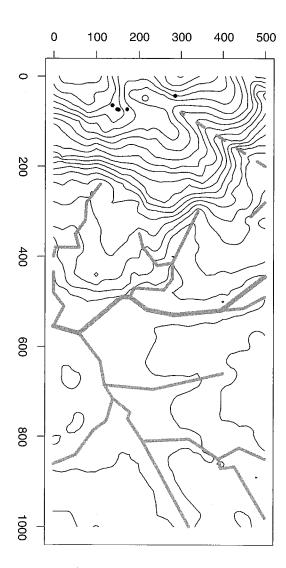
Unknown "WDIG"

WDIG. Treelet of about 2 m in height, slash yellow black outer bark, resembling *Diospyros* bark. *Taxonomic notes*: The leaves resemble those of *Diospyros gabunensis*. *Det. level*: F3,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 11, Species rank = 366

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	7	0.14	0.14	63.64	0.01
>2≤3	4	0.08	0.22	36.36	0.01
>3≤4	0	0	0.22	0.00	0.00
>4≤5	0	0	0.22	0.00	0.00
>5≤10	0	0	0.22	0.00	0.00
>10≤20	0	0	0.22	0.00	0.00
>20≤30	0	0	0.22	0.00	0.00
>30≤60	0	0	0.22	0.00	0.00
>60	0	0	0.22	0.00	0.00





RUT3. Treelet to 3 m tall, with branches simulating compound leaves. *Taxonomic notes*: Possibly a species of *Phyllanthus*. *Det. level*: F3,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 6, Species rank = 407

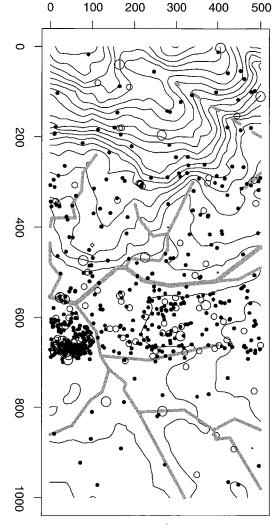
Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	2	0.04	0.04	33.33	0.001
>2≤3	3	0.06	0.1	50.00	0.005
>3≤4	0	0	0.1	0.00	0.00
>4≤5	0	0	0.1	0.00	0.00
>5≤10	1	0.02	0.12	16.67	0.003
>10≤20	0	0	0.12	0.00	0.00
>20≤30	0	0	0.12	0.00	0.00
>30≤60	0	0	0.12	0.00	0.00
>60	0	0	0.12	0.00	0.00

Unidentified "UNID"

UNID. *Taxonomic notes*: Included here are all unidentified individual trees in the plot from different families, plus all doubtful identifications, usually because the leaves were not seen. *Det. level*: F3,G3,S3. *Distribution*: Not known.

Stem count, total/50 ha = 640, Species rank = 57

Diameter class (cm)	Total no. trees in 50 ha	No. trees per ha	Cumulative tree count per ha	% by size class	% of all species by size class
1≤2	327	6.54	6.54	51.09	0.24
>2≤3	115	2.3	8.84	17.97	0.17
>3≤4	57	1.14	9.98	8.91	0.15
>4≤5	27	0.54	10.52	4.22	0.12
>5≤10	56	1.12	11.64	8.75	0.14
>10≤20	31	0.62	12.26	4.84	0.21
>20≤30	11	0.22	12.48	1.72	0.21
>30≤60	12	0.24	12.72	1.88	0.33
>60	4	0.08	12.8	0.63	0.76



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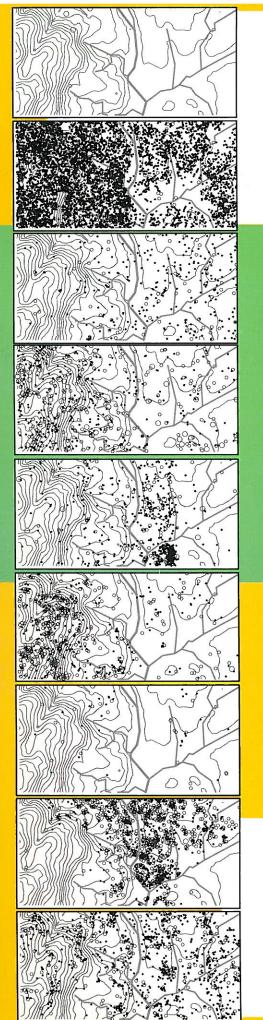
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