

# A VEGETATION ASSESSMENT OF THE WAKA NATIONAL PARK, GABON

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# A VEGETATION ASSESSMENT OF THE WAKA NATIONAL PARK, GABON



Report compiled by:  
Michael Balinga

With contributions from:  
Terry Sunderland, Gretchen Walters, Yves Issembe,  
Stella Asaha and Eunice Fombod

## EXECUTIVE SUMMARY

A multi-national botanical team of six institutions came together from Forests Resources and People, Limbe Botanic Garden, l'Herbier National du Gabon, Smithsonian Institution, Wildlife Conservation society, and the Missouri Botanical Garden in order to install permanent Biodiversity Plots (BDP's) within the Waka National Park and undertake on-site training for local "para-taxonomists". Placement of the plots was undertaken in consultation with Gabonese botanists familiar with the area and through the implementation of reconnaissance (reccé) surveys. Prior to this assessment, few data were available to fully evaluate the Park's floristic diversity. In order to fill in this gap, this project employed standard Smithsonian Institution methodology used elsewhere in Central Africa and the wider humid tropics, to place five BDP's within the Waka National Park to assess the plant diversity contained therein and to provide baseline information for future forest monitoring.

Pending the final determination of voucher specimens collected, analysis of the baseline data collected revealed a total of 2,067 individual trees representing 46 families, 135 genera and 212 species<sup>1</sup>. The Burseraceae, Myristicaceae and Euphorbiaceae respectively were observed to be the dominant families in terms of their Importance Value Indices (IVI) while *Aucoumea klaineana* and *Santiria trimera* were by far the dominant species overall. The mean number of trees per hectare was 413 and the mean cumulative basal area; 33m<sup>2</sup>/ha. With an average of 93 species per hectare, Waka is amongst the most biodiversity-rich of all the Smithsonian Institutions BDPs sites and only the Monts de Cristal and the contiguous Monte Mitra are more species diverse.

During this assessment which also served as a training forum for WCS para-taxonomists and tree climbing. Four local para-taxonomists, six eco-guards were trained in a variety of botanical and ecological field survey techniques. In addition, a Gabonese tree climber received training from an experienced Cameroonian counterpart.

As a direct result of our vegetation-based surveys, two species of palm endemic to Central Gabon were re-discovered. The palm genera *Podococcus* and *Sclerosperma* were previously thought to consist of a single species each and, as such, were regarded as monotypic. Two additional species within each genus were described in 1895 and 1934 respectively and were known only from the first, or "Type", collection. Since then, no further collection of each taxon were known or recognized and these names were included, or synonymised under the more common species within each genus. However, the re-discovery of the species originally described as *P. acaulis* and *S. walkeri* has considerable implications for not only understanding the patterns of endemism within the Waka landscape, but also for the evolution of the Palmae on the African continent. A list of such endemic and rare plants is also critical for defending such parks that may be threatened by logging interests in the future. WCS Gabon has since used this re-discovery to further justify the creation and support of the Waka National Park and these "endemic palm forests" have now been fully recognised (van Valkenberg and Sunderland, in press).

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<sup>1</sup> Although this figure will undoubtedly change as the voucher specimens are determined.

After Monts de Cristal in Gabon, Waka is the second National Park to have benefited from the establishment of baseline botanic data from 1 hectare plots through collaborative effort. It is hoped that this transboundary collaboration will continue in the future and that the network of parks with established BDPs will also continue to be extended not only within Gabon but throughout the Congo Basin forests.

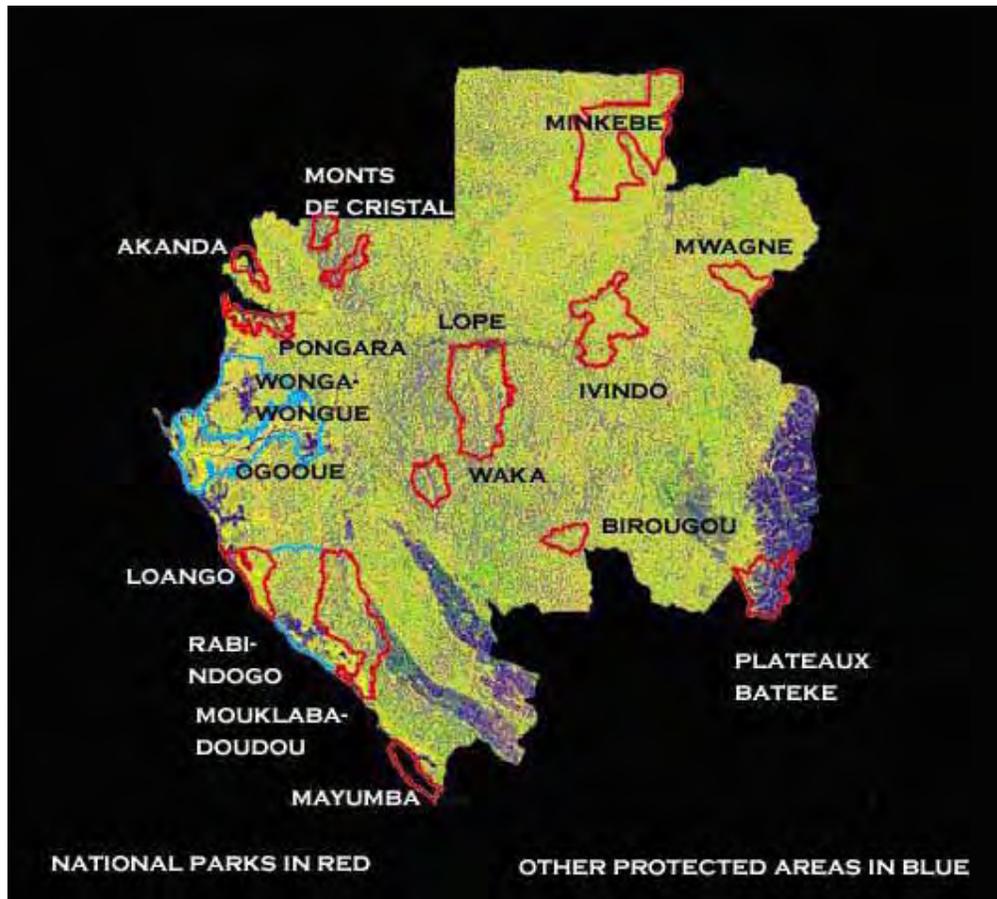
## INTRODUCTION

Gabon is one of the most botanically diverse tropical African countries (Pomeroy, 1993). Covering an area of 267,660 km<sup>2</sup>, it is home to an estimated 6,000-10,000 plant species (Breteler, 1989). Relatively little is known about Gabon plant diversity and it is probably the least botanically known area in tropical Africa (Campbell and Hammond 1989). Closed canopy forest still covers an estimated 21,190,000 ha (over 80% of the country) (Mayaux *et al.*, 2004), although up to 70% of these remaining forests are currently allocated as logging concessions (Collomb *et al.*, 2000). Timber exploitation represents a major contribution to the country's economy, valued at some 190 milliards CFA per annum (Christy *et al.*, 2003). Reports as to how commercial logging is contributing to the loss in forest cover are somewhat unreliable, with the annual deforestation rate estimated at between 0.1% (Christy *et al.*, 2003) and 0.5% (FAO, 1999), the latter figure being one of the highest for the region.

Plant endemism is high in Gabon at an estimated 22% (Breteler, 1989) and new species are still being regularly discovered (see Breteler, 2001). Many species are limited to remote mountain ranges such as the Monts de Cristal, Monts Doudou and the Massif du Chaillu. A recent analysis of collecting density in Gabon shows that many such areas are poorly known botanically and have no known collections (Sosef, 2001). With only a few trained Gabonese botanists and limited resources, such areas will likely remain largely unexplored for the foreseeable future unless partnerships aimed at building the capacity of local institutions are further developed (Morat and Lowry 1997).

In late 2002, the Government of Gabon, working in close collaboration with the Wildlife Conservation Society, established 13 new National Parks, an unprecedented initiative in the region aimed at protecting a significant swathe of Central African forests and the biodiversity they contain (Quammen 2003). Despite one of the lowest population densities in the Congo Basin, at 4.3 people per km<sup>2</sup> (FAO, 1999), the challenge now is to manage these parks to preserve the rich biodiversity within and this will require the provision of extensive biological, ecological and socio-economic baseline information as well as adequate management capacity and financial commitment. Until recently, however, these latter two functions have often been considered lacking within the region (Wilkie *et al.*, 2001) and it is hoped the CARPE-funded Congo Basin Forest Partnership will address this shortfall.

**Figure 1:** Location of Waka within the network of National Parks in Gabon



## SITE DESCRIPTION

The Massif du Chaillu mountain range, located in south-central Gabon, just south of Lope National Park, is a southward extension of the Monts de Cristal Mountains. The Massif is included in the newly established Waka National Park, encompassing 1,070 km<sup>2</sup> (<http://gabonnationalparks.com/gnp-home/gnp-nationalparks/Waka>). Although the area was selectively logged in the 1960s, its forests and wildlife populations are largely intact. Sightings of elephants and gorillas occur regularly, and the endemic sun-tailed guenon (*Cercopithecus solatus*) occurs within the park. Current inventory efforts are focusing on a mountainous area adjacent to the park that are believed to hold particularly high plant diversity and that may serve as a refuge for locally endemic species. There are many old settlements in the area, and the pre-European human populations appears to have been relatively large, as evidenced by the extensive presence of the oil palm (*Elaeis guineensis*) and atanga trees (*Dacryodes edulis*). In recent history, the mountain chains that run through the park have served as a corridor for human migration as well as hunting and gathering expeditions by Babongo pygmies and Mitshogo people, and these groups still rely heavily on forest resources, both within and outside the park.

The Waka NP has remained relatively unexplored by botanists. Only some 295 species had been collected in the Waka NP previous to the activities reported here. This number has since been doubled for the park, in part through the activities presented in this report.

Among these collections there are interesting findings such as the rediscovery of two palm species representing genera that were thought to be monotypic (van Valkenberg and Sunderland, in press) and more recently, a completely new genus the Flacourtiaceae has been discovered.

The NE portion of the park was targeted first by our research efforts as it has been previously logged. This biodiversity assessment had to validate whether the forest was still botanically valuable enough for conservation. The establishment of five one hectare biodiversity plots for vegetation assessment and monitoring were therefore expected to provide vital baseline information on the plant species composition of this area: a welcome contribution to the long term management of the park.

## MATERIALS AND METHODS

The logging camp at Oghoubi that serves as a park headquarters and training centre was also the base camp from which we conducted our field work. This work was carried out by a multinational and multi institutional team coordinated by the Smithsonian Institution's Monitoring and Assessment of Biodiversity Programme (SI MAB), in partnership with the Herbarium National du Gabon, Forests Resources and People (FOREP), the Limbe Botanic Garden, the Missouri Botanical Garden and the Wildlife Conservation Society.

**Table 1: Location of the five BDPs within Waka National Park**

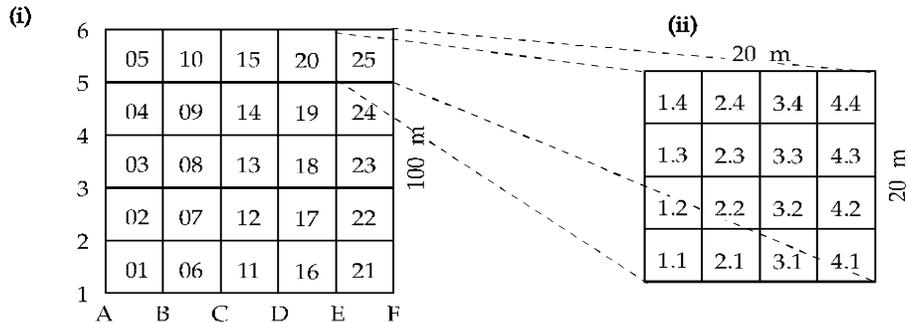
<b>Plot #</b>	<b>Coordinates</b>	<b>Conservation status</b>	<b>Altitude (m)<sup>o</sup></b>
Plot 6	01 <sup>o</sup> 08,793' N 011 <sup>o</sup> 09,771' E	Logged forest	438
Plot 7	01 <sup>o</sup> 07,932' N 011 <sup>o</sup> 08,968' E	Logged forest	407
Plot 8	01 <sup>o</sup> 12,570' N 011 <sup>o</sup> 06,275' E	Logged forest	687
Plot 9	01 <sup>o</sup> 14,167' N 011 <sup>o</sup> 06,718' E	Unlogged forest	529
Plot 10	01 <sup>o</sup> 14,203' N 011 <sup>o</sup> 07,041' E	Unlogged forest	569

### Plot establishment

The standardised methodology for the establishment of permanent BDP's follows that of Dallmeier (1990). In the one-hectare configuration used for SI/MAB 1ha BDP's, the area is first geo-referenced using a GPS. Normally the area is then surveyed in a horizontal plane using a compass, tape and clinometer. In the course of this fieldwork as previously done in Nouabale Ndoki (Congo), a laser range finder was used in the

establishment of permanent plots. Because it provides slope corrected distance readings, angle and slope the range finder is an extremely efficient means of laying out a plot in forest with relatively undeveloped under storey.

**Figure 1: One hectare Biodiversity Plot (BDP) layout**



During establishment, the one-hectare plot is divided into 25 quadrats, each 20 x 20 meters in size (Fig. 2). It should be noted that, generally, 20 meters is the longest distance that can be accurately surveyed in dense forest. The four corners of the 1 ha are permanently marked using PVC pipes, that are painted and buried in order to permit relocation of the plots for recensusing. All the quadrat corners are marked with stakes topped with flagging tape bearing their distance from the baseline.



**Figure 2:** Line sighting and horizontal distance measurement using a laser range finder



**Figure 3:** Preparing PVC pipe for marking plot corner

Tree tagging and identification begins as soon as the corner stakes of the quadrats are set. The process includes locating all trees with a diameter 10 centimetres in diameter at breast height (dbh), then measuring, marking and identifying the species; these specific activities are elaborated upon below. During the enumeration process, a team of three to five individuals walks the quadrat, starting at the left corner baseline and

moving in concentric clockwise circles of decreasing size, ending in the centre of the quadrat in order to systematically encounter and record all trees of appropriate size.

#### *Tree measurement and marking*

All trees >10cm diameter at breast height (dbh) are measured. The dbh is measured with a diametric tape at approximately 1.3m, avoiding any protrusions or lianas growing on the trunk. Trees with stilt roots and buttresses are measured at the lowest point at which the diameter of the bole can be accurately measured without the influence of these additional protuberances. Measuring above buttress and stilt roots often requires the use of a skilled tree climber. The measurement of trees above the dbh point is known as the diameter at reference height (drh). The point of measurement is marked with an “X” with the sharp point of the dbh tape. At this exact point, a ring is then painted around the tree. This marking ensures that future measurements of the same tree are taken at exactly the same point.

#### *Numbering and tagging*

Each individual tree is tagged with a different number consisting of a sequence of three double digits. Using (01-24-09) as an example, the first two numbers (01) corresponds to the one-hectare plot within the zone, second pair (24) identifies the number of the quadrat and the last two numbers (09) represent an individual tree within the quadrat. No other tree receives this unique number. The tree numbers start at 1 in each quadrat and continue until the last tree is labelled. Prior to all trees being permanently tagged with aluminium labels a temporary ribbon is tied to each tree with the number written in indelible ink. Once aluminium labels are produced with the correct numbers, they are nailed to the tree 10cm above the point of measurement, and as marked by the ring of paint on the trunk. The aluminium label faces outwards and is oriented toward the baseline of the plot. The nail is driven to angle down and just far enough in so that it will not fall out when pulled or when bark falls off, leaving enough room for the tree to grow before “eating” the tag.

**Figure 4.** Measuring tree diameter at reference height (drh)



### *Tree identification and voucher collection*

As far as possible, individual trees within a BDP are identified in the field often using bark and slash characters. However, to verify the field determinations, voucher specimens are collected for each taxon encountered, whether the species has been



**Figure 5:** Tagged and painted tree

identified with confidence or not. For problematic genera such as *Drypetes*, *Diospyros*, *Memecylon* and

*Bielschmeidia*, all individuals encountered were vouchered. Unidentified species were sorted into “morphospecies” and at least one voucher was collected for each. The use of a tree climber greatly facilitated access to the forest canopy and ensured that very few, if any, individual species were not represented in the voucher collections.

The specimens are preserved in the field using a portable aluminium field dryer with kerosene stoves providing the heat source.

In addition to the specimens collected within the plots, any fertile specimens found outside the plots were

collected although botanical support focused primarily on the plots themselves. Of notable interest in this area was the abundance throughout the forest, of various palm genera that dominated vast areas of the under storey as well as the canopy gaps.

### *Voucher specimen management*

During the plot enumeration, more than 200 vouchers, the majority of which were sterile, were collected. The first set of these vouchers have been deposited at the Herbarium National du Gabon in Libreville and are still in the process of being determined, and will be subsequently curated and databased using BRAHMS. Duplicates of these vouchers will be kept in a sterile voucher collection at MBG and entered onto the TROPICOS database. This database provides taxonomic, ecological and geographical information on each accession and can be accessed via the internet (<http://mobot.mobot.org/W3T/Search/vast.html>). Undetermined plants will be sent to family specialists to complete the identification process and identify potential new species.

**Figure 6:** Training in plant collection techniques



### *Tree mapping*

In addition to measuring and identifying trees in the quadrats, SI/MAB researchers map each tree to the nearest centimetre. A mapping team of seven people uses automatic range finders to accomplish this task. The tree is located by one of two people person known as the “tree locators.” The distance of the tree from one of the lines of the quadrat (1,2,3 or 4) where the corners are visible, is then taken using the range finders.

These are recorded as “line A” and “line B”. These lines denote the diagonal distance from a left quadrat corner (line A) to the tree being measured and from a right corner (line B) to the same tree. The lines also allow measurements from any of the four sides of the quadrat. The coordinate corners are denoted by their intersecting boundary lines (quadrat boundary lines are numbered in clockwise sequence from one to four, starting at the baseline). BIOMON automatically calculates the  $x$  and  $y$  coordinates of the distances mapped and maps each individual tree on the quadrats.

### *On-site training and capacity building*

One of the main objectives of this field work was to bring together a wide range of local technicians (tree climbers, herbarium technicians, botanists, foresters) from a number of recognised regional institutions to share professional experience and technical expertise and jointly evaluate the forest using their combined knowledge. By

working on a standardized plot protocol, implementing it in the field, and undertaking preliminary data analysis, the local capacity for monitoring the existing plots as well as that for extending the plot network to other national parks in the Congo Basin and carrying out comparisons between sites, has been considerably enhanced.

One of the highlights of this phase of field work was the training of para – taxonomists. We then conducted a two-week botanical field course in which the four parataxonomists were joined by six ecoguards from the Park. They were trained in methods of botanical collection (as seen in the photo to the right) and establishment of large tree-plots; both of these methods were used to evaluate the biodiversity of the area. Instructors were drawn from a variety of backgrounds and were associated with various park projects.

The first week of training focused on providing the participants with the basic background needed to collect plants. They were also introduced to the history of conservation in Gabon and to the goals of the park. The second week focused on field book data entry, plant drying, and an introduction to establishing and censusing vegetation plots, a tool useful for understanding diversity patterns in various forest types.

Topics and instructors included, in order of presentation:

- Introduction to basic botany, field book entries, plant pressing: Gretchen Walters (MBG)
- Introduction to botany in Gabon: Dr. Ludovic Ngok (HNG)
- Introduction to conservation in Gabon: Gaspard Abitsi (WCS)
- Introduction to ecological methods (plots): Mike Balinga (SI)
- Plant collection, pressing, and drying: Joseph Mayombo (HNG)
- Field data recording: Jean Claude Mouandza (WCS)
- Plot Establishment: Mike Balinga (SI)
- Collection of Palms: Dr. Terry Sunderland and Mike Balinga (Smithsonian Institution)
- Identification of canopy trees: Yves Issembe (HNG)

Following the two-week training period, instructors met to select two parataxonomists for continued training during a one-year period in Waka National Park, funded by the Beneficia Foundation. The two successful candidates were Estelle Mamadou and Juvenal Boussiengui.

There are practically no trained tree climbers in Gabon, leaving much of the canopy species uncollected. Numerous species are described from only flowers or fruits alone and can yet be found growing within 20 km of Libreville. The lack of a tree-climbing tradition in this tropical country has thus hampered botanical inventory. For several years, HNG has requested training in tree climbing methods. Thus during plot establishment, Gabonese tree climber Prince Bissiemou apprenticed to expert tree climber, Paul xxx from Limbe Botanical Garden. Bissiemou continues to use his skills obtained during this training, and it is hoped that climbers more will be added to existing herbarium staff to increase the knowledge of canopy trees in Gabon.

**Figure 7:** Theoretical training of local technicians was supplemented by practical application in the field



### *Data analysis*

The Smithsonian Institution’s Monitoring and Assessment of Biodiversity Programme (SI/MAB) has developed a Windows driven computer programme that manages and analyses data collected on the 1ha BDP’s. BIOMON<sup>2</sup> undertakes basic assessments based calculations of species numbers, frequencies, basal areas and mean dbh as well as on species “importance value index” (IVI) i.e. species with the highest IVI are referred to as the most “important” at that site. The IVI is calculated as follows:

$$\text{Relative density} = \frac{\text{Number of individuals of a species} \times 100}{\text{Total number of individuals of all species}}$$

$$\text{Relative dominance} = \frac{\text{Total basal area of the species} \times 100}{\text{Total basal area of all species}}$$

$$\text{Relative frequency} = \frac{\text{Frequency of species} \times 100}{\text{Sum of all frequencies}}$$

Frequency = Number of quadrats in which a species is found.

Cover value index (CVI) = Relative density + Relative dominance.

<sup>2</sup> BIOMON can be downloaded at [www.si.edu/simab](http://www.si.edu/simab)

Important value index (IVI) = CVI + Relative frequency.

### Summary of results

A total of 2,429 individual trees representing 46 families, 151 genera and 211 species<sup>3</sup> were enumerated on the Waka BDP's. The detailed breakdown of species composition, density, dominance and frequency within each BDP are presented in the field guide accompanying this report. A brief summary of results is presented in Table 2 below.

**Table 2:** A summary of the preliminary data gathered from each BDP

Plot #	# genera	# species (S)	# trees (N)	# stems	avg. DBH (cm)	Total BA (m)
Plot 6	62	83	388	392	27,7	33,1
Plot 7	77	100	399	413	26,8	31,5
Plot 8	78	107	489	498	29,8	38,6
Plot 9	80	103	545	551	28,9	47,1
Plot 10	74	106	611	618	30.37	44.76
<b>Mean</b>	<b>74,2</b>	<b>99,8</b>	<b>485,8</b>	<b>494,4</b>	<b>28,714</b>	<b>39,012</b>

In terms of proportions of representative species, the most important families observed in Waka were the Euphorbiaceae followed by the Caesalpiniaceae and Annonaceae respectively. Other well represented families were the Rubiaceae, Sapindaceae, and Olacaceae each represented by at least 10 species. Evaluating family importance in terms of cumulative IVI however, relegates the Euphorbiaceae to fifth position with the Burseraceae, being the overwhelmingly dominant family.

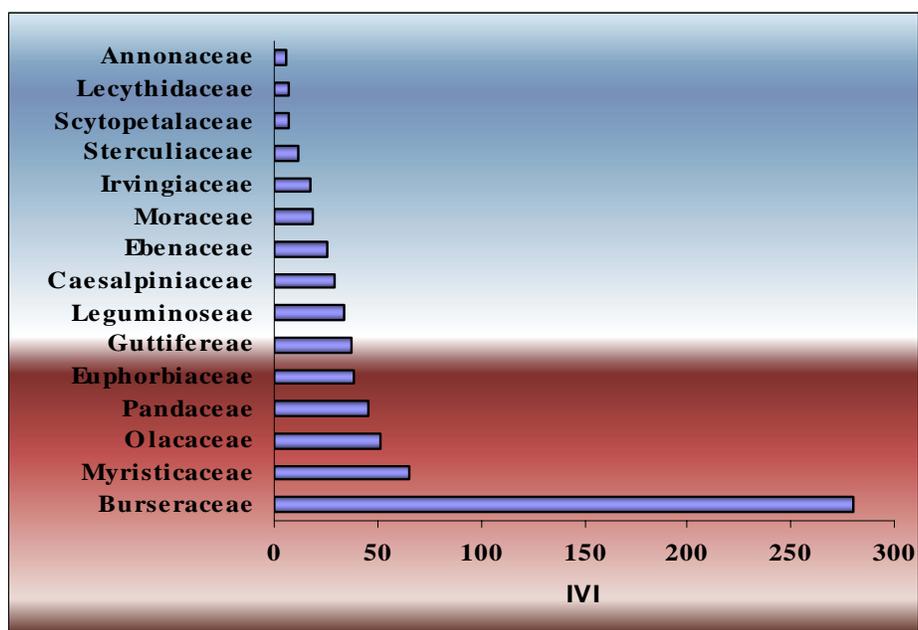
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<sup>3</sup> Although this figure will undoubtedly change as the voucher specimens are determined.

**Table 3:** Summary of number of species per family

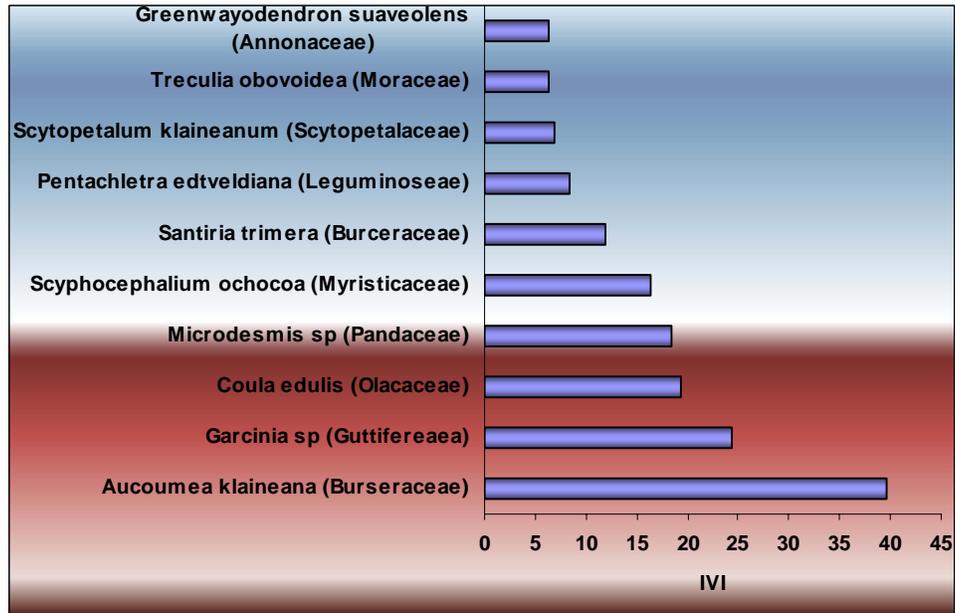
Family	No. of species
Euphorbiaceae	22
Caesalpiniaceae	16
Annonaceae	13
Rubiaceae	11
Sapindaceae	10
Olacaceae	10
Mimosaceae	9
Burseraceae	9
Guttiferae	7
Anacardiaceae	7
Sterculiaceae	5
Scytopetalaceae	5
Rhizophoraceae	5
Myristicaceae	5
Meliaceae	5
Irvingiaceae	5
Ebenaceae	5
Sapotaceae	4
Flacourtiaceae	4
Chrysobalanaceae	4
Caesalpiniaceae	4
Anisophylleaceae	4

**Figure 8.** Dominant families (IVI) of Waka National Park (all trees >10cm dbh)

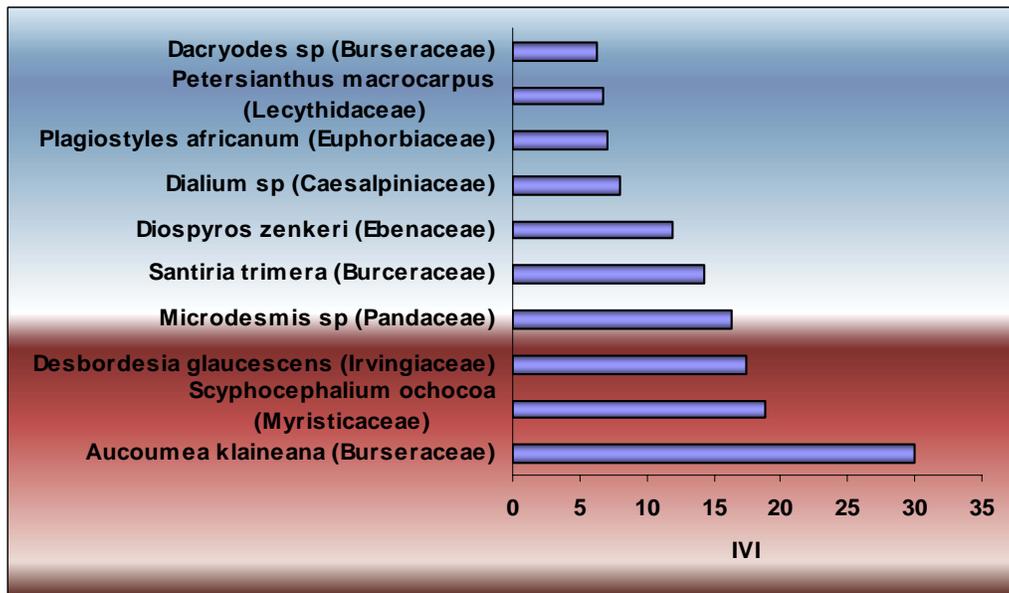


Overall, the most consistent species were found to be *Aucoumea klaineana* and *Santeria trimera* varying however in their relative IVI rankings on each plot. Other species presented a much more erratic importance value across the different plots sampled.

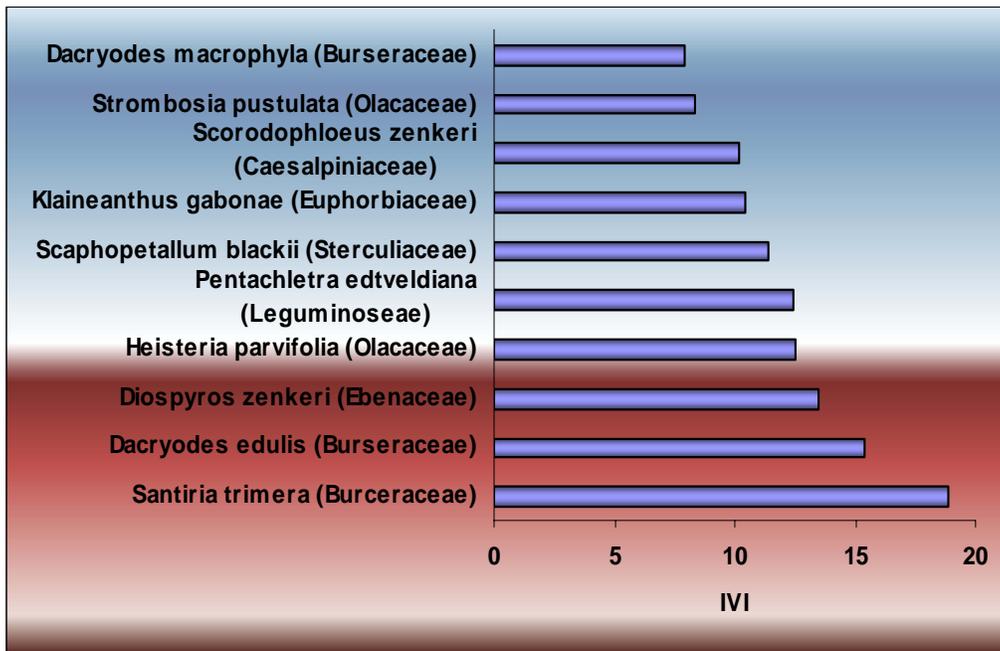
**Figure 9.** Dominant species by IVI in Plot 6 (all trees >10cm dbh)



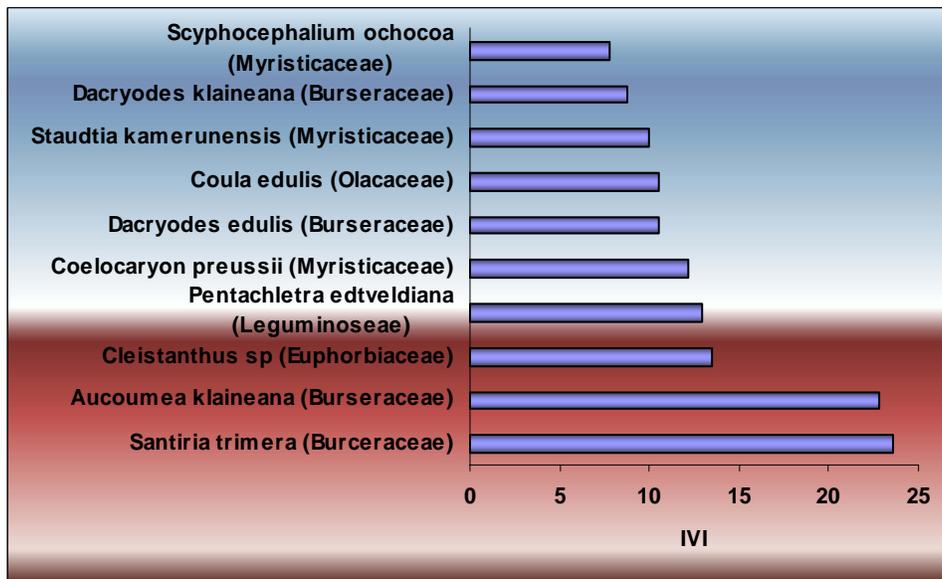
**Figure 10.** Dominant species by IVI in Plot 7 (all trees >10cm dbh)



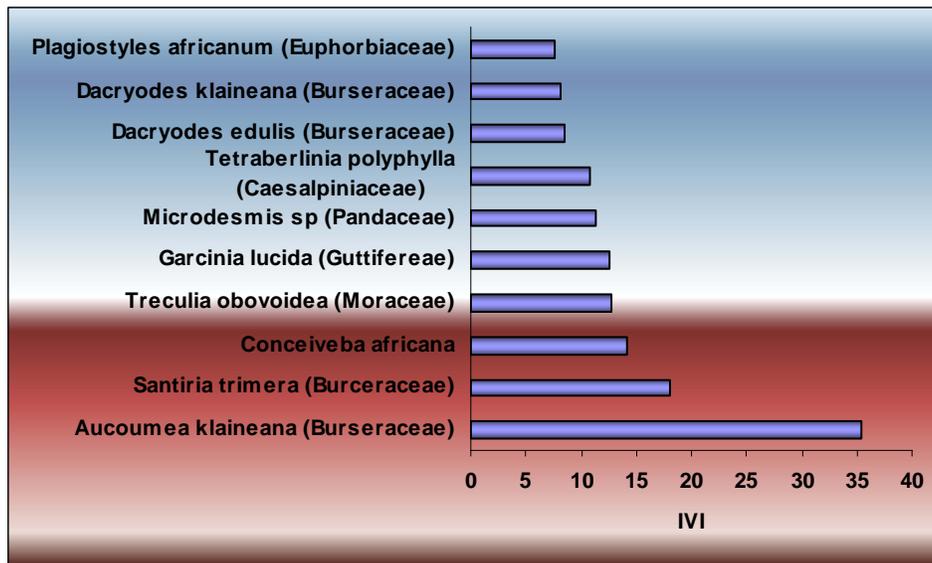
**Figure 11.** Dominant species by IVI in Plot 8 (all trees >10cm dbh)



**Figure 12.** Dominant species by IVI in Plot 9 (all trees >10cm dbh)



**Figure 13.** Dominant species by IVI in Plot 10 (all trees >10cm dbh)



### *Species richness*

Waka exhibits a relatively high level of alpha diversity (in terms of number of species per hectare, when considering individuals >10cm in dbh) as compared to other SI/MAB vegetation assessment sites in Africa. It ranks fourth in terms of mean numbers of trees per hectare after Monts de Cristal, Mt. Mitra and Ejagham (which are for now the references within the Congo Basin) and third after Monts de Cristal and Mt. Mitra in terms of species abundance. Most interestingly, Waka exhibits the highest mean basal area recorded so far indicating a sure potential for further logging.

The relative abundance of large diameter trees compared to other forests studied so far within the sub region could also be a positive contribution to both the touristic appeal and the biomass value of the forests around Waka.

**Table 4.** Summary of SI/MAB BDP's in Central Africa

	Campo, Cameroon	Ejagham, Cameroon	NNNP & Buffer Zone Congo	Takamanda Cameroon	Monts de Cristal Gabon	Monte Mitra Equatorial Guinea	Waka
<b>No. of plots</b>	3	2	5*	10	5	3	5
<b>Mean no. of trees (min. dbh)</b>	397 (>10cm)	525 (>10cm)	323* (>10cm)	463 (>10cm)	539 (10cm)	535 (>10cm)	486 (10cm)
<b>Mean total BA (m<sup>2</sup>/ha)</b>	31.9	33.6	29.24	30.8	37.23	31.12	39.01
<b>Mean no. of species/ha (standard deviation)</b>	76 (4.04)	75 (6.36)	77 (2.63)	93 (16.54)	119 (8.71)	107 (16.62)	100 (16.62)

### *Species distribution*

Its history of logging however has resulted in an uneven distribution of the species richness across the different sites assessed. Of the 212 species identified in Waka, 90 species occur only in one plot, 53 in two, 28 in three, 17 in four plots and 23 occur across all five plots.

Species occurring in all plots included;

*Aucoumea klaineana*, *Coula edulis*, *Dacryodes* sp, *Dichostema glaucescens*, *Diospyros* sp., *Drypetes* sp., *Garcinia epunctata*, *Garcinia* sp., *Grewia coriaceae*, *Greenwayodendron suaviolens*, *Microdesmis* sp, *Pentaclethra edtveldiana*, *Pentaclethra macrophylla*, *Plagiostyles Africana*, *Santiria trimera*, *Scytopetalum klainranum*, *Scytopetalum ochocoa*, *strombosia pustulata*, *strombosia scheffleri*, *strombosis serenii*, *Strombosia tetandra*, *Trichosypha* sp., and *Tricalysia* sp.

Those occurring in four plots were;

*Treculia obovoidea*, *Sinderopsis letestui*, *Pentadesma butyracea*, *Myrianthus serratus*, *Klaineanthus gabonae*, *Diospyroszenkeri*, *Dialium* sp., *Canarium schweinfurthii*, *Barteria fistulosa*, *Anisophyllea* sp. 1, *Cleistanthus* sp, *Anisophyllea* sp. 2, *Centroplocus glaucinus*, *Dacryodes iganganga*, *Dacryodesklaineana*, and *Pausinystalia macrocarpa*.

Ninety species occurred exclusively within one plot. They were;

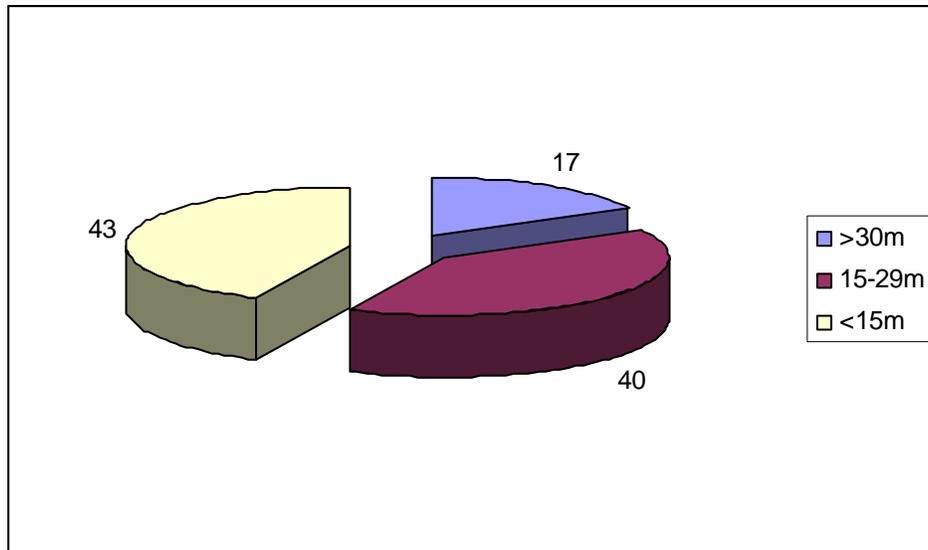
*Afrostryax kamerunensis*, *Afrostryax lepidophyllus*, *Allophyllus* sp, *Amphimas ferrugineus*, *Anthonotha* sp, *Aoranthe cladantha*, *Aphanocalyx microphyllus*, *Araliopsis soyauxii*, *Aubrevillea* sp, *Brazzeia* sp , *Carapa* sp, *Cavacoa* sp, *Celtis tessmannii*, *Chytranthus* sp, *Cleimiathus gabonea*, *Coelocaryon preussi*, *Cola acuminata*, *Cola duparquetiana*, *Cola* sp, *Conceiveba Africana*, *Corynanthe mayombensis*, *Daniellia klainei*, *Daniellia soyauxii*, *Dialum bipindense*, *Diospyros dendo*, *Diospyros piscatorial*, *Drypetes* sp, *Engomegoma gordonii*, *Eriocoelum macrocarpum*, *Funtumia Africana*, *Garcinia conrauana*, *Garcinia lucida*, *Gilbertiodendron* sp, *Grossera* sp, *Guarea cedrata*, *Guarea* sp, *Hypodaphnis zenkeri*, *Irvingia* , *Irvingiaceae grandiflora*, *Isolona* sp, *Macaranga barteri*, *Macaranga Monandra*, *Magnistipula* sp., *Maprounea membranacea* *Mareya* sp, *Margaritaria discoidea*, *Marquisia excelsa*, *Massularia acuminata*, *Memcydon* sp1, *Memcydon* sp2, *Newrtonia* sp, *Octolobus spectabilis*, *Odyendia gabonensis*, *Oncoba glauca*, *Ongokea gore*, *Oubanguia Africana*, *Pachyelasma tessmannii*, *Panda oleosa*, *Parinari excelsa*, *Piptadeniastrum africanum*, *Placadiscus* sp  
*Poga oleosa*, *Priewia oxyphylla*, *Priewia* sp, *Psychoria* sp, *Pterocarpus soyauxii*, *Pycnanthus angolensis*, *Rhabdophyllum* sp, *Sorindeia* sp, *Staudtia gabonensis*, *Stemonocoleus micranthus*, *Strephonema* sp, *Strephonema mannii*, *Synsepalum* sp, *Syzygium* sp1, *Syzygium* sp2, *Trichoscypha arborea*, *Trichoscypha abut*, *Uapaca guineensis*, *Xylophia Africana*, *Xylophia aethiopica*, *Xylophia hypolampra*, *Xylophia pymaothi*, *Zanthoxylum* sp.

### *Forest structure*

With 413 individuals per hectare, Waka exhibits lower tree densities than Monts de Cristal, Monte Mitra, and Ejagham respectively but quite more so than Takamanda,

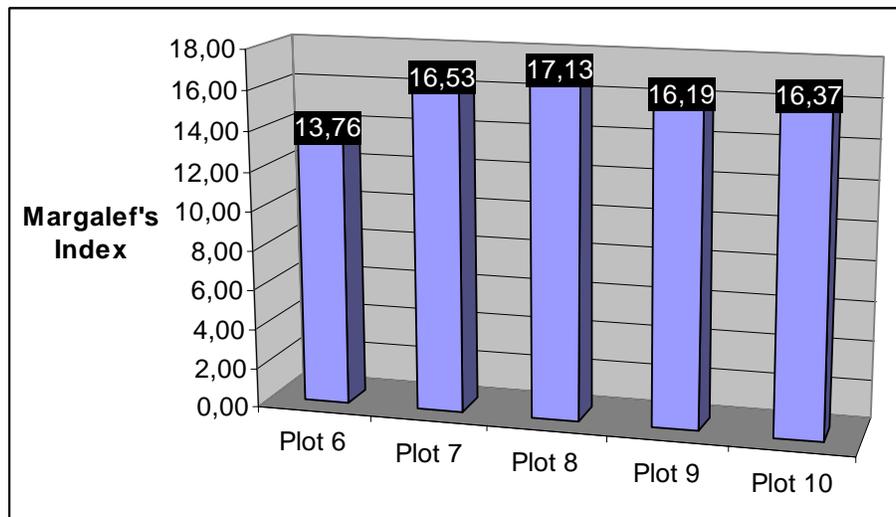
Campo or Nouabale Ndoki. Canopy emergents were recorded up to 48m, and 57% of the trees ranged between 15 and 48m.

**Figure 14:** Classification of sampled trees into height classes



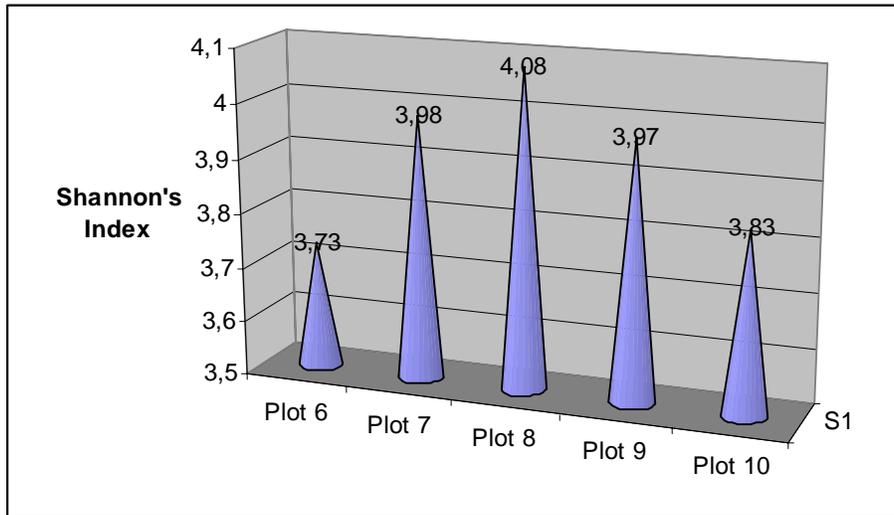
### Species richness

**Figure 15:** Comparison of species richness across sites (Margalef's Index)

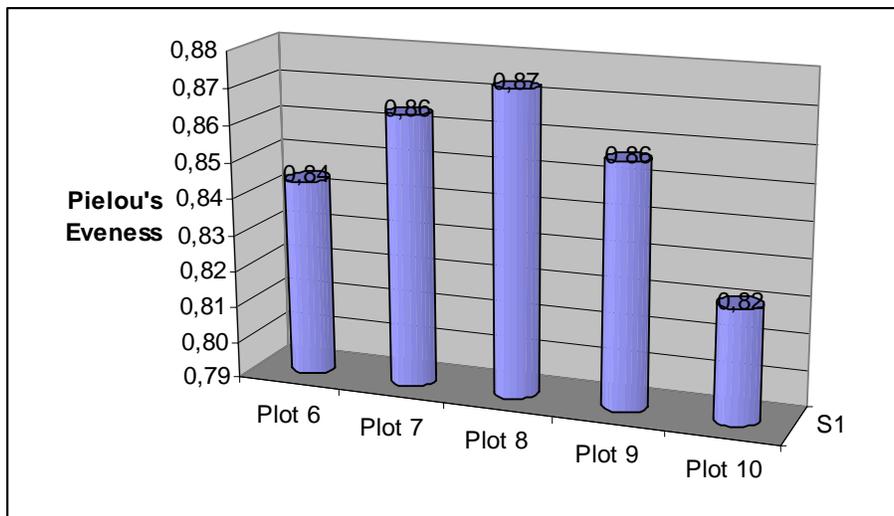


Generally, plot 8 was found to be the richest plot within the study sample due no doubt to its position on the fringe of exploited and undisturbed forest, combining as such a variety of species that are peculiar to both habitat types. This no doubt explains why the site was not only the richest in number of species, but also displayed the most even distribution of individuals across these species.

**Figure 16:** Comparison of species diversity across sites



**Figure 17:** Comparison of Pielou's Evenness of species distribution across sites



## Discussion

### *Vegetation assessment*

As has been found to be the case with the CTFS plot network, lower diversity sites are more commonly situated in the drier tropics (Thomas, 2004). In these sites, it is clear that species richness is not as high as at sites with consistently high rainfall that falls for much of the year and without a pronounced dry season, such as Manu in Peru. As such the humid nature of Waka is definitely a contributing factor to its plant diversity also. At the same time, the comparatively lower levels of rainfall than in the Monts de Cristal, would according to this theory explain why values for plant species richness and diversity are correspondingly lower as well in Waka.

The other factor contributing to the overall diversity of Waka is the variation in topography and altitude across the park from East to West especially as a function of elevation and position along the slopes of the rift valley. It is interesting as a result to note that here too like in Monts de Cristal, and more or less different to Nouabale Ndoki National Park (Congo), diversity “hot spots” vary for different taxa, suggesting that high levels of diversity are encountered throughout the entire Waka region. The unique topography of this area probably creates equally unique microhabitats especially along the slopes of the valley accounting for the appearance of new or rare plant species.

As previously mentioned, the occurrence of two species per respective genera, including one rare or new species each for *Podococcus* and *Sclerosperma* is interesting because, while *Sclerosperma* is supposedly characteristic of disturbed habitats, *Podococcus* is usually an indicator of long term stability of a habitat. It was interesting therefore to find both genera occurring sympatrically. Be it as it may, the unique climatic and topographic features of this landscape would to a great extent explain the domination of the undergrowth by these palms that along with *Raphia regalis* and various species of *Laccosperma*, and *Eremospatha* occur in surprising abundance within this forest region.

#### *Capacity building and training*

Since the initial training in June and July 2005, the parataxonomists have continued to work in WNP, participating in a variety of ecological, botanical, and ethnobotanical studies. Their work continues to be funded by the Beneficia Foundation. With current AID funding from the SI subcontract to Missouri, another para-taxonomist was added to the network, this time from Ivindo National Park.

The specimens collected by these para-taxonomists constitute an on-going contribution to baseline data collection in Gabon National Parks. Only 1 of the 13 National Parks have a checklist, leaving the rest without a solid understanding of the plant diversity protected within their borders. Furthermore, there are numerous areas in Gabon which lack any information on their forests (Sosef *et al.* 2006) thus underscoring the need for more botanical information. With the para-taxonomy program, we hope to increase the collection of plant data in the parks, thus increasing our understanding of rare plants, discovering new species, and ultimately better managing the precious forests now under protection in Gabon.

The two para-taxonomists trained during this project will, in the next few years, participate in training at the *Ecole National des Eaux et Forêts* in Libreville, making them candidates to become future park employees, thus making a lasting contribution to conservation of the Massif du Chaillu.

#### **Conclusion**

Although not quite as spectacular as Monts de Cristal in terms of species diversity or abundance, Waka compares favourably with every other study site to date in terms of basal area within the Congo Basin. However, from a biodiversity richness perspective, the conservation value of Waka National Park may lie less in the abundance and sizes of large exploitable trees than in the uniqueness of the smaller trees and plants

constituting the undergrowth. As such in addition to its wildlife, waterfalls and unique topography of the rift valley, the relatively high number of species combined with the abundance of large diameter trees and rare under storey species may well contribute to enhancing the eco-tourism and ecological appeal of Waka as a nature preserve well worth conserving.

### **Acknowledgements**

From SI: particular thanks are extended to Lee White and Bryan Curran for providing logistical and technical support to the field team during the fieldwork. The Herbar National du Gabon provided research permits and other necessary documentation without which it would have been impossible to undertake this assessment. We are also grateful to Dr. Nouhou Ndam for allowing Limbe Botanic Garden staff to take part in this field work.

MBG wishes to thank Ludovic Ngok, Joseph Mayombo, Yves Issembe of HNG. Malcolm Starkey, Gaspard Abitsi, and Jean Claude Mouandza of WCS. Joseph Mounigou, the Conservateur of Waka National Park, for authorization. This project was financed by USAID, the Beneficia Foundation, and the National Geographic Society.

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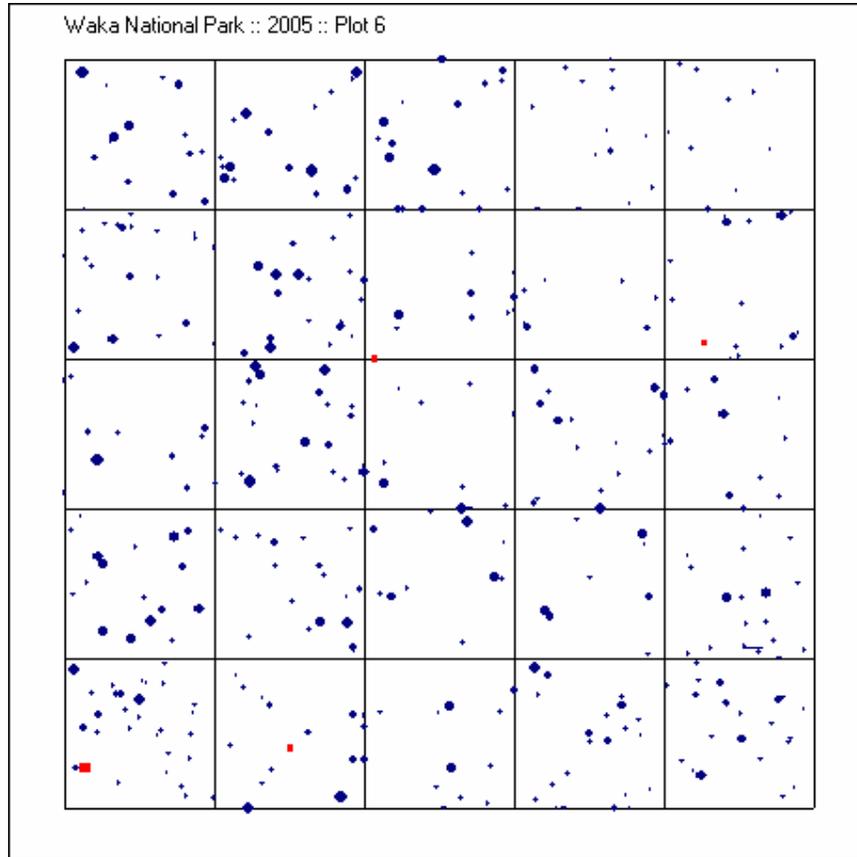
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# **APPENDIX 1:**

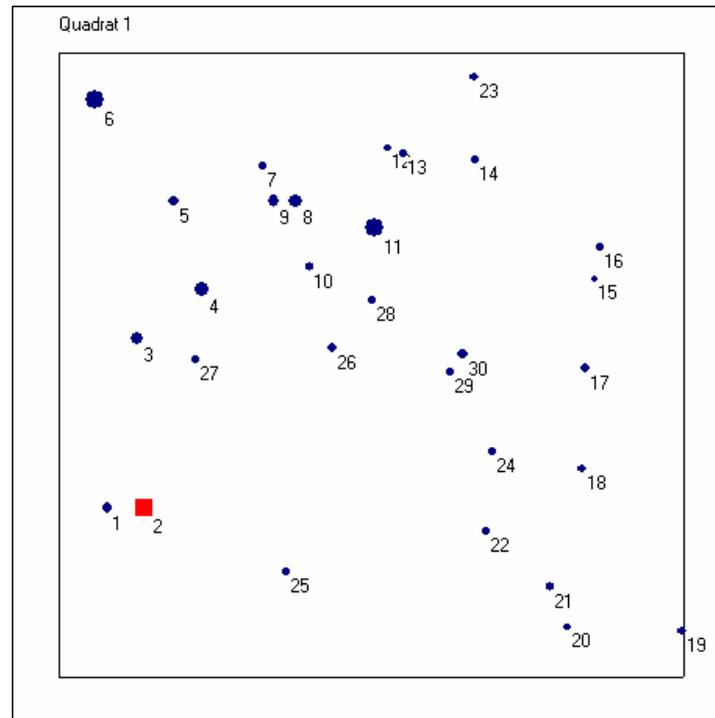
## **FIELD GUIDE TO WAKA NATIONAL PARK BIODIVERSITY PLOTS**

# Waka National Park, Logging camp, Gabon

Plot 6      01° 08,793' S      Logged forest      438m a.s.l.  
                 011° 09,771' E

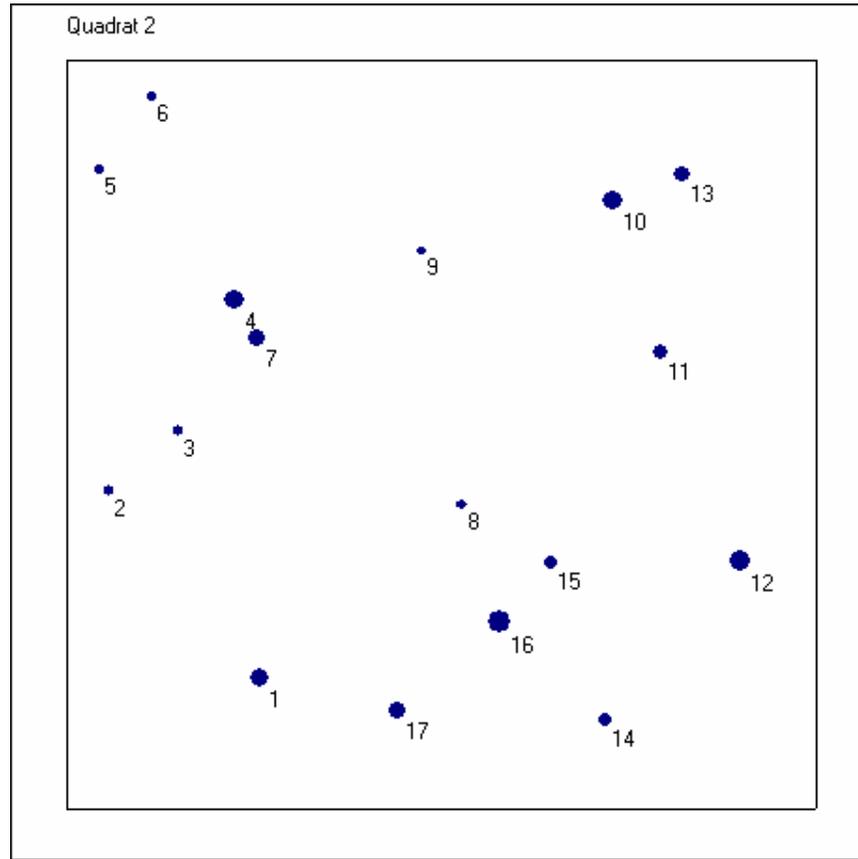


## Quadrat 1



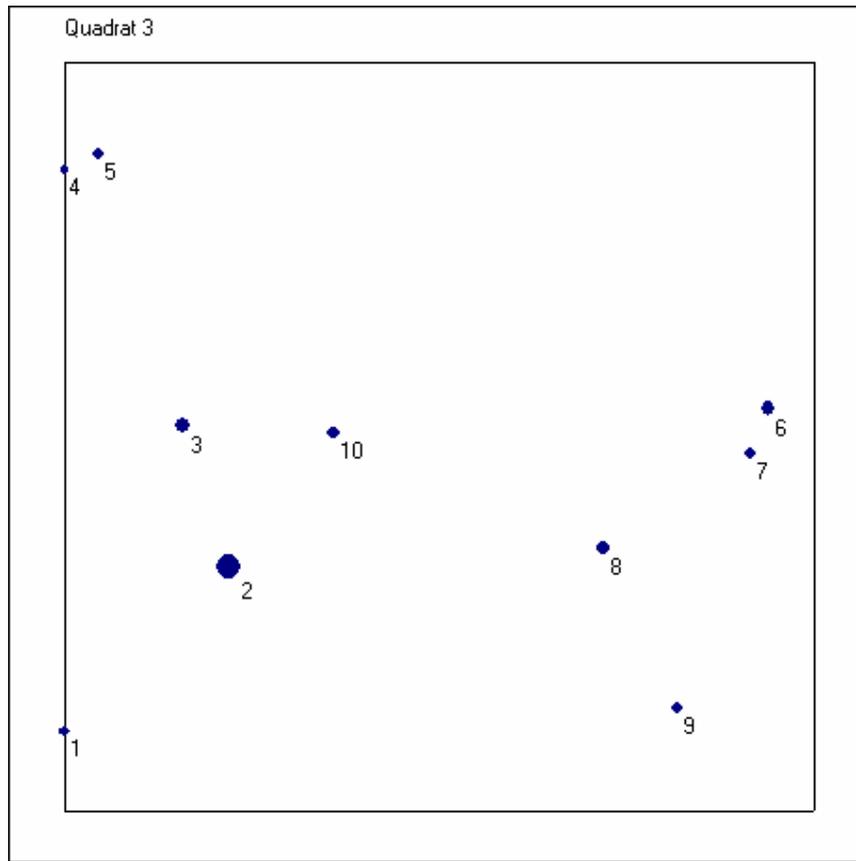
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.55	5.41	24.8	AS	20	STRSCH	Strombosia scheffleri
2	1	2.73	5.43	45	AS	25	MAGTES	Magnistipula tessmannii
2	2	2.73	5.43	47	AS	25	MAGTES	Magnistipula tessmannii
3	1	2.49	10.86	33.4	AS	30	GARSP	Garcinia sp.
4	1	4.57	12.44	42.9	AS	33	DACMAC	Dacryodes macrophylla
5	1	3.68	15.27	20.9	AS	30	GARSP	Garcinia sp.
6	1	1.15	18.51	79.3	AS	40	MARGLA	Maranthes glabra
7	1	6.54	16.36	14.1	AL	9	TRIABU	Trichoscypha abut
8	1	7.56	15.25	43.2	AS	24	DESGLA	Desbordesia glaucescens
9	1	6.88	15.25	29.7	AS	14	SANTRI	Santiria trimera
10	1	8.03	13.15	17.2	AS	15	DICGLA	Dichostemma glaucescens
11	1	10.11	14.38	80	AS	32	DACMAC	Dacryodes macrophylla
12	1	10.52	16.95	11.1	AS	8	GARSME	Garcinia smeathmannii
13	1	11.01	16.76	11.1	AS	9	ERISP	Eriocoelum sp.
14	1	13.3	16.59	12.6	AS	10	GARSME	Garcinia smeathmannii
15	1	17.16	12.74	10.1	AS	8	SANTRI	Santiria trimera
16	1	17.33	13.78	14.3	AS	14	DICGLA	Dichostemma glaucescens
17	1	16.84	9.92	19.3	AS	21	XYLSP	Xylopia sp.
18	1	16.75	6.68	13.8	AS	8	COUEDU	Coula edulis
19	1	19.95	1.48	17.9	AS	12	STRSER	Strombosiopsis serenii
20	1	16.29	1.6	11.8	AS	14	DACBUE	Dacryodes buettneri
21	1	15.71	2.9	15.6	AS	15	DRYSP	Drypetes sp.
22	1	13.68	4.68	10.5	AS	4	DIOSP	Diospyros sp.
23	1	13.3	19.22	16	AS	12	PORCLA	Porterandia cladantha
24	1	13.89	7.22	11.7	AS	7	SANTRI	Santiria trimera
25	1	7.27	3.38	15.9	AS	20	GRESUA	Greenwayodendron suaveolens
26	1	8.75	10.54	18	AS	22	SCYKLA	Scytopetalum klaineanum
27	1	4.39	10.17	15.2	AS	18	SANTRI	Santiria trimera
28	1	10.01	12.07	12.5	AS	10	GARSME	Garcinia smeathmannii
29	1	12.52	9.78	10.2	AS	11	DRYSP	Drypetes sp.
30	1	12.93	10.34	20	AS	18	GARSP	Garcinia sp.

## Quadrat 2



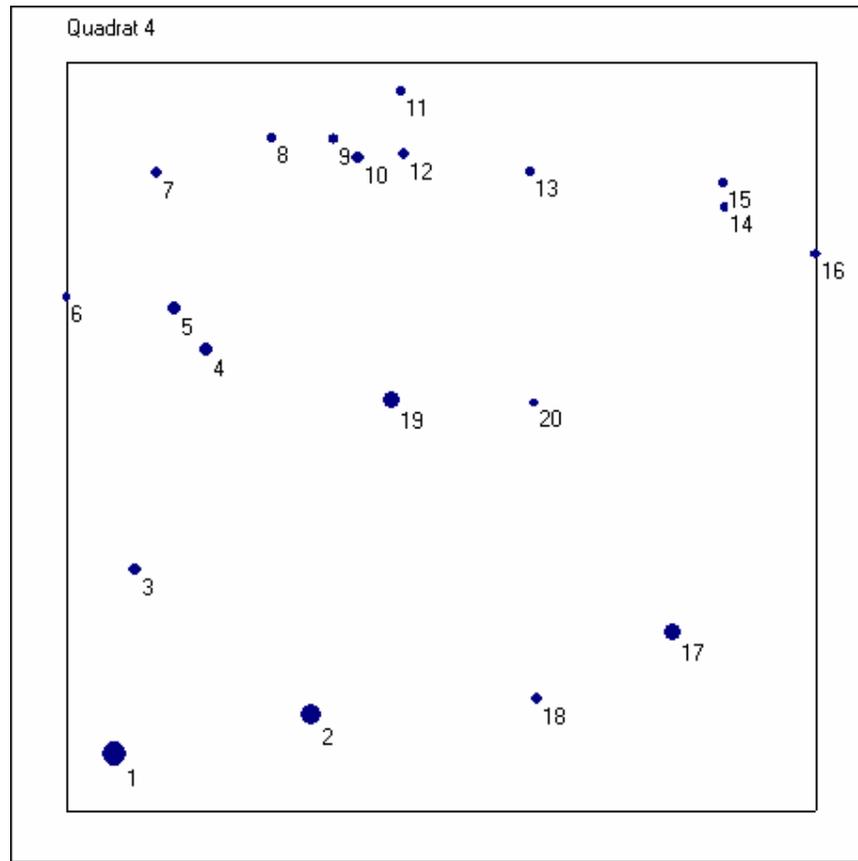
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.14	3.5	54.8	AS	35	AUCKLA	Aucoumea klaineana
2	1	1.11	8.5	15.6	AS	23	GARSP	Garcinia sp.
3	1	2.98	10.11	16	AS	18	TREOBO	Treculia obovoidea
4	1	4.48	13.6	59.9	AS	40	SCYOCH	Scyphocephalum ochocoa
5	1	0.86	17.09	14.5	AS	12	TREOBO	Treculia obovoidea
6	1	2.28	19.01	13.2	AS	13	MICSP	Microdesmis sp.
7	1	5.09	12.58	43.5	AS	28	DIASP	Dialium sp.
8	1	10.56	8.12	16.2	AS	16	SANTRI	Santiria trimera
9	1	9.46	14.9	12.5	AS	17	GARSME	Garcinia smeathmannii
10	1	14.56	16.25	64.9	AS	33	ANISPI	Anisophyllea sp. 1
11	1	15.83	12.2	35.8	AS	28	GARSP	Garcinia sp.
12	1	17.96	6.63	64.2	AS	38	AUCKLA	Aucoumea klaineana
13	1	16.42	16.95	38.8	AS	40	SCYKLA	Scytopetalum klaineanum
14	1	14.36	2.39	25.5	AS	30	GARSME	Garcinia smeathmannii
15	1	12.93	6.58	29.4	AB	25	GARSP	Garcinia sp.
16	1	11.54	5.01	82.3	AS	38	AUCKLA	Aucoumea klaineana
17	1	8.84	2.62	45.3	AS	35	COEDU	Coula edulis

### Quadrat 3



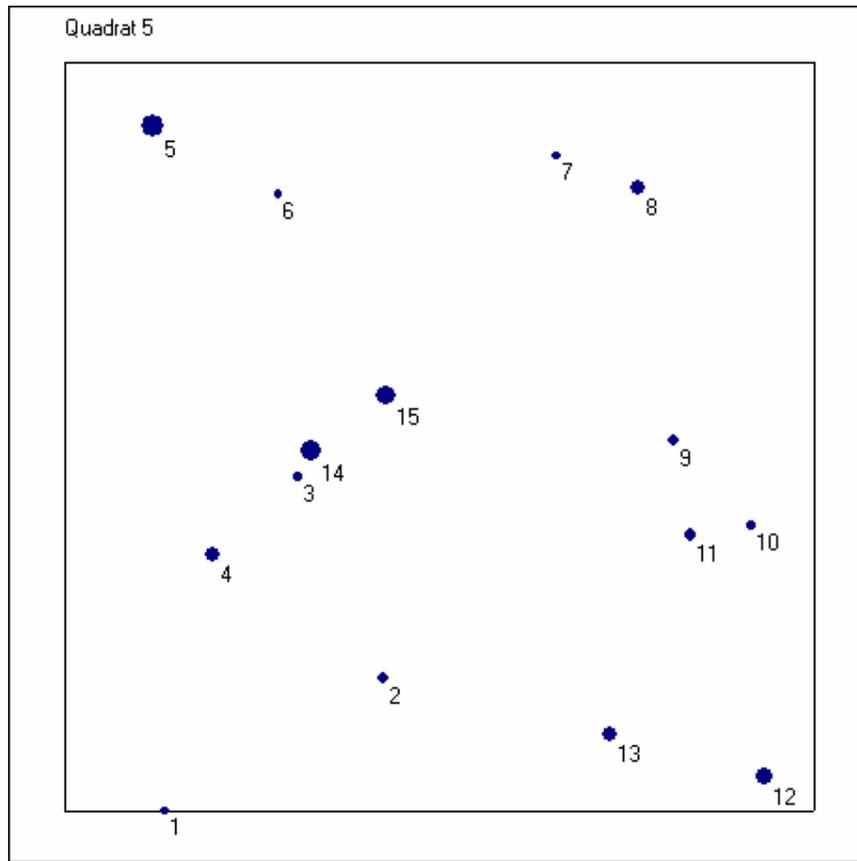
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0	2.14	14.5	AS	8	DIASP	Dialium sp.
2	1	4.39	6.53	87	AS	35	ODYGAB	Odyendia gabonensis
3	1	3.14	10.29	30.4	AS	30	GARSP	Garcinia sp.
4	1	0	17.14	12.2	AS	9	MICSP	Microdesmis sp.
5	1	0.9	17.56	17.3	AS	14	GARSP	Garcinia sp.
6	1	18.78	10.75	30.8	AS	28	COEPRE	Coelocaryon preussii
7	1	18.32	9.53	18.1	AS	25	GARSP	Garcinia sp.
8	1	14.36	7.03	26.9	AS	20	GARSP	Garcinia sp.
9	1	16.36	2.74	21.7	AS	23	GARSP	Garcinia sp.
10	1	7.17	10.11	22.3	AS	20	EUPH	Euphorbiaceae

### Quadrat 4



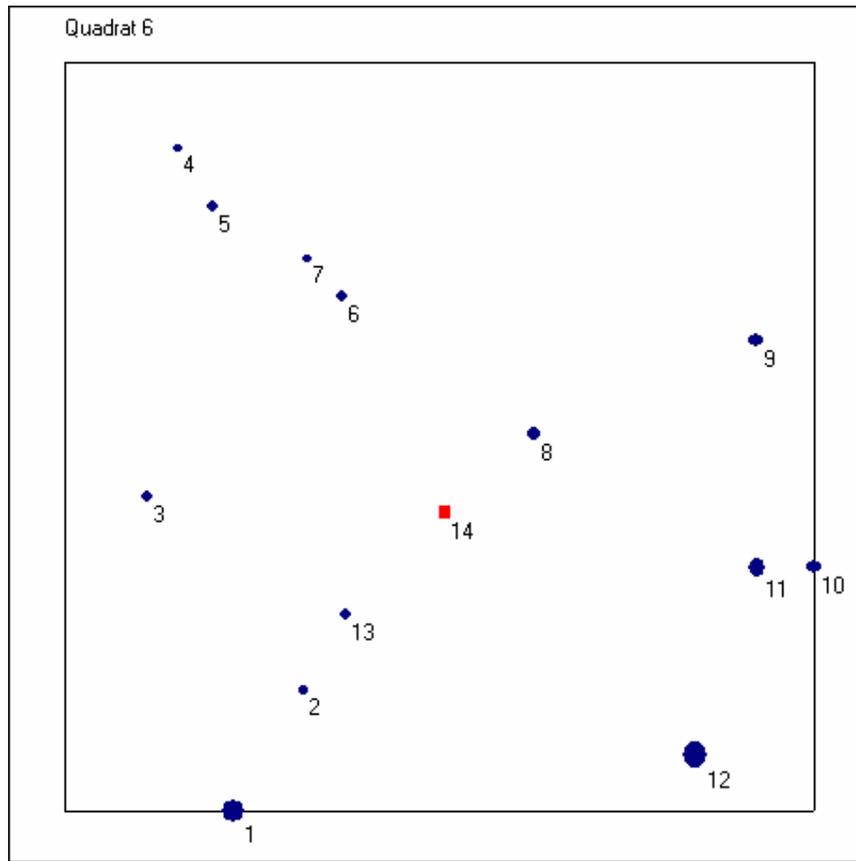
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.26	1.54	94.5	AS	35	AUCKLA	Aucoumea klaineana
2	1	6.53	2.59	66.3	AS	30	COUEDU	Coula edulis
3	1	1.84	6.44	24	AS	22	GARSP	Garcinia sp.
4	1	3.73	12.32	20.7	AS	18	BARFIS	Barteria fistulosa
5	1	2.88	13.42	23.6	AS	19	PLAAFR	Plagiostyles africana
6	1	0	13.72	11.7	AS	9	TREOBO	Treculia obovoidea
7	1	2.39	17.05	22.6	AS	16	CARPRO	Carapa procera
8	1	5.47	17.98	17	AS	15	GARSP	Garcinia sp.
9	1	7.13	17.93	17.8	AS	16	INDET	
10	1	7.79	17.45	25.9	AS	15	AUCKLA	Aucoumea klaineana
11	1	8.92	19.24	13.8	AS	10	EUPH	Euphorbiaceae
12	1	8.99	17.54	18	AS	16	BARFIS	Barteria fistulosa
13	1	12.39	17.06	12	AS	5	CARPRO	Carapa procera
14	1	17.55	16.12	13.6	AS	7	BIESP	Beilschmiedia sp.
15	1	17.53	16.79	12.4	AS	12	CARPRO	Carapa procera
16	1	20	14.88	15.6	AS	14	EUPH	Euphorbiaceae
17	1	16.18	4.76	41.3	AS	30	COUEDU	Coula edulis
18	1	12.55	3	15.3	AS	18	PAUJOH	Pausinystalia johimbe
19	1	8.67	10.97	39.6	AS	30	SCYOCH	Scyphocephalum ochocoa
20	1	12.49	10.91	11.4	AS	15	ANNCHL	Annickia chlorantha

### Quadrat 5



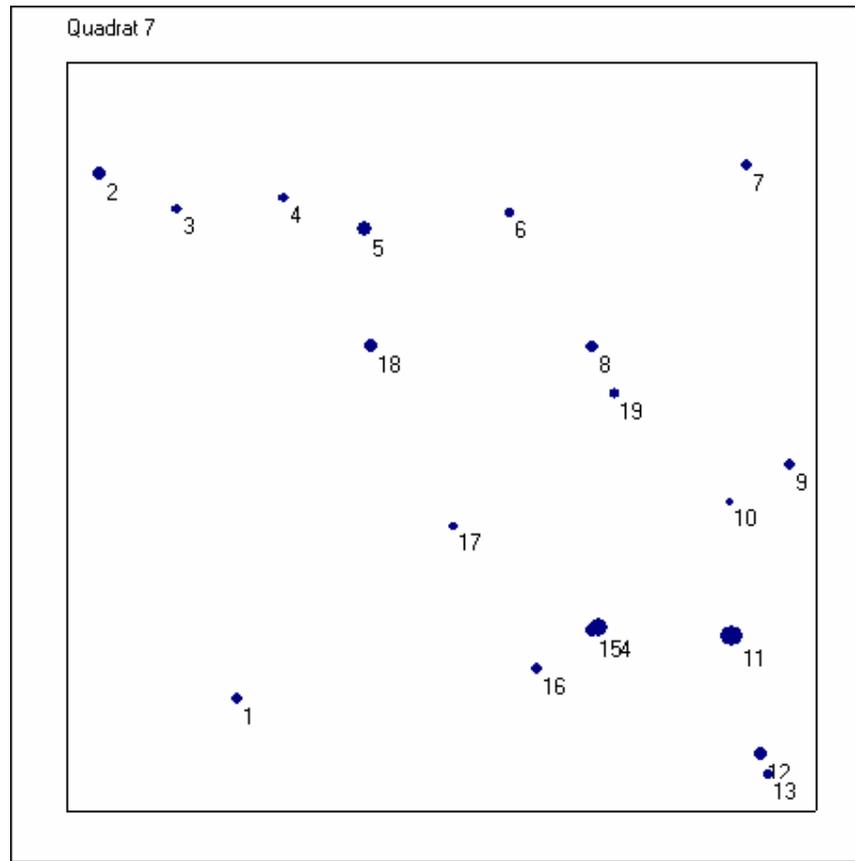
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.67	0	11.5	AS	12	ANISP2	Anisophyllea sp. 2
2	1	8.49	3.54	21.2	AS	28	GARSP	Garcinia sp.
3	1	6.21	8.94	12.6	AS	6	TREOBO	Treculia obovoidea
4	1	3.94	6.85	30.2	AS	22	GARSP	Garcinia sp.
5	1	2.37	18.3	83	AS	35	AUCKLA	Aucoumea klaineana
6	1	5.7	16.46	12.3	AS	13	XYLSP	Xylopia sp.
7	1	13.13	17.5	10.7	AS	7	TREOBO	Treculia obovoidea
8	1	15.31	16.63	36.1	AS	26	ANISP3	Anisophyllea sp. 3
9	1	16.23	9.89	18.3	AS	29	GRESUA	Greenwayodendron suaveolens
10	1	18.31	7.64	14.9	AS	25	HOMSP	Homalium sp.
11	1	16.7	7.4	25.7	AS	27	GARSP	Garcinia sp.
12	1	18.69	0.93	41.9	AS	26	SCYPOCH	Scyphocephalum ochocoa
13	1	14.54	2.04	36.3	AS	30	GARSP	Garcinia sp.
14	1	6.58	9.61	69.4	AS	40	AUCKLA	Aucoumea klaineana
15	1	8.58	11.11	57	AS	37	COUEDU	Coula edulis

## Quadrat 6



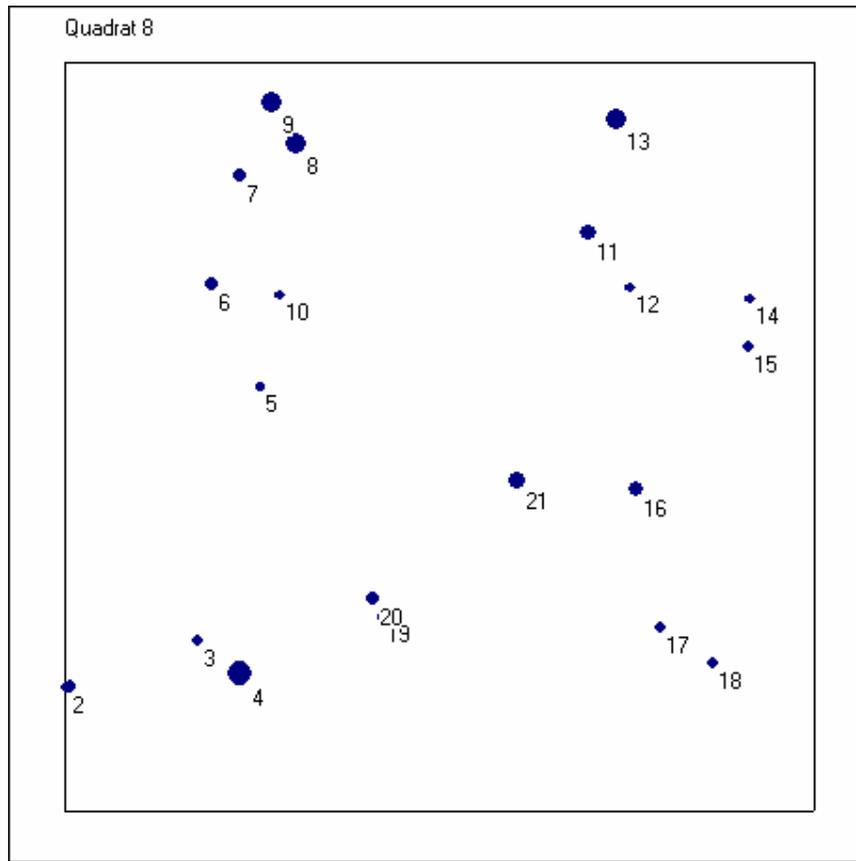
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.48	0	80.8	AS	45	AUCKLA	Aucoumea klaineana
2	1	6.39	3.22	13.1	AS	16	XYLSTA	Xylopia staudtii
3	1	2.19	8.39	16.7	AS	14	ODYGAB	Odyendia gabonensis
4	1	3.02	17.71	10.5	AS	7	CORMAY	Corynanthe mayombensis
5	1	3.94	16.16	16.7	AS	14	CARPRO	Carapa procera
6	1	7.4	13.75	22.6	AS	16	SANTRI	Santiria trimera
7	1	6.46	14.74	10.4	AS	14	SANTRI	Santiria trimera
8	1	12.51	10.08	26.3	AS	18	DACKLA	Dacryodes klaineana
9	1	18.45	12.56	28.4	AS	26	PLAAFR	Plagiostyles africana
10	1	20	6.53	26.6	AS	22	KLAGAB	Klaineanthus gabonae
11	1	18.48	6.5	44.9	AS	26	GARSP	Garcinia sp.
12	1	16.84	1.51	101	AS	32	AUCKLA	Aucoumea klaineana
13	1	7.51	5.24	18.5	AS	12	TREOBO	Treculia obovoidea
14	1	10.15	7.96	17.5	AS	16	PLAAFR	Plagiostyles africana
14	2	10.15	7.96	18.8	AS	18	PLAAFR	Plagiostyles africana

### Quadrat 7



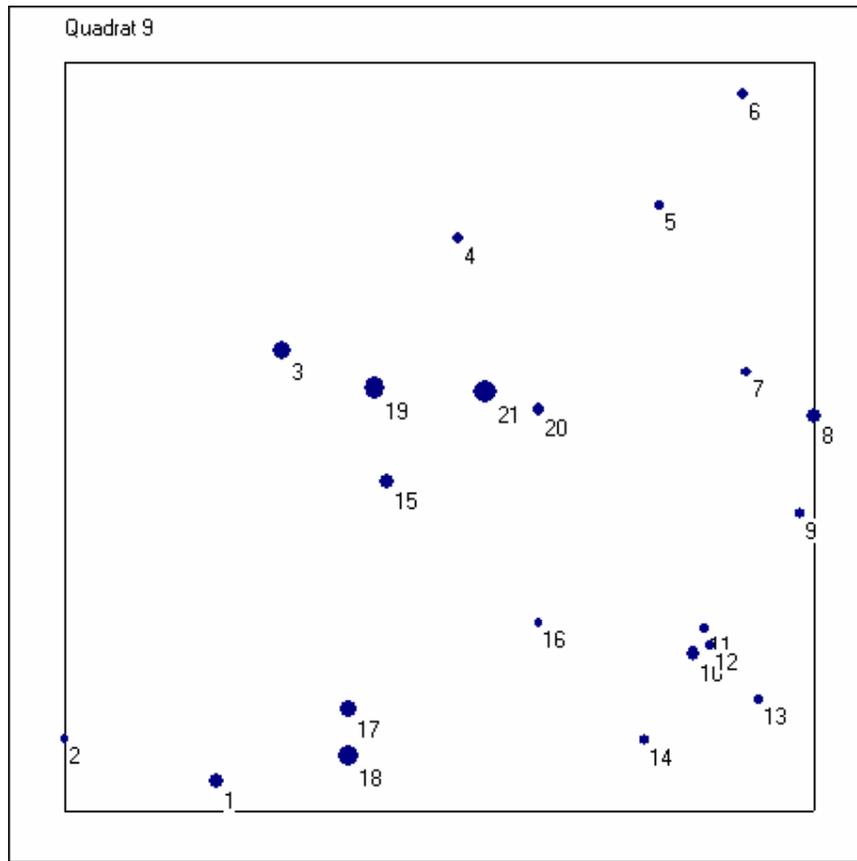
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.55	2.99	19.2	AS	16	STRTET	Strombosia tetandra
2	1	0.88	17.02	20.7	AS	20	BIESP	Beilschmiedia sp.
3	1	2.97	16.08	18.7	AS	18	TRIACU	Trichoscypha acuminata
4	1	5.81	16.38	15.2	AS	10	TRISP	Tricalysia sp.
5	1	7.95	15.55	32.6	AS	26	SCYOCH	Scyphocephalum ochocoa
6	1	11.82	15.98	13.3	AS	14	GARSME	Garcinia smeathmannii
7	1	18.14	17.25	16.8	AS	13	TREOBO	Treculia obovoidea
8	1	14.02	12.39	24.6	AS	22	XYLAET	Xylopia aethiopica
9	1	19.3	9.24	20.9	AS	6	MICSP	Microdesmis sp.
10	1	17.71	8.24	10.4	AS	8	GRESUA	Greenwayodendron suaveolens
11	1	17.75	4.68	71.6	AS	30	AUCKLA	Aucoumea klaineana
12	1	18.53	1.53	24.7	AS	28	GARSP	Garcinia sp.
13	1	18.72	0.99	11.4	AS	12	SANTRI	Santiria trimera
14	1	14.18	4.9	56.8	AS	33	PARBIC	Parkia bicolor
15	1	14.04	4.82	25.6	AS	25	GARSP	Garcinia sp.
16	1	12.57	3.82	19.2	AS	18	MICSP	Microdesmis sp.
17	1	10.33	7.6	11.5	AS	14	GRESUA	Greenwayodendron suaveolens
18	1	8.13	12.43	22.5	AS	10	TREOBO	Treculia obovoidea
19	1	14.63	11.15	16.7	AS	18	PENMAC	Pentaclethra macrophylla

### Quadrat 8



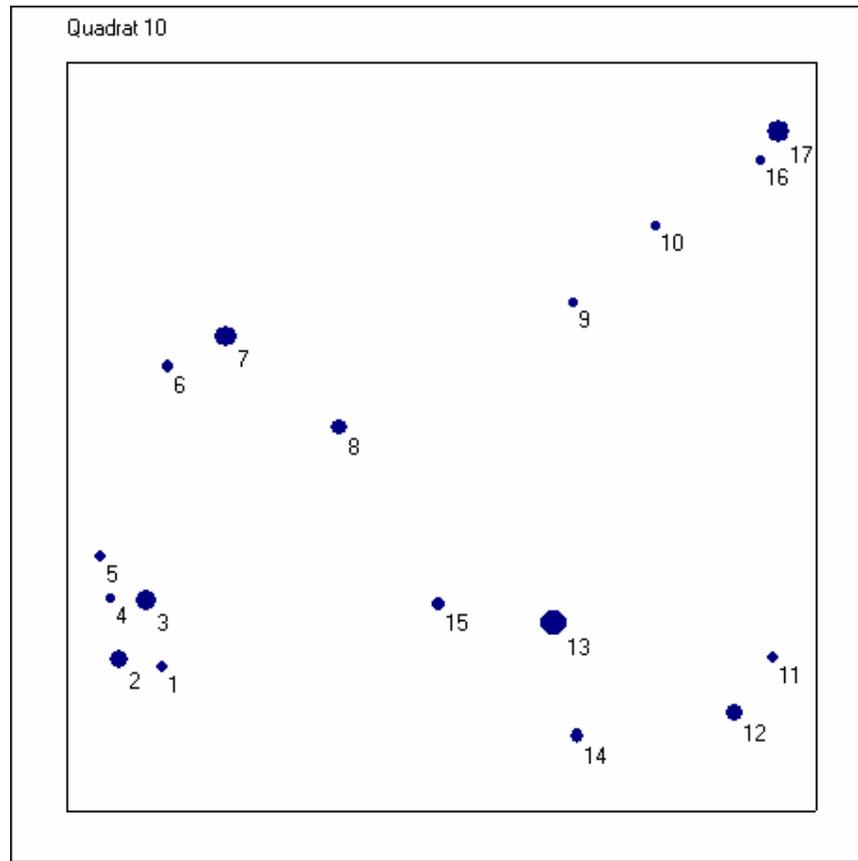
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.15	3.33	24.1	AS	25	SANTRI	Santiria trimera
2	1	0.04	3.29	18.6	AS	18	GARSP	Garcinia sp.
3	1	3.57	4.56	17.6	AS	15	GARSP	Garcinia sp.
4	1	4.69	3.68	93.7	AS	40	AUCKLA	Aucoumea klaineana
5	1	5.24	11.33	12.7	AS	12	GARSP	Garcinia sp.
6	1	3.92	14.08	24.4	AS	15	GARSP	Garcinia sp.
7	1	4.67	17	25.4	AS	19	GARSP	Garcinia sp.
8	1	6.16	17.81	64.7	AS	32	PENMAC	Pentaclethra macrophylla
9	1	5.53	18.93	71.6	AS	35	SCYOCH	Scyphocephalum ochocoa
10	1	5.75	13.77	14.6	AS	20	GARSP	Garcinia sp.
11	1	13.99	15.46	41.3	AS	24	GARSP	Garcinia sp.
12	1	15.1	13.97	16.5	AS	6	MICSP	Microdesmis sp.
13	1	14.72	18.48	73.9	AS	35	CANSCH	Canarium schweinfurthii
14	1	18.31	13.68	15.8	AS	8	IRVGRA	Irvingiaceae grandiflora
15	1	18.25	12.39	20.1	AS	10	MICSP	Microdesmis sp.
16	1	15.24	8.6	33.9	AS	16	PLAAFR	Plagiostyles africana
17	1	15.91	4.91	15.7	AS	12	GARSP	Garcinia sp.
18	1	17.29	3.97	18.7	AS	22	GARSP	Garcinia sp.
19	1	8.47	5.17	14.4	AS	18	GARSP	Garcinia sp.
20	1	8.21	5.66	24.4	AS	26	DIASP	Dialium sp.
21	1	12.08	8.83	46.5	AS	32	COUEDU	Coula edulis

### Quadrat 9



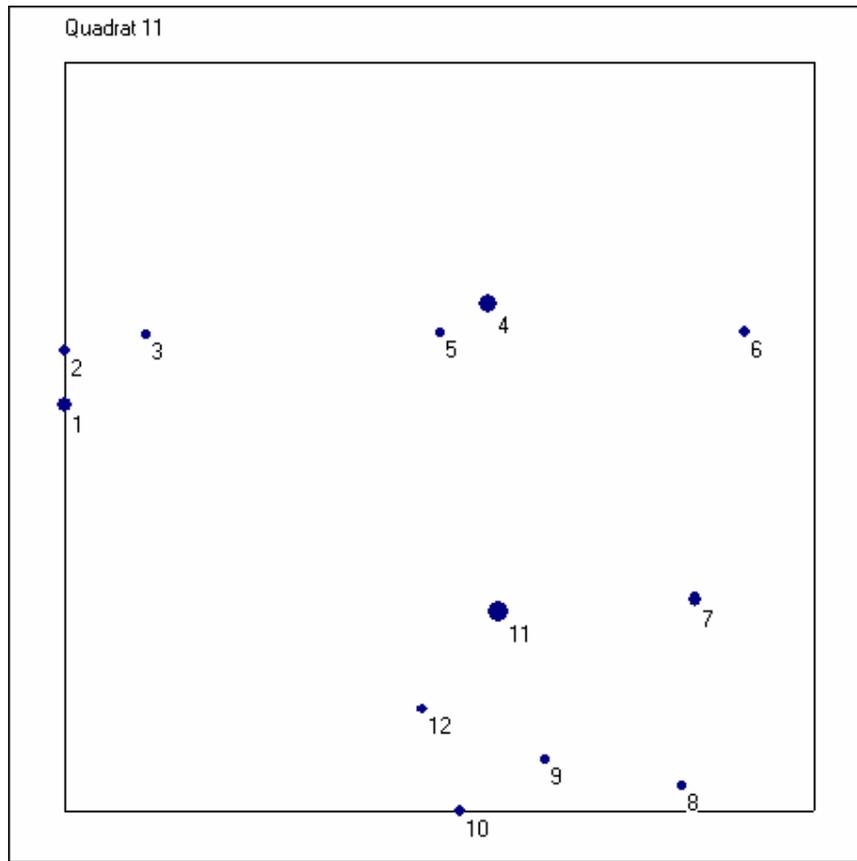
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.03	0.79	36.2	AS	18	COEDU	<i>Coula edulis</i>
2	1	0	1.95	13	AS	14	GARSP	<i>Garcinia</i> sp.
3	1	5.79	12.28	57.4	AS	36	AUCKLA	<i>Aucoumea klaineana</i>
4	1	10.5	15.3	22.9	AS	7	MICSP	<i>Microdesmis</i> sp.
5	1	15.88	16.15	13.5	AS	8	GARSP	<i>Garcinia</i> sp.
6	1	18.08	19.13	20.7	AS	14	GAREPU	<i>Garcinia epunctata</i>
7	1	18.2	11.71	15.9	AS	12	ANNMAN	<i>An#nidium mannii</i>
8	1	20	10.53	33.9	AS	20	DACMAC	<i>Dacryodes macrophylla</i>
9	1	19.61	7.94	14.6	AS	14	MICSP	<i>Microdesmis</i> sp.
10	1	16.77	4.2	28.5	AS	18	ANISP3	<i>Anisophyllea</i> sp. 3
11	1	17.08	4.87	10.7	AS	16	MICSP	<i>Microdesmis</i> sp.
12	1	17.21	4.43	14.3	AS	14	MICSP	<i>Microdesmis</i> sp.
13	1	18.54	3	12.8	AS	14	CARPRO	<i>Carapa procera</i>
14	1	15.48	1.9	15.7	AS	18	DACSP	<i>Dacryodes</i> sp.
15	1	8.59	8.79	36	AS	32	COEDU	<i>Coula edulis</i>
16	1	12.66	5.02	10.9	AS	5	SINLET	<i>Sinderopsis letestui</i>
17	1	7.57	2.74	40.6	AS	36	AUCKLA	<i>Aucoumea klaineana</i>
18	1	7.56	1.47	71.1	AS	40	AUCKLA	<i>Aucoumea klaineana</i>
19	1	8.27	11.3	68.9	AS	36	AUCKLA	<i>Aucoumea klaineana</i>
20	1	12.66	10.72	21.9	AS	8	MICSP	<i>Microdesmis</i> sp.
21	1	11.22	11.19	84.2	AS	38	ARASOY	<i>Araliopsis soyauxii</i>

## Quadrat 10



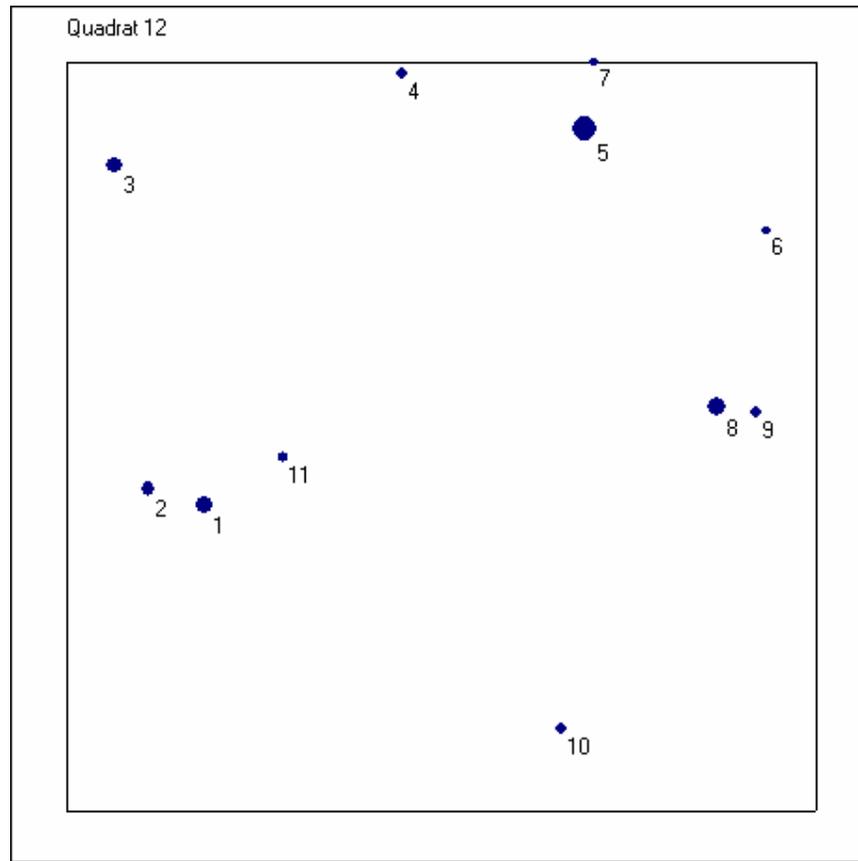
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.53	3.87	20.4	AS	15	SANTRI	Santiria trimera
2	1	1.41	4.06	59	AS	37	PENMAC	Pentaclethra macrophylla
3	1	2.12	5.63	66	AS	37	AUCKLA	Aucoumea klaineana
4	1	1.19	5.66	14.3	AS	16	PLAAFR	Plagiostyles africana
5	1	0.9	6.8	15.9	AS	14	MICSP	Microdesmis sp.
6	1	2.69	11.87	22.3	AS	10	TREOBO	Treulia obovoidea
7	1	4.27	12.68	75	AS	30	AUCKLA	Aucoumea klaineana
8	1	7.28	10.24	40.5	AS	25	PENMAC	Pentaclethra macrophylla
9	1	13.51	13.58	14.1	AS	6	TRIABU	Trichoscypha abut
10	1	15.72	15.63	17.1	AS	15	SINLET	Sinderopsis letestui
11	1	18.84	4.11	17.2	AS	14	GAREPU	Garcinia epunctata
12	1	17.84	2.61	40.2	AS	18	ARASOY	Araliopsis soyauxii
13	1	12.99	5.04	100	AS	40	AUCKLA	Aucoumea klaineana
14	1	13.63	1.99	33	AS	30	AUCKLA	Aucoumea klaineana
15	1	9.92	5.53	31.7	AS	32	GARSP	Garcinia sp.
16	1	18.52	17.36	11.6	AS	13	SANTRI	Santiria trimera
17	1	18.99	18.16	75.9	AS	18	COUEDU	Coula edulis

### Quadrat 11



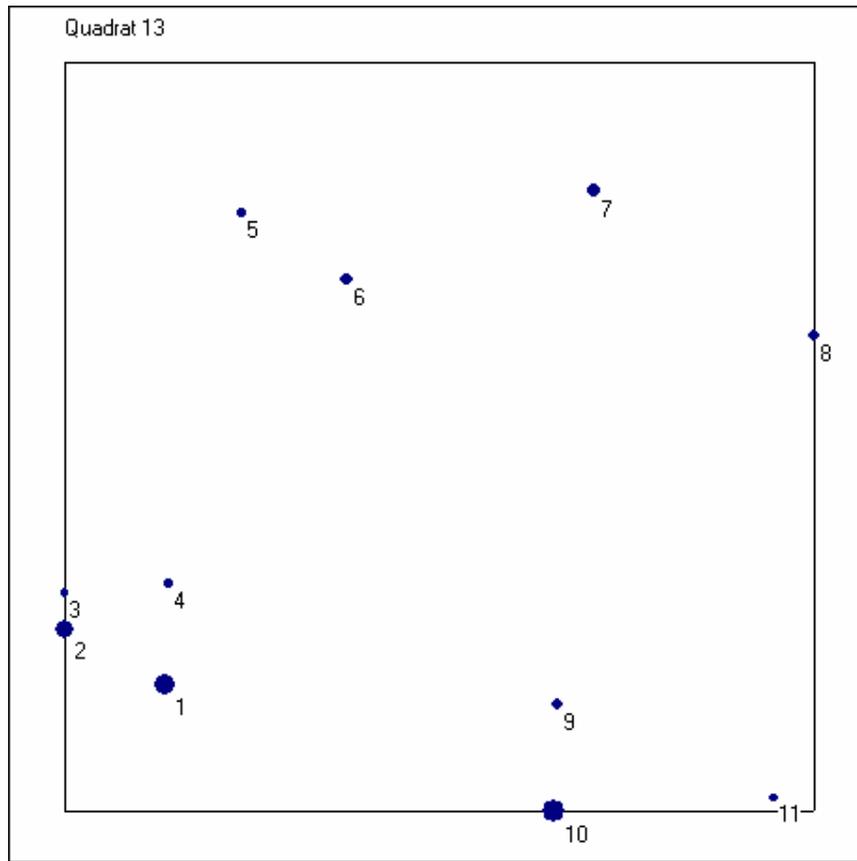
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0	10.85	28.1	AS	22	GARSP	Garcinia sp.
2	1	0	12.3	15	AS	10	GARSP	Garcinia sp.
3	1	2.18	12.74	13.4	AS	9	GARSP	Garcinia sp.
4	1	11.29	13.54	57	DB	6	INDET	
5	1	10.04	12.77	12.4	AS	12	MICSP	Microdesmis sp.
6	1	18.15	12.8	19.8	AS	16	GRECOR	Grewia coriacea
7	1	16.84	5.64	29.8	AS	30	SANTRI	Santiria trimera
8	1	16.46	0.68	12.9	AS	8	MICSP	Microdesmis sp.
9	1	12.84	1.37	12.2	AS	6	MICSP	Microdesmis sp.
10	1	10.53	0	18.9	AS	14	MICSP	Microdesmis sp.
11	1	11.58	5.32	65.6	AS	30	COEPRE	Coelocaryon preussii
12	1	9.55	2.71	14.1	AS	16	STRSCH	Strombosia scheffleri

## Quadrat 12

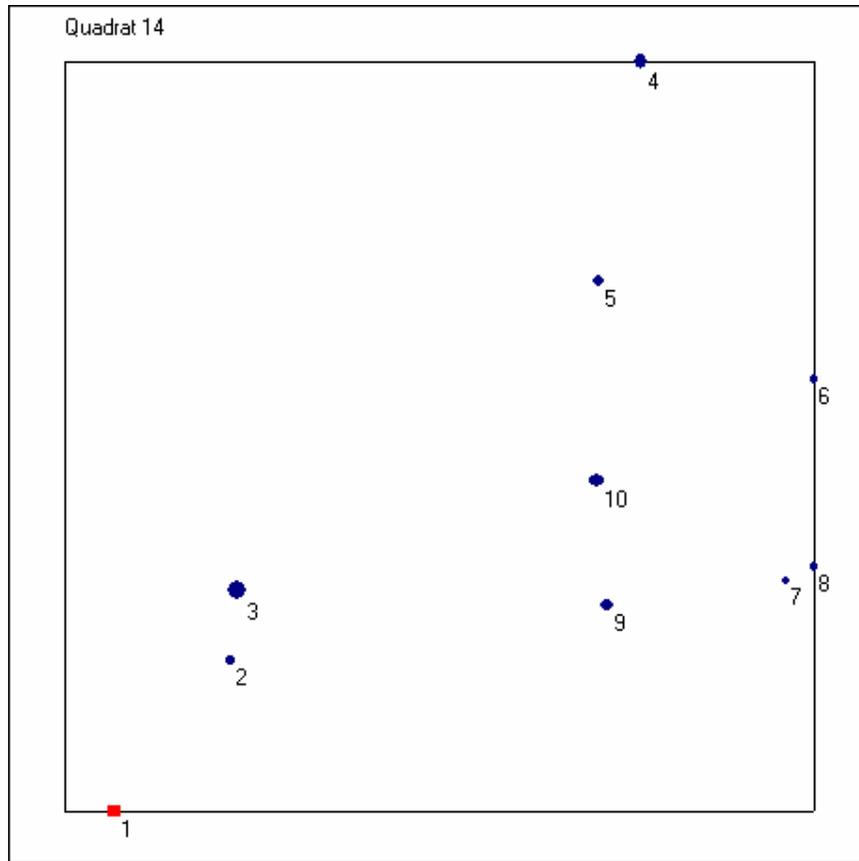


Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.66	8.19	44.3	AS	12	SCYOCH	Scyphocephalum ochocoa
2	1	2.16	8.6	28.1	AS	28	PENBUT	Pentadesma butyracea
3	1	1.27	17.26	40.8	AS	25	KLAGAB	Klaineanthus gabonae
4	1	8.94	19.7	15.9	AS	10	XYLSTA	Xylopia staudtii
5	1	13.82	18.22	86.5	AS	35	POGOLE	Poga oleosa
6	1	18.67	15.51	11.1	AS	4	MICSP	Microdesmis sp.
7	1	14.08	20	12.9	AS	8	SANTRI	Santiria trimera
8	1	17.35	10.81	50.2	AS	26	PENEDT	Pentaclethra edtveldiana
9	1	18.41	10.65	21.3	AS	8	ANNMAN	An#nidium manni
10	1	13.19	2.19	21.2	AS	12	GARSP	Garcinia sp.
11	1	5.78	9.45	15.5	AS	5	ANISP2	Anisophyllea sp. 2

### Quadrat 13



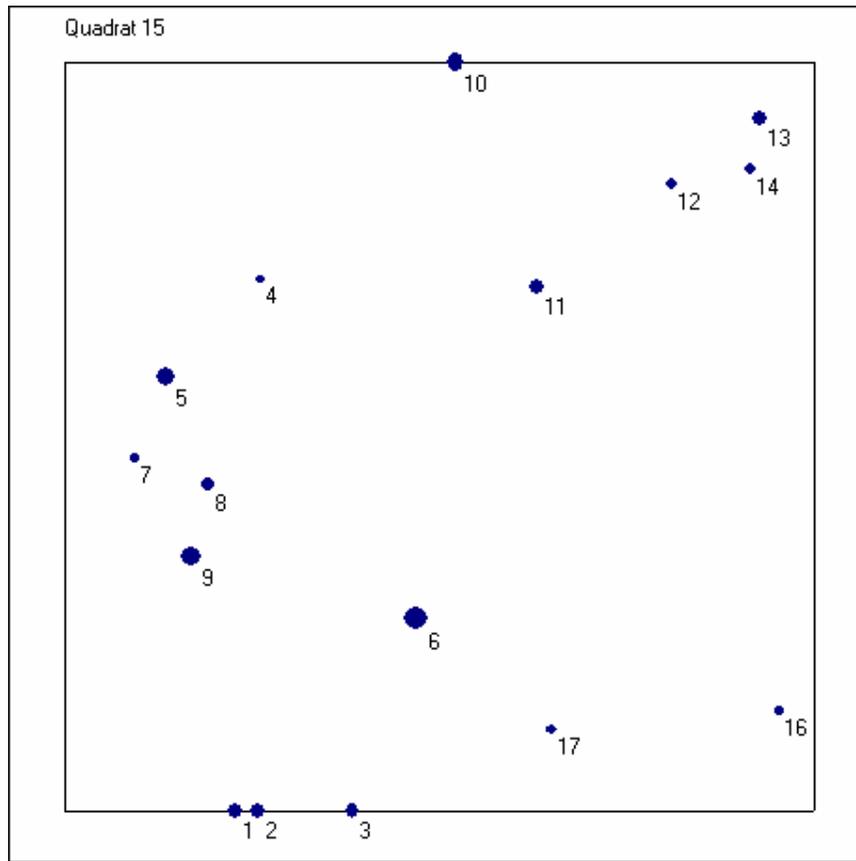
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.68	3.39	64.5	AS	16	COUEDU	<i>Coula edulis</i>
2	1	0	4.84	59.5	AS	22	SCYOCH	<i>Scyphocephalum ochocoa</i>
3	1	0	5.83	10.1	AS	8	GRESUA	<i>Greenwayodendron suaveolens</i>
4	1	2.77	6.07	14.8	AS	6	MAESP	<i>Maesobotrya</i> sp.
5	1	4.74	15.98	14.7	AS	13	GRECOR	<i>Grewia coriacea</i>
6	1	7.53	14.18	20.8	AS	10	GARSP	<i>Garcinia</i> sp.
7	1	14.12	16.58	24.9	AS	28	PENEDT	<i>Pentaclethra edtveldiana</i>
8	1	20	12.69	18.5	AS	14	OCHSES	<i>Ochthocosmos sessiliflorus</i>
9	1	13.15	2.84	20	AS	16	SCYKLA	<i>Scytopetalum klaineana</i>
10	1	13.04	0	83.5	AS	32	AUCKLA	<i>Aucoumea klaineana</i>
11	1	18.91	0.35	11.8	AL	4	MICSP	<i>Microdesmis</i> sp.



Quadrat 14

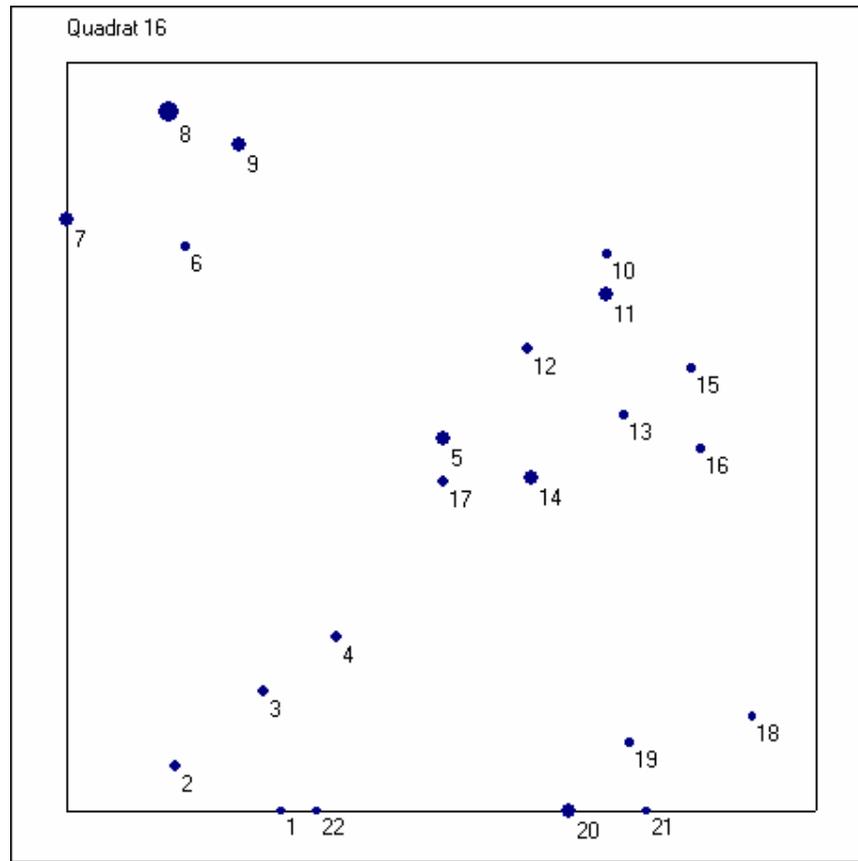
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.31	0	18	AS	20	SCYOCH	Scyphocephalum ochocoa
1	2	1.31	0	16	AS	20	SCYOCH	Scyphocephalum ochocoa
2	1	4.44	4.04	14.1	AS	10	MICSP	Microdesmis sp.
3	1	4.58	5.89	58.7	AS	30	AUCKLA	Aucoumea klaineana
4	1	15.38	20	30.2	AS	12	COUEDU	Coula edulis
5	1	14.27	14.16	18.9	AS	13	GARSP	Garcinia sp.
6	1	20	11.53	10.8	AS	10	CORMAY	Corynanthe mayombensis
7	1	19.26	6.15	10.4	AS	8	ERIEXU	Erismadelphus exul
8	1	20	6.53	10.4	AS	9	STRPUS	Strombosia pustulata
9	1	14.47	5.5	22	AS	11	DISBEN	Disteminanthus benthamianus
10	1	14.2	8.83	31.9	AS	27	PENEDT	Pentaclethra edtveldiana

### Quadrat 15



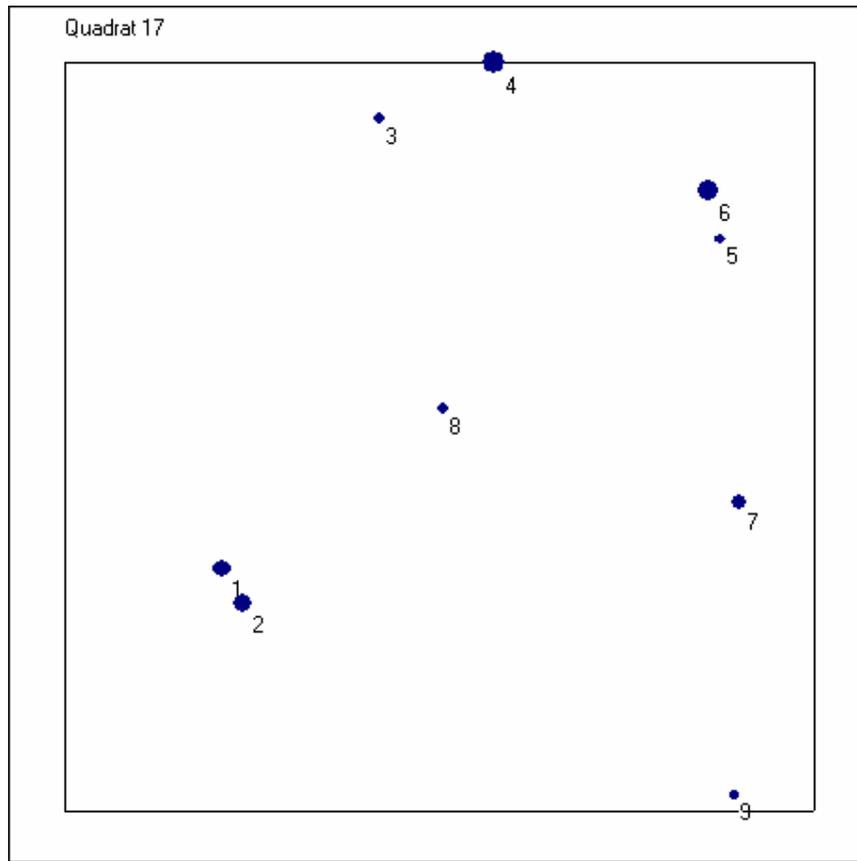
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.55	0	28.2	AS	28	PENEDT	Pentaclethra edtveldiana
2	1	5.14	0	32.1	AS	25	KLAGAB	Klaineanthus gabonae
3	1	7.69	0	29.2	AS	12	ERIMAC	Eriocoelum macrocarpum
4	1	5.23	14.2	10.8	AS	8	GRESUA	Greenwayodendron suaveolens
5	1	2.68	11.61	55.5	AS	26	SCYOCH	Scyphocephalum ochocoa
6	1	9.38	5.17	81.1	AS	30	DIASP	Dialium sp.
7	1	1.86	9.43	13.3	AS	8	GRESUA	Greenwayodendron suaveolens
8	1	3.82	8.71	28.1	AS	16	COUEDU	Coula edulis
9	1	3.37	6.81	56.5	AS	22	SCYOCH	Scyphocephalum ochocoa
10	1	10.44	20	48.4	AS	30	PENEDT	Pentaclethra edtveldiana
11	1	12.61	13.99	36.5	AS	28	COUEDU	Coula edulis
12	1	16.21	16.75	23.8	AS	25	GRESUA	Greenwayodendron suaveolens
13	1	18.56	18.49	35.1	AS	20	COUEDU	Coula edulis
14	1	18.3	17.14	17.4	AS	18	GRESUA	Greenwayodendron suaveolens
16	1	19.07	2.68	16.2	AS	8	GARSP	Garcinia sp.
17	1	13.02	2.17	18.1	AS	14	COUEDU	Coula edulis

## Quadrat 16



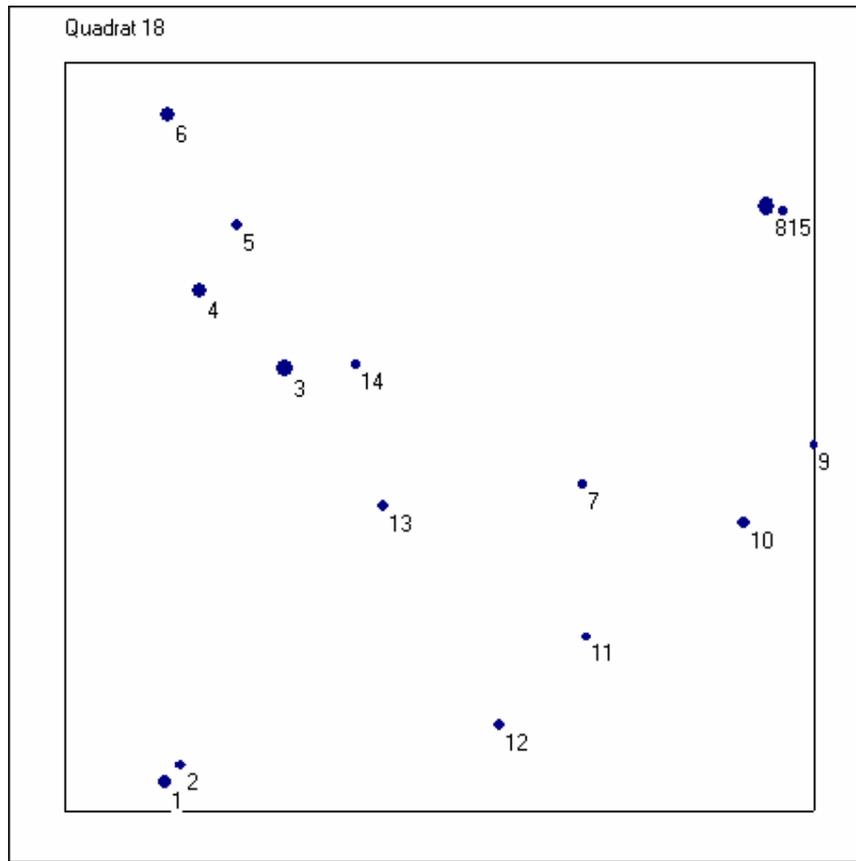
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.71	0	12.1	AS	8	MICSP	Microdesmis sp.
2	1	2.9	1.2	18.2	AS	14	STRSER	Strombosiopsis serenii
3	1	5.24	3.18	18.9	AS	14	TRICHSP	Trichoscypha sp.
4	1	7.21	4.66	18.5	AS	15	GARSME	Garcinia smeathmannii
5	1	10.05	9.96	35.4	AS	20	ANISP1	Anisophyllea sp. 1
6	1	3.18	15.08	11.8	AS	7	MICSP	Microdesmis sp.
7	1	0	15.8	33.6	AB	5	STRTET	Strombosia tetandra
8	1	2.73	18.68	70.4	AS	30	AUCKLA	Aucoumea klaineana
9	1	4.61	17.78	34	AS	18	OCHSES	Ochthocosmos sessiliflorus
10	1	14.41	14.88	14.5	AS	14	DIOSP	Diospyros sp.
11	1	14.39	13.79	37.7	AS	25	SCYPOCH	Scyphocephalum ochocoa
12	1	12.31	12.33	18.1	AS	7	ANISP1	Anisophyllea sp. 1
13	1	14.86	10.56	14.5	AS	12	MICSP	Microdesmis sp.
14	1	12.4	8.91	35.5	AS	22	SCYKLA	Scytopetalum klaineanum
15	1	16.68	11.81	12.5	AS	17	KLAGAB	Klaineanthus gabonae
16	1	16.94	9.69	11.5	AS	7	TREOBO	Treulia obovoidea
17	1	10.05	8.81	15.8	AS	10	MICSP	Microdesmis sp.
18	1	18.3	2.53	11.8	AS	12	MICSP	Microdesmis sp.
19	1	15.01	1.8	13.4	AS	8	ANISP2	Anisophyllea sp. 2
20	1	13.4	0	28.9	AS	20	CHRYS	Chrysobalanaceae
21	1	15.48	0	10.8	AL	4	ANISP2	Anisophyllea sp. 2
22	1	6.66	0	11.4	AS	10	SANTRI	Santiria trimera

### Quadrat 17



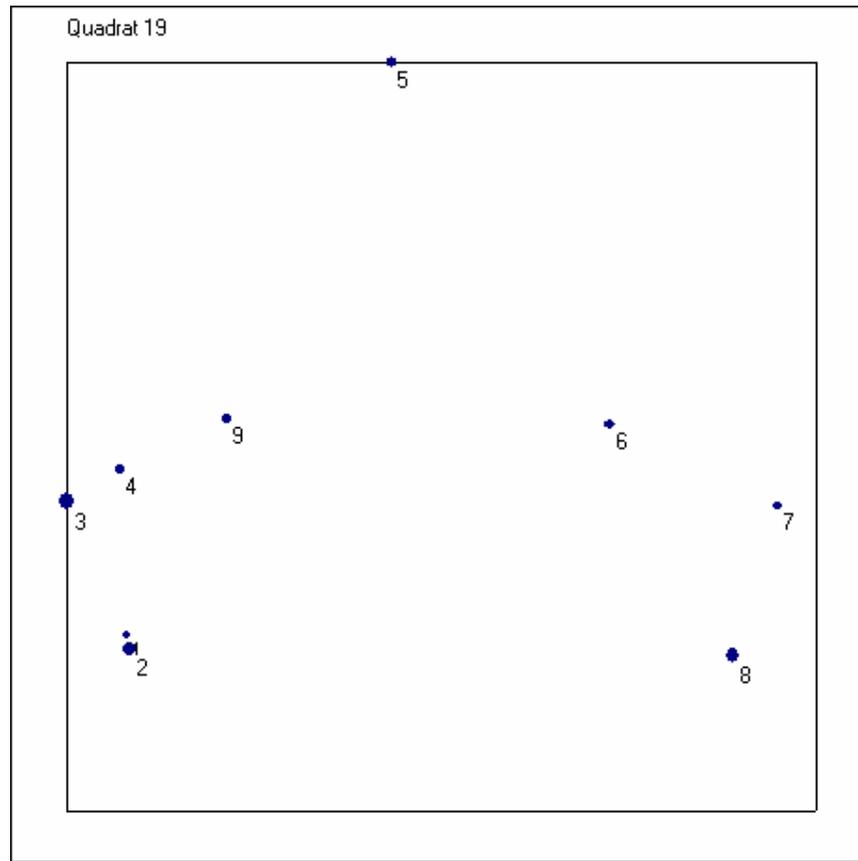
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.19	6.47	52	AS	30	AUCKLA	Aucoumea klaineana
2	1	4.75	5.54	51.2	AS	15	COEPRE	Coelocaryon preussii
3	1	8.41	18.49	18.2	AS	9	MICSP	Microdesmis sp.
4	1	11.44	20	73.4	AS	35	SCYOCH	Scyphocephalum ochocoa
5	1	17.5	15.27	14.6	AS	8	MICSP	Microdesmis sp.
6	1	17.19	16.57	64.3	AS	25	COUEDU	Coula edulis
7	1	18.01	8.27	35.2	AS	27	GRECOR	Grewia coriacea
8	1	10.09	10.77	17.4	AS	15	GARSME	Garcinia smeathmannii
9	1	17.86	0.44	12.1	AB	4	DIOSP	Diospyros sp.

## Quadrat 18



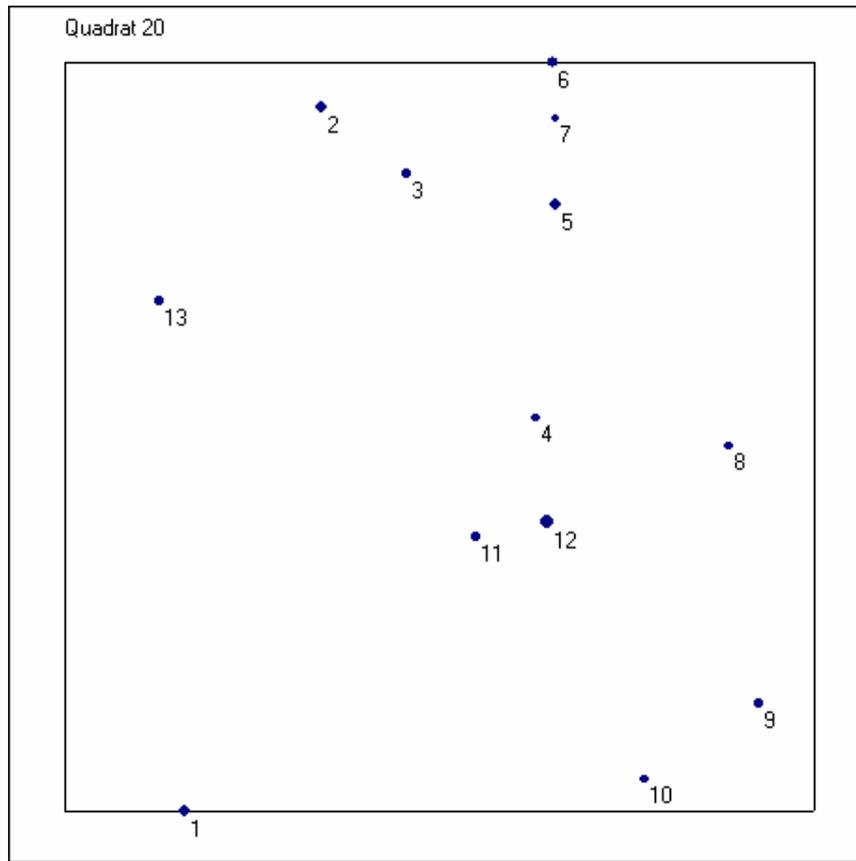
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.66	0.79	28.8	AS	28	DACBUE	Dacryodes buettneri
2	1	3.09	1.23	16.6	AS	18	EUPH	Euphorbiaceae
3	1	5.88	11.83	38.6	AS	24	DACBUE	Dacryodes buettneri
4	1	3.59	13.91	32.3	AS	20	MAPMEM	Maprounea membranacea
5	1	4.58	15.63	18.9	AS	12	PLAAFR	Plagiostyles africana
6	1	2.75	18.6	43	AS	28	XYLAFR	Xylopia africana
7	1	13.81	8.71	13.1	AS	12	MICSP	Microdesmis sp.
8	1	18.74	16.15	46.5	AS	33	PENEDT	Pentaclethra edtveldiana
9	1	20	9.77	12	AS	13	COUEDU	Coula edulis
10	1	18.12	7.7	21.8	AS	15	SANTRI	Santiria trimera
11	1	13.94	4.65	12.2	AS	8	SCYKLA	Scytopetalum klaineum
12	1	11.6	2.31	14.8	AL	9	DRYSP	Drypetes sp.
13	1	8.51	8.15	17.3	AS	10	SANTRI	Santiria trimera
14	1	7.76	11.91	13.7	AS	12	MICSP	Microdesmis sp.
15	1	19.16	16.03	11	AS	5	MAESP	Maesobotrya sp.

### Quadrat 19



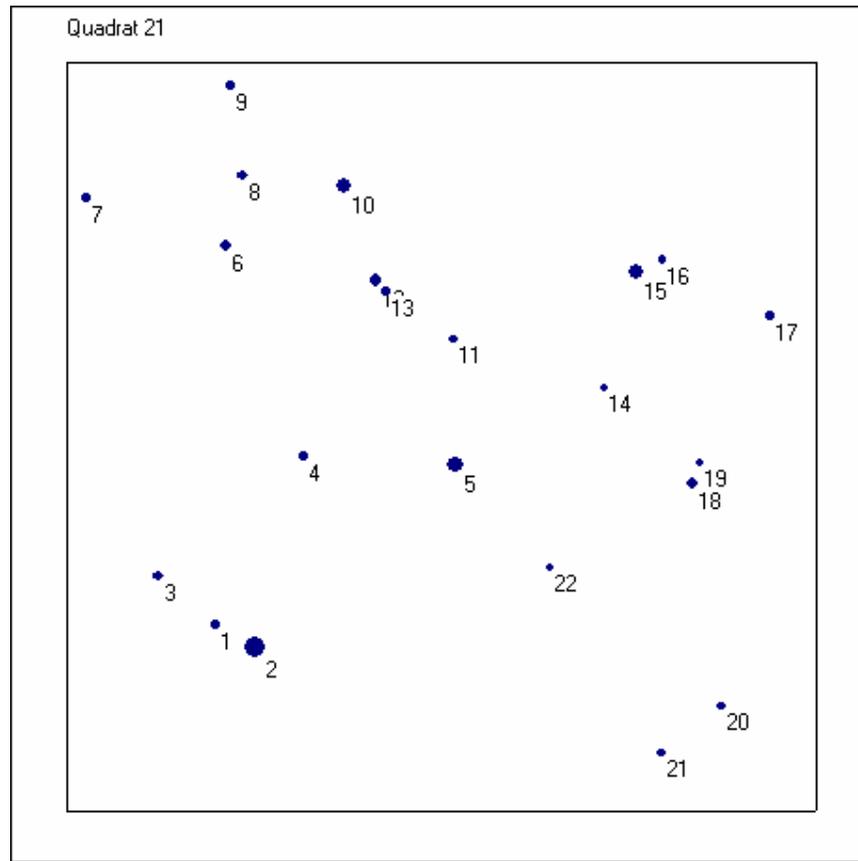
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.59	4.71	10.4	AS	7	CORMAY	Corynanthe mayombensis
2	1	1.69	4.34	30.7	AS	20	PLAAFR	Plagiostyles africana
3	1	0	8.28	42.3	AS	30	AUCKLA	Aucoumea klaineana
4	1	1.44	9.14	13.9	AS	12	CORMAY	Corynanthe mayombensis
5	1	8.68	20	15.5	AS	5	OCHSES	Ochthocosmos sessiliflorus
6	1	14.5	10.32	16.4	AS	15	GARSP	Garcinia sp.
7	1	18.99	8.16	11.6	AS	10	CORMAY	Corynanthe mayombensis
8	1	17.76	4.15	28.3	AS	20	COUEDU	Coula edulis
9	1	4.28	10.5	13.1	AS	8	GARSP	Garcinia sp.

### Quadrat 20



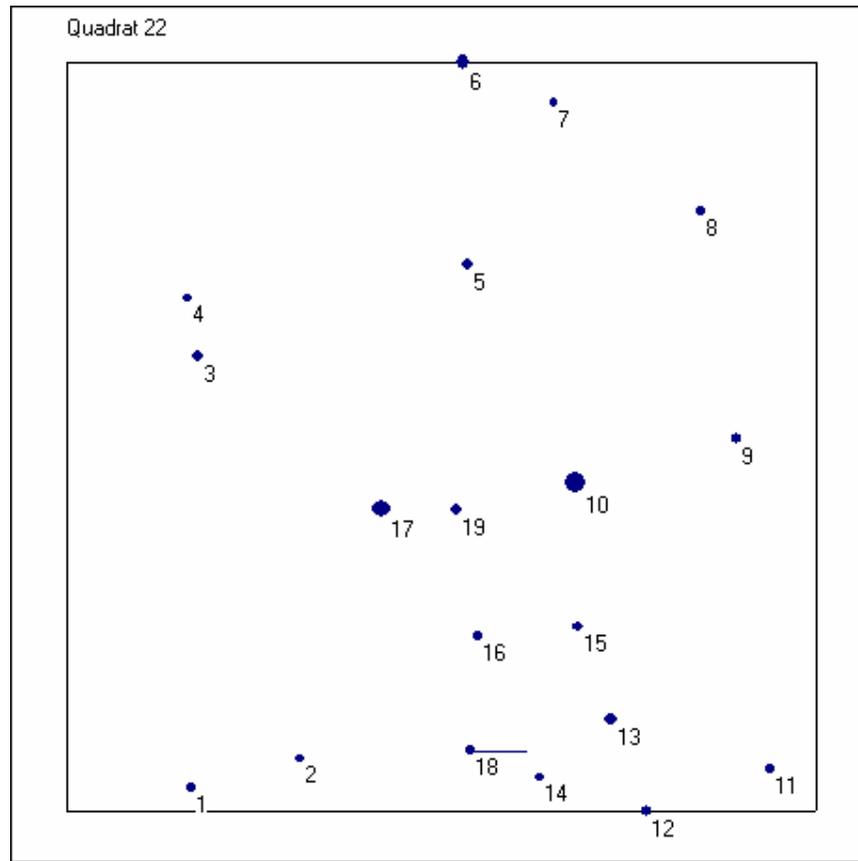
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.2	0	18.2	AS	12	OCTSP	Octoknema sp.
2	1	6.84	18.8	20	AS	14	XYLQUI	Xylopia quintasii
3	1	9.11	17.05	13.1	AS	10	MICSP	Microdesmis sp.
4	1	12.57	10.5	12.3	AS	7	GRECOR	Grewia coriacea
5	1	13.09	16.21	18.8	AS	14	DACTSP	Dactyladenia sp.
6	1	13.03	20	14.7	AS	6	DACTSP	Dactyladenia sp.
7	1	13.1	18.5	11.8	AS	4	ANNMAN	An#nidium mannii
8	1	17.72	9.76	10.3	AS	7	GRESUA	Greenwayodendron suaveolens
9	1	18.54	2.87	11.2	AB	6	PENEDT	Pentaclethra edtveldiana
10	1	15.48	0.84	10.1	AS	7	GARSP	Garcinia sp.
11	1	10.97	7.32	11.3	AS	6	MICSP	Microdesmis sp.
12	1	12.86	7.72	27.2	AS	16	PENEDT	Pentaclethra edtveldiana
13	1	2.52	13.61	11.8	AS	0	SCYKLA	Scytopetalum klaineanum

## Quadrat 21



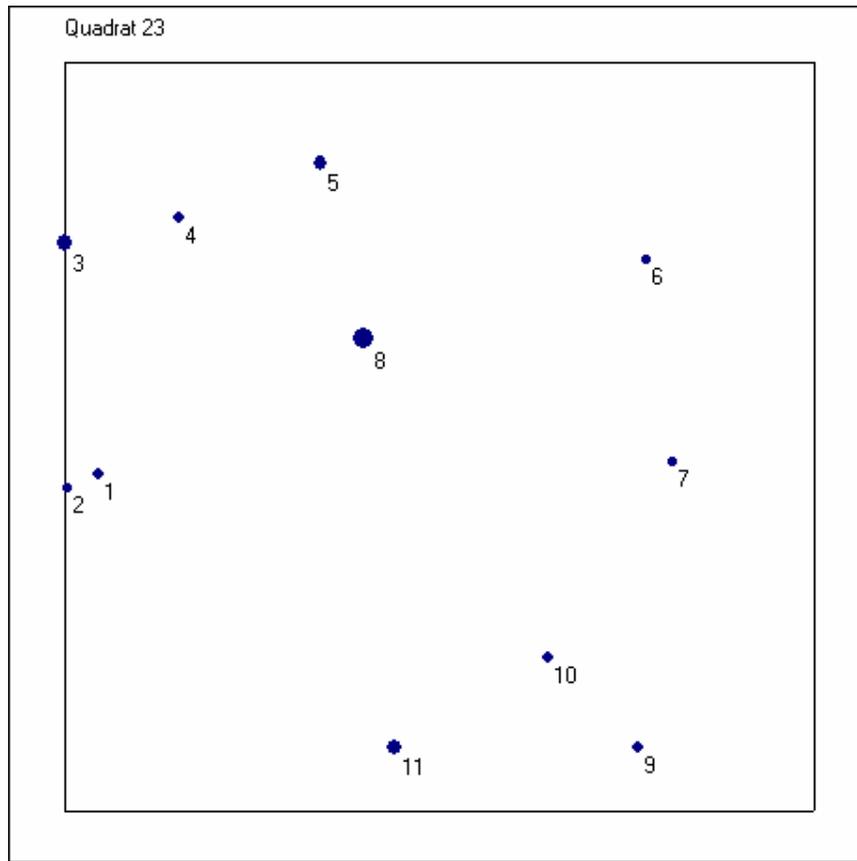
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.99	4.96	12.3	AS	35	MAGSP	Magnistipula sp.
2	1	5.04	4.38	65.5	AS	35	PARBIC	Parkia bicolor
3	1	2.43	6.27	17	AS	6	GRECOR	Grewia coriacea
4	1	6.34	9.46	13.1	AS	7	TREOBO	Treculia obovoidea
5	1	10.37	9.25	39.3	AS	22	PENEDT	Pentaclethra edtveldiana
6	1	4.25	15.12	20.6	AS	18	COUEDU	Coula edulis
7	1	0.51	16.38	14.4	AS	16	CARPRO	Carapa procera
8	1	4.69	16.98	16.4	AS	15	GRECOR	Grewia coriacea
9	1	4.36	19.38	15.2	AS	13	STRTET	Strombosia tetandra
10	1	7.41	16.71	34.2	AS	20	SANTRI	Santiria trimera
11	1	10.31	12.6	10.1	AS	6	MICSP	Microdesmis sp.
12	1	8.26	14.18	21.1	AS	16	CARPRO	Carapa procera
13	1	8.53	13.88	10.3	AS	10	MICSP	Microdesmis sp.
14	1	14.35	11.3	10.6	AS	12	MICSP	Microdesmis sp.
15	1	15.18	14.42	34.3	AS	22	KLAGAB	Klaineanthus gabonae
16	1	15.9	14.73	10.1	AS	8	MICSP	Microdesmis sp.
17	1	18.77	13.24	10.7	AS	18	DACSP	Dacryodes sp.
18	1	16.69	8.74	17.4	AS	20	SANTRI	Santiria trimera
19	1	16.9	9.3	11.5	AS	7	GRECOR	Grewia coriacea
20	1	17.47	2.8	10.5	AS	8	MICSP	Microdesmis sp.
21	1	15.88	1.56	10.2	AS	7	DICGLA	Dichostemma glaucescens
22	1	12.89	6.51	10	AS	10	MICSP	Microdesmis sp.

## Quadrat 22



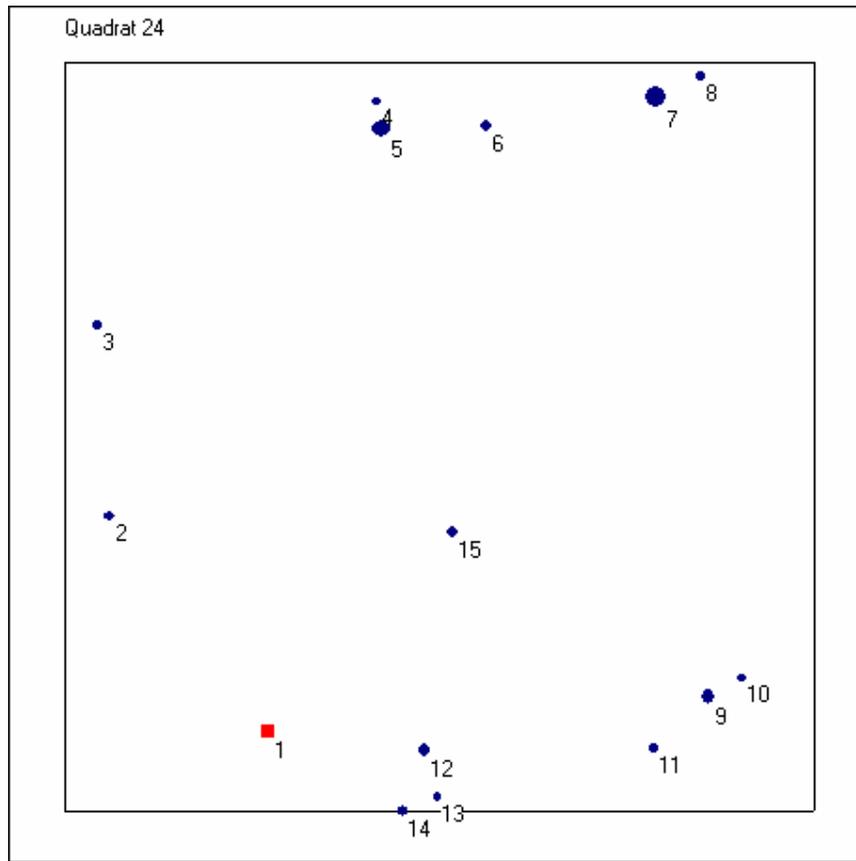
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.32	0.63	10	AS	10	CORMAY	Corynanthe mayombensis
2	1	6.23	1.4	12.6	AS	7	MICSP	Microdesmis sp.
3	1	3.51	12.13	19.4	AS	16	ERIMAC	Eriocoelum macrocarpum
4	1	3.23	13.7	11.4	AS	12	DRYSP	Drypetes sp.
5	1	10.69	14.62	18.1	AS	14	DACIGA	Dacryodes iganganga
6	1	10.59	20	27.6	AS	20	PAUMAC	Pausinystalia macrocarpa
7	1	13.01	18.93	10.5	AS	6	MICSP	Microdesmis sp.
8	1	16.92	16.03	14.8	AS	18	STRSER	Strombosiopsis serenii
9	1	17.86	9.95	14.3	AS	6	KLAGAB	Klaineanthus gabonae
10	1	13.57	8.77	65	AS	30	SCYOCH	Scyphocephalum ochocoa
11	1	18.76	1.12	14.9	AS	22	DACKLA	Dacryodes klaineana
12	1	15.47	0	17.7	AS	18	GARSP	Garcinia sp.
13	1	14.52	2.44	21.4	AS	16	XYLQUI	Xylophia quintasii
14	1	12.62	0.89	10.5	AS	12	CARPRO	Carapa procera
15	1	13.66	4.94	14.5	AS	19	DICGLA	Dichostemma glaucescens
16	1	10.99	4.66	12.7	AS	18	KLAGAB	Klaineanthus gabonae
17	1	8.39	8.09	48.6	AS	22	PETMAC	Petersianthus macrocarpus
18	1	10.79	1.62	12.1	AF	3	MICSP	Microdesmis sp.
19	1	10.38	8.06	17.7	AS	18	VITDON	Vitex doniana

### Quadrat 23



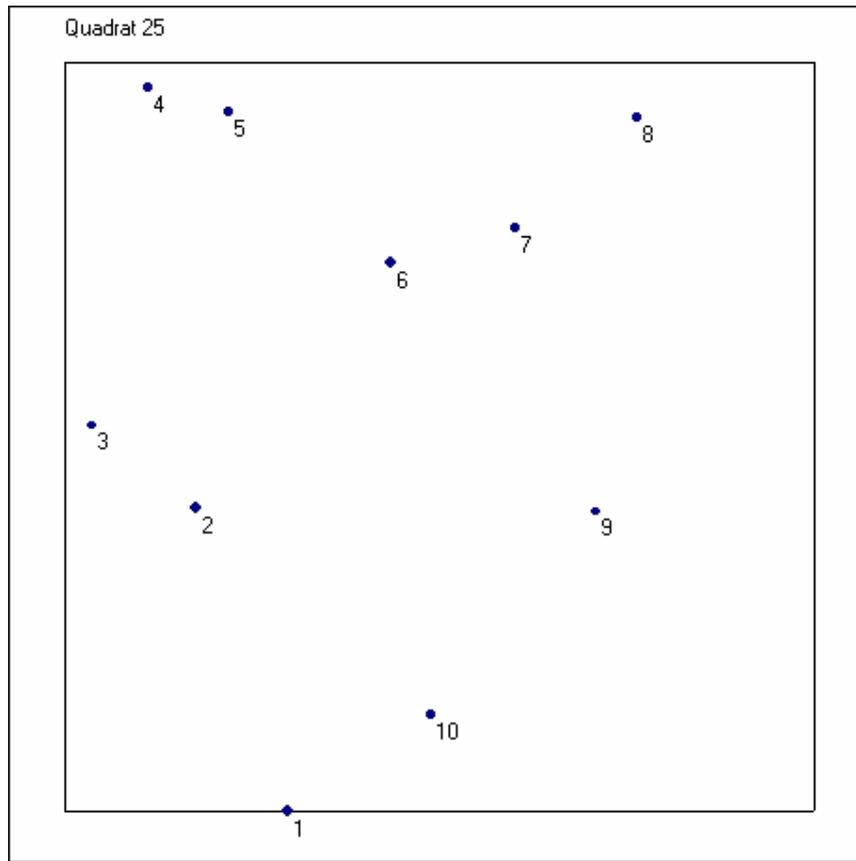
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.91	9.01	22.3	AS	30	SANTRI	Santiria trimera
2	1	0.1	8.61	13.1	AS	14	MICSP	Microdesmis sp.
3	1	0	15.18	44.2	AS	24	OCHSES	Ochthocosmos sessiliflorus
4	1	3.06	15.85	15.2	AS	12	ANISP2	Anisophyllea sp. 2
5	1	6.82	17.31	32.4	AS	26	PANOLE	Panda oleosa
6	1	15.51	14.71	11.4	AS	7	PENEDT	Pentaclethra edtveldiana
7	1	16.23	9.31	15	AS	6	GAREPU	Garcinia epunctata
8	1	7.96	12.65	67.1	AS	30	NAUDID	Nauclea diderichii
9	1	15.29	1.68	20.3	AS	15	DUBMAC	Duboscia macrocarpa
10	1	12.91	4.11	18.3	AS	12	SCYKLA	Scytometalum klaineanum
11	1	8.82	1.69	34.8	AS	22	COUEDU	Coula edulis

### Quadrat 24



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.42	2.14	18	AS	15	CORMAY	Corynanthe mayombensis
1	2	5.42	2.14	16	AS	12	CORMAY	Corynanthe mayombensis
2	1	1.2	7.87	16.1	AS	10	XYLQUI	Xylopiya quintasii
3	1	0.87	12.98	15.3	AS	11	SCYKLA	Scytopetalum klaineianum
4	1	8.34	18.94	10.5	AS	6	ANNMAN	An#nidium manni
5	1	8.45	18.23	47	AS	30	DUBMAC	Duboscia macrocarpa
6	1	11.26	18.32	18.5	AS	16	GRESUA	Greenwayodendron suaveolens
7	1	15.79	19.08	62.5	AS	35	DISBEN	Disteminanthus benthamianus
8	1	16.96	19.64	12.5	AS	12	GRESUA	Greenwayodendron suaveolens
9	1	17.18	3.07	33.3	AS	25	GARSP	Garcinia sp.
10	1	18.07	3.56	10	AS	6	INDET	
11	1	15.74	1.66	15	AS	6	MYRSER	Myrianthus serratus
12	1	9.61	1.62	23.1	AS	16	SANTRI	Santiria trimera
13	1	9.95	0.37	11.4	AS	7	SANTRI	Santiria trimera
14	1	9.02	0	15	AS	12	SCYKLA	Scytopetalum klaineianum
15	1	10.36	7.44	16.4	AS	15	CORMAY	Corynanthe mayombensis

### Quadrat 25



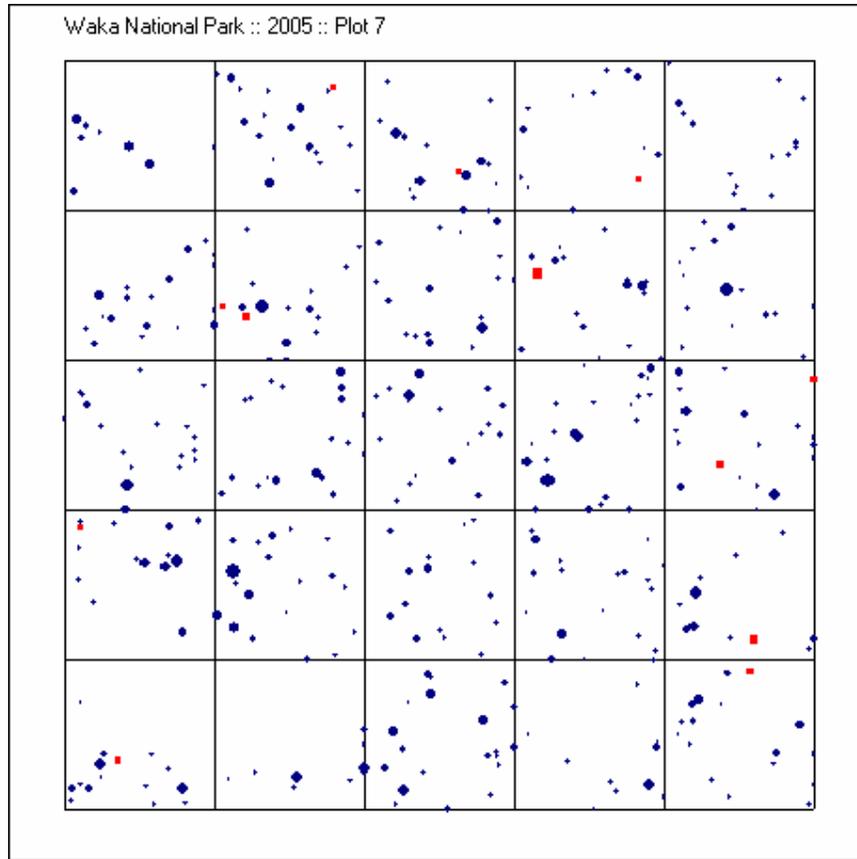
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.95	0	21.3	AS	22	COEPRE	Coelocaryon preussii
2	1	3.51	8.12	19.3	AS	19	SCYKLA	Scytopetalum klaineanum
3	1	0.71	10.3	12.1	AS	15	UAPSP	Uapaca sp.
4	1	2.22	19.32	16.4	AS	7	ANNMAN	An#nidium mannii
5	1	4.39	18.66	11.8	AS	4	MYRSER	Myrianthus serratus
6	1	8.68	14.63	19.2	AS	10	PLAAFR	Plagiostyles africana
7	1	12.02	15.56	15.2	AS	8	KLAGAB	Klaineanthus gabonae
8	1	15.26	18.51	15.1	AS	20	CORMAY	Corynanthe mayombensis
9	1	14.18	8	10.4	AS	4	NAUDID	Nauclea diderichii
10	1	9.77	2.57	10	AS	4	PANOLE	Panda oleosa

# Plot 7

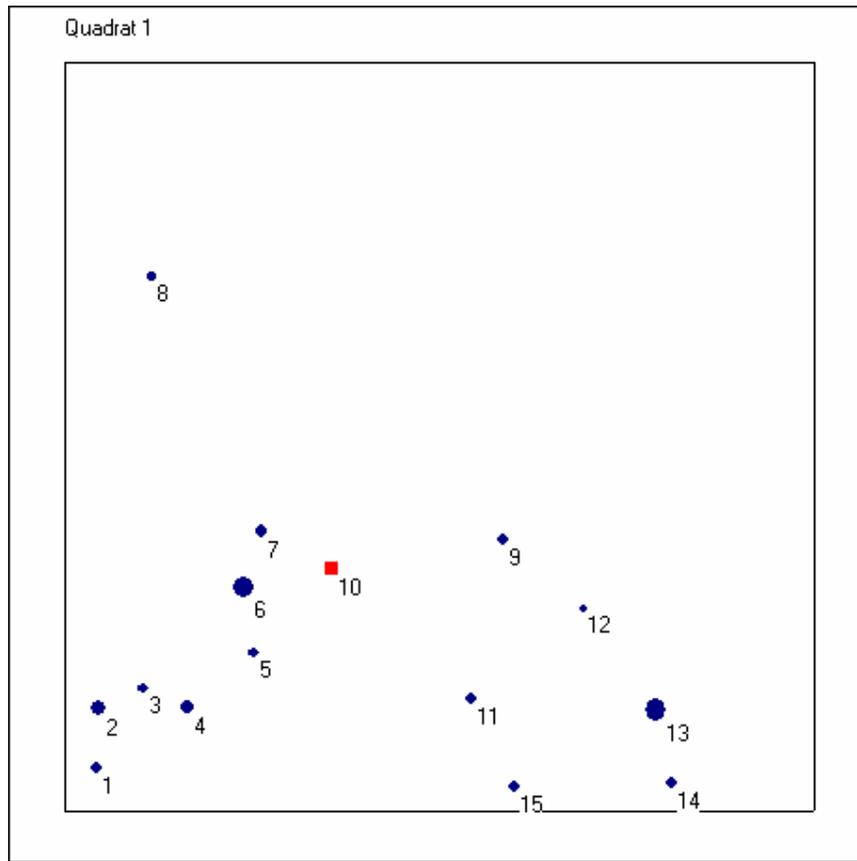
01°07,932' S  
011°08,968' E

Logged forest

407m a.s.l.

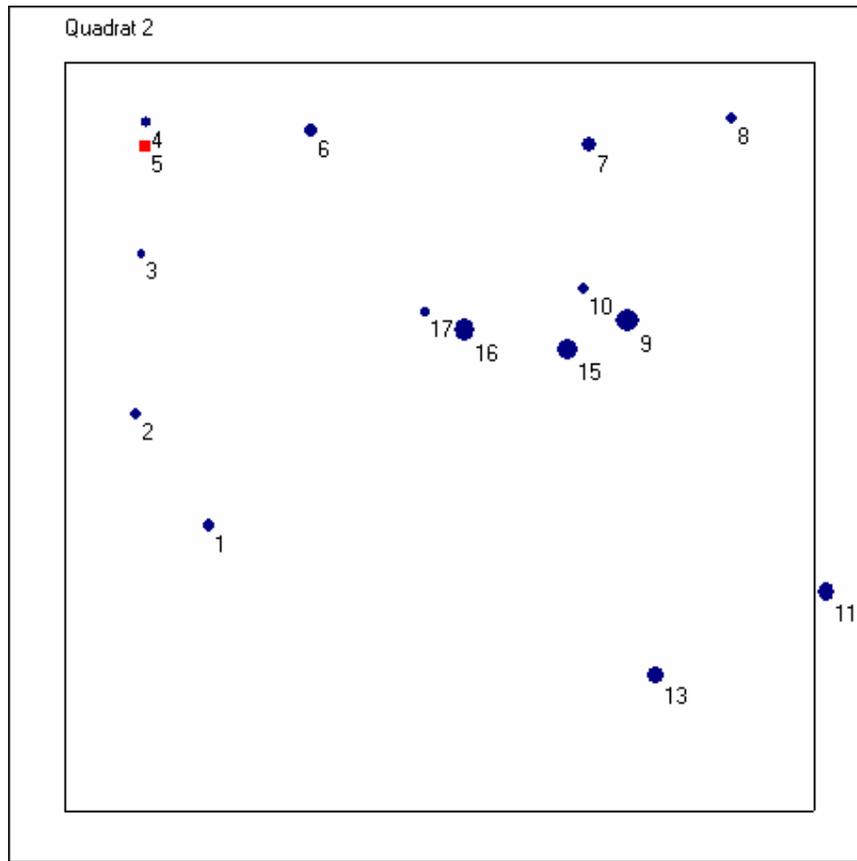


## Quadrat 1



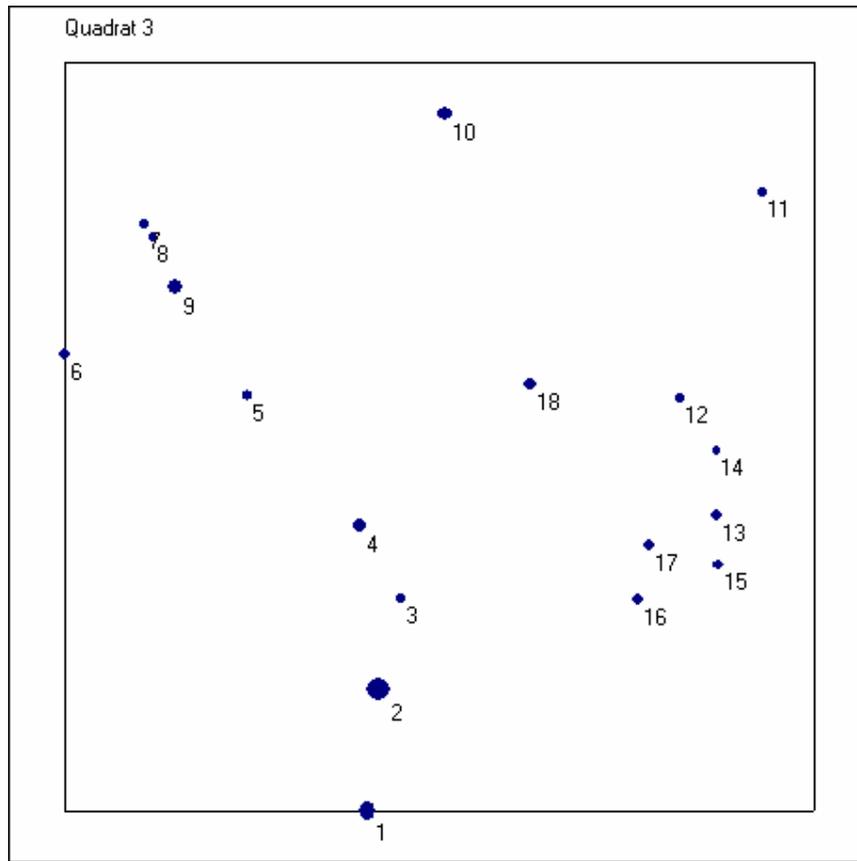
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.85	1.14	19.8	AS	18	PTESoy	<i>Pterocarpus soyauxii</i>
2	1	0.9	2.75	33.8	DS	14	INDET	
3	1	2.1	3.28	15.5	AS	6	SANTRI	<i>Santiria trimera</i>
4	1	3.27	2.78	25	AS	19	DACTSP	<i>Dactyladenia</i> sp.
5	1	5.04	4.21	14.5	AS	12	CLEISP	<i>Cleistanthus</i> sp
6	1	4.77	5.97	65.4	DS	20	INDET	
7	1	5.24	7.48	20.7	AS	14	SCYKLA	<i>Scytopetalum klaineana</i>
8	1	2.32	14.27	10.8	AS	5	TETBIF	<i>Tetraberlinia bifoliolata</i>
9	1	11.71	7.26	17.3	AS	9	TETBIF	<i>Tetraberlinia bifoliolata</i>
10	1	7.12	6.46	19.1	AS	22	SANTRI	<i>Santiria trimera</i>
10	2	7.12	6.46	14.8	AS	16	SANTRI	<i>Santiria trimera</i>
11	1	10.86	3	17.7	AS	12	TETBIF	<i>Tetraberlinia bifoliolata</i>
12	1	13.86	5.4	10.4	AS	8	TETBIF	<i>Tetraberlinia bifoliolata</i>
13	1	15.78	2.71	74.8	AS	30	AUCKLA	<i>Aucoumea klaineana</i>
14	1	16.19	0.74	17.5	AS	12	TETBIF	<i>Tetraberlinia bifoliolata</i>
15	1	12.01	0.66	17.6	AS	35	AUCKLA	<i>Aucoumea klaineana</i>

## Quadrat 2



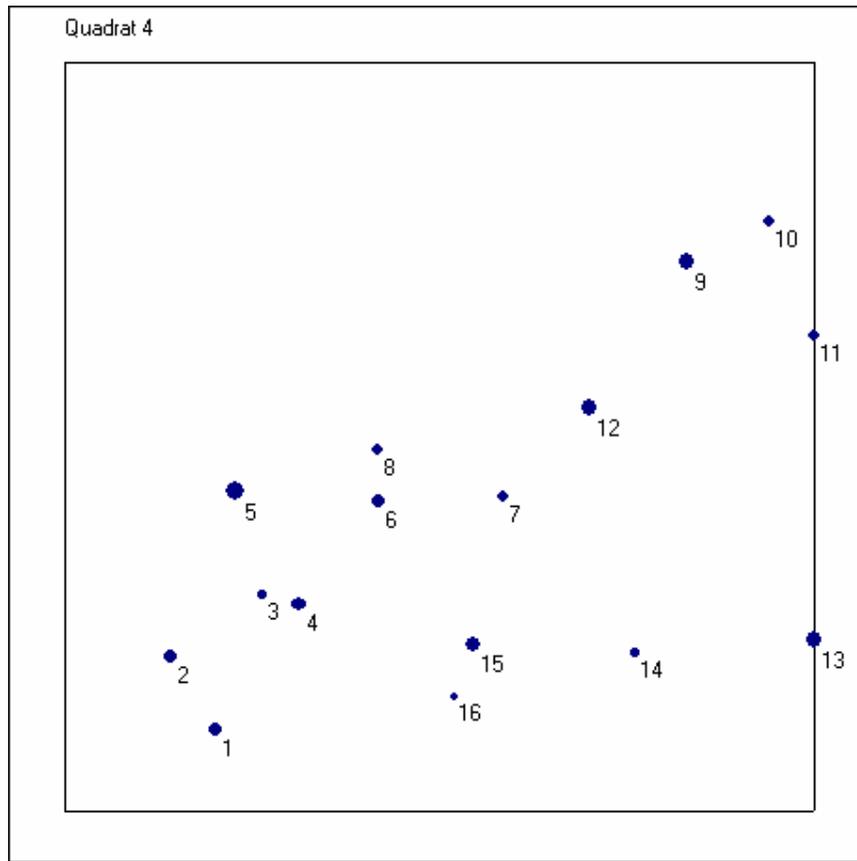
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.84	7.62	21.6	AS	14	SANTRI	Santiria trimera
2	1	1.91	10.61	17.1	AS	12	DACSP	Dacryodes sp.
3	1	2.05	14.87	10.1	AS	8	TETBIF	Tetraberlinia bifoliolata
4	1	2.18	18.4	16.4	AS	15	DESGLA	Desbordesia glaucescens
5	1	2.14	17.74	15.4	AS	10	PAUMAC	Pausinystalia macrocarpa
5	2	2.14	17.74	12.5	AS	10	PAUMAC	Pausinystalia macrocarpa
6	1	6.57	18.18	25.2	AS	18	PAUMAC	Pausinystalia macrocarpa
7	1	14	17.79	34.6	AS	30	SINLET	Sinderopsis letestui
8	1	17.8	18.49	22.4	AS	19	DIOZEN	Diospyros zenkeri
9	1	15.04	13.1	89.8	AS	35	ANTKLA	Antrocaryon klaineana
10	1	13.86	13.94	19.5	AS	12	PLAAFR	Plagiostyles africana
11	1	20.33	5.85	52.8	AS	30	COEPRE	Coelocaryon preussii
13	1	15.78	3.61	44.6	AS	14	ENGGOR	Engomegoma gordonii
15	1	13.45	12.32	65.7	AS	25	COEPRE	Coelocaryon preussii
16	1	10.68	12.86	74.4	AS	32	AUCKLA	Aucoumea klaineana
17	1	9.63	13.32	17	AS	8	TETBIF	Tetraberlinia bifoliolata

### Quadrat 3



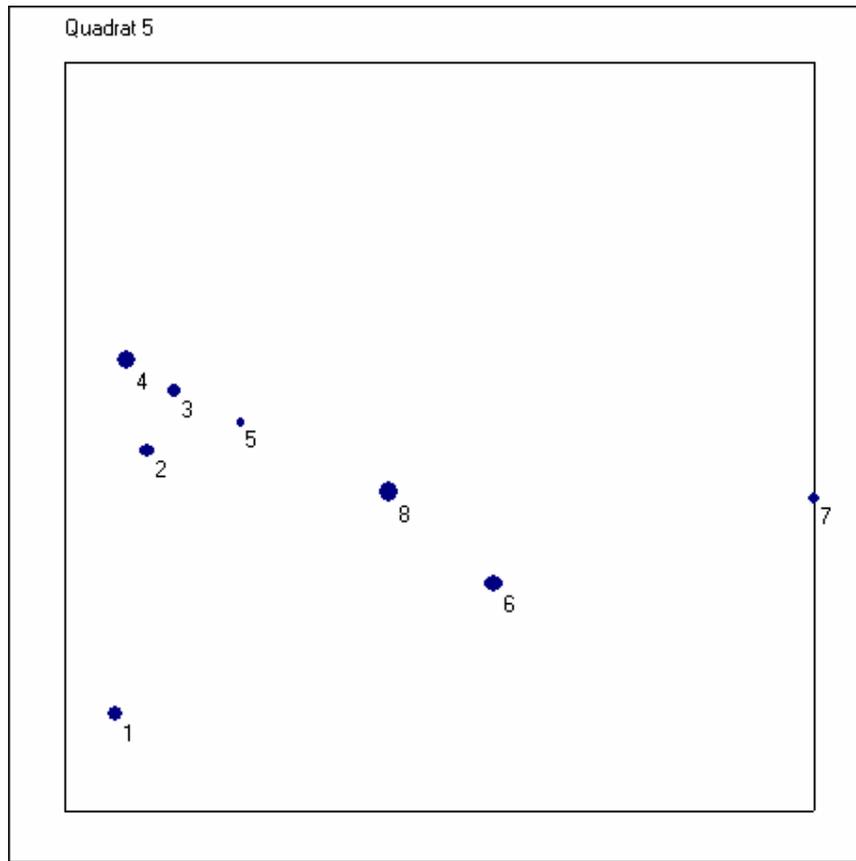
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.07	0	45.02	AS	30	DACBUE	Dacryodes buettneri
2	1	8.39	3.25	89.3	AS	35	AUCKLA	Aucoumea klaineana
3	1	8.99	5.69	14.3	AS	18	PLAKLA	
4	1	7.89	7.63	28.6	AS	17	DIOZEN	Diospyros zenkeri
5	1	4.89	11.1	14.6	AS	6	MICSP	Microdesmis sp.
6	1	0	12.21	15.9	AS	7	SANTRI	Santiria trimera
7	1	2.11	15.67	11.8	AS	8	DRYSP	Drypetes sp.
8	1	2.35	15.31	11.7	AS	5	MICSP	Microdesmis sp.
9	1	2.95	13.99	30.6	AS	16	DACSP	Dacryodes sp.
10	1	10.15	18.64	28.4	AS	15	PETMAC	Petersianthus macrocarpus
11	1	18.64	16.52	14.1	AS	8	PENMAC	Pentaclethra macrophylla
12	1	16.43	11.04	14.1	AS	8	HYPZEN	Hypodaphnis zenkeri
13	1	17.39	7.89	22	AS	5	MICSP	Microdesmis sp.
14	1	17.4	9.63	10.6	AS	6	GARCON	Garcinia conrauiana
15	1	17.45	6.57	14.5	AS	12	DIASP	Dialium sp.
16	1	15.32	5.65	19	AS	14	XYLQUI	Xylopia quintasii
17	1	15.6	7.11	16.8	AS	12	DEGLA	Desbordesia glaucescens
18	1	12.42	11.4	22.1	AS	10	PAUMAC	Pausinystalia macrocarpa

### Quadrat 4



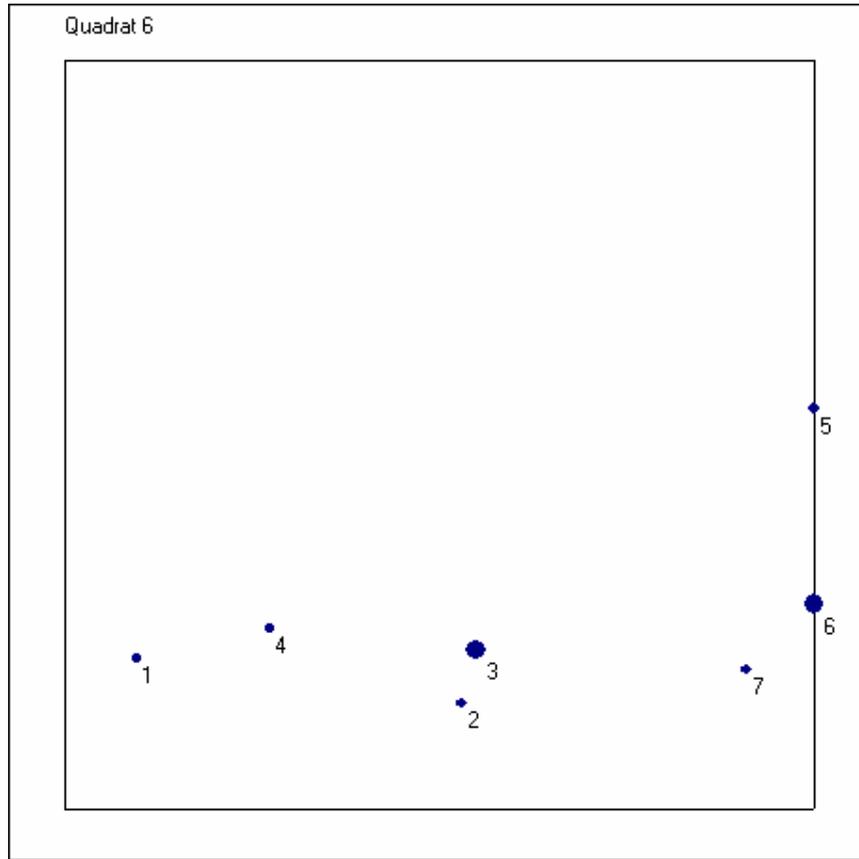
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.02	2.18	26.3	AS	12	SANTRI	Santiria trimera
2	1	2.83	4.11	28.3	AS	16	GARSP	Garcinia sp.
3	1	5.27	5.78	15.3	AS	6	MICSP	Microdesmis sp.
4	1	6.26	5.53	29.7	AS	19	DESGLA	Desbordesia glaucescens
5	1	4.56	8.56	52.8	AS	26	PETMAC	Petersianthus macrocarpus
6	1	8.38	8.27	24.1	AS	16	SCYOCH	Scyphocephalum ochocoa
7	1	11.72	8.39	21.4	AS	18	STAGAB	Staudtia gabonensis
8	1	8.36	9.67	18.4	AS	5	MICSP	Microdesmis sp.
9	1	16.59	14.67	36.9	AS	18	PETMAC	Petersianthus macrocarpus
10	1	18.78	15.75	19.4	AS	7	OCTSP	Octoknema sp.
11	1	20	12.69	18.6	AS	12	DUBMAC	Duboscia macrocarpa
12	1	14.01	10.77	39.3	AS	22	ERIOMAC	Eriocoelum macrocarpum
13	1	20	4.58	42.2	AS	30	ENGGOR	Engomegoma gordonii
14	1	15.23	4.22	12	AS	14	MICSP	Microdesmis sp.
15	1	10.92	4.43	36.8	AS	24	DESGLA	Desbordesia glaucescens
16	1	10.41	3.05	11.1	AS	10	MICSP	Microdesmis sp.

### Quadrat 5



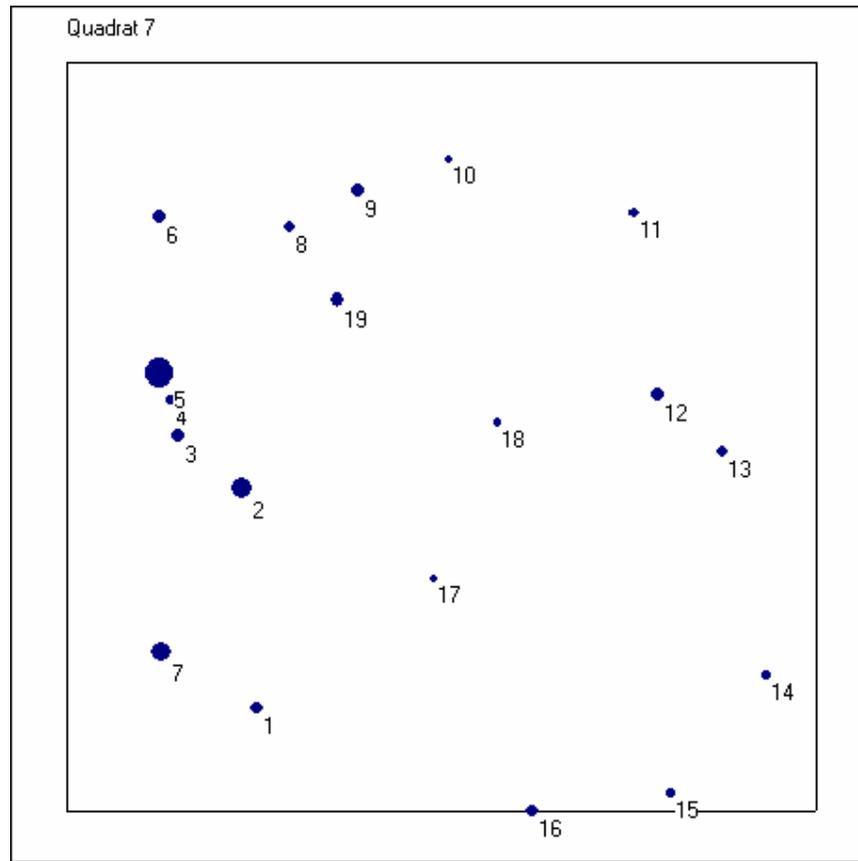
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.37	2.58	34.3	AS	28	GANGIG	Ga#phyllum giganteum
2	1	2.2	9.63	32	AS	25	PLAAFR	Plagiostyles africana
3	1	2.91	11.24	28.1	AS	30	DESGLA	Desbordesia glaucescens
4	1	1.64	12.05	56.7	AS	35	AUCKLA	Aucoumea klaineana
5	1	4.7	10.36	11.8	AS	13	SANTRI	Santiria trimera
6	1	11.46	6.07	52	AS	24	COUEDU	Coula edulis
7	1	20	8.37	19	AS	15	DESGLA	Desbordesia glaucescens
8	1	8.64	8.52	62	AS	34	AUCKLA	Aucoumea klaineana

## Quadrat 6



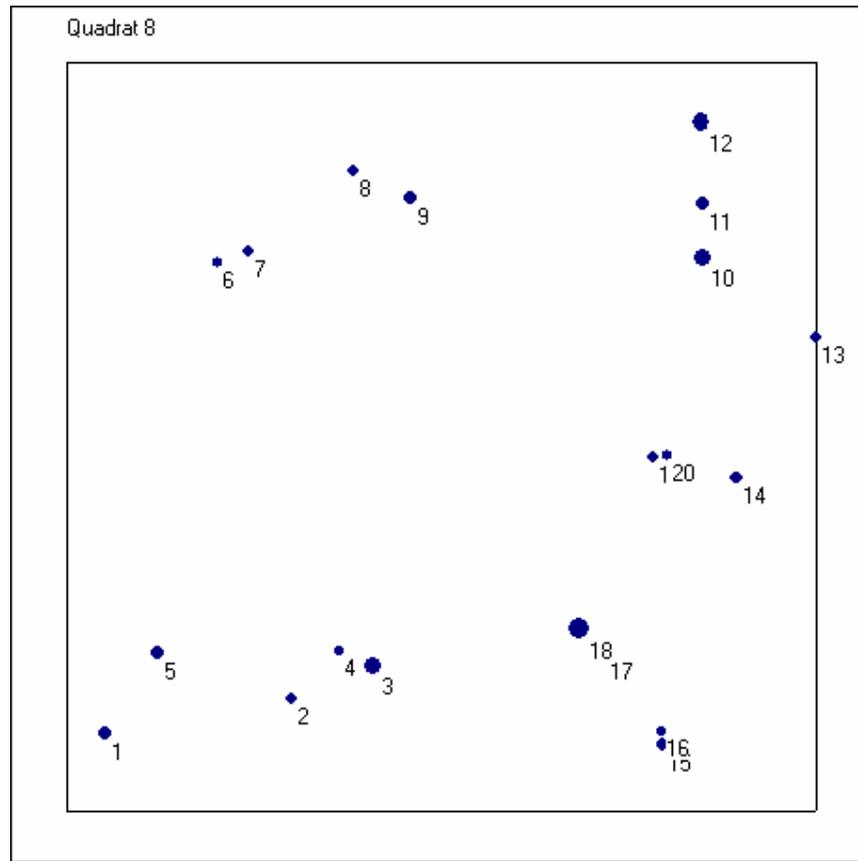
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.95	4.03	13.4	AS	7	DIOZEN	Diospyros zenkeri
2	1	10.59	2.82	17.5	AS	5	BRASP	Brazzeia
3	1	10.98	4.25	62.1	AS	16	DRYSP	Drypetes sp.
4	1	5.47	4.84	12.5	AS	15	CALSP	Calpocalyx
5	1	20	10.72	20.6	AS	13	CALSP	Calpocalyx
6	1	20	5.46	65.3	AS	30	SCYOCH	Scyphocephalum ochocoa
7	1	18.19	3.73	16.3	AS	18	HYPZEN	Hypodaphnis zenkeri

### Quadrat 7



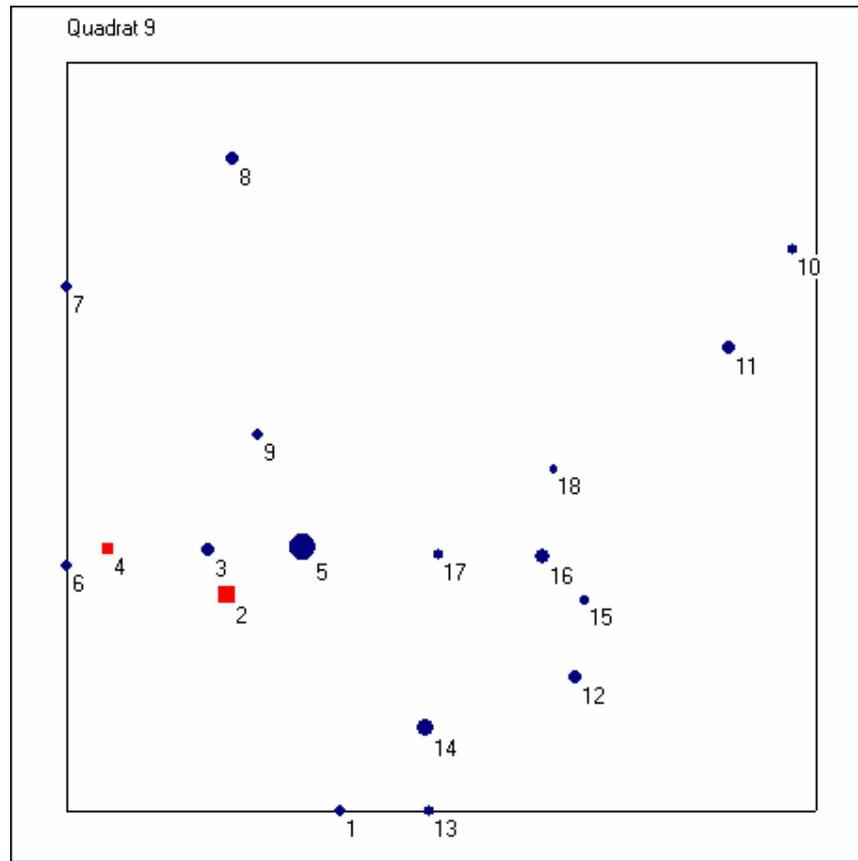
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.08	2.76	23.3	AS	15	DIOZEN	Diospyros zenkeri
2	1	4.67	8.62	64.5	AS	30	TETBIF	Tetraberlinia bifoliolata
3	1	2.97	10.03	22.2	AS	22	STAGAB	Staudtia gabonensis
4	1	2.76	10.98	14.2	AS	7	DIOZEN	Diospyros zenkeri
5	1	2.47	11.69	136.6	AS	40	AUCKLA	Aucoumea klaineana
6	1	2.47	15.88	25.4	AS	9	MICSP	Microdesmis sp.
7	1	2.53	4.25	58.3	AS	26	AUCKLA	Aucoumea klaineana
8	1	5.94	15.59	21.2	AS	20	STAGAB	Staudtia gabonensis
9	1	7.77	16.55	26.8	AS	22	ZANSP	Zanthoxylum sp
10	1	10.21	17.39	10.1	AS	12	GRESUA	Greenwayodendron suaveolens
11	1	15.14	15.98	16.4	AS	10	GAREPU	Garcinia epunctata
12	1	15.78	11.11	23.6	AS	15	COUEDU	Coula edulis
13	1	17.5	9.61	16.3	AS	17	GRESUA	Greenwayodendron suaveolens
14	1	18.68	3.63	12.5	AS	27	STAGAB	Staudtia gabonensis
15	1	16.11	0.46	12.4	AS	13	GARSP	Garcinia sp.
16	1	12.43	0	24	AS	15	PLAAFR	Plagiostyles africana
17	1	9.8	6.19	10.2	AS	12	DESGLA	Desbordesia glaucescens
18	1	11.5	10.36	11.9	AS	12	GRESUA	Greenwayodendron suaveolens
19	1	7.24	13.65	27.6	AS	20	KLAGAB	Klaineanthus gabonae

### Quadrat 8



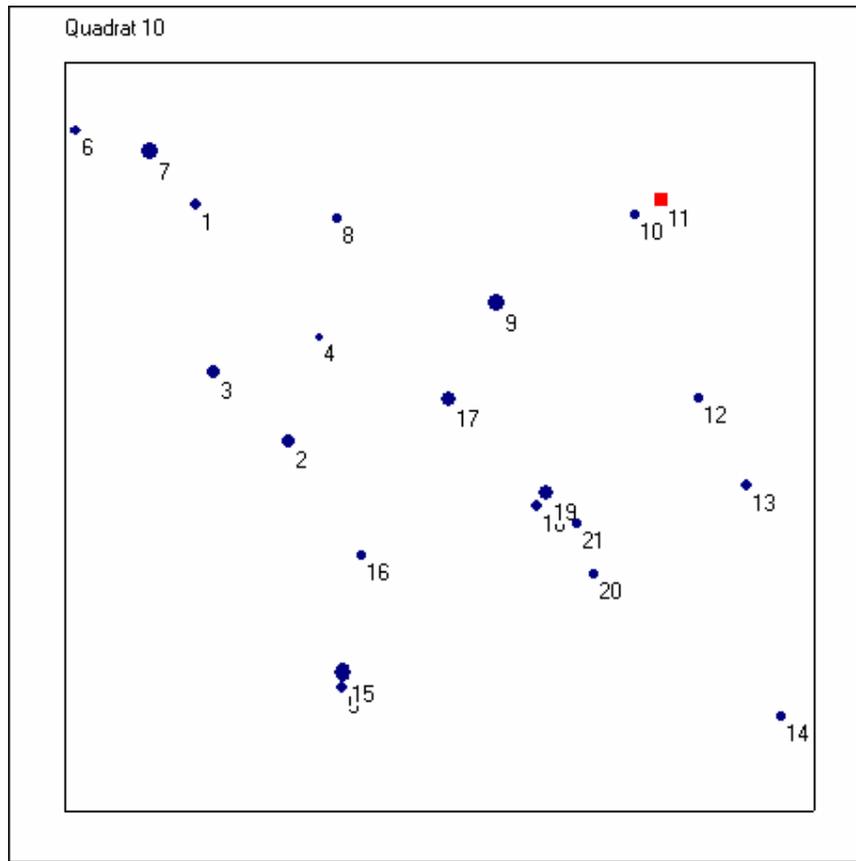
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.03	2.07	23.7	AS	19	SCYOCH	Scyphocephalium ochocoa
2	1	5.98	3.02	20.1	AS	18	GRESUA	Greenwayodendron suaveolens
3	1	8.18	3.87	40.8	AS	15	PENMAC	Pentaclethra macrophylla
4	1	7.26	4.28	13.6	AS	20	TRISP	Tricalysia sp.
5	1	2.42	4.24	28.6	AS	18	ZANSP	Zanthoxylum sp
6	1	4.03	14.65	17.1	AS	5	MICSP	Microdesmis sp.
7	1	4.85	14.93	18.1	AS	6	DIOSP	Diospyros sp.
8	1	7.66	17.11	15.2	AS	10	PAUMAC	Pausinystalia macrocarpa
9	1	9.19	16.38	22.6	AS	9	MICSP	Microdesmis sp.
10	1	16.97	14.77	48	AS	30	PENMAC	Pentaclethra macrophylla
11	1	16.98	16.22	27.3	AS	8	MICSP	Microdesmis sp.
12	1	16.92	18.41	49.2	AS	28	KLAGAB	Klaineanthus gabonae
13	1	20	12.64	14.6	AS	10	MICSP	Microdesmis sp.
14	1	17.89	8.9	25.7	AS	8	MICSP	Microdesmis sp.
15	1	15.89	1.78	21.6	AS	20	DESGLA	Desbordesia glaucescens
16	1	15.87	2.13	10	AS	4	ANISP2	Anisophyllea sp. 2
17	1	14.32	4.24	27.4	AS	28	DIASP	Dialium sp.
18	1	13.67	4.89	64.9	AS	26	SCYOCH	Scyphocephalium ochocoa
19	1	15.65	9.45	16.9	AS	14	DIAPAC	Dialium pachyphyllum
20	1	16.02	9.51	15.6	AS	12	MICSP	Microdesmis sp.

### Quadrat 9



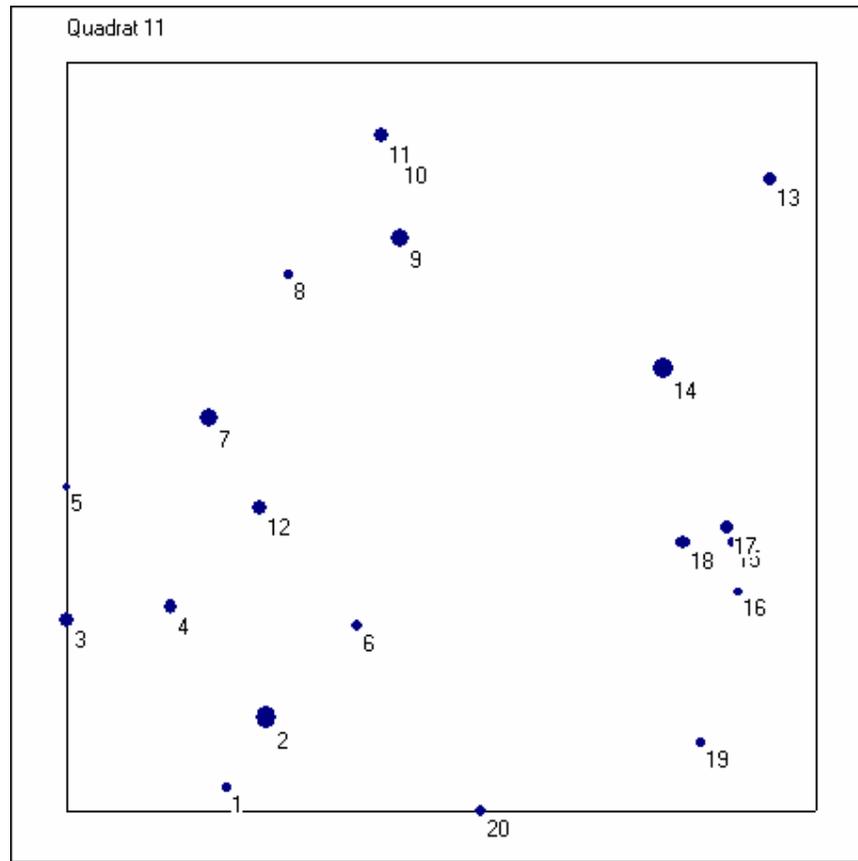
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.31	0	17.7	AS	8	MICSP	Microdesmis sp.
2	1	4.28	5.76	33.3	AS	22	SANTRI	Santiria trimera
2	2	4.28	5.76	28.8	AS	20	SANTRI	Santiria trimera
3	1	3.76	6.96	24.5	AS	24	DIASP	Dialium sp.
4	1	1.08	7.01	12.6	AS	5	MICSP	Microdesmis sp.
4	2	1.08	7.01	14.8	AS	6	MICSP	Microdesmis sp.
5	1	6.29	7.06	103.5	AS	35	AUCKLA	Aucoumea klaineana
6	1	0	6.55	17	AS	10	KLAGAB	Klaineanthus gabonae
7	1	0	14	14.4	AS	14	DIOPIS	Diospyros piscatoria
8	1	4.43	17.42	23.6	AS	16	PENEDT	Pentaclethra edtveldiana
9	1	5.08	10.05	20.7	AS	15	GRESUA	Greenwayodendron suaveolens
10	1	19.37	15.01	17.3	AS	14	MICSP	Microdesmis sp.
11	1	17.66	12.36	23.9	AS	18	GRESUA	Greenwayodendron suaveolens
12	1	13.57	3.58	23.6	AS	15	PENMAC	Pentaclethra macrophylla
13	1	9.67	0	16.5	AS	7	MICSP	Microdesmis sp.
14	1	9.57	2.21	45.5	AS	30	ARASOY	Araliopsis soyauxii
15	1	13.82	5.62	12.8	AS	10	DICGLA	Dichostemma glaucescens
16	1	12.71	6.8	33.9	AS	21	PAUMAC	Pausinystalia macrocarpa
17	1	9.92	6.85	14.1	AS	4	DESGLA	Desbordesia glaucescens
18	1	12.99	9.12	10	AS	8	DESGLA	Desbordesia glaucescens

## Quadrat 10



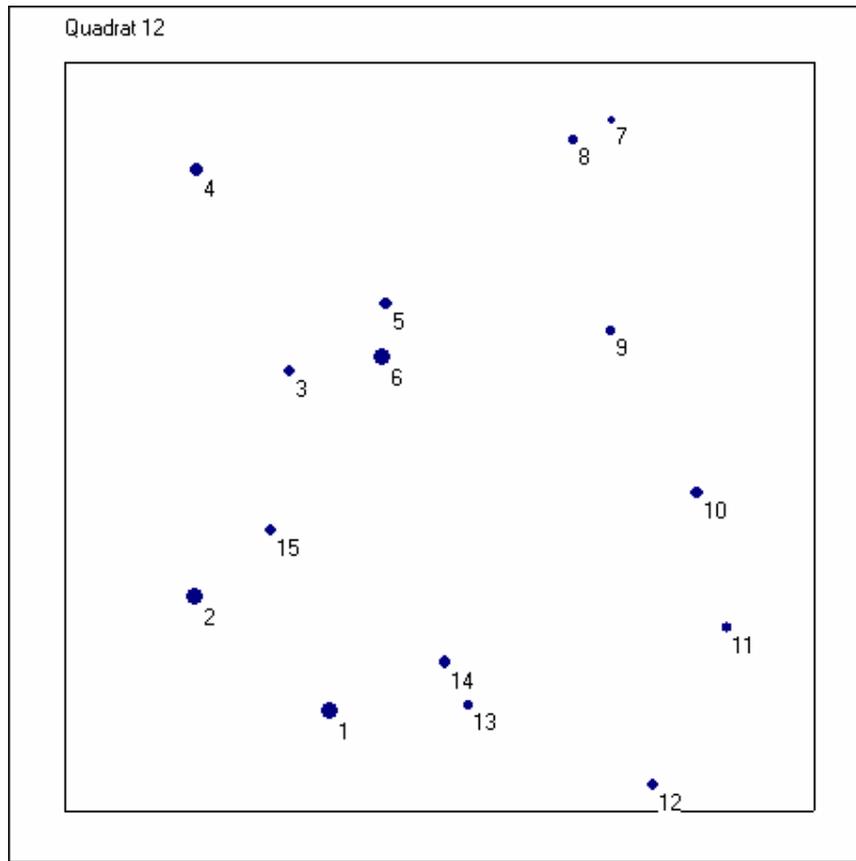
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.5	16.2	18.9	AS	19	GRECOR	Grewia coriacea
2	1	5.99	9.87	28.5	AS	20	STRTET	Strombosia tetandra
3	1	3.97	11.72	27.6	AS	22	STRSP	Strombosia sp
4	1	6.81	12.65	11.4	AS	7	MICSP	Microdesmis sp.
5	1	7.41	3.3	21.4	AS	16	SANTRI	Santiria trimera
6	1	0.31	18.18	15.9	AS	18	DRYSP	Drypetes sp.
7	1	2.28	17.64	42	AS	30	COEPRE	Coelocaryon preussii
8	1	7.26	15.83	12.9	AS	7	MICSP	Microdesmis sp.
9	1	11.51	13.57	47.4	AS	34	PENMAC	Pentaclethra macrophylla
10	1	15.22	15.91	14.8	AS	6	PETMAC	Petersianthus macrocarpus
11	1	15.91	16.33	19.9	AS	10	CARPRO	Carapa procera
11	2	15.91	16.33	13.1	AS	5	CARPRO	Carapa procera
12	1	16.91	11.02	14.9	AS	14	MICSP	Microdesmis sp.
13	1	18.2	8.7	16.5	AS	20	DESGLA	Desbordesia glaucescens
14	1	19.13	2.53	15.5	AS	18	KLAGAB	Klaineanthus gabonae
15	1	7.42	3.7	48.1	AS	24	COUEDU	Coula edulis
16	1	7.94	6.82	11.5	AS	12	UAPSP	Uapaca sp.
17	1	10.24	11	34.9	AS	20	STAGAB	Staudtia gabonensis
18	1	12.61	8.16	21.8	AS	12	DUVINO	Duvigneaudia inopinata
19	1	12.84	8.49	37.5	AS	18	COUEDU	Coula edulis
20	1	14.14	6.32	11.4	AS	8	MICSP	Microdesmis sp.
21	1	13.66	7.66	14.5	AS	10	DIASP	Dialium sp.

### Quadrat 11



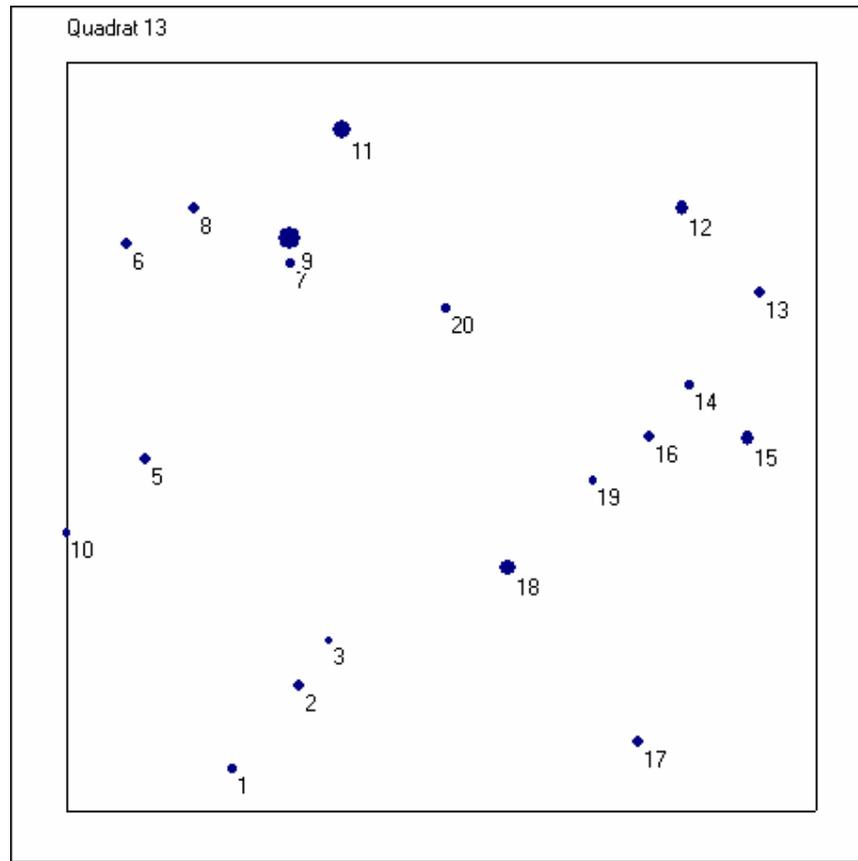
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.29	0.64	13	AS	15	HYPZEN	Hypodaphnis zenkeri
2	1	5.32	2.51	73.6	AS	38	AUCKLA	Aucoumea klaineana
3	1	0	5.12	33.7	AS	30	FUNAFR	Funtumia africana
4	1	2.79	5.45	30.5	AS	30	PAUMAC	Pausinystalia macrocarpa
5	1	0	8.65	11.3	AS	11	DRYSP	Drypetes sp.
6	1	7.77	4.95	19.5	AS	20	GARCON	Garcinia conrauana
7	1	3.8	10.48	53.6	AS	36	DESGLA	Desbordesia glaucescens
8	1	5.94	14.32	10.7	AS	7	HYPZEN	Hypodaphnis zenkeri
9	1	8.89	15.3	49.6	AS	34	SCYOCH	Scyphocephalum ochocoa
10	1	8.88	17.44	13	AS	10	ROTSP	Rothmannia sp
11	1	8.42	18.06	34.2	AS	30	STAGAB	Staudtia gabonensis
12	1	5.15	8.09	31.4	AS	24	DACSP	Dacryodes sp.
13	1	18.79	16.86	25	AS	12	MICSP	Microdesmis sp.
14	1	15.92	11.83	61.7	AS	26	COUEDU	Coula edulis
15	1	17.75	7.17	12.9	AS	15	DIOZEN	Diospyros zenkeri
16	1	17.92	5.85	11.1	AS	7	PETMAC	Petersianthus macrocarpus
17	1	17.64	7.58	27.3	AS	16	SANTRI	Santiria trimera
18	1	16.45	7.17	28	AS	20	AUCKLA	Aucoumea klaineana
19	1	16.92	1.83	16.2	AS	14	DESGLA	Desbordesia glaucescens
20	1	11.03	0	20.1	AS	15	SANTRI	Santiria trimera

## Quadrat 12



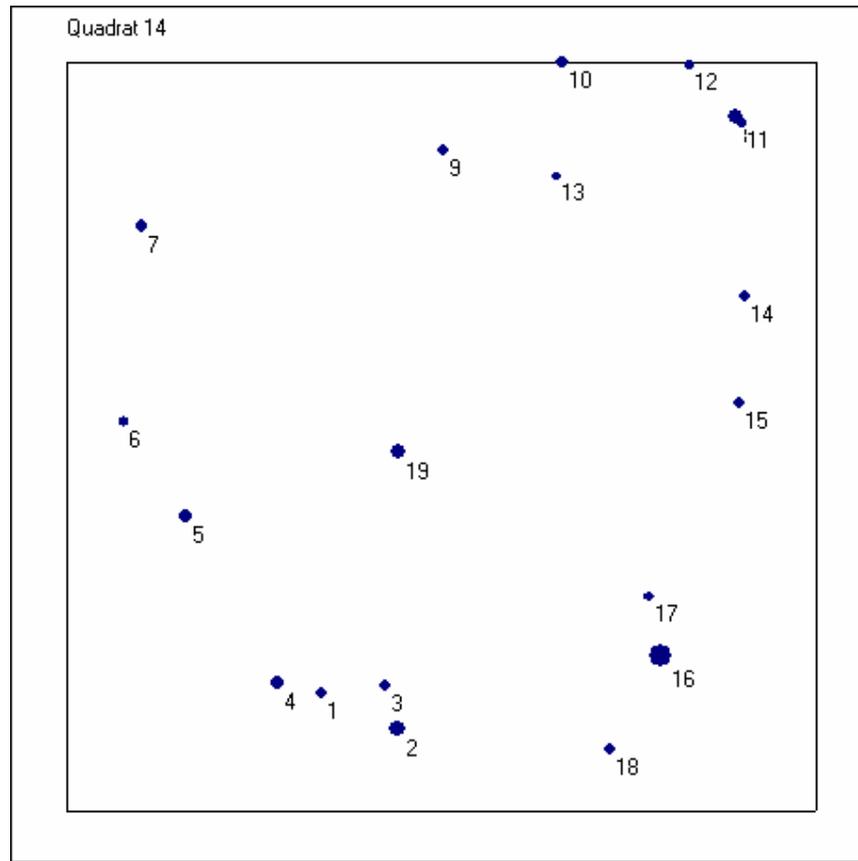
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.07	2.67	41	AS	35	SANTRI	Santiria trimera
2	1	3.49	5.74	43	AS	28	DIOZEN	Diospyros zenkeri
3	1	6	11.74	21.3	AS	13	HYPZEN	Hypodaphnis zenkeri
4	1	3.55	17.1	25.5	AS	20	PETMAC	Petersianthus macrocarpus
5	1	8.57	13.55	24.4	AS	18	DESGLA	Desbordesia glaucescens
6	1	8.48	12.14	47.7	DL	16	INDET	
7	1	14.6	18.45	10.9	AS	7	PLAAFR	Plagiostyles africana
8	1	13.59	17.92	10.8	AS	6	SANTRI	Santiria trimera
9	1	14.58	12.82	14.8	AS	19	XYLEAT	Xylopia aethiopica
10	1	16.87	8.5	25.8	AS	15	DIOZEN	Diospyros zenkeri
11	1	17.68	4.9	13.9	AS	11	XYLSTA	Xylopia staudtii
12	1	15.69	0.71	18.5	AS	13	KLAGAB	Klaineanthus gabonae
13	1	10.8	2.83	12.2	AS	5	MICSP	Microdesmis sp.
14	1	10.16	3.98	20.4	AL	7	MICSP	Microdesmis sp.
15	1	5.51	7.49	20.4	AS	18	SANTRI	Santiria trimera

### Quadrat 13



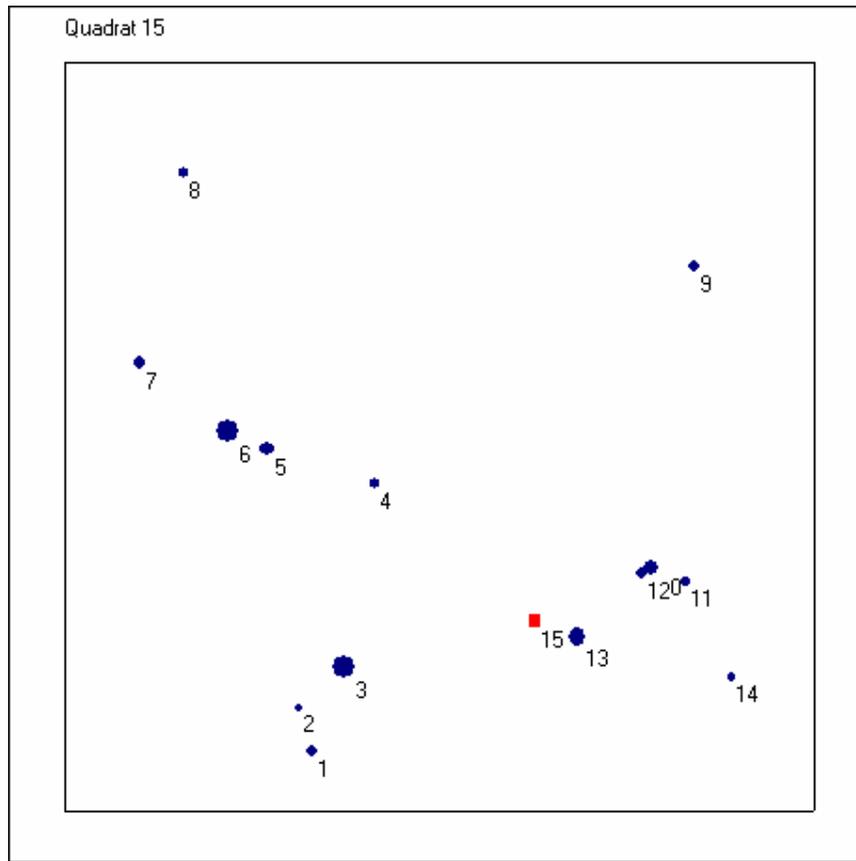
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.44	1.12	15	AS	16	DESGLA	Desbordesia glaucescens
2	1	6.19	3.35	20.7	DL	15	INDET	
3	1	7	4.55	10.3	AS	7	SANTRI	Santiria trimera
5	1	2.1	9.41	16.8	DS	24	INDET	
6	1	1.6	15.16	16.1	AS	13	SCYKLA	Scytopetalum klaineanum
7	1	5.98	14.61	14.2	AS	8	KLAGAB	Klaineanthus gabonae
8	1	3.42	16.09	18.6	DS	15	INDET	
9	1	5.93	15.29	78.9	AS	32	SCYOCH	Scyphocephalum ochocoa
10	1	0	7.41	12.3	AS	18	DIOPIS	Diospyros piscatoria
11	1	7.36	18.18	57.2	AS	38	DESGLA	Desbordesia glaucescens
12	1	16.44	16.1	27.9	AS	19	SANTRI	Santiria trimera
13	1	18.49	13.84	20.5	AS	18	DIOZEN	Diospyros zenkeri
14	1	16.61	11.36	13.5	DS	15	INDET	
15	1	18.16	9.95	27.5	AS	24	KLAGAB	Klaineanthus gabonae
16	1	15.57	10.02	18.4	AS	16	DRYSP	Drypetes sp.
17	1	15.25	1.85	23.1	AS	12	TRICHSP	Trichoscypha sp.
18	1	11.77	6.51	36.5	AS	23	DACKLA	Dacryodes klaineana
19	1	14.06	8.82	10.3	AS	10	DIOSP	Diospyros sp.
20	1	10.14	13.42	12.2	AS	9	TRICHSP	Trichoscypha sp.

### Quadrat 14



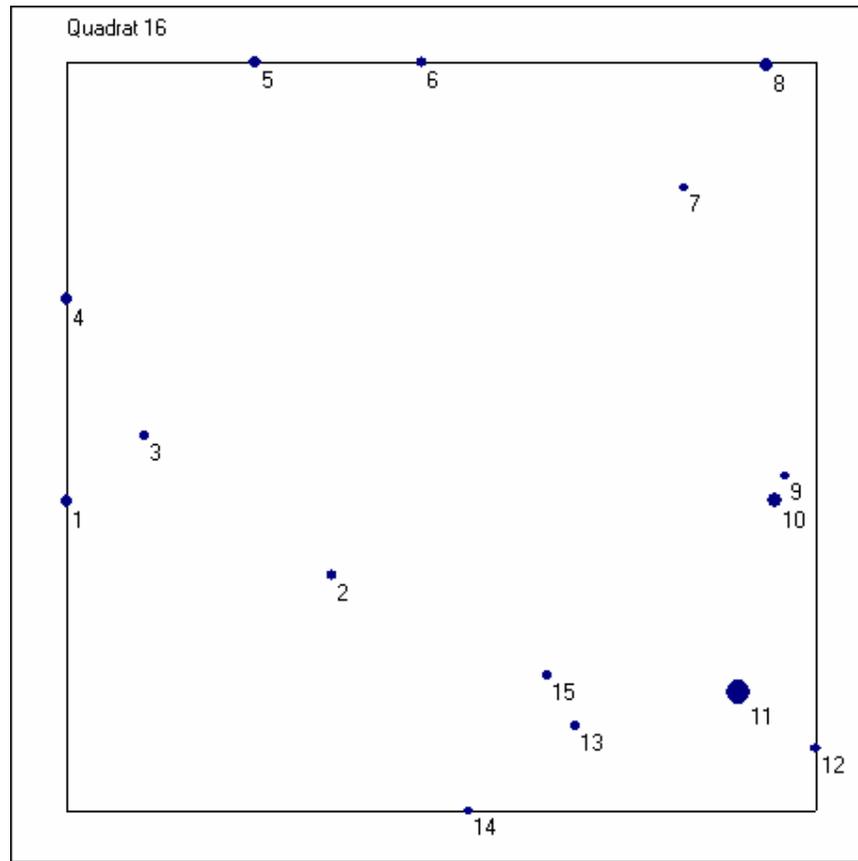
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.8	3.15	23.5	AS	22	STAGAB	<i>Staudtia gabonensis</i>
2	1	8.83	2.21	38.7	AS	30	AUCKLA	<i>Aucoumea klaineana</i>
3	1	8.51	3.35	24.2	AS	14	MICSP	<i>Microdesmis</i> sp.
4	1	5.63	3.44	26.1	AS	12	MICSP	<i>Microdesmis</i> sp.
5	1	3.16	7.87	29.8	AS	19	SYZSP	<i>Syzygium</i> sp
6	1	1.52	10.4	17.1	AS	16	DESGLA	<i>Desbordesia glaucescens</i>
7	1	2.01	15.62	24.6	AS	15	DIOZEN	<i>Diospyros zenkeri</i>
8	1	17.86	18.57	35	AS	20	SCYKLA	<i>Scytopetalum klaineum</i>
9	1	10.05	17.65	24.5	AS	18	DIASP	<i>Dialium</i> sp.
10	1	13.21	20	25.5	AS	3	CARPRO	<i>Carapa procera</i>
11	1	18.03	18.4	13.1	AS	15	DACBUE	<i>Dacryodes buettneri</i>
12	1	16.62	19.93	13.1	AS	12	TRIACU	<i>Tricoscypha acuminata</i>
13	1	13.06	16.95	11.9	AS	8	XYLQUI	<i>Xylopiya quintasii</i>
14	1	18.11	13.77	17.1	AS	15	DESGLA	<i>Desbordesia glaucescens</i>
15	1	17.94	10.89	17.4	AS	16	GARSP	<i>Garcinia</i> sp.
16	1	15.84	4.16	86.16	AS	38	AUCKLA	<i>Aucoumea klaineana</i>
17	1	15.55	5.71	16.2	AS	14	BARFIS	<i>Barteria fistulosa</i>
18	1	14.5	1.65	16.5	AS	16	CENGLA	<i>Centroplocus glaucinus</i>
19	1	8.85	9.6	32.9	AS	13	GRECOR	<i>Grewia coriacea</i>

### Quadrat 15



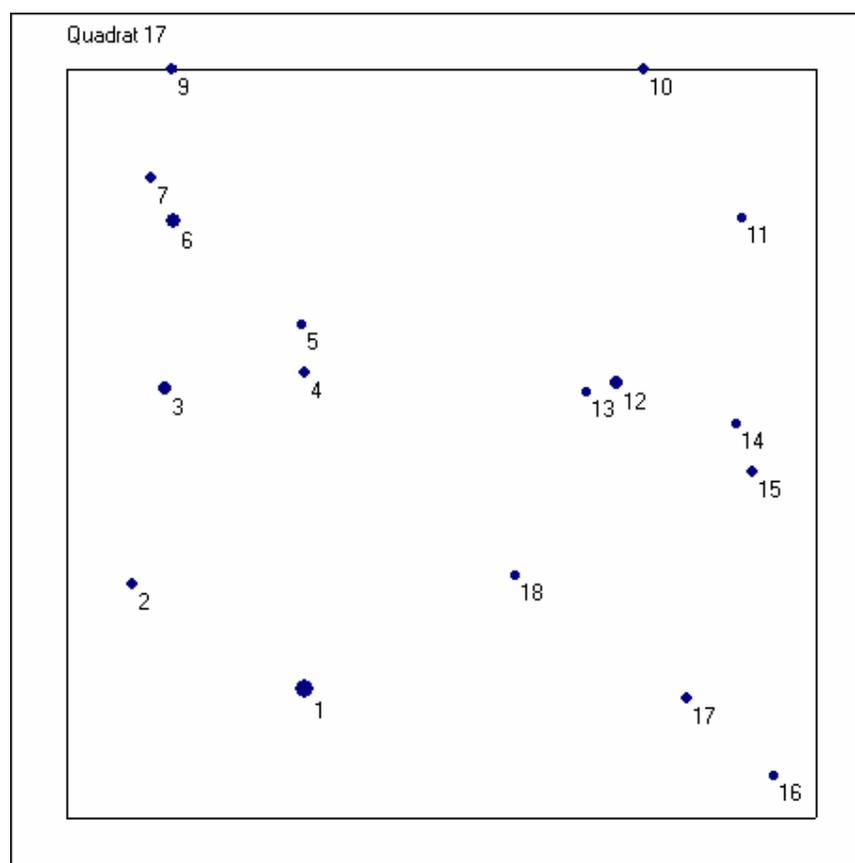
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.62	1.59	19.1	AS	24	DACSP	Dacryodes sp.
2	1	6.26	2.75	11.3	AS	5	HOMSP	Homalium sp.
3	1	7.44	3.87	77.6	AS	32	AUCKLA	Aucoumea klaineana
4	1	8.28	8.73	18.2	AS	10	DIASP	Dialium sp.
5	1	5.39	9.68	29.5	AS	24	PETMAC	Petersianthus macrocarpus
6	1	4.37	10.16	78.5	AS	30	SCYOCH	Scyphocephalum ochocoa
7	1	2.01	11.98	20.7	AS	16	COUEDU	Coula edulis
8	1	3.18	17.04	16.5	AS	12	DESGLA	Desbordesia glaucescens
9	1	16.82	14.55	19.3	AS	7	ONCGLA	Oncoba glauca
10	1	15.65	6.5	40.4	AS	28	SCYOCH	Scyphocephalum ochocoa
11	1	16.57	6.11	12.8	AS	8	DACSP	Dacryodes sp.
12	1	15.41	6.34	21.7	AS	18	GARSP	Garcinia sp.
13	1	13.68	4.65	51.4	AS	23	MAGTES	Magnistipula tessmannii
14	1	17.79	3.59	10.1	AS	7	PTESoy	Pterocarpus soyauxii
15	1	12.54	5.09	20.2	AS	16	SANTRI	Santiria trimera
15	2	12.54	5.09	13.1	AS	16	SANTRI	Santiria trimera

### Quadrat 16



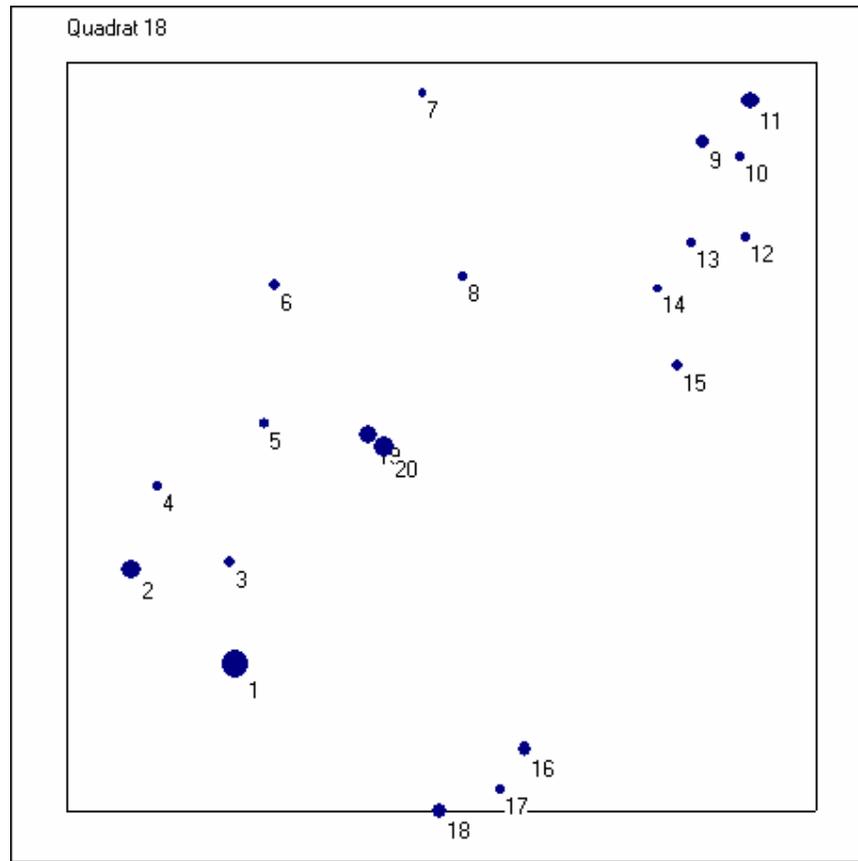
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0	8.27	25.3	AS	18	STAGAB	<i>Staudtia gabonensis</i>
2	1	7.08	6.3	14.2	AS	16	MACMON	<i>Macaranga monandra</i>
3	1	2.06	10.02	11.1	AS	10	PAUMAC	<i>Pausinystalia macrocarpa</i>
4	1	0	13.66	26	AS	16	PLAAFR	<i>Plagiostyles africana</i>
5	1	5.01	20	26.1	AS	22	SCYKLA	<i>Scytopetalum klaineanum</i>
6	1	9.46	20	13.8	AS	16	DIOZEN	<i>Diospyros zenkeri</i>
7	1	16.48	16.66	11.2	AS	10	SANTRI	<i>Santiria trimera</i>
8	1	18.66	19.93	24.2	AS	22	GRESUA	<i>Greenwayodendron suaveolens</i>
9	1	19.18	8.96	10.8	AS	15	DEGLA	<i>Desbordesia glaucescens</i>
10	1	18.91	8.29	38.3	AS	25	COEPRE	<i>Coelocaryon preussii</i>
11	1	17.92	3.17	80.6	AS	35	SCYOCH	<i>Scyphocephalum ochocoa</i>
12	1	20	1.67	15.3	AS	10	PLAAFR	<i>Plagiostyles africana</i>
13	1	13.59	2.29	15.6	AS	16	DEGLA	<i>Desbordesia glaucescens</i>
14	1	10.73	0	12	AS	8	DIOZEN	<i>Diospyros zenkeri</i>
15	1	12.83	3.62	14.4	AS	7	SANTRI	<i>Santiria trimera</i>

### Quadrat 17



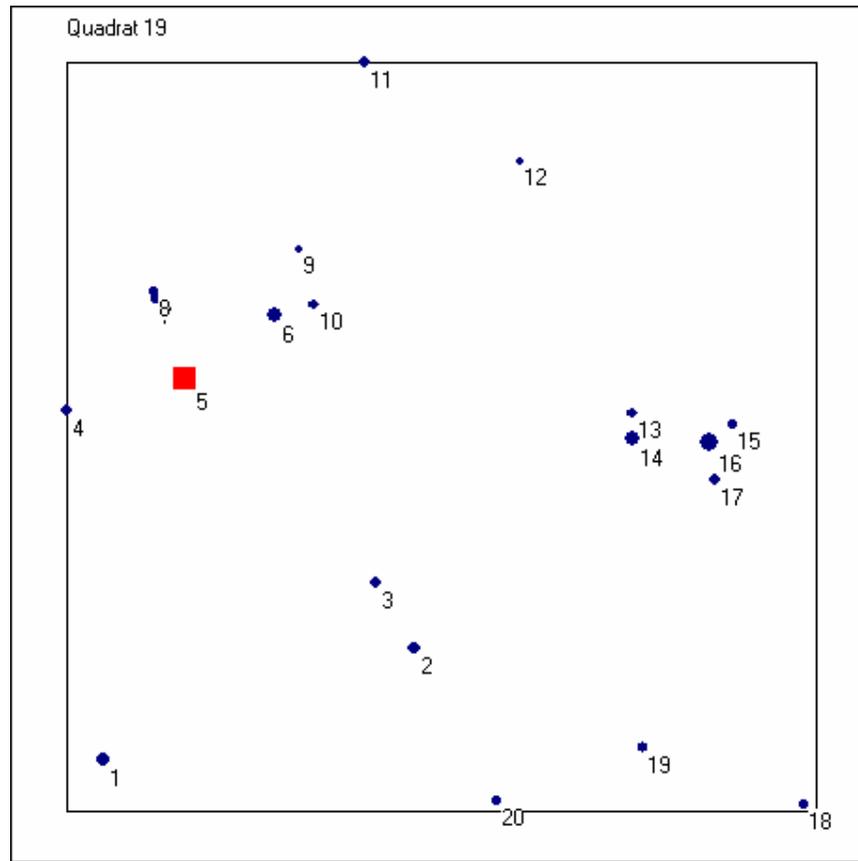
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.35	3.43	54.1	AS	33	NEWSP	Newtonia sp
2	1	1.76	6.25	16.4	AS	16	DESGLA	Desbordesia glaucescens
3	1	2.64	11.46	28.1	AS	22	ZANSP	Zanthoxylum sp
4	1	6.34	11.9	17.2	AS	18	CENGLA	Centroplicus glaucinus
5	1	6.27	13.17	13.9	AS	15	DESGLA	Desbordesia glaucescens
6	1	2.87	15.95	36.1	AS	16	PENBUT	Pentadesma butyracea
7	1	2.26	17.1	19.9	AS	15	PENZED	Pentaclethra eetveldeana
8	1	2.81	20	14	AS	12	DACSP	Dacryodes sp.
9	1	2.81	20	20.2	AS	20	GARSP	Garcinia sp.
10	1	15.39	20	23.3	AS	18	PETMAC	Petersianthus macrocarpus
11	1	18.02	16.03	11.8	AS	8	GRECOR	Grewia coriacea
12	1	14.7	11.62	25.9	AS	19	DIASP	Dialium sp.
13	1	13.89	11.36	14	AS	6	KLAGAB	Klaineanthus gabonae
14	1	17.87	10.52	14.8	AS	10	GARSP	Garcinia sp.
15	1	18.31	9.26	19.4	AS	4	HYPZEN	Hypodaphnis zenkeri
16	1	18.9	1.14	13.9	AS	16	STRPUS	Strombosia pustulata
17	1	16.57	3.22	19.6	DB	7	INDET	
18	1	11.97	6.5	13.8	AS	9	SANTRI	Santiria trimera

### Quadrat 18



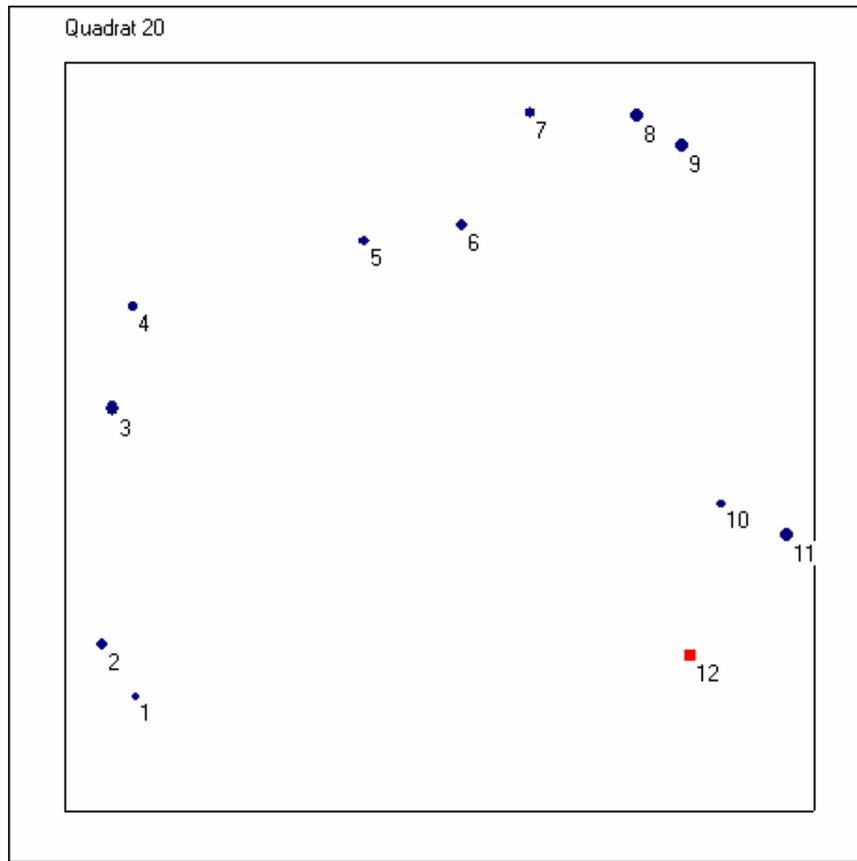
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.5	3.94	117.2	AS	40	PACTES	<i>Pachyelasma tessmannii</i>
2	1	1.74	6.45	63.1	AS	32	SCYOCH	<i>Scyphocephalum ochocoa</i>
3	1	4.35	6.66	18.2	AS	16	AFRLEP	<i>Afrostryrax lepidophyllus</i>
4	1	2.43	8.67	11	AS	7	STRSCH	<i>Strombosia scheffleri</i>
5	1	5.28	10.36	17.7	AS	21	SCYKLA	<i>Scytopetalum klaineanum</i>
6	1	5.55	14.05	20.8	AS	18	GARSP	<i>Garcinia</i> sp.
7	1	9.5	19.16	11	AS	14	HYPZEN	<i>Hypodaphnis zenkeri</i>
8	1	10.58	14.27	15.6	DS	17	INDET	
9	1	16.95	17.88	26.1	AB	8	DIASP	<i>Dialium</i> sp.
10	1	17.96	17.49	12.9	AS	14	SANTRI	<i>Santiria trimera</i>
11	1	18.25	18.97	52.2	AB	16	SYZSP	<i>Syzygium</i> sp.
12	1	18.12	15.3	13.6	AS	17	XYLQUI	<i>Xylopia quintasii</i>
13	1	16.69	15.16	13.9	AS	9	CARPRO	<i>Carapa procera</i>
14	1	15.78	13.95	10.8	AS	6	MYRSER	<i>Myrianthus serratus</i>
15	1	16.28	11.9	21	AS	14	DIOZEN	<i>Diospyros zenkeri</i>
16	1	12.24	1.66	28.6	AS	8	MICSP	<i>Microdesmis</i> sp.
17	1	11.56	0.58	14.5	AS	12	KLAGAB	<i>Klaineanthus gabonae</i>
18	1	9.95	0	29.2	AS	30	DESGLA	<i>Desbordesia glaucescens</i>
19	1	8.05	10.06	57.9	AS	26	ENGGOR	<i>Engomegoma gordonii</i>
20	1	8.47	9.73	61.9	AS	34	COEPRU	<i>Coelocaryon preussi</i>

### Quadrat 19



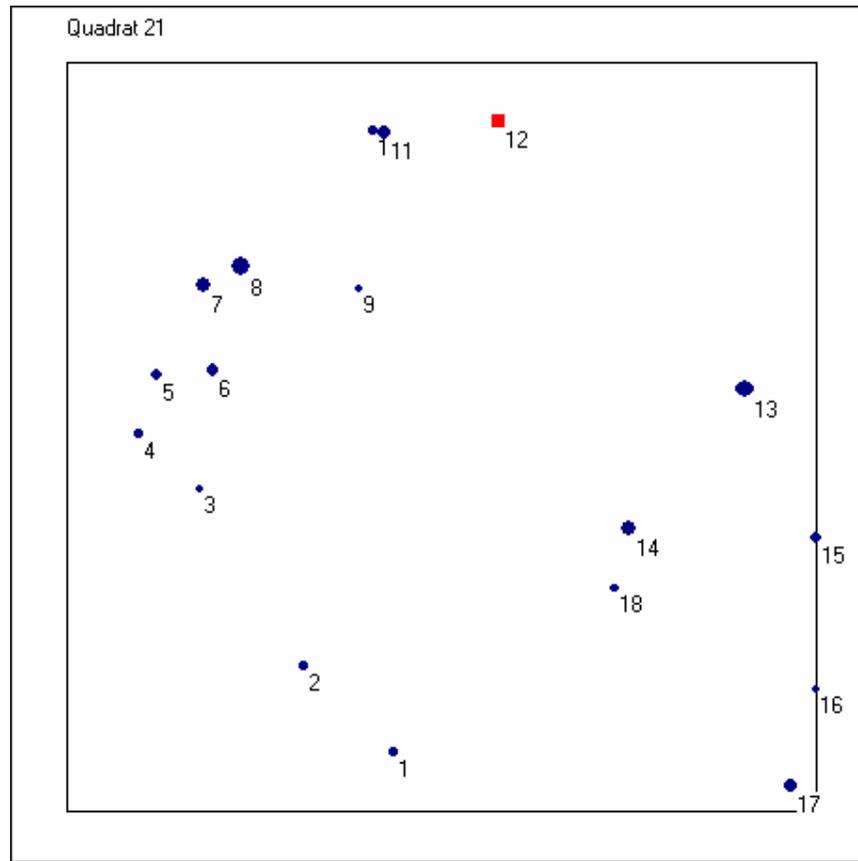
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.96	1.37	25.2	AS	16	DIOZEN	Diospyros zenkeri
2	1	9.27	4.35	23.8	AS	24	SCYKLA	Scytopetalum klaineianum
3	1	8.27	6.12	18.6	AS	22	DESGLA	Desbordesia glaucescens
4	1	0	10.69	15.9	AS	9	CENGLA	Centroplacus glaucinus
5	1	3.13	11.57	22.1	AS	33	SCYOCH	Scyphocephalum ochocoa
5	2	3.13	11.57	74.2	AS	33	SCYOCH	Scyphocephalum ochocoa
6	1	5.56	13.26	31.9	AS	19	ZANSP	Zanthoxylum sp.
7	1	2.38	13.67	12.6	AS	12	DIASP	Dialium sp.
8	1	2.33	13.87	12.1	AS	5	MICSP	Microdesmis sp.
9	1	6.2	14.99	10.1	AS	5	DIASP	Dialium sp.
10	1	6.59	13.53	16.3	AS	8	SANTRI	Santiria trimera
11	1	7.94	20	21.6	AB	7	ZANSP	Zanthoxylum sp.
12	1	12.1	17.36	10.5	AS	6	PAUMAC	Pausinystalia macrocarpa
13	1	15.1	10.63	17.1	AS	15	DISCAL	Discoglyprena caloneura
14	1	15.11	9.94	37	AS	32	ERIE XU	Erismadelphus exul
15	1	17.78	10.34	12.9	AS	12	DIOZEN	Diospyros zenkeri
16	1	17.16	9.85	59.2	AS	30	PENZED	Pentaclethra eetveldeana
17	1	17.28	8.87	19.7	AB	4	MICSP	Microdesmis sp.
18	1	19.67	0.18	14.2	AS	7	DIOZEN	Diospyros zenkeri
19	1	15.38	1.7	13.6	AS	6	SANTRI	Santiria trimera
20	1	11.48	0.3	12.9	AS	13	DACSP	Dacryodes sp.

## Quadrat 20



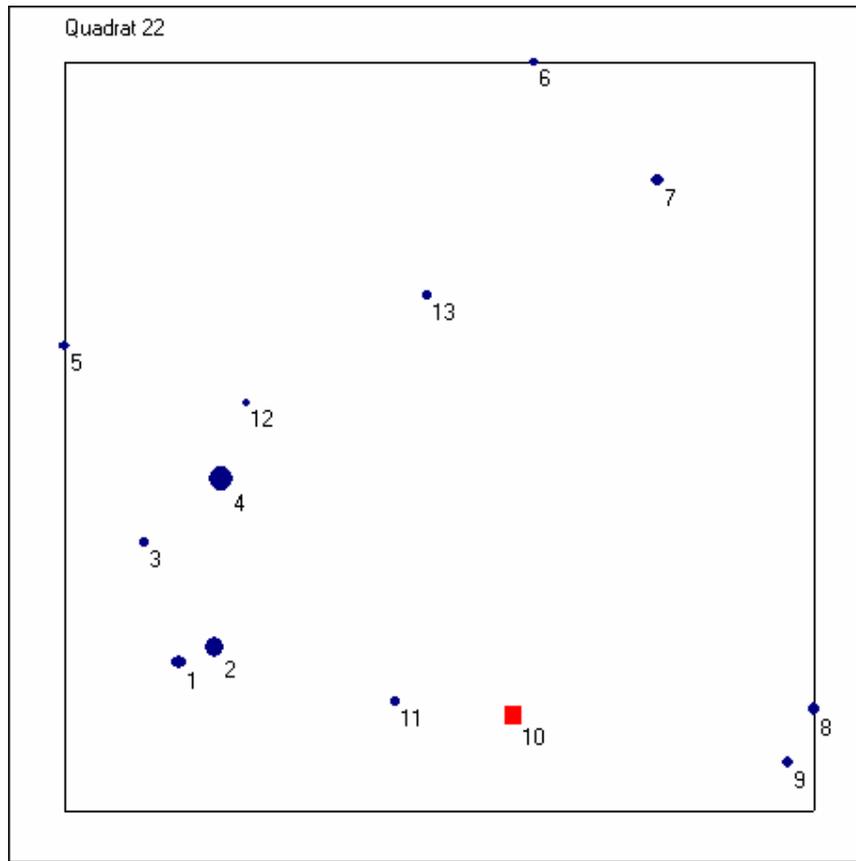
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.91	3.06	10.2	AS	4	DIASP	Dialium sp.
2	1	1.01	4.47	17.5	AS	10	MACBAR	Macaranga barteri
3	1	1.27	10.75	28.2	AS	17	DISCAL	Discoglypemma caloneura
4	1	1.82	13.47	13	AS	14	AORCLA	Aoranthe cladantha
5	1	8	15.2	14	AS	16	CARPRO	Carapa procera
6	1	10.61	15.65	19.4	AS	8	PSYSP	Psychotria sp
7	1	12.43	18.66	16.9	AS	12	AORCLA	Aoranthe cladantha
8	1	15.27	18.6	25.8	AS	20	ZANHEI	Zanthoxylum heitzii
9	1	16.46	17.75	26.2	AS	22	NAUDID	Nauclea diderichii
10	1	17.51	8.21	10.9	AS	6	BARFIS	Barteria fistulosa
11	1	19.29	7.38	27.4	AS	20	DACSP	Dacryodes sp.
12	1	16.68	4.14	11.8	AS	6	SANTRI	Santiria trimera
12	2	16.68	4.14	12.5	AS	6	SANTRI	Santiria trimera
12	3	16.68	4.14	10.7	AS	6	SANTRI	Santiria trimera

## Quadrat 21



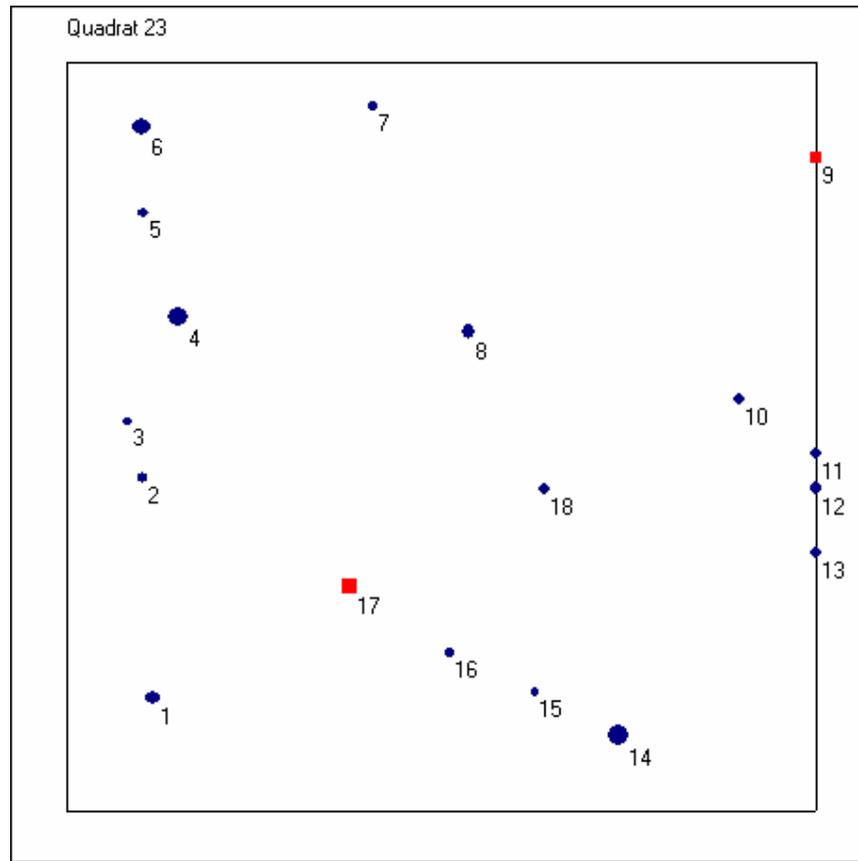
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.74	1.56	13.7	AS	18	SCYKLA	Scytopetalum klaineum
2	1	6.32	3.89	14	AS	20	DESGLA	Desbordesia glaucescens
3	1	3.56	8.6	10.9	AS	8	ANNCHL	Annickia chlorantha
4	1	1.92	10.08	10.5	AS	12	DESGLA	Desbordesia glaucescens
5	1	2.39	11.67	19	AS	16	XYLQUI	Xylopia quintasii
6	1	3.9	11.77	21.8	AS	23	PETMAC	Petersianthus macrocarpus
7	1	3.65	14.05	33.8	AS	30	PSYSP	Psychotria sp
8	1	4.64	14.57	51.6	AS	33	ARASOY	Araliopsis soyauxii
9	1	7.8	13.95	12.2	AS	11	DIASP	Dialium sp.
10	1	8.17	18.18	10.4	AS	6	DIASP	Dialium sp.
11	1	8.45	18.14	26.5	AS	17	MICSP	Microdesmis sp.
12	1	11.55	18.41	8.1	AS	20	PLAAFR	Plagiostyles africana
12	2	11.55	18.41	11.7	AS	20	PLAAFR	Plagiostyles africana
12	3	11.55	18.41	22.4	AS	20	PLAAFR	Plagiostyles africana
13	1	18.1	11.26	48.3	AS	26	CLEGLA	Cleistopholis glauca
14	1	14.99	7.57	35.6	AS	33	XYLAET	Xylopia aethiopica
15	1	20	7.3	18.5	AS	19	CANSCH	Canarium schweinfurthii
16	1	20	3.25	12.4	AS	10	INDET	
17	1	19.33	0.69	25.2	AS	15	MICSP	Microdesmis sp.
18	1	14.63	5.95	10.6	AS	9	STRSER	Strombosiaopsis serenii

## Quadrat 22



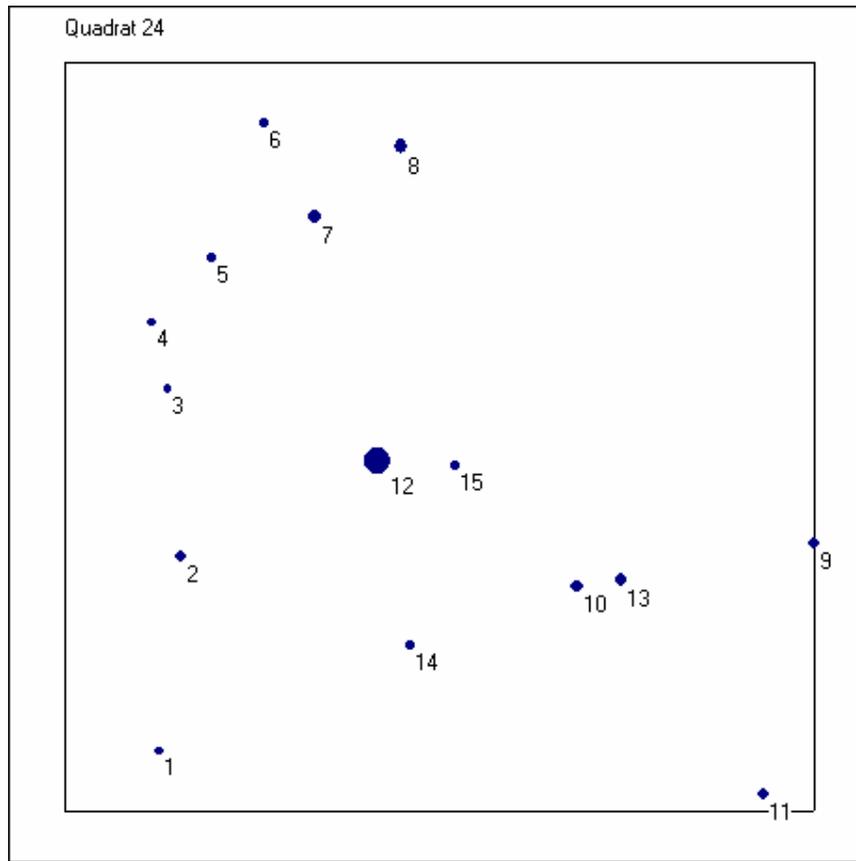
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.05	3.96	27.4	AS	30	DESGLA	Desbordesia glaucescens
2	1	4	4.38	60.8	AS	32	ONGGOR	Ongokea gore
3	1	2.14	7.19	12.9	AS	15	DRPSP	Drypetes sp
4	1	4.17	8.88	81.9	AS	26	ARASOY	Araliopsis soyauxii
5	1	0	12.45	13.6	AS	22	XYLHYP	Xylopia hypolampra
6	1	12.54	20	11.2	AS	10	DESGLA	Desbordesia glaucescens
7	1	15.83	16.84	22.2	AS	19	DIOZEN	Diospyros zenkeri
8	1	20	2.74	26	AS	22	DIAPAC	Dialium pachyphyllum
9	1	19.3	1.3	17.9	AS	15	CANSCH	Canarium schweinfurthii
10	1	11.98	2.56	45	AS	25	SCYOCH	Scyphocephalum ochocoa
10	2	11.98	2.56	15.8	AS	18	SCYOCH	Scyphocephalum ochocoa
11	1	8.84	2.92	14.4	AS	13	PLAAFR	Plagiostyles africana
12	1	4.85	10.9	10.2	AS	8	PORCLA	Porterandia cladantha
13	1	9.66	13.78	16.1	AS	20	PLAAFR	Plagiostyles africana

### Quadrat 23



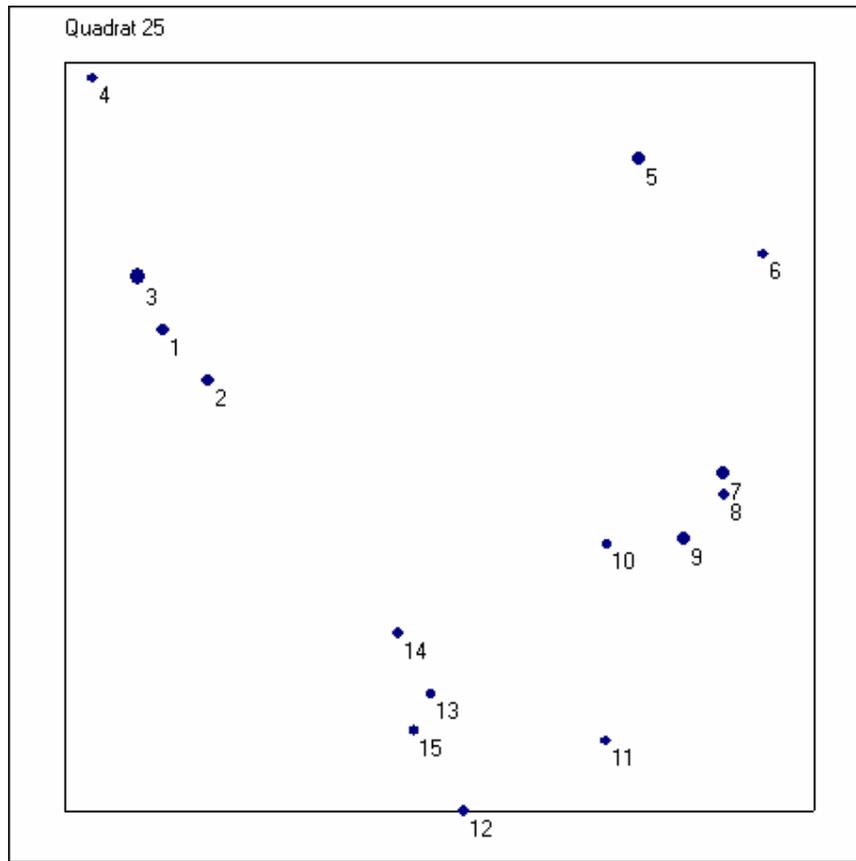
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.31	3.02	31.1	AS	12	DACSP	Dacryodes sp.
2	1	2.02	8.9	15.9	AS	10	MICSP	Microdesmis sp.
3	1	1.63	10.41	10.3	AS	7	GRECOR	Grewia coriacea
4	1	2.96	13.19	62.5	AS	14	DISBEN	Disteminanthus benthamianus
5	1	2.04	15.97	15.7	AS	14	DIOZEN	Diospyros zenkeri
6	1	2.02	18.28	52	AS	30	PENEZD	Pentaclethra eedveltiana
7	1	8.18	18.81	12.5	AS	8	MICSP	Microdesmis sp.
8	1	10.73	12.78	34.4	AS	30	NEWLEU	Newtonia leucocarpa
9	1	20	17.45	14.2	AS	15	PLAAFR	Plagiostyles africana
9	2	20	17.45	13.1	AS	15	PLAAFR	Plagiostyles africana
10	1	17.93	11.01	18.9	AS	20	GRESUA	Greenwayodendron suaveolens
11	1	20	9.54	17.9	AS	18	SAPINDET	Sapindaceae
12	1	20	8.63	22.2	AS	20	DIOZEN	Diospyros zenkeri
13	1	20	6.89	16	AS	16	MYRSER	Myrianthus serratus
14	1	14.71	2.03	72.4	AS	36	PENMAC	Pentaclethra macrophylla
15	1	12.5	3.16	11.9	AS	6	DACSP	Dacryodes sp.
16	1	10.23	4.25	12.9	AS	10	STRSCH	Strombosia scheffleri
17	1	7.56	5.98	22	AS	20	SCYOCH	Scyphocephalum ochocoa
17	2	7.56	5.98	23.1	AS	20	SCYOCH	Scyphocephalum ochocoa
18	1	12.75	8.61	18.6	AS	21	STRTET	Strombosia tetandra

## Quadrat 24



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.52	1.6	10.7	AS	9	BARFIS	Barteria fistulosa
2	1	3.1	6.81	19.9	AS	12	PLAAFR	Plagiostyles africana
3	1	2.74	11.28	10.9	AS	5	TREOBO	Treculia obovoidea
4	1	2.33	13.05	10.5	AS	10	PLAAFR	Plagiostyles africana
5	1	3.92	14.77	12.5	AS	10	SANTRI	Santiria trimera
6	1	5.35	18.39	12.5	AS	14	ANNCHL	Annickia chlorantha
7	1	6.66	15.87	30.1	AS	20	ZANHEI	Zanthoxylum heitzii
8	1	8.98	17.75	31.3	AB	18	DIOZEN	Diospyros zenkeri
9	1	20	7.15	15.7	AS	13	MACMON	Macaranga Monandra
10	1	13.68	6	21.3	AS	15	SCYOCH	Scyphocephalum ochocoa
11	1	18.63	0.46	19.1	AS	18	CLEGLA	Cleistopholis glauca
12	1	8.35	9.37	109.2	AS	36	AUCKLA	Aucoumea klaineana
13	1	14.87	6.18	20.2	AS	16	GRECOR	Grewia coriacea
14	1	9.23	4.42	10	AS	5	MICSP	Microdesmis sp.
15	1	10.41	9.22	14.7	AS	17	TETBIF	Tetraberlinia bifoliolata

## Quadrat 25



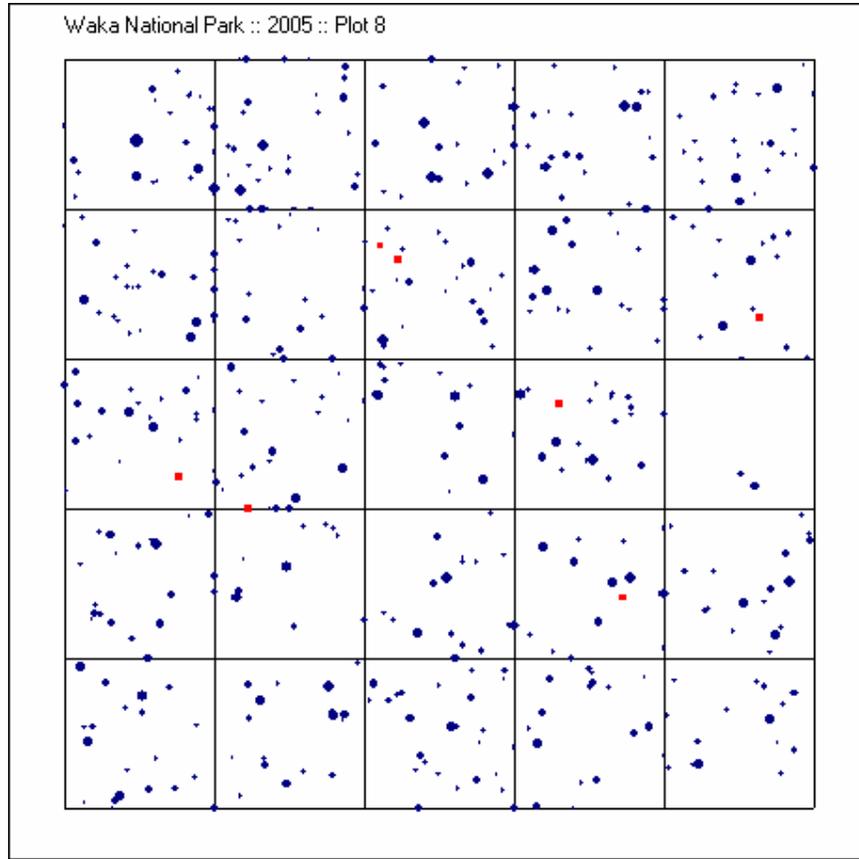
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.62	12.85	22.9	AS	14	CANSCH	Canarium schweinfurthii
2	1	3.82	11.5	23.6	AS	20	DISCAL	Discoglyprena caloneura
3	1	1.96	14.27	40	AS	25	ZANHEI	Zanthoxylum heitzii
4	1	0.75	19.56	14.1	AS	5	NAUDID	Nauclea diderichii
5	1	15.33	17.43	23.7	DS	7	INDET	
6	1	18.65	14.88	15.5	AS	18	NAUDID	Nauclea diderichii
7	1	17.57	9.02	27.5	AS	15	XYLAET	Xylopia aethiopica
8	1	17.6	8.45	16	AS	13	AORCLA	Aoranthe cladantha
9	1	16.52	7.28	21.3	AS	20	DISCAL	Discoglyprena caloneura
10	1	14.46	7.11	11	AS	6	DISCAL	Discoglyprena caloneura
11	1	14.45	1.89	15.4	AS	12	PENEZD	Pentaclethra eedveltiana
12	1	10.63	0	19.1	AS	14	PAUSP	Pauridiantha sp
13	1	9.79	3.11	14.8	AS	10	AORCLA	Aoranthe cladantha
14	1	8.89	4.74	15.5	AS	14	AORCLA	Aoranthe cladantha
15	1	9.34	2.15	15.7	AS	16	ONCGLA	Oncoba glauca

### Plot 8

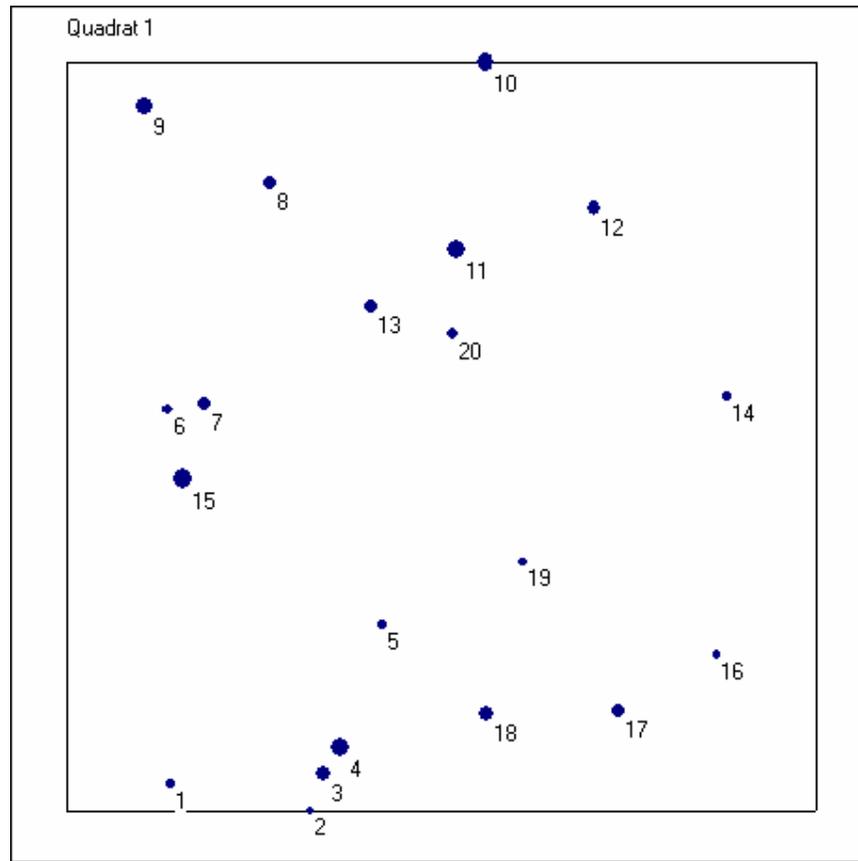
01° 12,570' S  
011° 06,275' E

Logged forest

687m a.s.l.

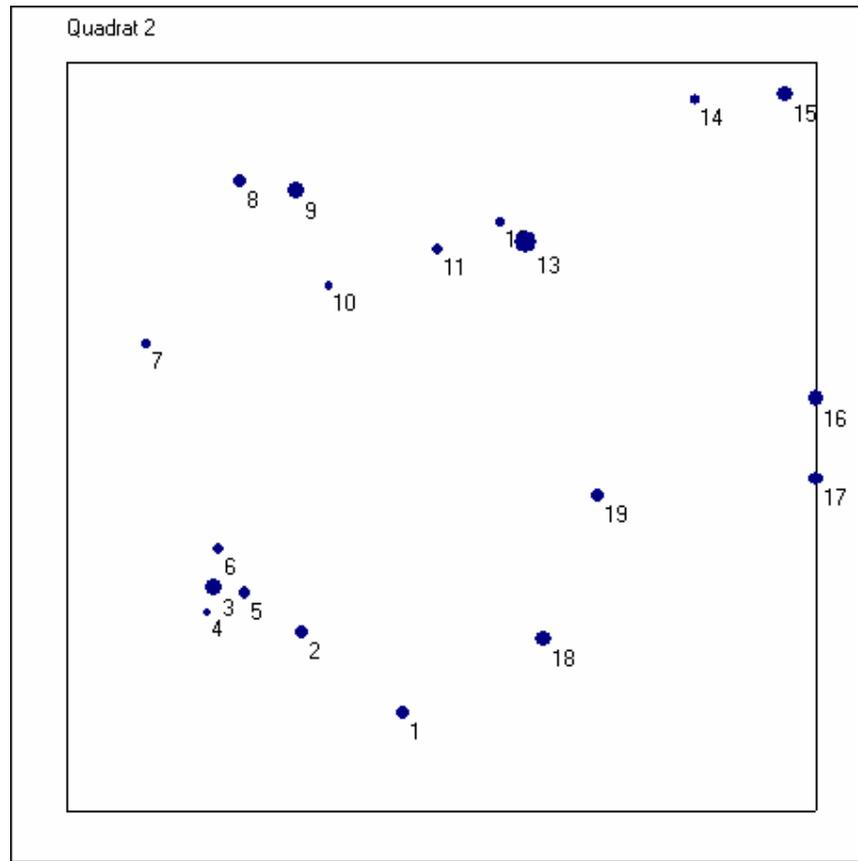


### Quadrat 1



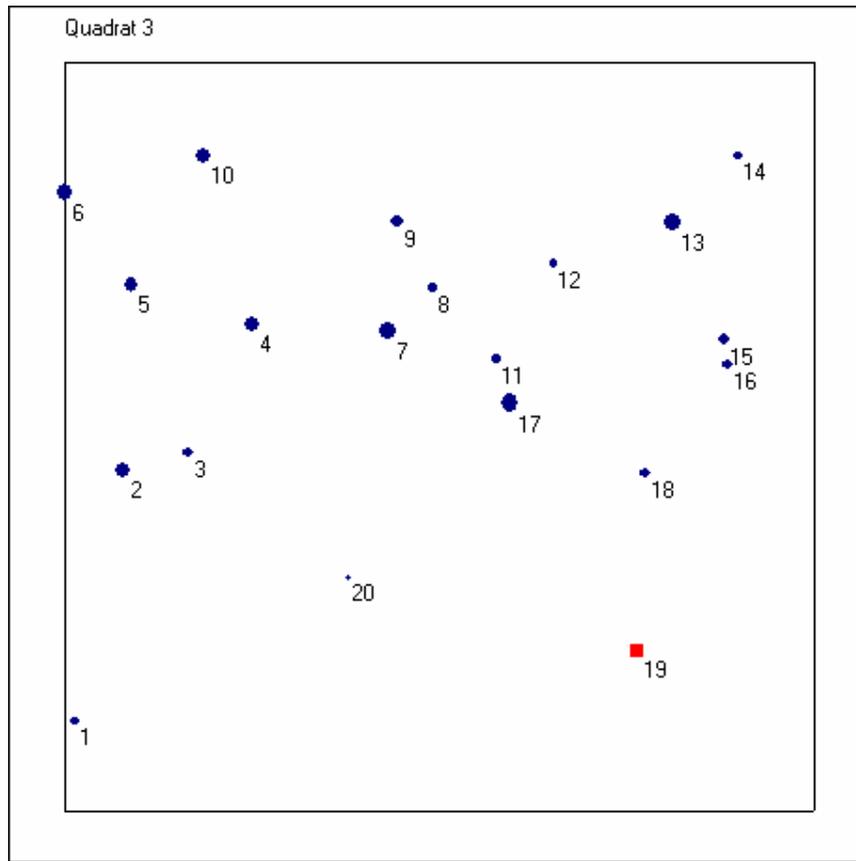
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.77	0.73	12.1	AS	5	PANSP	Pancovia sp
2	1	6.5	0	12.7	AS	14	CHRSP	Chrysophyllum sp
3	1	6.86	1.01	36.2	AS	20	SANTRI	Santiria trimera
4	1	7.29	1.69	55.5	AS	22	SANTRI	Santiria trimera
5	1	8.43	4.99	12.4	AS	15	STRSCH	Strombosia scheffleri
6	1	2.7	10.74	14.8	AS	12	DIOZEN	Diospyros zenkeri
7	1	3.69	10.86	28.5	AS	26	COUEDU	Coula edulis
8	1	5.43	16.78	30.6	AS	28	SYZSP1	Syzygium sp1
9	1	2.08	18.82	47.9	AS	25	SYZSP2	Syzygium sp2
10	1	11.18	20	45.1	AS	30	DIASP	Dialium sp.
11	1	10.39	15.01	59.2	AS	35	GILSP	Gilbertiodendron sp
12	1	14.07	16.11	31.4	AS	35	SANTRI	Santiria trimera
13	1	8.13	13.47	22	AS	20	SANTRI	Santiria trimera
14	1	17.64	11.06	10.6	AS	7	STRSER	Strombosiosis serenii
15	1	3.11	8.88	59.9	AS	30	GANGIG	Ga#phyllum giganteum
16	1	17.35	4.16	12.2	AS	8	HEIPAR	Heisteria parvifolia
17	1	14.73	2.67	24.8	AS	18	DIOZEN	Diospyros zenkeri
18	1	11.18	2.59	35.9	AS	22	MARDIS	Margaritaria discoidea
19	1	12.19	6.65	12.5	AS	14	ALLSP	Allophyllus sp
20	1	10.31	12.75	20.5	AS	19	HEIPAR	Heisteria parvifolia

## Quadrat 2



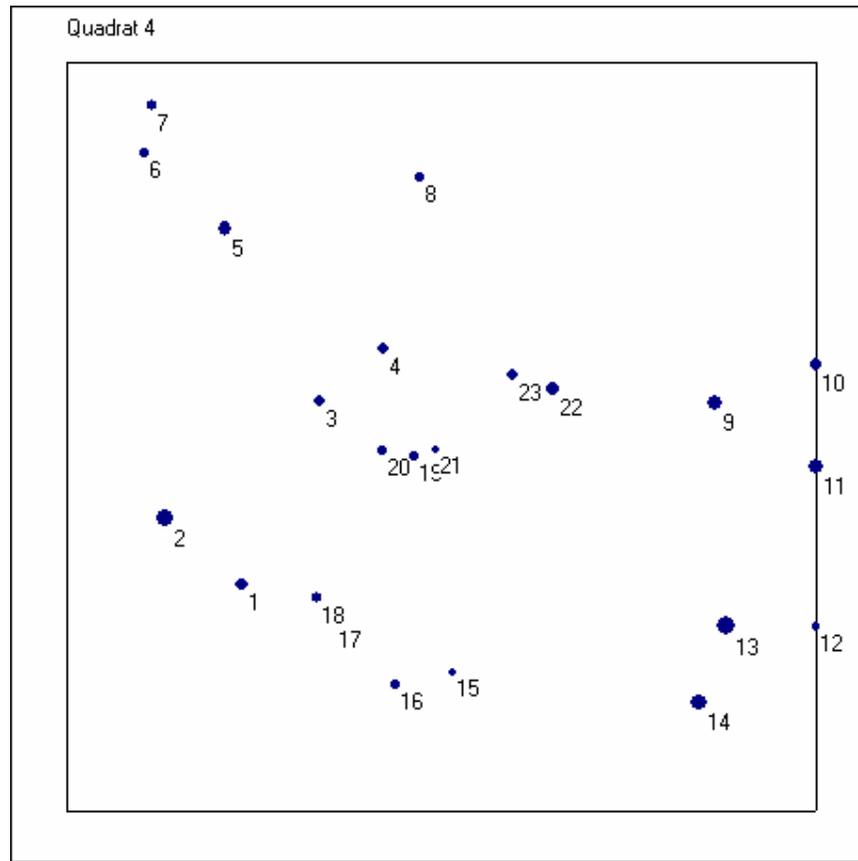
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.96	2.62	29.3	AS	32	GRESUA	Greenwayodendron suaveolens
2	1	6.28	4.76	22.7	AS	21	DIOZEN	Diospyros zenkeri
3	1	3.94	5.97	42.6	AS	22	DIASP	Dialium sp.
4	1	3.76	5.31	10	AS	13	PANSP	Pancovia sp
5	1	4.74	5.81	24.3	AS	15	GROSP	Grossera sp
6	1	4.03	7.02	19.2	AS	14	GARSP	Garcinia sp.
7	1	2.14	12.47	11	AS	7	DIOZEN	Diospyros zenkeri
8	1	4.62	16.82	22.1	AS	9	DACMAC	Dacryodes macrophylla
9	1	6.14	16.57	40.2	AS	24	PENEDT	Pentaclethra edtveldiana
10	1	7.01	14.02	10.6	AS	10	CARSP	Carapa sp
11	1	9.88	15.01	20.5	AS	12	BERSP	Berlinia sp
12	1	11.58	15.73	11.9	AS	10	RHASP	Rhabdophyllum sp
13	1	12.23	15.19	80.7	DB	20	INDET	
14	1	16.79	19	13.8	AS	10	SCYKLA	Scytopetalum klaineanum
15	1	19.17	19.16	35.6	AS	28	PENEDT	Pentaclethra edtveldiana
16	1	20	11.04	40	AS	26	STRPUS	Strombosia pustulata
17	1	20	8.87	28	AS	24	MARDIS	Margaritaria discoidea
18	1	12.71	4.6	43.4	AS	28	MARDIS	Margaritaria discoidea
19	1	14.17	8.43	33.2	AS	10	DIOZEN	Diospyros zenkeri

### Quadrat 3



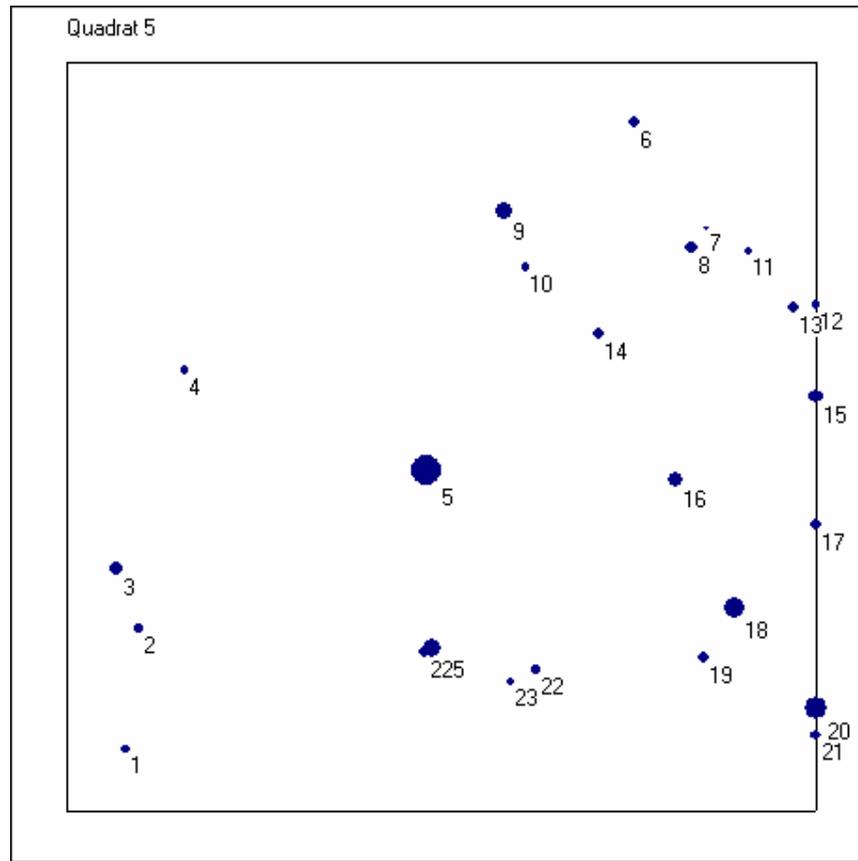
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.26	2.4	12.9	AS	6	RHASP	Rhabdophyllum sp
2	1	1.56	9.09	38.5	AB	14	STRTET	Strombosia tetandra
3	1	3.3	9.58	18	AB	7	MYRSER	Myrianthus serratus
4	1	4.99	13.02	35.4	AB	27	HEIPAR	Heisteria parvifolia
5	1	1.77	14.04	31	AB	12	DACSP	Dacryodes sp.
6	1	0	16.52	38.7	AS	20	STRPUS	Strombosia pustulata
7	1	8.61	12.83	43.1	AS	32	MARGLA	Maranthes glabra
8	1	9.81	13.97	13.3	AS	12	PRIOXY	Priewia oxyphylla
9	1	8.87	15.76	19.5	AS	14	SANTRI	Santiria trimera
10	1	1.61	18.14	35.9	AS	22	GAREPU	Garcinia epunctata
11	1	11.5	12.08	13.5	AS	10	BIESP	Beilschmiedia sp.
12	1	13.06	14.63	10	AS	9	ANISP2	Anisophyllea sp. 2
13	1	16.21	15.73	46.1	AS	8	ISOSP	Isolona sp
14	1	17.98	17.49	10.4	AS	14	DRYSP	Drypetes sp.
15	1	17.61	12.6	21.2	AS	12	SANTRI	Santiria trimera
16	1	17.7	11.92	15.5	AS	15	GARSP	Garcinia sp.
17	1	11.87	10.91	48.8	AS	38	MARDIS	Margaritaria discoidea
18	1	15.51	9.02	17.9	AS	13	COUEDU	Coula edulis
19	1	15.28	4.26	15.9	AS	8	ANNMAN	Anonidium mannii
19	2	15.28	4.26	21.2	AS	16	ANNMAN	Anonidium mannii
20	1	7.58	6.24	2.4	AS	24	MARDIS	Margaritaria discoidea

### Quadrat 4



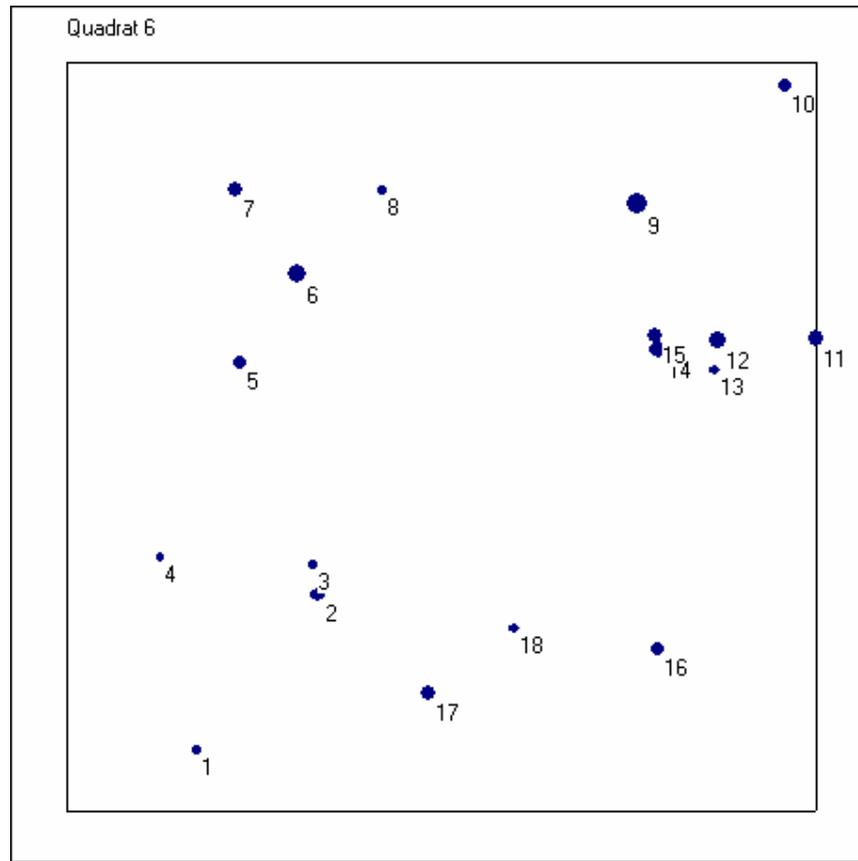
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.67	6.06	20.4	AS	13	SCOZEN	Scorodophloeus zenkeri
2	1	2.65	7.82	44	AS	22	MARDIS	Margaritaria discoidea
3	1	6.77	10.95	20.3	AS	15	ANNMAN	Annonidium mannii
4	1	8.44	12.33	20.3	AS	15	DACMAC	Dacryodes macrophylla
5	1	4.23	15.55	28.4	AS	26	TETPOL	Tetraberlinia polyphylla
6	1	0	17.73	12.8	AS	10	HEIPAR	Heisteria parvifolia
7	1	2.29	18.86	15.4	AS	8	HEIPAR	Heisteria parvifolia
8	1	9.41	16.93	11.3	AS	7	ANISP2	Anisophyllea sp. 2
9	1	17.32	10.89	32.3	AS	20	DACSP	Dacryodes sp.
10	1	20	11.93	26.4	AS	24	ANOKLA	Anopyxis klaineana
11	1	20	9.21	35.6	AS	30	PENEDT	Pentaclethra edtveldiana
12	1	20	4.95	12.8	AS	14	SCOCOR	Scottellia coriacea
13	1	17.59	4.94	59.8	AS	18	BIESP	Beilschmiedia sp.
14	1	16.87	2.89	40	AS	28	GAREPU	Garcinia epunctata
15	1	10.3	3.7	10.8	AS	7	RHASP	Rhabdophyllum sp
16	1	8.77	3.37	16.3	AS	15	DACIGA	Dacryodes iganganga
17	1	7.12	5.01	11.9	AS	8	CARSP	Carapa sp
18	1	6.67	5.7	15.2	AS	7	SCABLA	Scaphopetalum blackii
19	1	9.28	9.48	12.6	AS	10	SCABLA	Scaphopetalum blackii
20	1	8.43	9.64	13.9	AS	14	PAUMAC	Pausinystalia macrocarpa
21	1	9.86	9.66	10.8	AS	12	DACEDU	Dacryodes edulis
22	1	12.99	11.26	25.4	AS	18	DIOZEN	Diospyros zenkeri
23	1	11.9	11.65	21.7	AS	16	IRVGAB	Irvingia gabonensis

### Quadrat 5



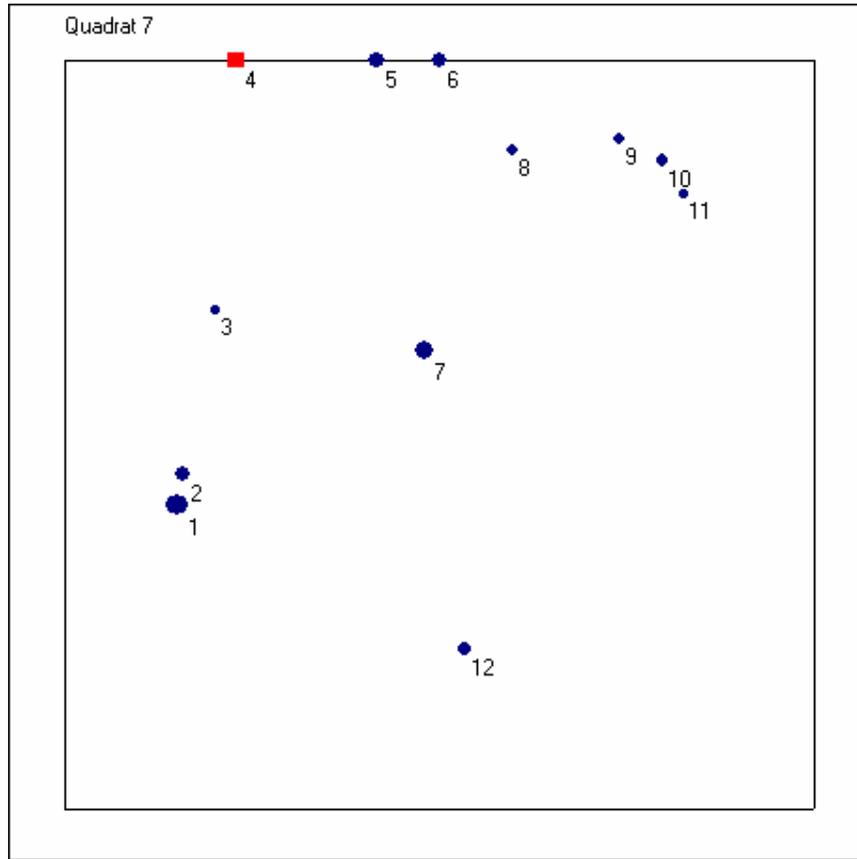
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.58	1.66	11.4	AS	8	CARSP	Carapa sp
2	1	1.92	4.86	11.9	AS	6	SCABLA	Scaphopetalum blackii
3	1	1.31	6.5	27.3	AS	20	ANISP3	Anisophyllea sp. 3
4	1	0	11.18	12.5	AS	9	SCABLA	Scaphopetalum blackii
5	1	9.61	9.1	132.5	AS	35	AUCKLA	Aucoumea klaineana
6	1	15.15	18.41	16.9	AS	7	MICSP	Microdesmis sp.
7	1	17.08	15.54	3.2	AS	11	SCABLA	Scaphopetalum blackii
8	1	16.68	15.06	21.5	AS	19	GRESUA	Greenwayodendron suaveolens
9	1	11.69	16.01	43	AS	10	PENMAC	Pentaclethra macrophylla
10	1	12.25	14.51	10.9	AS	7	SCABLA	Scaphopetalum blackii
11	1	18.19	14.94	10.2	AS	6	DIOSP	Diospyros sp.
12	1	20	13.54	11.5	AS	11	CENGLA	Centropalpus glaucinus
13	1	19.39	13.45	20.2	AS	7	BIESP	Beilschmiedia sp.
14	1	14.2	12.75	16	AS	13	CENGLA	Centropalpus glaucinus
15	1	20	11.08	32.5	AS	20	PENEDT	Pentaclethra edtveldiana
16	1	16.25	8.85	30.6	AS	24	GRESUA	Greenwayodendron suaveolens
17	1	20	7.65	16.9	AS	18	KLAGAB	Klaineanthus gabonae
18	1	17.82	5.43	62.2	AS	26	PENEDT	Pentaclethra edtveldiana
19	1	16.98	4.11	19.8	AS	21	CENGLA	Centropalpus glaucinus
20	1	20	2.75	70.2	AS	35	IRVGAB	Irvingia gabonensis
21	1	20	2.01	13.5	AS	12	SCABLA	Scaphopetalum blackii
22	1	12.54	3.76	12.8	AS	6	MYRSER	Myrianthus serratus
23	1	11.85	3.45	10.5	AS	5	ANISP3	Anisophyllea sp. 3
24	1	9.57	4.24	20.4	AS	18	DRYSP	Drypetes sp.
25	1	9.73	4.34	54.2	AS	35	PENEDT	Pentaclethra edtveldiana

## Quadrat 6



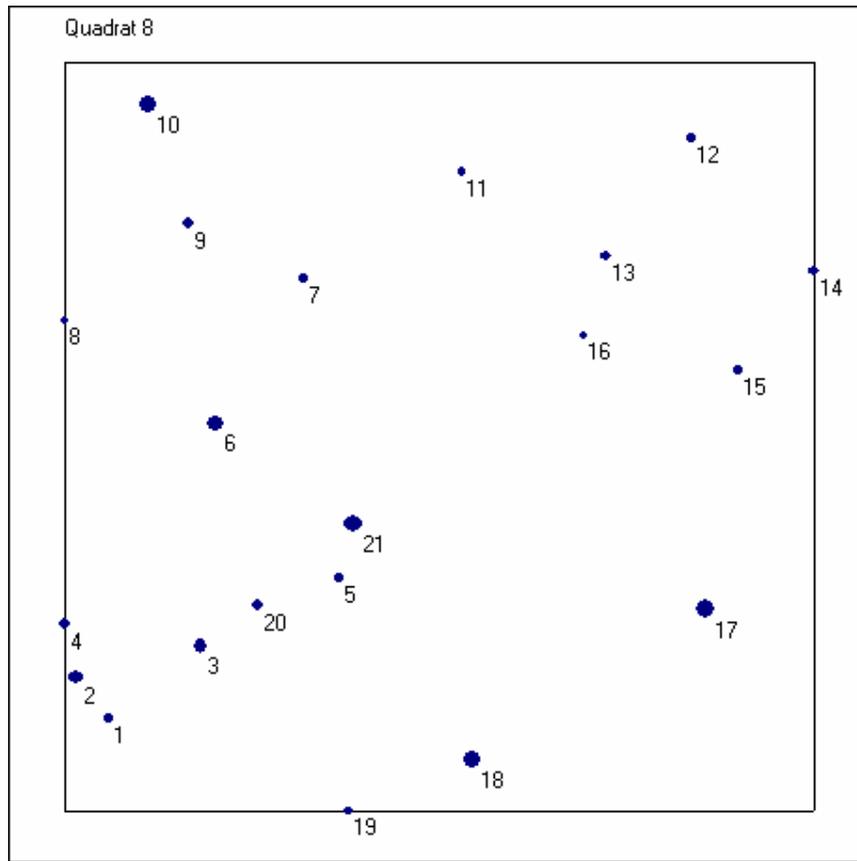
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.46	1.64	11.9	AS	4	MEMSP1	Memecylon sp1
2	1	6.72	5.77	33.9	AS	20	SANTRI	Santiria trimera
3	1	6.59	6.59	12	AS	12	AFRLEP	Afrostryrax lepidophyllus
4	1	2.5	6.79	10.9	AS	7	MEMSP	Memecylon sp
5	1	4.62	11.98	25.4	AS	18	AFRLEP	Afrostryrax lepidophyllus
6	1	6.16	14.34	54.2	AS	25	DACEDU	Dacryodes edulis
7	1	4.49	16.6	37.9	AS	22	HEIPAR	Heisteria parvifolia
8	1	8.42	16.59	11	AS	8	BERSP	Berlinia sp
9	1	15.22	16.24	68.7	AS	18	MEMSP2	Memecylon sp2
10	1	19.16	19.39	28.9	AS	10	HEIPAR	Heisteria parvifolia
11	1	0	0	37.3	AS	14	SANTRI	Santiria trimera
12	1	17.38	12.58	39.9	AS	23	IRVGAB	Irvingia gabonensis
13	1	17.3	11.79	14	AS	10	CARPRO	Carapa procera
14	1	15.79	12.34	48.7	AS	20	HYPPEL	Hymenostegia pellegrinii
15	1	15.69	12.71	37.4	AS	20	HEIPAR	Heisteria parvifolia
16	1	15.78	4.32	24.7	AS	18	XYLSTA	Xylopija staudtii
17	1	9.65	3.16	38.6	AS	22	DIOZEN	Diospyros zenkeri
18	1	11.95	4.87	15	AS	15	PLAAFR	Plagiostyles africana

### Quadrat 7



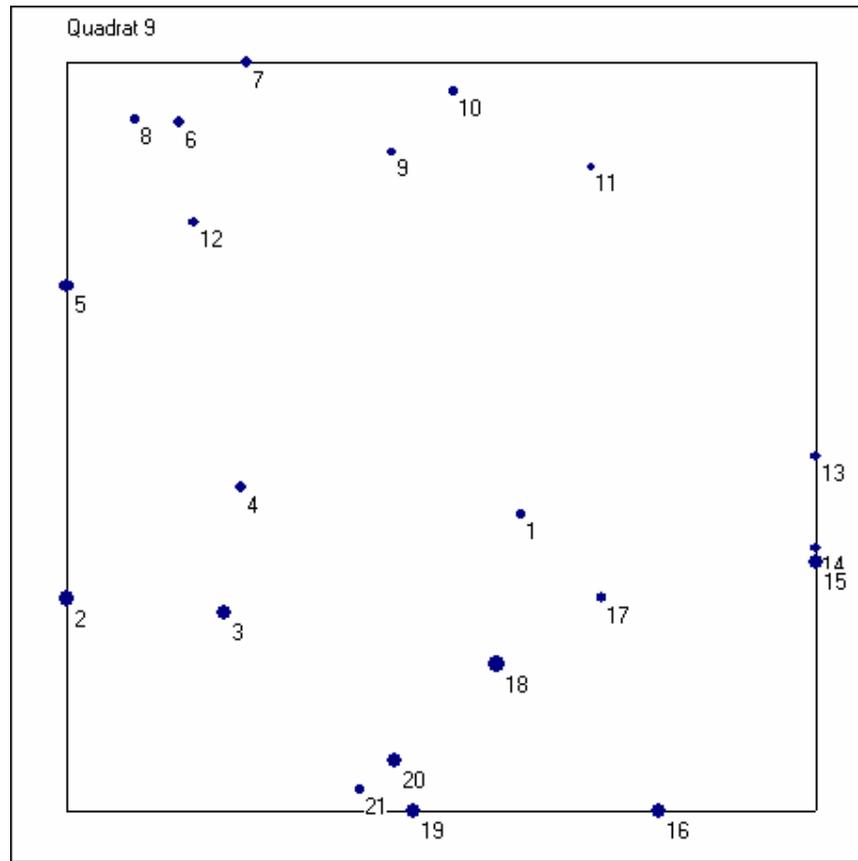
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3	8.13	71.9	AS	25	BEISP	Beilschmiedia sp
2	1	3.16	8.93	34.5	AS	19	DIOZEN	Diospyros zenkeri
3	1	4.02	13.33	11.1	AS	15	KLAGAB	Klaineanthus gabonae
4	1	4.57	20	35.9	AS	28	STRPUS	Strombosia pustulata
4	2	4.57	20	13.2	AS	15	STRPUS	Strombosia pustulata
5	1	8.32	20	36.2	AS	28	DACEDU	Dacryodes edulis
6	1	10.02	20	36.3	AS	20	STRPUS	Strombosia pustulata
7	1	9.6	12.25	62.6	DS	30	INDET	
8	1	11.96	17.6	16.7	AS	14	GRESUA	Greenwayodendron suaveolens
9	1	14.8	17.9	15.6	AS	16	SORNIT	Sorindeia nitidula
10	1	15.94	17.32	22.5	AS	35	PAUMAC	Pausinystalia macrocarpa
11	1	16.54	16.42	13.2	AS	14	STRPUS	Strombosia pustulata
12	1	10.67	4.26	25.6	AS	24	DIOZEN	Diospyros zenkeri

### Quadrat 8



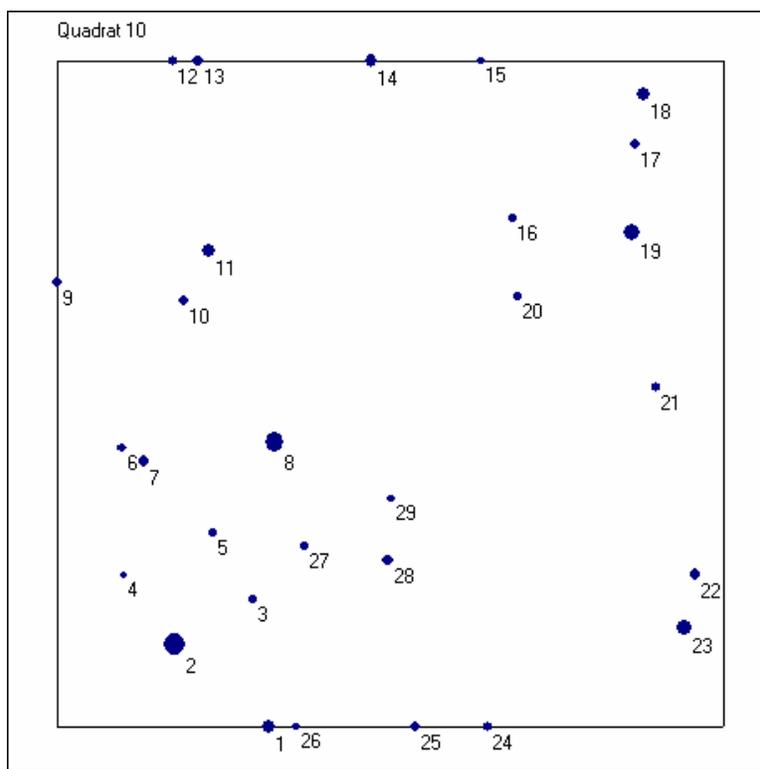
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.19	2.5	13.1	AS	15	RHASP	Rhabdophyllum sp
2	1	0.31	3.58	30.6	AS	25	MARDIS	Margaritaria discoidea
3	1	3.62	4.39	32.3	AS	30	DACEDU	Dacryodes edulis
4	1	0	4.99	17.4	AS	14	ANISP2	Anisophyllea sp. 2
5	1	7.33	6.23	13.9	AS	15	GRESUA	Greenwayodendron suaveolens
6	1	4.02	10.35	38	AS	26	SANTRI	Santiria trimera
7	1	6.36	14.21	12.1	AS	10	KLAGAB	Klaineanthus gabonae
8	1	0	13.09	10.8	AS	12	CARSP	Carapa sp
9	1	3.31	15.72	18.2	AS	12	SANTRI	Santiria trimera
10	1	2.23	18.87	40.8	AS	30	SCOZEN	Scorodophloeus zenkeri
11	1	10.6	17.09	10.5	AS	8	ANNMAN	Annonidium manni
12	1	16.71	17.99	10.9	AS	11	GARSP	Garcinia sp.
13	1	14.44	14.83	18.3	AS	17	DACSP	Dacryodes sp.
14	1	20	14.45	13.9	AS	6	ISOSP	Isolona sp
15	1	17.97	11.76	14.1	AS	13	DIOMEL	Diospyros melocarpa
16	1	13.86	12.7	10.7	AS	10	STRSCH	Strombosia scheffleri
17	1	17.1	5.39	52.7	AS	24	DIOZEN	Diospyros zenkeri
18	1	10.86	1.38	48	AS	19	ERISP	Eriocoelum sp.
19	1	7.56	0	12.5	AS	16	DIOZEN	Diospyros zenkeri
20	1	5.16	5.51	22.2	AS	15	ALLSP	Allophyllus sp
21	1	7.7	7.67	45.4	AS	28	STRPUS	Strombosia pustulata

### Quadrat 9



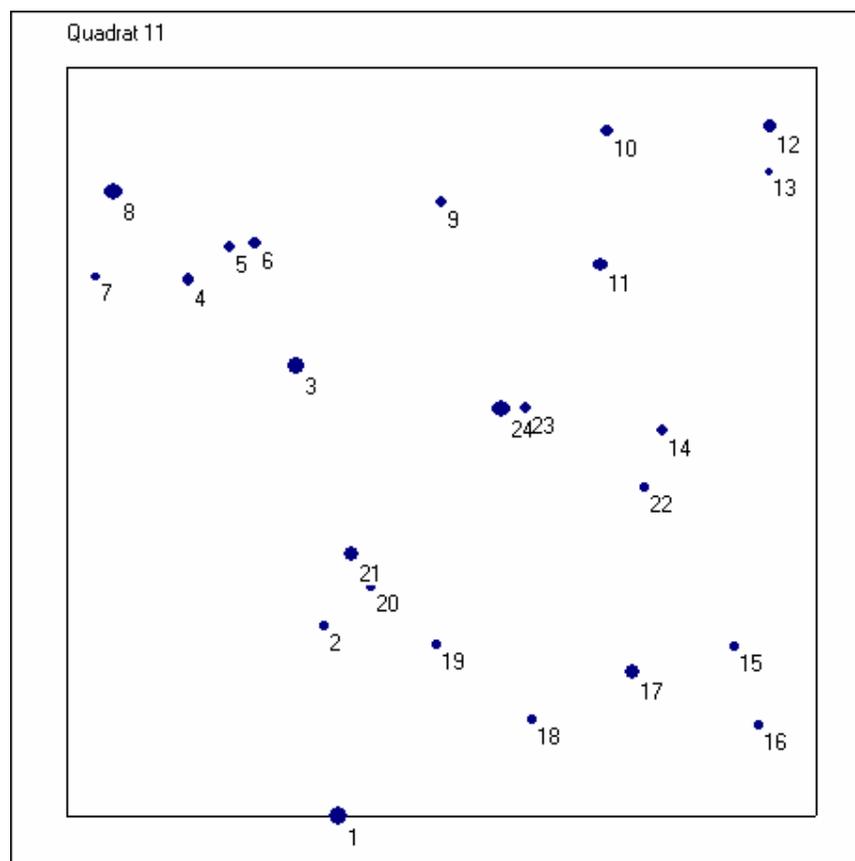
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	12.11	7.91	13.9	AS	10	HEIPAR	Heisteria parvifolia
2	1	0	5.68	40.8	AS	36	PRIOXY	Priewia oxyphylla
3	1	4.21	5.29	33.8	AS	26	ISOHEX	Isolona hexaloba
4	1	4.64	8.66	21.3	AS	14	HEIPAR	Heisteria parvifolia
5	1	0	14.03	31.8	AS	18	SORSP	Sorindeia sp
6	1	2.99	18.39	18.1	AS	16	DACEDU	Dacryodes edulis
7	1	4.79	20	24.7	AS	28	DACEDU	Dacryodes edulis
8	1	1.82	18.49	13	AS	19	PAUMAC	Pausinystalia macrocarpa
9	1	8.68	17.6	11.6	AS	19	ANOKLA	Anopyxis klaineana
10	1	10.33	19.22	10.1	AS	8	SCABLA	Scaphopetalum blackii
11	1	14.01	17.2	10.8	AS	5	CENGLA	Centropetalum glaucinus
12	1	3.4	15.74	14.8	AS	6	ANNMAN	Annonidium manni
13	1	20	9.47	17.6	DS	18	INDET	
14	1	20	7.04	13.2	AS	15	GAREPU	Garcinia epunctata
15	1	20	6.64	34.6	AS	14	ANISP3	Anisophyllea sp. 3
16	1	15.8	0	39.1	DS	14	INDET	
17	1	14.28	5.69	17.6	AS	12	PRIOXY	Priewia oxyphylla
18	1	11.48	3.92	40	AS	26	KLAGAB	Klaineanthus gabonae
19	1	9.24	0	40.5	AS	18	GARSP	Garcinia sp.
20	1	8.73	1.37	35	AS	32	SCYKLA	Scytopetalum klaineum
21	1	7.84	0.57	12.4	AS	20	DRYSP	Drypetes sp.

### Quadrat 10



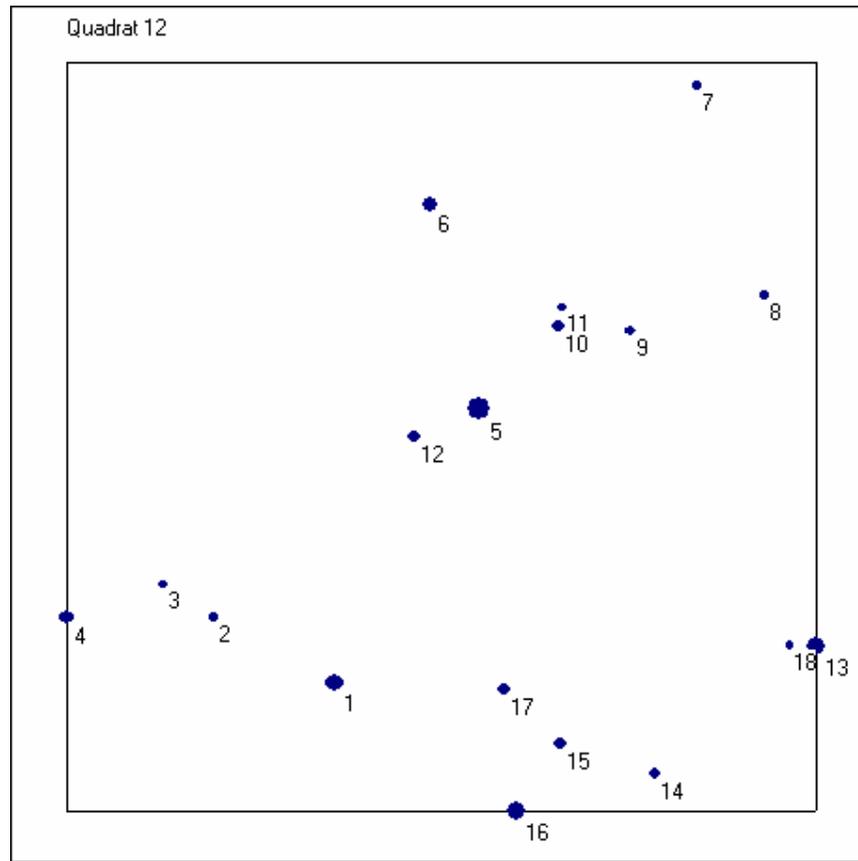
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.34	0	39.8	AS	30	SCOZEN	Scorodophloeus zenkeri
2	1	3.51	2.46	96.6	AS	15	PAUMAC	Pausinystalia macrocarpa
3	1	5.87	3.81	12.2	AS	12	TRIARB	Trichoscypha arborea
4	1	2	4.55	11.7	AS	10	GRESUA	Greenwayodendron suaveolens
5	1	4.66	5.81	11.4	AS	10	KLAGAB	Klaineanthus gabonae
6	1	1.95	8.38	14.8	AS	14	ANISP2	Anisophyllea sp. 2
7	1	2.59	7.98	22.4	AS	18	DIASP	Dialium sp.
8	1	6.53	8.56	75.3	AS	40	PARBIC	Parkia bicolor
9	1	0	13.35	16.5	AS	14	PAUMAC	Pausinystalia macrocarpa
10	1	3.8	12.79	16.5	AS	12	CENGLA	Centropalpus glaucinus
11	1	4.55	14.31	33.3	AS	24	XYLQUI	Xylopia quintasii
12	1	3.48	20	14.8	AS	14	GARSP	Garcinia sp.
13	1	4.24	20	25.1	AS	30	PAUMAC	Pausinystalia macrocarpa
14	1	9.4	20	26.6	AS	25	KLAGAB	Klaineanthus gabonae
15	1	12.71	20	11.2	AS	12	GARSP	Garcinia sp.
16	1	13.69	15.28	12.8	AS	8	SCABLA	Scaphopetalum blackii
17	1	17.35	17.49	22.1	AS	14	HEIPAR	Heisteria parvifolia
18	1	17.58	18.98	36.5	AS	20	HEIPAR	Heisteria parvifolia
19	1	17.26	14.86	51.6	AS	38	GRESUA	Greenwayodendron suaveolens
20	1	13.83	12.92	12.5	AS	10	SCABLA	Scaphopetalum blackii
21	1	17.97	10.2	15.7	AS	16	RHASP	Rhabdophyllum sp
22	1	19.14	4.57	22.3	AS	24	STRTET	Strombosia tetandra
23	1	18.81	2.97	43.2	AS	36	KLAGAB	Klaineanthus gabonae
24	1	12.94	0	14.5	AS	12	ANNMAN	Annonidium manni
25	1	10.73	0	18.2	AS	18	DACEDU	Dacryodes edulis
26	1	7.17	0	11.3	AS	16	SCABLA	Scaphopetalum blackii
27	1	7.44	5.41	12.5	AS	20	SCABLA	Scaphopetalum blackii
28	1	9.92	4.99	24.5	AS	24	SCOCOR	Scottellia coriacea
29	1	10.02	6.84	11.6	AS	0	SCABLA	Scaphopetalum blackii

### Quadrat 11



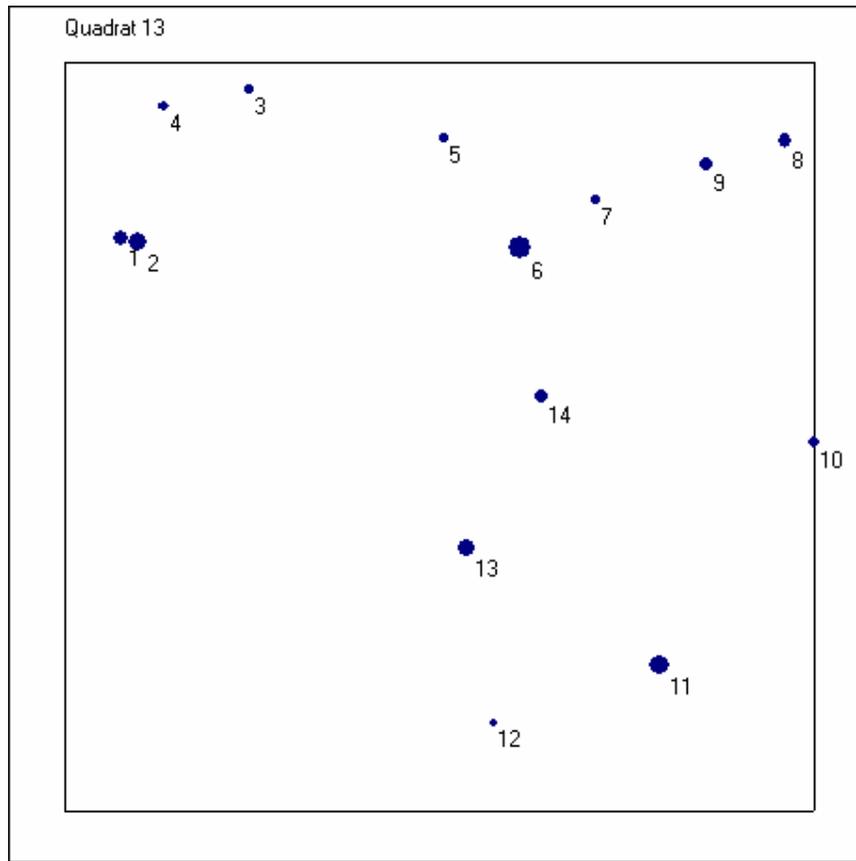
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.25	0	47.2	AS	28	SANTRI	Santiria trimera
2	1	6.89	5.07	11.2	AS	14	RHASP	Rhabdophyllum sp
3	1	6.13	12.03	40	AS	30	PAUMAC	Pausinystalia macrocarpa
4	1	3.25	14.31	24.5	AS	20	DIOZEN	Diospyros zenkeri
5	1	4.34	15.21	20.3	AS	19	SANTRI	Santiria trimera
6	1	5.02	15.31	22.4	AS	18	DACEDU	Dacryodes edulis
7	1	0.78	14.4	11.6	AS	9	SCABLA	Scaphopetalum blackii
8	1	1.25	16.67	50.5	AS	34	DACMAC	Dacryodes macrophylla
9	1	10	16.4	17.9	AS	15	PANPED	Pancovia pedicellaris
10	1	14.43	18.3	23.2	AS	18	SCOZEN	Scorodophloeus zenkeri
11	1	14.26	14.71	29.2	AS	22	DACSP	Dacryodes sp.
12	1	18.78	18.41	26.2	AS	18	GARSP	Garcinia sp.
13	1	18.76	17.21	10.9	AS	14	DRYSP	Drypetes sp.
14	1	15.92	10.28	18.4	AS	22	KLAGAB	Klaineanthus gabonae
15	1	17.83	4.53	11.4	AS	14	AFRLEP	Afrostryrax lepidophyllus
16	1	18.48	2.41	11.3	AS	15	HEIPAR	Heisteria parvifolia
17	1	15.09	3.87	35	AS	26	STRTET	Strombosia tetandra
18	1	12.43	2.57	12.5	AS	15	ANISP2	Anisophyllea sp. 2
19	1	9.87	4.57	11.1	AS	14	ANISP2	Anisophyllea sp. 2
20	1	8.13	6.14	11.1	AS	16	DACEDU	Dacryodes edulis
21	1	7.59	6.99	31.5	AS	26	SANTRI	Santiria trimera
22	1	15.43	8.77	10.2	AS	14	DACEDU	Dacryodes edulis
23	1	12.25	10.89	21.2	AS	22	DACEDU	Dacryodes edulis
24	1	11.59	10.88	49.6	AS	35	PARBIC	Parkia bicolor

## Quadrat 12



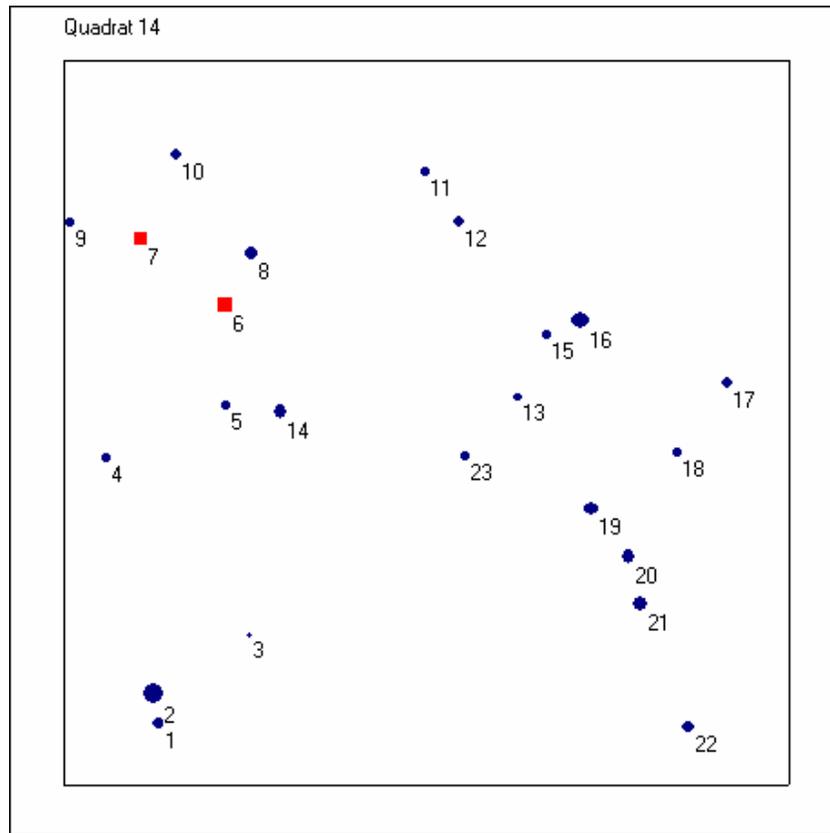
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.15	3.43	48	AS	35	SYZSP	Syzygium sp
2	1	3.91	5.16	15.1	AS	20	TRISP	Tricalysia sp.
3	1	2.59	6.04	10.9	AS	18	STRPUS	Strombosia pustulata
4	1	0	5.17	27.5	AS	22	GRESUA	Greenwayodendron suaveolens
5	1	11.02	10.74	79.8	AS	32	COUEDU	Coula edulis
6	1	9.7	16.19	30.4	AS	28	COUEDU	Coula edulis
7	1	16.82	19.38	15.2	AS	12	DIAPAC	Dialium pachyphyllum
8	1	18.62	13.78	14	AS	8	ERIMAC	Eriocoelum macrocarpum
9	1	15.05	12.81	13.9	AS	10	HEIPAR	Heisteria parvifolia
10	1	13.12	12.97	21.6	AS	16	HEIPAR	Heisteria parvifolia
11	1	13.22	13.45	10.8	AS	12	ALLSP	Allophyllus sp
12	1	9.26	9.99	23.5	AS	17	HEIPAR	Heisteria parvifolia
13	1	20	4.39	58.6	AS	28	PENEDT	Pentaclethra edtveldiana
14	1	15.69	1.02	21.1	AS	10	DIOZEN	Diospyros zenkeri
15	1	13.17	1.79	24.3	AS	24	STRPUS	Strombosia pustulata
16	1	12.02	0	55.1	AS	38	PRIOXY	Priewia oxyphylla
17	1	11.67	3.24	22.8	AS	17	STRTET	Strombosia tetandra
18	1	19.3	4.43	10	AS	15	ANISPI	Anisophyllea sp. 1

### Quadrat 13



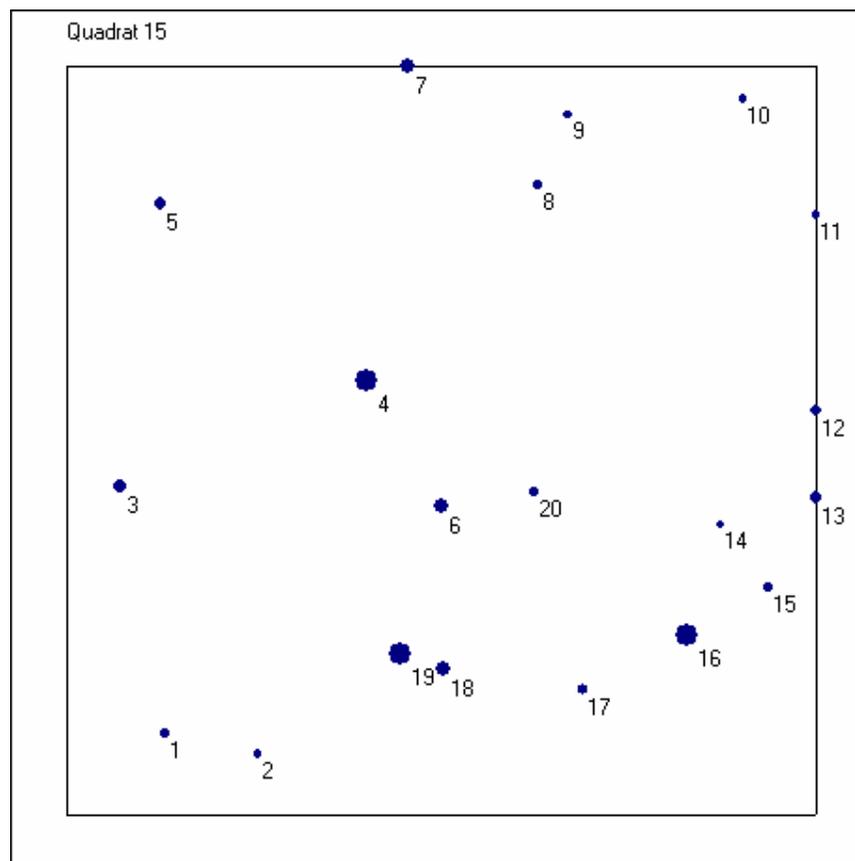
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.48	15.31	36	AS	30	CARSP	Carapa sp
2	1	1.97	15.22	52.5	AS	32	SCOZEN	Scorodophloeus zenkeri
3	1	4.94	19.28	13.9	AS	14	ERISP	Eriocoelum sp.
4	1	2.65	18.84	15.2	AS	16	STRPUS	Strombosia pustulata
5	1	10.11	17.96	11.1	AS	8	SCABLA	Scaphopetalum blackii
6	1	12.14	15.06	73.3	AS	35	KLAGAB	Klaineanthus gabonae
7	1	14.19	16.32	14	AS	12	CARSP	Carapa sp
8	1	2.1	19.21	27.2	AS	24	STRGRA	Strombosia grandifolia
9	1	2.73	17.11	27.3	AS	22	DACEDU	Dacryodes edulis
10	1	20	9.85	17.2	AS	10	ANISP2	Anisophyllea sp. 2
11	1	15.88	3.9	63.5	AS	26	DIOZEN	Diospyros zenkeri
12	1	11.44	2.34	10.1	AS	12	RUBINDET	Rubiaceae
13	1	10.72	7.03	47	AS	30	COUEDU	Coula edulis
14	1	12.73	11.08	31.8	AS	28	BEISP	Beilschmiedia sp

### Quadrat 14



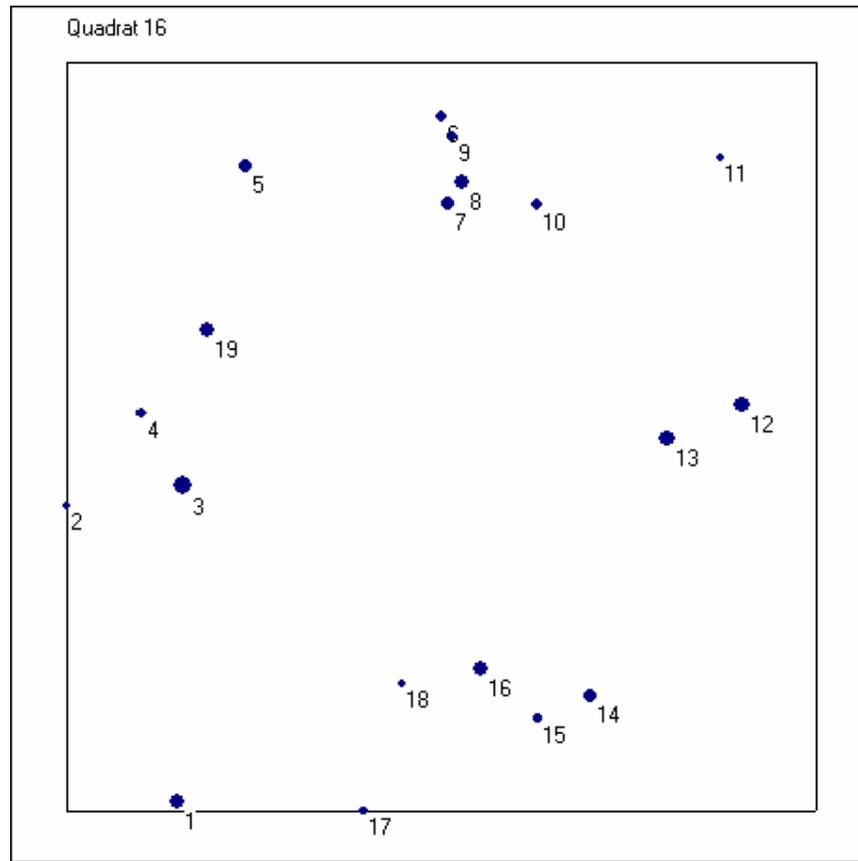
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.61	1.71	24.2	AS	20	DACSP	Dacryodes sp.
2	1	2.5	2.51	66.5	AS	30	UAPGUI	Uapaca guineensis
3	1	5.13	4.13	6.55	AS	15.4	SCABLA	Scaphopetallum blackii
4	1	1.17	9.03	12.7	AS	8	PENEDT	Pentaclethra edtveldiana
5	1	4.45	10.5	12.7	AS	8	SCABLA	Scaphopetallum blackii
6	1	4.45	13.24	17.5	AS	18	DIASP	Dialium sp.
6	2	4.45	13.24	15.8	AS	15	DIASP	Dialium sp.
6	3	4.45	13.24	18.5	AS	15	DIASP	Dialium sp.
7	1	2.11	15.09	10.5	AS	15	TRICHSP	Trichoscypha sp.
7	2	2.11	15.09	15.8	AS	15	TRICHSP	Trichoscypha sp.
7	3	2.11	15.09	18.5	AS	15	TRICHSP	Trichoscypha sp.
8	1	5.19	14.69	24.9	AS	20	DACEDU	Dacryodes edulis
9	1	0.17	15.54	11.4	AS	10	DACEDU	Dacryodes edulis
10	1	3.11	17.4	17.4	AS	14	SANTRI	Santiria trimera
11	1	9.97	16.91	11.4	AS	9	SCABLA	Scaphopetallum blackii
12	1	10.91	15.56	18.7	AS	22	SANTRI	Santiria trimera
13	1	12.53	10.7	11.6	AS	6	ANNMAN	Annonidium mannii
14	1	5.97	10.29	32.3	AS	26	DACEDU	Dacryodes edulis
15	1	13.32	12.41	11.8	AS	8	SINLET	Sinderopsis letestui
16	1	14.25	12.81	46.3	AS	38	PRISP	Priewia sp.
17	1	18.31	11.09	18.7	AS	15	TRICHSP	Trichoscypha sp.
18	1	16.93	9.17	10.7	AS	12	GARSP	Garcinia sp.
19	1	14.55	7.63	32.1	AS	14	HEIPAR	Heisteria parvifolia
20	1	15.58	6.29	30.5	AS	18	SANTRI	Santiria trimera
21	1	15.89	5.01	37.2	AS	28	SANTRI	Santiria trimera
22	1	17.21	1.6	23.2	AS	15	DACEDU	Dacryodes edulis
23	1	11.05	9.06	12.7	AS	12	SINLET	Sinderopsis letestui

### Quadrat 15



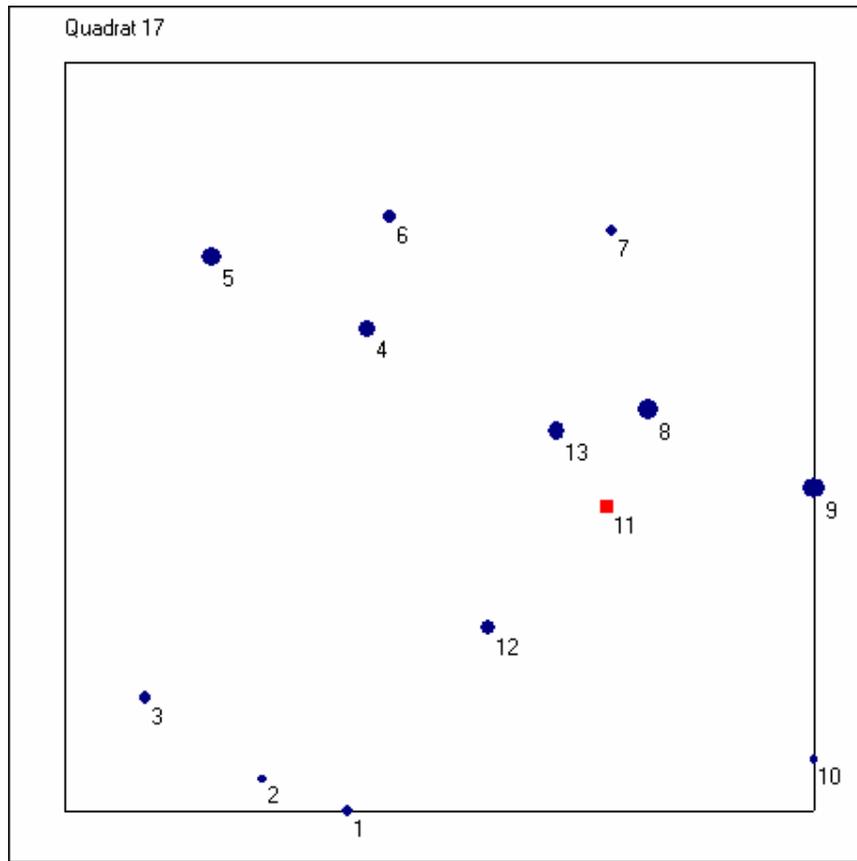
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.62	2.19	12.2	AS	8	HOMSP	Homalium sp.
2	1	5.1	1.62	10	AS	5	HEIPAR	Heisteria parvifolia
3	1	1.44	8.78	29.8	AS	18	COUEDU	Coula edulis
4	1	8	11.6	79.5	AS	30	PENEDT	Pentaclethra edtveldiana
5	1	2.5	16.32	23	AS	28	SINLET	Sinderopsis letestui
6	1	10	8.24	37.5	AS	25	SANTRI	Santiria trimera
7	1	9.1	20	36.4	AS	23	DACEDU	Dacryodes edulis
8	1	12.58	16.84	12.9	AS	7	GRESUA	Greenwayodendron suaveolens
9	1	13.38	18.71	10.7	AS	12	HEIPAR	Heisteria parvifolia
10	1	18.06	19.11	11.5	AS	14	PAUMAC	Pausinystalia macrocarpa
11	1	20	16.04	11.3	AS	23	DICGLA	Dichostemma glaucescens
12	1	20	10.79	16.3	AS	20	PENEDT	Pentaclethra edtveldiana
13	1	20	8.46	23.9	AS	13	DACEDU	Dacryodes edulis
14	1	17.44	7.75	10.5	AS	12	CENGLA	Centropelacus glaucinus
15	1	18.7	6.07	12.7	AS	30	ANNMAN	Annonidium manni
16	1	16.54	4.79	81.6	AS	30	AUCKLA	Aucoumea klaineana
17	1	13.79	3.35	14.4	DS	19	INDET	
18	1	10.06	3.88	35.5	AS	30	SCYKLA	Scytopetalum klaineum
19	1	8.91	4.31	87.5	AS	34	UAPGUI	Uapaca guineensis
20	1	12.49	8.61	12.5	AS	16	CENGLA	Centropelacus glaucinus

### Quadrat 16



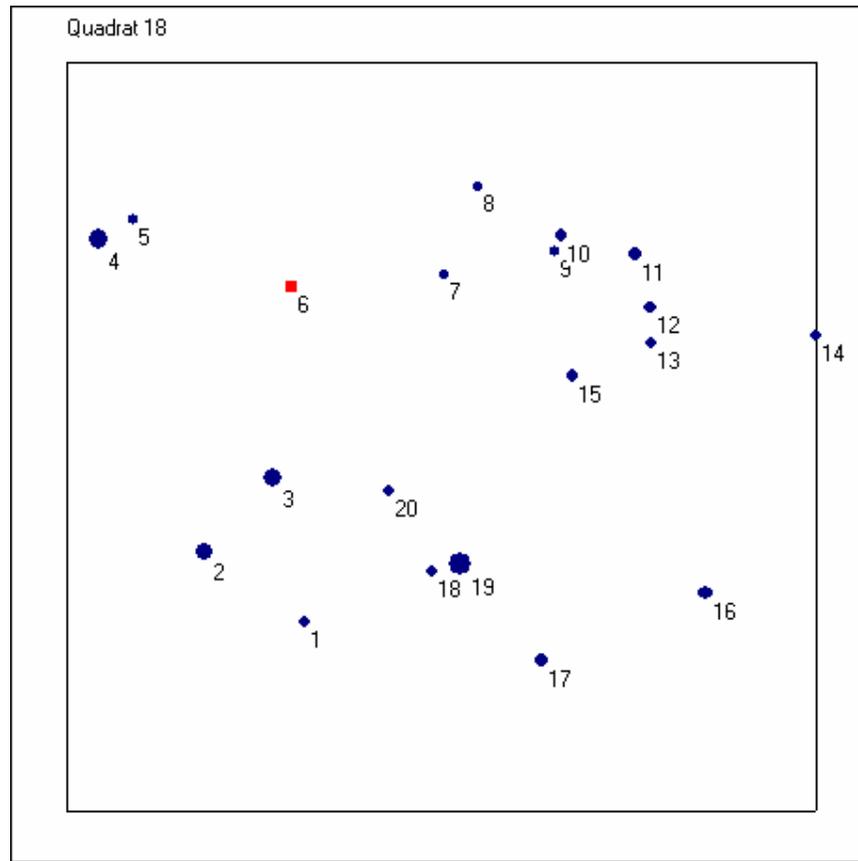
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.93	0.25	32.7	AS	26	DACEDU	Dacryodes edulis
2	1	0	8.14	11.6	AS	10	SCABLA	Scaphopetalum blackii
3	1	3.08	8.69	53.2	AS	18	SCYOCH	Scyphocephalum ochocoa
4	1	1.99	10.62	16.5	AS	15	DIAPAC	Dialium pachyphyllum
5	1	4.77	17.23	24.8	AS	18	SCOZEN	Scorodophloeus zenkeri
6	1	10.01	18.54	20.1	AS	14	GARSP	Garcinia sp.
7	1	10.17	16.24	27.5	AS	15	SANTRI	Santiria trimera
8	1	10.55	16.8	30.3	AS	17	SANTRI	Santiria trimera
9	1	10.29	18.03	15.4	AS	17	KLAGAB	Klaineanthus gabonae
10	1	12.53	16.19	19	AS	14	STRSCH	Strombosia scheffleri
11	1	17.44	17.45	10.8	AS	5	SCABLA	Scaphopetalum blackii
12	1	18.04	10.85	43.4	AS	30	BEISP	Beilschmiedia sp
13	1	16.02	9.95	43.4	AS	20	DIOZEN	Diospyros zenkeri
14	1	0	0	29.8	AS	26	SANTRI	Santiria trimera
15	1	0	0	15.5	AS	10	BERSP	Berlinia sp
16	1	11.04	3.8	35.9	AS	21	STRSER	Strombosiosis serenii
17	1	7.94	0	11.8	AS	14	DACEDU	Dacryodes edulis
18	1	8.96	3.41	11.1	AS	15	DIOZEN	Diospyros zenkeri
19	1	3.76	12.86	35.4	AS	30	PENEDT	Pentaclethra edtveldiana

### Quadrat 17



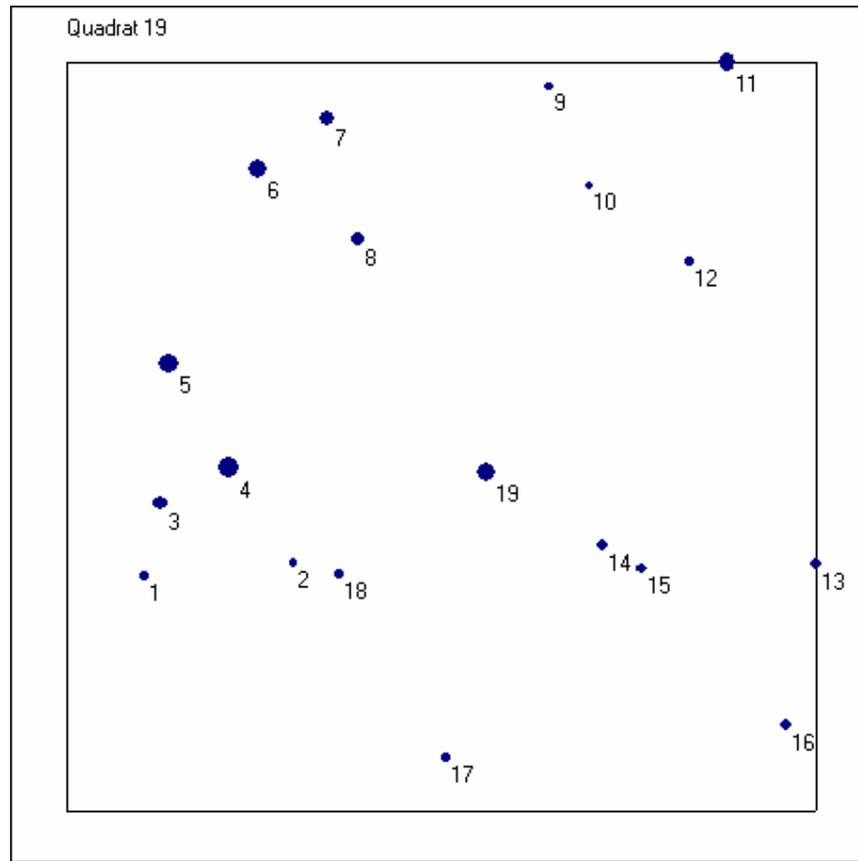
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.54	0	20.2	AS	22	DIAPAC	Dialium pachyphyllum
2	1	5.27	0.85	11.2	AS	5	SCABLA	Scaphopetallum blackii
3	1	2.13	3.03	21	AS	18	BERSP	Berlinia sp
4	1	8.08	12.87	37.2	AS	14	HEIPAR	Heisteria parvifolia
5	1	3.92	14.81	61.5	AS	30	DACMAC	Dacryodes macrophylla
6	1	8.65	15.85	26.6	AS	26	GRESUA	Greenwayodendron suaveolens
7	1	14.6	15.51	19.7	AS	18	PICNIT	Picalima nitida
8	1	15.56	10.72	68.9	AS	31	SCABLA	Scaphopetallum blackii
9	1	20	8.61	68.9	AS	31	KLAGAB	Klaineanthus gabonae
10	1	20	1.4	12.1	AS	8	DACSP	Dacryodes sp.
11	1	14.49	8.13	19.2	AS	12	ANISPI	Anisophyllea sp. 1
11	2	14.49	8.13	14.6	AS	12	ANISPI	Anisophyllea sp. 1
12	1	11.29	4.88	37.6	AS	14	DACMAC	Dacryodes macrophylla
13	1	13.12	10.14	52.5	AS	36	SCOZEN	Scorodophloeus zenkeri

## Quadrat 18



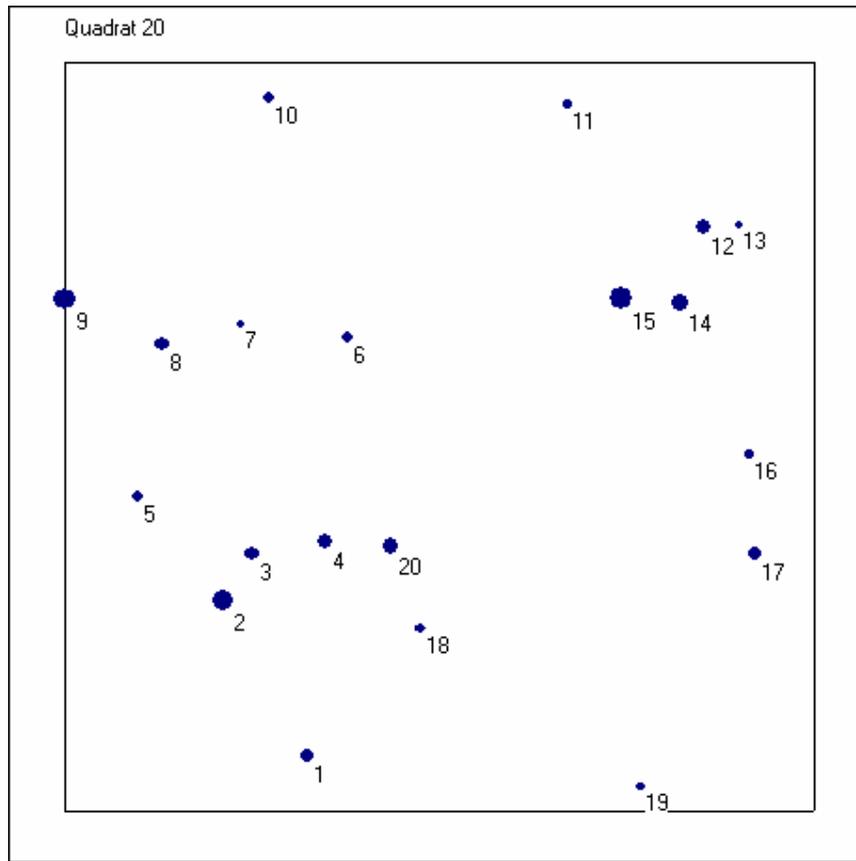
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.35	5.05	23.1	AS	25	SYZSP	Syzygium sp
2	1	3.69	6.91	41.3	AS	30	STRPUS	Strombosia pustulata
3	1	5.52	8.91	56.6	AS	35	KLAGAB	Klaineanthus gabonae
4	1	0.85	15.29	63	AS	40	SANTRI	Santiria trimera
5	1	1.77	15.79	18.8	AS	22	GARSP	Garcinia sp.
6	1	5.98	14	17	AS	8	ANNMAN	Annonidium mannii
6	2	5.98	14	12.8	AS	8	ANNMAN	Annonidium mannii
7	1	10.09	14.33	16.3	AS	12	ERIMAC	Eriocoelum macrocarpum
8	1	10.95	16.65	12.9	AS	10	STRTET	Strombosia tetandra
9	1	13.02	14.94	15.6	AS	16	GRECOR	Grewia coriacea
10	1	13.2	15.38	21.6	AS	18	DACEDU	Dacryodes edulis
11	1	15.17	14.88	28.9	AS	25	DACMAC	Dacryodes macrophylla
12	1	15.57	13.45	25.8	AS	24	XYLSTA	Xylophia staudtii
13	1	15.59	12.5	17.5	AS	18	DIOZEN	Diospyros zenkeri
14	1	20	12.69	20.3	AS	16	HEIPAR	Heisteria parvifolia
15	1	13.5	11.63	22.2	AS	26	ANOKLA	Anopyxis klaineana
16	1	17.06	5.83	30.2	AS	15	ERIMAC	Eriocoelum macrocarpum
17	1	12.69	4.03	24.8	AS	12	ANNMAN	Annonidium mannii
18	1	9.75	6.4	17.9	AS	10	MEMSP	Memecylon sp
19	1	10.48	6.61	77.6	AS	26	SCOZEN	Scorodophloeus zenkeri
20	1	8.59	8.57	20.2	AS	20	DIOZEN	Diospyros zenkeri

### Quadrat 19



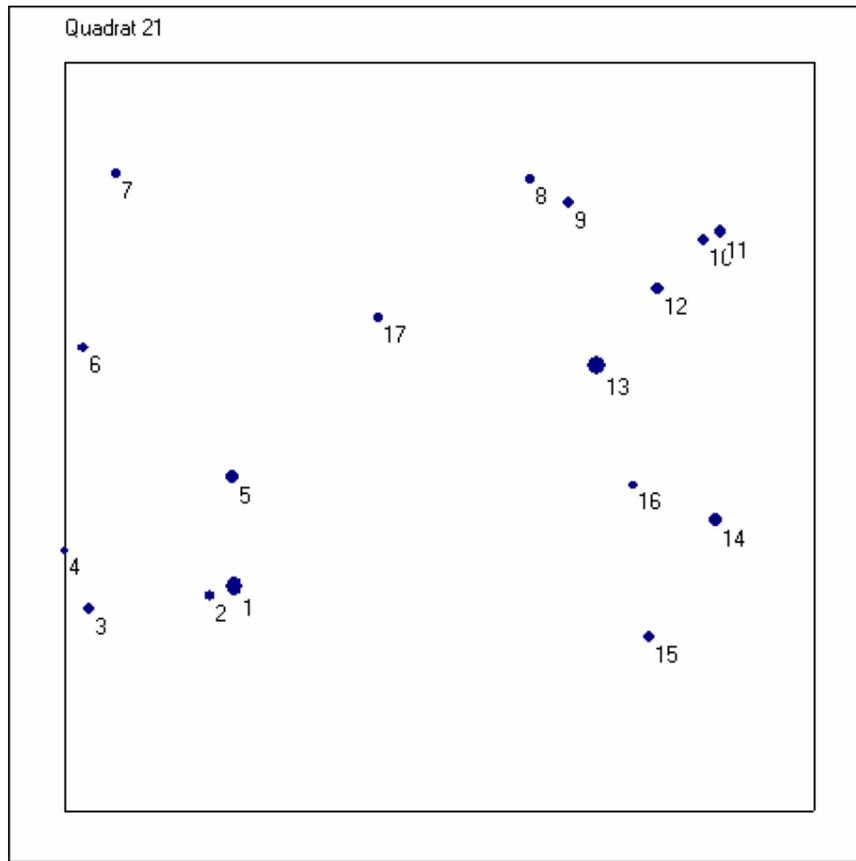
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.08	6.25	12.5	AS	12	PICNIT	Picalima nitida
2	1	6.05	6.64	12.2	AS	13	PANPED	Pancovia pedicellaris
3	1	2.52	8.22	34.3	AS	18	STRPUS	Strombosia pustulata
4	1	4.32	9.17	67.9	AS	35	FILDIS	Fillaeopsis discophora
5	1	2.73	11.95	60.9	AS	22	DIOZEN	Diospyros zenkeri
6	1	5.1	17.17	55.2	AS	30	BLIWEL	Blighia welwitschii
7	1	6.97	18.51	35.1	AS	32	DACIGA	Dacryodes iganganga
8	1	7.79	15.28	27.8	AS	26	SANTRI	Santiria trimera
9	1	12.87	19.36	11.5	AS	12	DIASP	Dialium sp.
10	1	13.94	16.71	10.1	AS	7	SCABLA	Scaphopetalum blackii
11	1	17.64	20	47.4	AS	27	DACMAC	Dacryodes macrophylla
12	1	16.62	14.66	12.2	AS	6	PANPED	Pancovia pedicellaris
13	1	20	6.6	25.3	AS	22	DACEDU	Dacryodes edulis
14	1	14.3	7.09	24.1	AS	16	OUBSP	Oubanguia sp
15	1	15.36	6.48	16.3	AS	15	BEISP	Beilschmiedia sp
16	1	19.19	2.29	18.9	AS	12	OUBSP	Oubanguia sp
17	1	10.13	1.42	13.1	AS	16	DACSP	Dacryodes sp.
18	1	7.29	6.34	12.3	AS	15	GAREPU	Garcinia epunctata
19	1	11.2	9.04	54.9	AS	24	DIOZEN	Diospyros zenkeri

## Quadrat 20



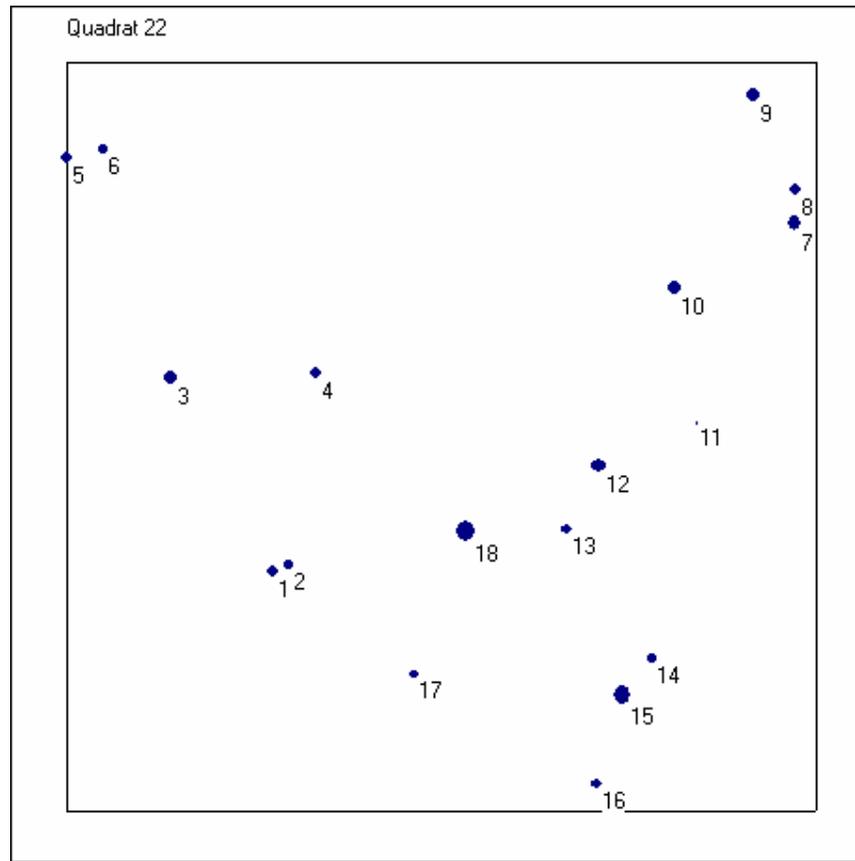
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.47	1.49	23	AS	10	PLASP	Placodiscus sp
2	1	4.23	5.61	64.5	AS	40	PREOXY	
3	1	5	6.87	30	AS	19	DACMAC	Dacryodes macrophylla
4	1	6.97	7.2	37.1	AS	28	SANTRI	Santiria trimera
5	1	1.93	8.4	18	AS	24	DACEDU	Dacryodes edulis
6	1	7.54	12.64	17.2	AS	18	CLEISP	Cleistanthus sp
7	1	4.7	12.99	10	AS	12	KLAGAB	Klaineanthus gabonae
8	1	2.6	12.49	29.5	AS	36	SCOZEN	Scorodophloeus zenkeri
9	1	0	13.67	67.6	AS	35	ZANHEI	Zanthoxylum heitzii
10	1	5.46	19.07	17.9	AS	21	KLAGAB	Klaineanthus gabonae
11	1	13.43	18.88	11.1	AS	13	CHYSP	Chytranthus sp
12	1	17.06	15.6	31	AS	23	SANTRI	Santiria trimera
13	1	17.99	15.65	10.4	AS	13	PAUMAC	Pausinystalia macrocarpa
14	1	16.42	13.57	46.6	AS	28	GARSP	Garcinia sp.
15	1	14.85	13.69	76.9	AS	40	TRICHSP	Trichoscypha sp.
16	1	18.29	9.52	13.2	AS	13	SCABLA	Scaphopetalum blackii
17	1	18.43	6.89	27.9	AS	18	DACEDU	Dacryodes edulis
18	1	9.49	4.87	15.6	AS	18	CENGLA	Centroplocus glaucinus
19	1	15.36	0.65	10.9	AS	14	STRPUS	Strombosia pustulata
20	1	8.7	7.07	43.6	DS	27	INDET	

## Quadrat 21



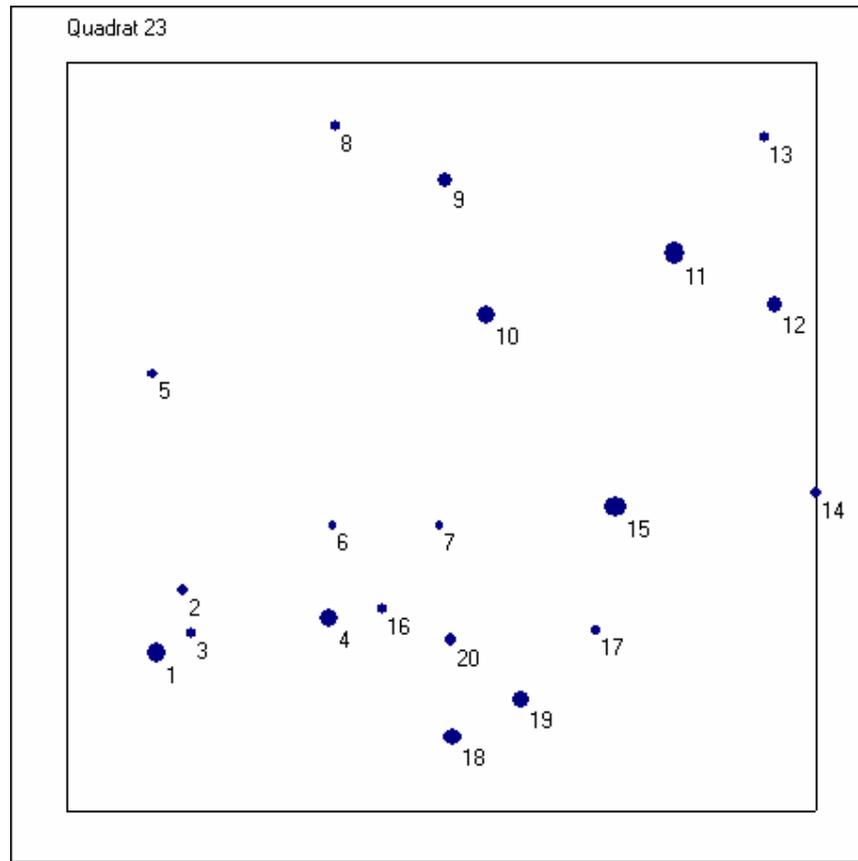
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.52	5.98	54.4	AS	30	DACEDU	Dacryodes edulis
2	1	3.88	5.75	15.7	AS	20	DACEDU	Dacryodes edulis
3	1	0.66	5.41	18.5	AS	15	HEIPAR	Heisteria parvifolia
4	1	0	6.94	10.8	AS	12	SYNSP	Synsepalum sp
5	1	4.49	8.91	23.8	AS	18	TRIABU	Trichoscypha abut
6	1	0.51	12.36	14.7	AS	7	ANISP2	Anisophyllea sp. 2
7	1	1.36	17.01	13	AS	9	BARFIS	Barteria fistulosa
8	1	12.44	16.86	13.9	AS	12	SANTRI	Santiria trimera
9	1	13.45	16.26	21.2	AS	18	PENMAC	Pentaclethra macrophylla
10	1	17.06	15.27	17.6	AS	16	STRSCH	Strombosia scheffleri
11	1	17.51	15.47	22.7	AS	15	TRIABU	Trichoscypha abut
12	1	15.81	13.95	23.5	AS	18	DACEDU	Dacryodes edulis
13	1	14.2	11.89	50.5	AS	34	DIABIP	Dialum bipindense
14	1	17.39	7.78	26.4	AS	24	SANTRI	Santiria trimera
15	1	15.59	4.66	21.2	AS	16	TRIABU	Trichoscypha abut
16	1	15.17	8.7	10.7	AS	7	PAUSP	Pauridiantha sp
17	1	8.37	13.18	12.9	AS	14	SYNSP	Synsepalum sp

## Quadrat 22



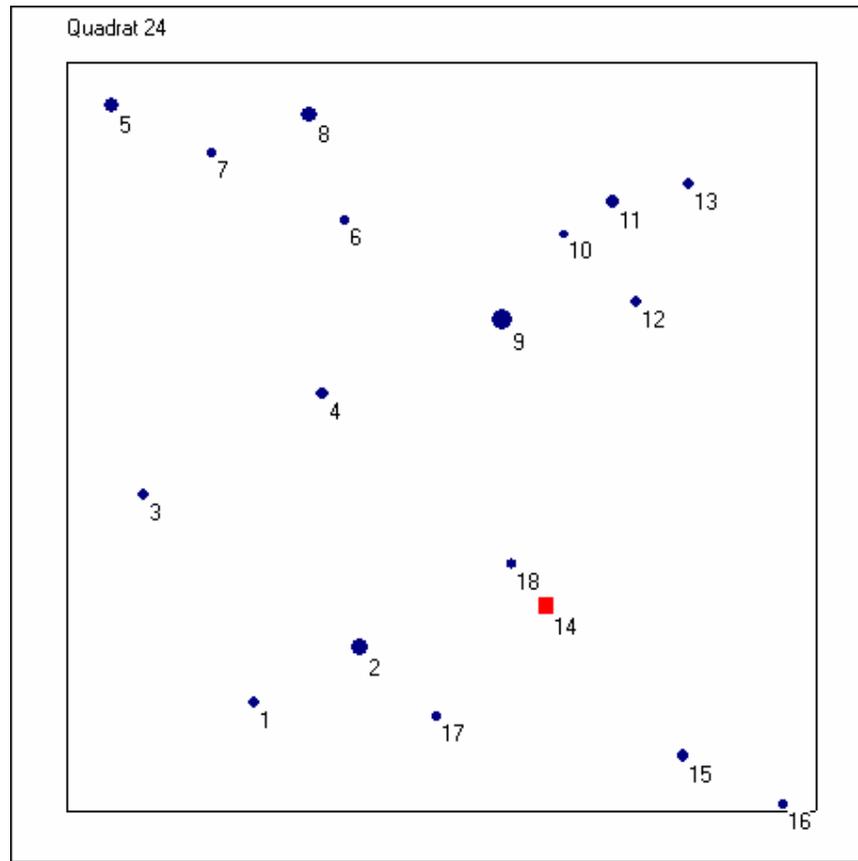
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.49	6.4	23.2	AS	20	AFRLEP	Afrostryrax lepidophyllus
2	1	5.94	6.59	14.3	AS	20	SCOZEN	Scorodophloeus zenkeri
3	1	2.79	11.59	26.4	AS	15	PENEDT	Pentaclethra edtveldiana
4	1	6.67	11.71	18.2	AS	15	PLAAFR	Plagiostyles africana
5	1	0	17.45	15.2	AS	17	SORNIT	Sorindeia nitidula
6	1	0.97	17.68	15.1	AS	18	DIAPAC	Dialium pachyphyllum
7	1	19.42	15.7	30.3	AS	19	DACMAC	Dacryodes macrophylla
8	1	19.45	16.6	14.4	AS	14	DRYSP	Drypetes sp.
9	1	18.34	19.15	25.6	AS	15	HEIPAR	Heisteria parvifolia
10	1	16.23	13.98	26.9	AS	18	HEIPAR	Heisteria parvifolia
11	1	16.86	10.36	79.3	AS	33	PENBUT	Pentadesma butyracea
12	1	14.19	9.21	30.5	AS	18	STRGRA	Strombosia grandifolia
13	1	13.36	7.51	15.3	AS	15	DACEDU	Dacryodes edulis
14	1	15.62	4.07	14.4	AS	14	KLAGAB	Klaineanthus gabonae
15	1	14.83	3.1	47.7	AS	28	PENEDT	Pentaclethra edtveldiana
16	1	14.16	0.72	15.2	AS	18	DIAPAC	Dialium pachyphyllum
17	1	9.27	3.65	12.6	AS	14	KLAGAB	Klaineanthus gabonae
18	1	10.65	7.48	57.9	AS	28	PENEDT	Pentaclethra edtveldiana

### Quadrat 23



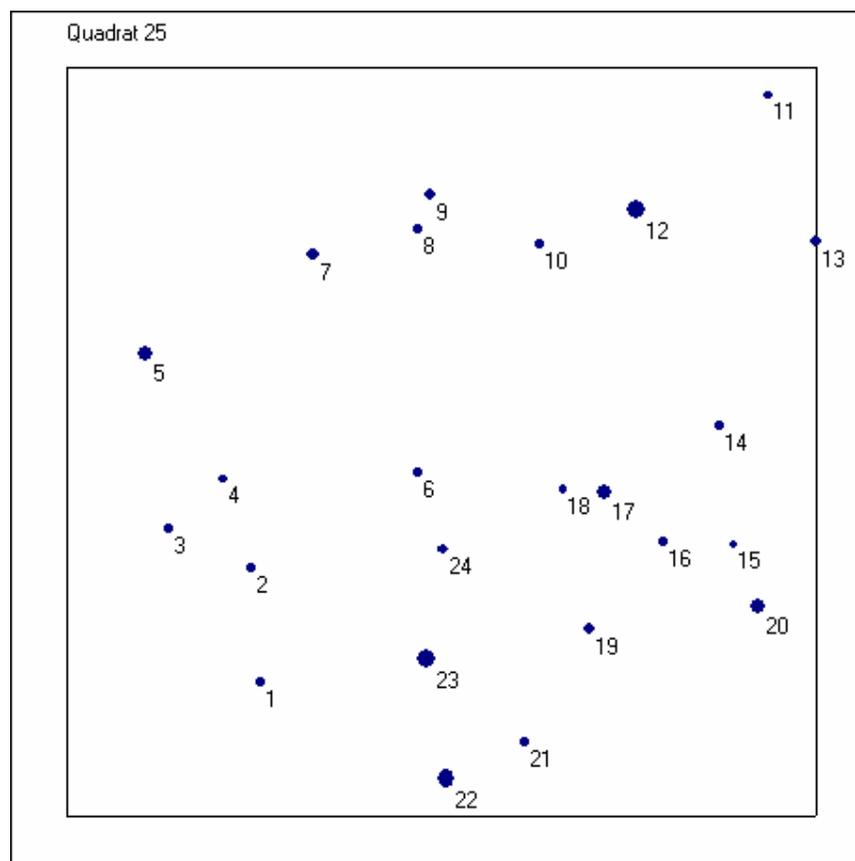
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.4	4.24	59.9	AS	35	DACMAC	Dacryodes macrophylla
2	1	5.36	3.96	22	AS	28	ANNMAN	Annonidium mannii
3	1	7.06	4.75	15.4	AS	20	DIODEN	Diospyros dendo
4	1	7.01	5.13	51.7	AS	32	STRTET	Strombosia tetandra
5	1	2.29	11.67	17.3	AS	17	GRECOR	Grewia coriacea
6	1	7.11	7.64	10.7	AS	9	OCTSP	Octoknema sp.
7	1	9.18	8.28	12.4	AS	10	PAUMAC	Pausinystalia macrocarpa
8	1	7.17	18.3	13.1	AS	5	OUBSP	Oubanguia sp
9	1	10.09	16.84	39.4	AS	21	DIOZEN	Diospyros zenkeri
10	1	11.2	13.23	55.1	AS	30	STRPUS	Strombosia pustulata
11	1	16.23	14.9	68.5	AS	35	PENEDT	Pentaclethra edtveldiana
12	1	20	13.5	38.5	AS	22	ANTSP	Anthonotha sp
13	1	20	18.3	17.5	AS	12	SCOZEN	Scorodophloeus zenkeri
14	1	20	8.52	21	AS	20	DIAPAC	Dialium pachyphyllum
15	1	14.65	8.11	68.5	AS	36	SANTRI	Santiria trimera
16	1	8.43	5.41	14.5	AS	16	COLDUP	Cola duparquetiana
17	1	14.11	4.82	12.5	AS	5	MASACU	Massularia acuminata
18	1	10.3	1.97	15.4	AS	16	SCABLA	Scaphopetalum blackii
19	1	12.12	2.97	48.1	AS	38	PENMAC	Pentaclethra macrophylla
20	1	10.25	4.56	24.9	AS	27	SCOZEN	Scorodophloeus zenkeri

## Quadrat 24



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.98	2.88	18.5	AS	18	INDET	
2	1	7.83	4.38	46.7	AS	30	COUEDU	<i>Coula edulis</i>
3	1	0	7.89	19.5	AS	16	DACEDU	<i>Dacryodes edulis</i>
4	1	6.82	11.15	24.5	AS	10	ANNMAN	<i>Annonidium mannii</i>
5	1	1.2	18.86	32.6	AS	28	SANTRI	<i>Santiria trimera</i>
6	1	7.44	15.75	13.4	AS	11	BEISP	<i>Beilschmiedia</i> sp
7	1	3.87	17.59	11.9	AS	17	DICGLA	<i>Dichostemma glaucescens</i>
8	1	6.02	20	38.2	AS	23	SANTRI	<i>Santiria trimera</i>
9	1	11.61	13.13	65.9	AS	34	CANSCH	<i>Canarium schweinfurthii</i>
10	1	13.28	15.39	10.6	AS	10	PAUMAC	<i>Pausinystalia macrocarpa</i>
11	1	14.58	16.27	24.1	AS	18	DACSP	<i>Dacryodes</i> sp.
12	1	15.2	13.6	24.6	AS	18	IRVGAB	<i>Irvingia gabonensis</i>
13	1	16.6	16.76	21	AS	16	SAPINDET	Sapindaceae
14	1	12.8	5.48	34.3	AS	20	SANTRI	<i>Santiria trimera</i>
14	2	12.8	5.48	15.9	AS	20	SANTRI	<i>Santiria trimera</i>
15	1	16.46	1.47	22.7	AS	18	INDET	
16	1	19.13	0.16	12.6	AS	6	HEIPAR	<i>Heisteria parvifolia</i>
17	1	10.39	0	13.5	AS	10	SCOZEN	<i>Scorodophloeus zenkeri</i>
18	1	11.88	6.6	18.8	AB	14	BEISP	<i>Beilschmiedia</i> sp

## Quadrat 25



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.17	3.58	11.7	AS	8	DIOSP	Diospyros sp.
2	1	4.91	6.63	14	AS	8	SCABLA	Scaphopetalum blackii
3	1	2.74	7.67	12.5	AS	9	SCABLA	Scaphopetalum blackii
4	1	4.17	9	12.5	AS	6	ANNMAN	Annonidium mannii
5	1	2.09	12.35	28.8	AS	15	PLAAFR	Plagiostyles africana
6	1	9.38	9.18	12.9	AS	19	DIASP	Dialium sp.
7	1	6.57	15	22.5	AS	15	SCOZEN	Scorodophloeus zenkeri
8	1	9.36	15.67	13.2	AS	14	PAUMAC	Pausinystalia macrocarpa
9	1	9.68	16.59	19.3	AS	18	GRECOR	Grewia coriacea
10	1	12.64	15.29	12	AS	11	SCABLA	Scaphopetalum blackii
11	1	18.72	19.25	11.1	AS	10	PANPED	Pancovia pedicellaris
12	1	15.21	16.22	54.6	AS	30	GANGIG	Ganophyllum giganteum
13	1	20	15.36	15.9	AS	11	DACEDU	Dacryodes edulis
14	1	17.41	10.44	13.1	AS	12	GRESUA	Greenwayodendron suaveolens
15	1	17.79	7.24	10	AS	5	SCABLA	Scaphopetalum blackii
16	1	15.92	7.35	12.8	AS	14	HEIPAR	Heisteria parvifolia
17	1	14.33	8.64	33.9	AS	26	ANISP2	Anisophyllea sp. 2
18	1	13.25	8.73	11.7	AS	6	SCABLA	Scaphopetalum blackii
19	1	13.93	5	19.5	AS	14	DIOZEN	Diospyros zenkeri
20	1	20	5.5	35.8	AS	22	PLAAFR	Plagiostyles africana
21	1	12.21	1.96	13.9	AS	15	DICGLA	Dichostemma glaucescens
22	1	10.14	1.01	48.1	AS	40	CANSCH	Canarium schweinfurthii
23	1	9.59	4.21	55.2	AS	38	SANTRI	Santiria trimera
24	1	10.05	7.11	13.7	AS	16	DACEDU	Dacryodes edulis

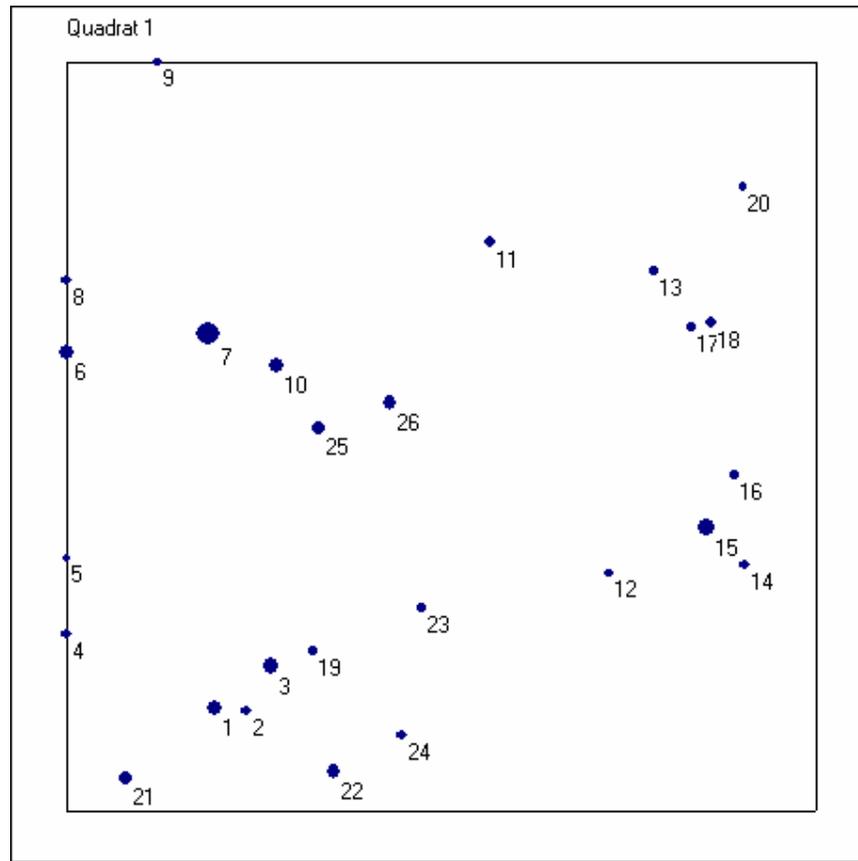
**Plot 9**

**01°14,167' S**  
**011°06,718' E**

**Unlogged forest**

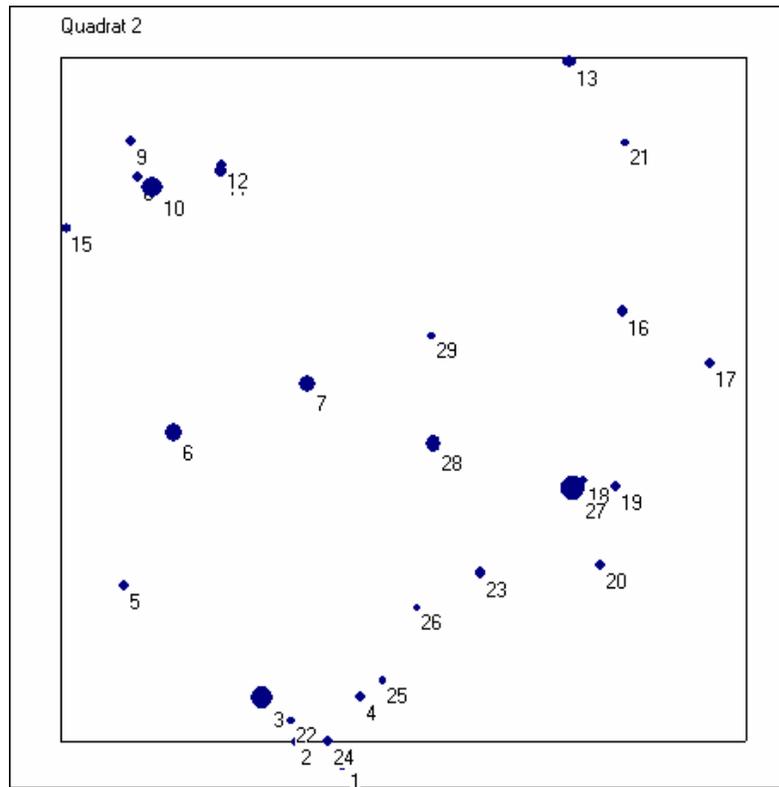
**529m a.s.l.**

## Quadrat 1



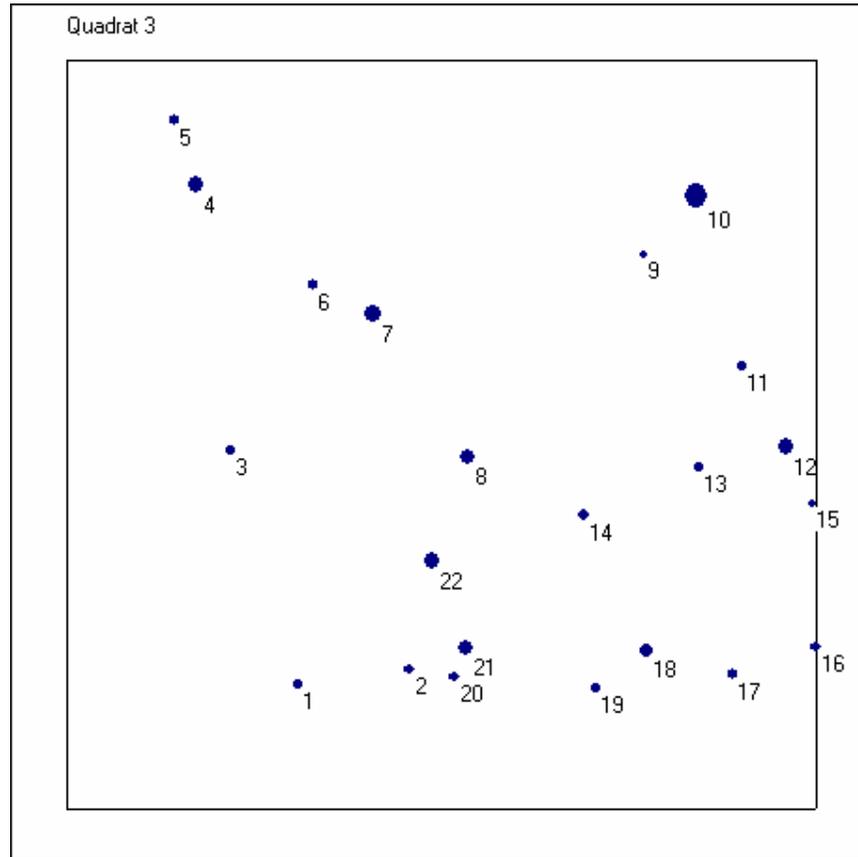
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.96	2.74	38.9	AS	18	COEPRE	Coelocaryon preussii
2	1	4.8	2.68	15.8	AS	8	STRSCH	Strombosia scheffleri
3	1	5.47	3.88	36.9	AS	16	DIOZEN	Diospyros zenkeri
4	1	0	4.74	13.3	AS	10	STRSCH	Strombosia scheffleri
5	1	0	6.75	10.2	AS	10	TRICHSP	Trichoscypha sp.
6	1	0	12.24	28.5	AS	15	SANTRI	Santiria trimera
7	1	3.79	12.74	86.9	AS	30	AUCKLA	Aucoumea klaineana
8	1	0	14.19	13.7	AS	11	PAUMAC	Pausinystalia macrocarpa
9	1	2.44	20	11.9	AS	8	MAESP	Maesobotrya sp.
10	1	5.6	11.91	38.8	AS	25	COEPRE	Coelocaryon preussii
11	1	11.32	15.21	19.6	AS	10	DACEDU	Dacryodes edulis
12	1	14.46	6.35	11.8	AS	12	GAREPU	Garcinia epunctata
13	1	15.67	14.43	12.2	AS	10	DACKLA	Dacryodes klaineana
14	1	18.1	6.57	15.1	AS	11	SORNIT	Sorindeia nitidula
15	1	17.09	7.56	43.9	AS	27	COEPRE	Coelocaryon preussii
16	1	17.84	8.96	13.8	AS	14	DIOSP	Diospyros sp.
17	1	16.67	12.92	14.3	AS	15	SANTRI	Santiria trimera
18	1	17.22	13.04	19.8	AS	17	DACBUE	Dacryodes buettneri
19	1	6.57	4.28	11.5	AS	12	GAREPU	Garcinia epunctata
20	1	18.04	16.66	11.5	AS	10	SANTRI	Santiria trimera
21	1	1.57	0.88	30.1	AS	20	COEPRE	Coelocaryon preussii
22	1	7.12	1.06	30.1	AS	20	DRYSP	Drypetes sp.
23	1	9.48	5.45	13.9	AS	9	DRYSP	Drypetes sp.
24	1	8.94	2.02	15.9	AS	9	SANTRI	Santiria trimera
25	1	6.74	10.24	26	AS	25	SCYOH	Scyphocephalum ochocoa
26	1	8.63	10.91	29.8	AS	27	DACEDU	Dacryodes edulis

## Quadrat 2



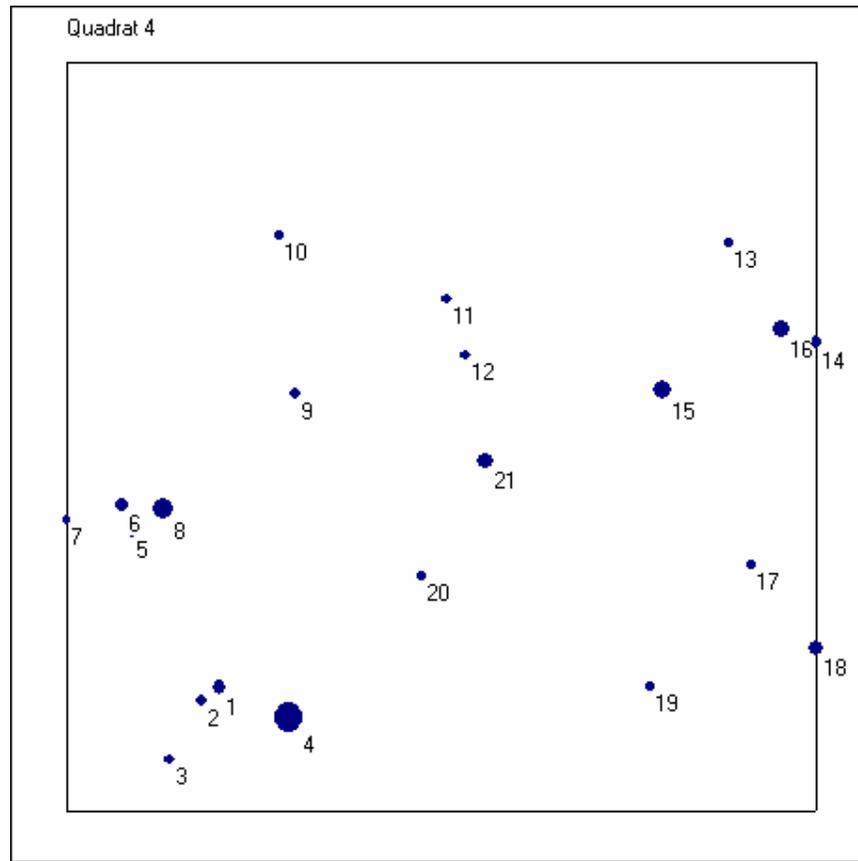
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.22	-0.64	37.2	AS	35	STAKAM	<i>Staudtia kamerunensis</i>
2	1	6.86	-0.02	12.9	AS	15	STRPUS	<i>Strombosia pustulata</i>
3	1	5.87	1.27	96.7	AS	40	AUCKLA	<i>Aucoumea klaineana</i>
4	1	8.74	1.31	20.8	AS	20	DACKLA	<i>Dacryodes klaineana</i>
5	1	1.85	4.56	16.2	AS	30	ANOKLA	<i>Anopyxis klaineana</i>
6	1	3.28	9.02	57.9	AS	40	TETBIF	<i>Tetraberlinia bifoliolata</i>
7	1	7.22	10.44	53.9	AS	30	DACMAC	<i>Dacryodes macrophylla</i>
8	1	2.25	16.5	18.2	AS	25	SCOZEN	<i>Scorodophloeus zenkeri</i>
9	1	2.05	17.55	17.2	AS	15	TREOBO	<i>Treulia obovoidea</i>
10	1	2.66	16.19	88.7	AS	28	AUCKLA	<i>Aucoumea klaineana</i>
11	1	4.68	16.68	31.2	AS	27	SANTRI	<i>Santiria trimera</i>
12	1	4.71	16.84	18.2	AS	15	OCTSPE	<i>Octolobus spectabilis</i>
13	1	14.84	19.88	32.2	AS	28	COEPRE	<i>Coelocaryon preussii</i>
14	1	0.16	15	15.5	AS	17	TRICHSP	<i>Trichoscypha</i> sp.
15	1	0.16	15	15.5	AS	17	DACKLA	<i>Dacryodes klaineana</i>
16	1	16.4	12.58	24.5	AS	26	SANTRI	<i>Santiria trimera</i>
17	1	18.97	11.04	20.7	AS	15	STRGRA	<i>Strombosia grandifolia</i>
18	1	15.27	7.63	17.4	AS	15	CLEISP	<i>Cleistanthus</i> sp.
19	1	16.21	7.46	18.5	AS	25	DANKLA	<i>Daniellia klainei</i>
20	1	15.75	5.16	19.4	AS	25	DIAPAC	<i>Dialium pachyphyllum</i>
21	1	16.49	17.5	10.3	AS	13	DACKLA	<i>Dacryodes klaineana</i>
22	1	6.74	0.59	10.9	AS	15	SANTRI	<i>Santiria trimera</i>
23	1	12.25	4.92	23.9	AS	28	SCOZEN	<i>Scorodophloeus zenkeri</i>
24	1	7.82	0	18.7	AS	18	DACIGA	<i>Dacryodes iganganga</i>
25	1	9.4	1.77	11.2	AS	9	SCABLA	<i>Scaphopetalum blackii</i>
26	1	10.4	3.89	10.1	AS	14	CENGLA	<i>Centroplocus glaucinus</i>
27	1	14.94	7.39	111.2	AS	13	MEMSP	<i>Memecylon</i> sp.
28	1	10.88	8.69	50	AS	40	ANISPI	<i>Anisophyllea</i> sp. 1
29	1	10.83	11.85	10.9	AS	12	STRSCH	<i>Strombosia scheffleri</i>

### Quadrat 3



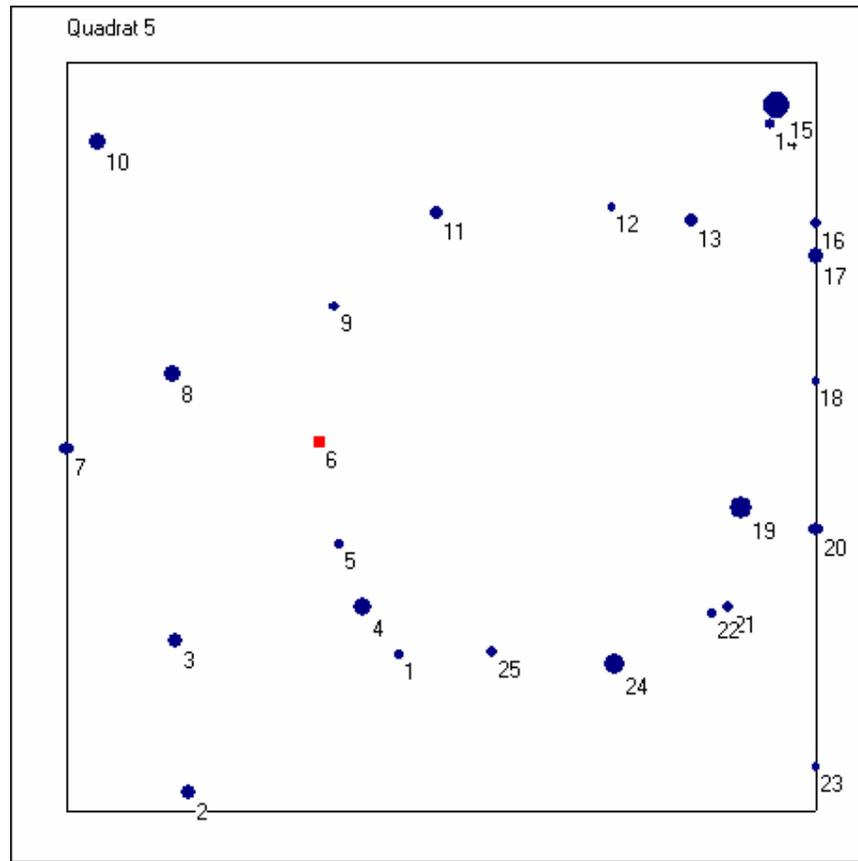
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.18	3.34	11.1	AS	12	SAPINDET	Sapindaceae
2	1	9.15	3.74	14.1	AS	13	DACEDU	Dacryodes edulis
3	1	4.38	9.58	10.5	AS	12	SANTRI	Santiria trimera
4	1	3.44	16.67	36.9	AS	30	SANTRI	Santiria trimera
5	1	2.88	18.39	15.5	AS	17	HYMPEL	Hymenostegia pellegrinii
6	1	6.58	14	14.5	AS	17	DACEDU	Dacryodes edulis
7	1	8.17	13.22	47.5	AS	30	CLEISP	Cleistanthus sp
8	1	10.69	9.42	35.2	AS	27	CLEISP	Cleistanthus sp
9	1	15.39	14.8	10	AS	10	OUBSP	Oubanguia sp
10	1	16.8	16.37	86	AS	40	AUCKLA	Aucoumea klaineana
11	1	18.04	11.84	11.4	AS	16	TETBIF	Tetraberlinia bifoliolata
12	1	19.19	9.66	39.5	DS	22	INDET	
13	1	16.88	9.11	12.6	AS	15	DACEDU	Dacryodes edulis
14	1	13.8	7.84	18.11	AS	11	STRSCH	Strombosia scheffleri
15	1	19.9	8.15	10.1	AS	12	SANTRI	Santiria trimera
16	1	20	4.33	13.3	AS	19	ANOKLA	Anopyxis klaineana
17	1	17.78	3.6	14.8	AS	16	DIAPAC	Dialium pachyphyllum
18	1	15.48	4.23	20.7	AS	27	GRESUA	Greenwayodendron suaveolens
19	1	14.13	3.23	11.6	AS	15	PAUMAC	Pausinystalia macrocarpa
20	1	10.33	3.52	17.7	AS	16	GAREPU	Garcinia epunctata
21	1	10.65	4.3	38.5	AS	35	COEPRE	Coelocaryon preussii
22	1	9.76	6.63	39.3	AS	30	KLAGAB	Klaineanthus gabonae

### Quadrat 4



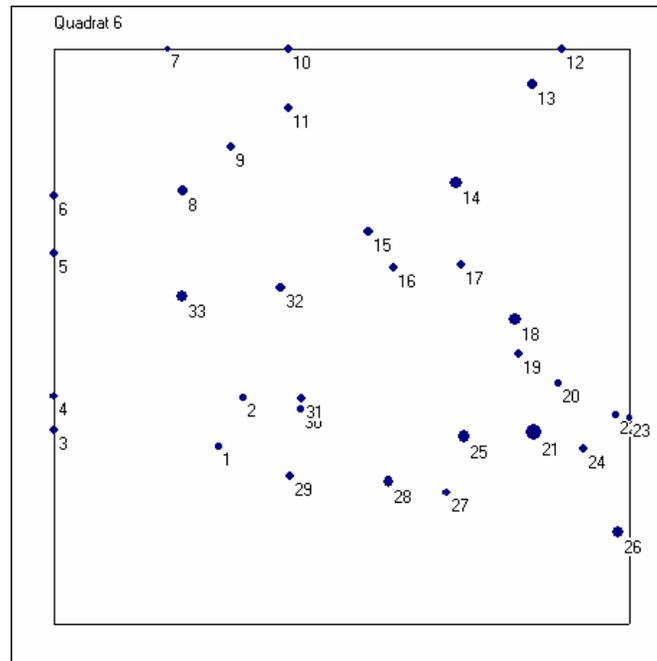
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.09	3.3	30.4	AS	25	SCOZEN	Scorodophleous zenkeri
2	1	3.6	2.95	14.4	AS	20	PANPED	Pancovia pedicellaris
3	1	2.76	1.39	15.4	AS	15	PAUMAC	Pausinystalia macrocarpa
4	1	5.93	2.5	138.5	AS	40	AUCKLA	Aucoumea klaineana
5	1	1.75	7.41	12.4	AS	16	PANPED	Pancovia pedicellaris
6	1	1.49	8.16	25.9	AS	30	SCYKLA	Scytopetalum klaineum
7	1	0	7.76	10.2	AS	8	MICSP	Microdesmis sp.
8	1	2.55	8.09	67.3	AS	35	PENEDT	Pentaclethra edtveldiana
9	1	6.11	11.15	17.3	AS	14	AUBSP	Aubrevillea sp
10	1	5.67	15.39	15.6	AS	17	CENGLA	Centropetalum glaucinus
11	1	10.14	13.68	15.5	AS	25	SCYKLA	Scytopetalum klaineum
12	1	10.64	12.17	17.1	AS	14	PAUMAC	Pausinystalia macrocarpa
13	1	17.67	15.18	14	AS	13	CLEISP	Cleistanthus sp
14	1	20	12.54	26.4	AS	28	SANTRI	Santiria trimera
15	1	15.9	11.25	54.6	AS	35	PENEDT	Pentaclethra edtveldiana
16	1	19.09	12.85	45	AS	35	COEPRE	Coelocaryon preussii
17	1	18.26	6.59	11.9	AS	15	CLEISP	Cleistanthus sp
18	1	20	4.34	28.7	AS	28	ERIMAC	Eriocoelum macrocarpum
19	1	15.57	3.31	14.6	AS	15	CLEISP	Cleistanthus sp
20	1	9.46	6.27	13.4	AS	12	STRSCH	Strombosia scheffleri
21	1	11.18	9.35	37.5	AS	30	DIAPAC	Dialium pachyphyllum

## Quadrat 5



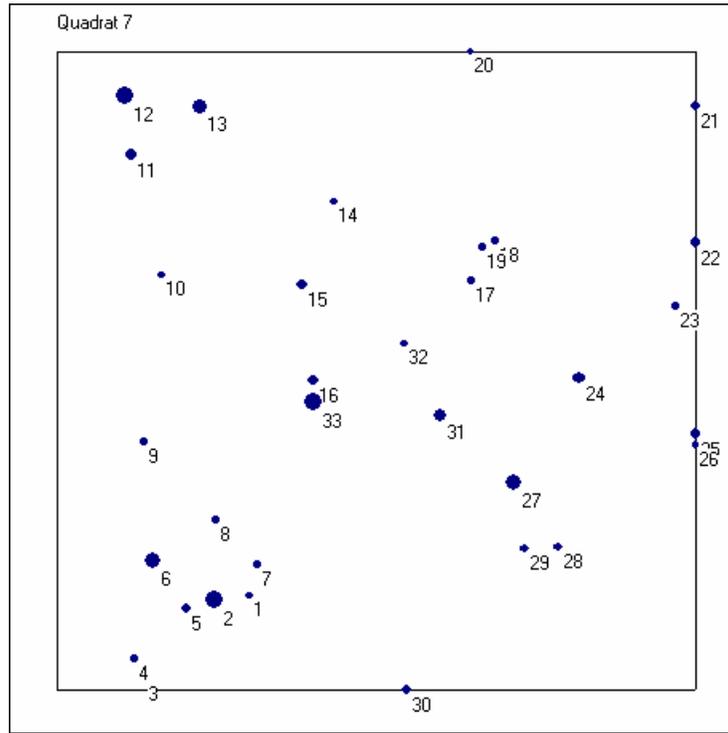
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.88	4.17	15.5	AS	16	CENGLA	Centropolacus glaucinus
2	1	3.26	0.5	30.7	AS	25	DACMAC	Dacryodes macrophylla
3	1	2.9	4.56	35.2	AS	27	TETBIF	Tetraberlinia bifoliolata
4	1	7.89	5.47	53.5	AS	35	PENEDT	Pentaclethra edtveldiana
5	1	7.28	7.12	10.6	AS	14	PAUSP	Pauridiantha sp
6	1	6.74	9.86	17.8	AS	17	DACEDU	Dacryodes edulis
6	2	6.74	9.86	14.2	AS	17	DACEDU	Dacryodes edulis
7	1	0	9.69	29.5	AS	22	SANTRI	Santiria trimera
8	1	2.85	11.68	44.5	DS	15	INDET	
9	1	7.15	13.48	13.7	AS	8	BEISP	Beilschmiedia sp
10	1	0.84	17.88	43.8	AS	25	COUEDU	Coula edulis
11	1	9.9	15.99	26.1	AS	25	DACSP	Dacryodes sp.
12	1	14.55	16.12	12.2	AS	14	PICNIT	Picalima nitida
13	1	16.68	15.79	28.1	AS	30	SCOZEN	Scorodophloeus zenkeri
14	1	18.78	18.35	14.5	AS	16	DACEDU	Dacryodes edulis
15	1	18.97	18.84	110	AS	45	AUCKLA	Aucoumea klaineana
16	1	20	15.71	23.4	AS	16	SANTRI	Santiria trimera
17	1	20	14.83	43.4	AS	30	INDET	
18	1	20	11.48	11.2	AS	15	CLEISP	Cleistanthus sp
19	1	18	8.1	74	AS	40	SCYUCH	Scyphocephalum ochocoa
20	1	20	7.51	28.3	AS	25	KLAGAB	Klaineanthus gabonae
21	1	17.65	5.45	20.5	AS	17	DACEDU	Dacryodes edulis
22	1	17.24	5.28	11.4	AS	8	COUEDU	Coula edulis
23	1	20	1.18	10.6	AS	10	SANTRI	Santiria trimera
24	1	14.62	3.93	60.1	AS	28	PENEDT	Pentaclethra edtveldiana
25	1	11.35	4.23	19.3	AS	25	PAUMAC	Pausinystalia macrocarpa

## Quadrat 6



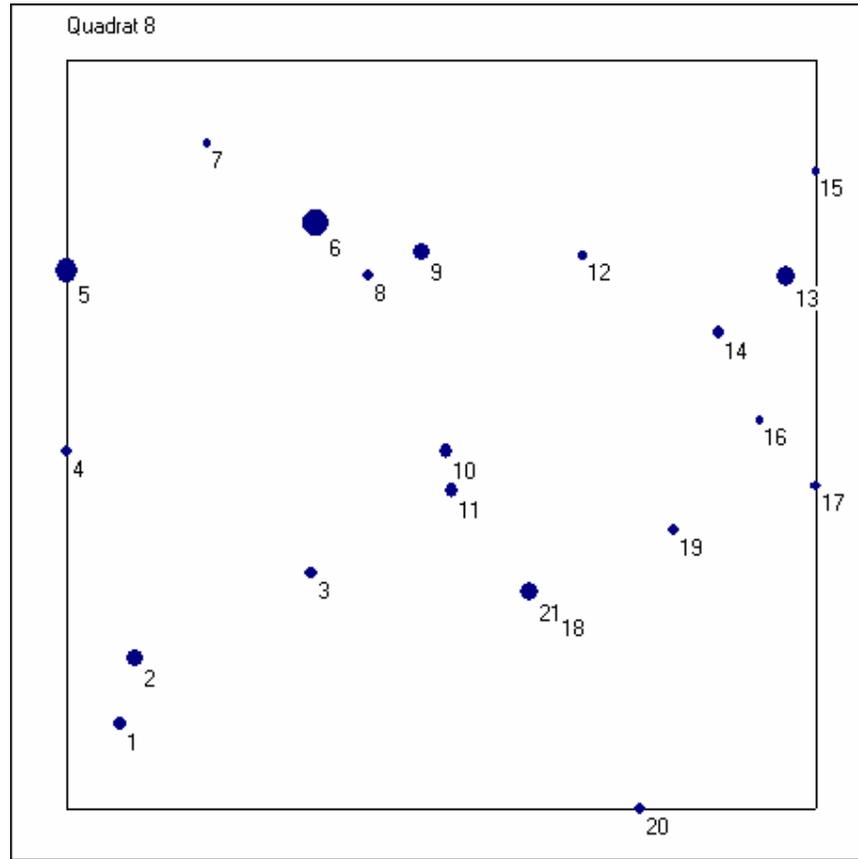
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.74	6.19	14.2	AS	16	DACIGA	Dacryodes iganganga
2	1	6.58	7.87	11.1	AS	13	DACSP	Dacryodes sp.
3	1	0	6.75	16.2	AS	15	SCYKLA	Scytopetalum klaineum
4	1	0	7.91	13.1	AS	7	STRSCH	Strombosia scheffleri
5	1	0	12.89	23.5	AS	18	SANTRI	Santiria trimera
6	1	0	14.91	17.9	AS	15	DACMAC	Dacryodes macrophylla
7	1	3.95	20	10.7	AS	13	DANKLA	Daniellia klainei
8	1	4.47	15.06	28.4	AS	30	DANKLA	Daniellia klainei
9	1	6.16	16.61	19.3	AS	27	STAKAM	Staudtia kamerunensis
10	1	8.15	20	24.1	AS	30	KLAGAB	Klaineanthus gabonae
11	1	8.16	17.95	18.9	AS	27	DACKLA	Dacryodes klaineana
12	1	17.64	20	19.2	AS	18	TREOBO	Treculia obovoidea
13	1	16.63	18.78	28.7	AS	18	PICNIT	Picalima nitida
14	1	13.98	15.34	40.5	AS	36	SYMGLO	Symphonia globulifera
15	1	10.92	13.64	21.3	AS	28	DACIGA	Dacryodes iganganga
16	1	11.79	12.39	16.9	AS	20	ROTSP	Rothmannia sp
17	1	14.17	12.48	19.3	AS	25	STAKAM	Staudtia kamerunensis
18	1	16.03	10.61	38.6	AS	30	COEPRE	Coelocaryon preussii
19	1	16.16	9.39	20.5	AS	30	SYMGLO	Symphonia globulifera
20	1	17.53	8.37	15.4	AS	20	DACIGA	Dacryodes iganganga
21	1	16.68	6.69	67.9	AS	40	DANKLA	Daniellia klainei
22	1	19.52	7.3	12.5	AS	16	CLEISP	Cleistanthus sp
23	1	20	7.17	10.4	AS	14	SCABLA	Scaphopetalum blackii
24	1	18.39	6.11	21	AS	22	DACKLA	Dacryodes klaineana
25	1	14.24	6.53	38.5	AS	35	COEPRE	Coelocaryon preussii
26	1	19.6	3.21	36.7	AS	30	PLAAFR	Plagiostyles africana
27	1	13.66	4.57	16.6	AS	15	TREOBO	Treculia obovoidea
28	1	11.62	4.95	28.1	AS	28	SANTRI	Santiria trimera
29	1	8.19	5.14	17.9	AS	22	GARSP	Garcinia sp.
30	1	8.59	7.46	13.9	AS	13	TREOBO	Treculia obovoidea
31	1	8.6	7.86	17.4	AS	17	SANTRI	Santiria trimera
32	1	7.88	11.7	25.4	AS	27	COEPRE	Coelocaryon preussii
33	1	4.44	11.4	40.6	AS	35	COEPRE	Coelocaryon preussii

## Quadrat 7



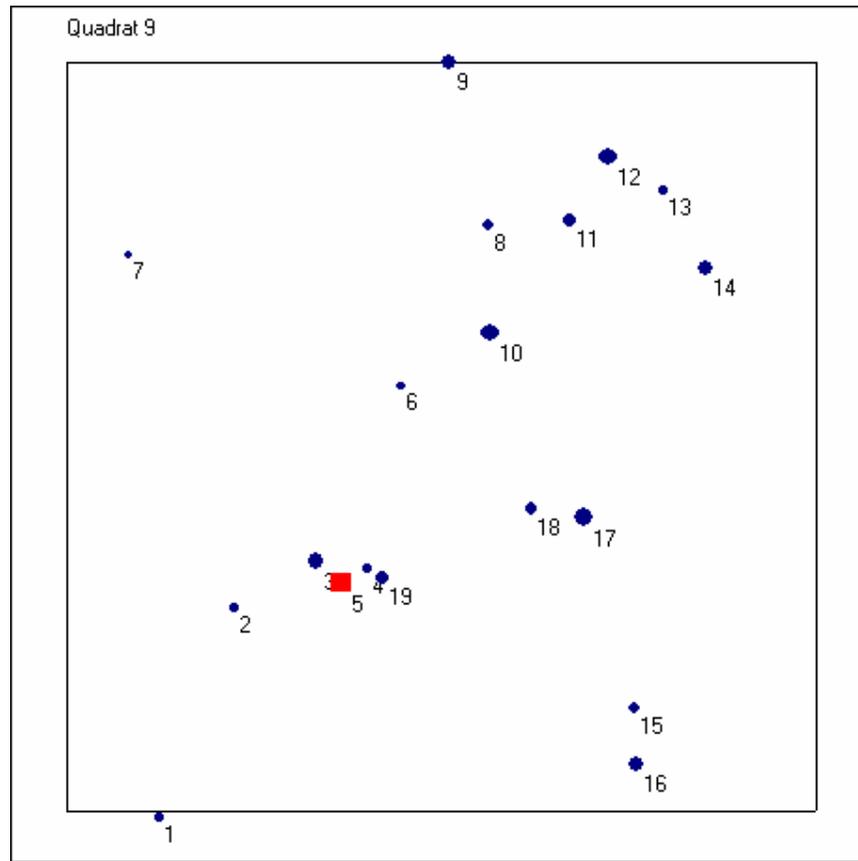
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.02	2.95	11.4	AS	16	DIOSP	Diospyros sp.
2	1	4.93	2.81	68.2	AS	42	STAKAM	Staudtia kamerunensis
3	1	2.73	0.36	14.7	AS	17	BEISP	Beilschmiedia sp
4	1	2.43	0.99	12.2	AS	7	TREOBO	Treculia obovoidea
5	1	4.05	2.55	17.9	AS	12	TREOBO	Treculia obovoidea
6	1	3	4.05	51.9	AS	40	SCYOCH	Scyphocephalum ochocoa
7	1	6.27	3.93	14.2	AS	17	BEISP	Beilschmiedia sp
8	1	4.97	5.33	13.5	AS	15	PANPED	Pancovia pedicellaris
9	1	2.72	7.76	11	AS	7	COLSP	Cola sp
10	1	3.27	13.01	10.2	AS	10	DRYSP	Drypetes sp.
11	1	2.35	16.76	26.6	AS	25	STRTET	Strombosia tetandra
12	1	2.14	18.63	64.3	DS	30	INDET	
13	1	4.48	18.29	49.1	AS	40	SCYOCH	Scyphocephalum ochocoa
14	1	8.68	15.29	11.2	AS	14	SANTRI	Santiria trimera
15	1	7.69	12.7	24	AS	16	TREOBO	Treculia obovoidea
16	1	8.04	9.7	23.5	AS	20	SANTRI	Santiria trimera
17	1	12.99	12.82	12.2	AS	13	GRESUA	Greenwayodendron suaveolens
18	1	13.73	14.07	12.1	AS	14	SANTRI	Santiria trimera
19	1	13.33	13.88	12.5	AS	18	CALSP	Calpocalyx
20	1	12.96	20	10.5	AS	13	GARSP	Garcinia sp.
21	1	20	18.31	20.7	AS	18	SANTRI	Santiria trimera
22	1	20	14.03	21.4	AS	16	TREOBO	Treculia obovoidea
23	1	19.37	12.01	11.1	AS	16	MARSP	Mareya sp
24	1	16.33	9.78	32.2	AS	35	PENEDT	Pentaclethra edtveldiana
25	1	20	8.02	25.8	AS	25	DACEDU	Dacryodes edulis
26	1	20	7.68	11.7	AS	13	DACKLA	Dacryodes klaineana
27	1	14.29	6.52	58.7	AS	40	COEPRE	Coelocaryon preussii
28	1	15.71	4.48	16.8	AS	15	TREOBO	Treculia obovoidea
29	1	14.66	4.41	15.6	AS	19	TREOBO	Treculia obovoidea
30	1	10.95	0	15.5	AS	25	DRYSP	Drypetes sp.
31	1	12.01	8.6	32.8	AS	25	ISOHEX	Isolona hexaloba
32	1	10.86	10.85	10.6	AS	9	SCABLA	Scaphopetalum blackii
33	1	8.03	9.03	73.2	AS	45	STAKAM	Staudtia kamerunensis

### Quadrat 8



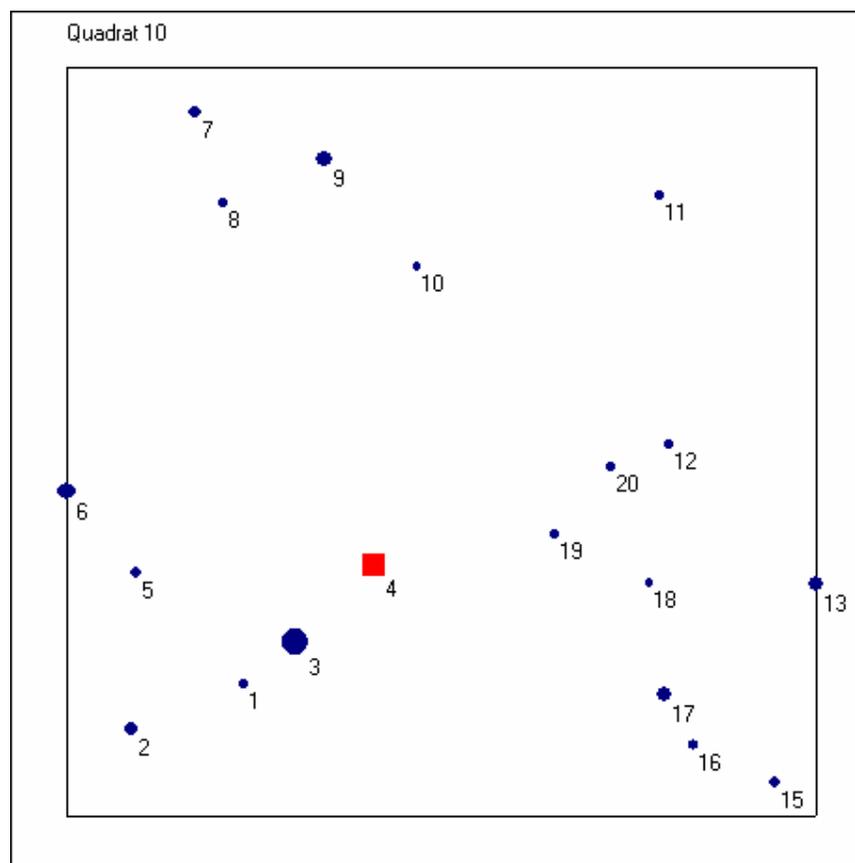
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.44	2.3	26.2	AS	17	TREOBO	Treculia obovoidea
2	1	1.82	4.02	42.7	AS	16	AFRLEP	Afrostryrax lepidophyllus
3	1	6.53	6.31	20.5	AS	16	HEIPAR	Heisteria parvifolia
4	1	0	9.55	20.2	AS	25	COUEDU	Coula edulis
5	1	0	14.38	91.4	AS	45	STEMIC	Stemonocoleus micranthus
6	1	6.64	15.66	112.3	AS	45	AUCKLA	Aucoumea klaineana
7	1	3.75	17.79	10.5	AS	8	PENEDT	Pentaclethra edtveldiana
8	1	8.05	14.25	14.7	AS	16	CLEISP	Cleistanthus sp
9	1	9.48	14.89	41.5	AS	30	SCOZEN	Scorodophloeus zenkeri
10	1	10.13	9.56	31.8	AS	28	DACKLA	Dacryodes klaineana
11	1	10.27	8.49	34.2	AS	30	SCOZEN	Scorodophloeus zenkeri
12	1	13.78	14.78	14.1	AS	20	CLEISP	Cleistanthus sp
13	1	19.2	14.23	63.8	AS	36	CLEGLA	Cleistopholis glauca
14	1	17.41	12.71	22.9	AS	25	CLEISP	Cleistanthus sp
15	1	20	17.04	12.5	AS	18	CLEISP	Cleistanthus sp
16	1	18.49	10.38	10.6	AS	9	DACEDU	Dacryodes edulis
17	1	20	8.63	14.8	AS	12	GRESUA	Greenwayodendron suaveolens
18	1	13.1	5.28	10.8	AS	10	GUASP	Guarea sp
19	1	16.2	7.43	17.5	AS	20	DIAPAC	Dialium pachyphyllum
20	1	15.29	0	19.5	AS	22	DANSOY	Daniellia soyauxii
21	1	12.35	5.82	56.2	AS	28	COUEDU	Coula edulis

### Quadrat 9



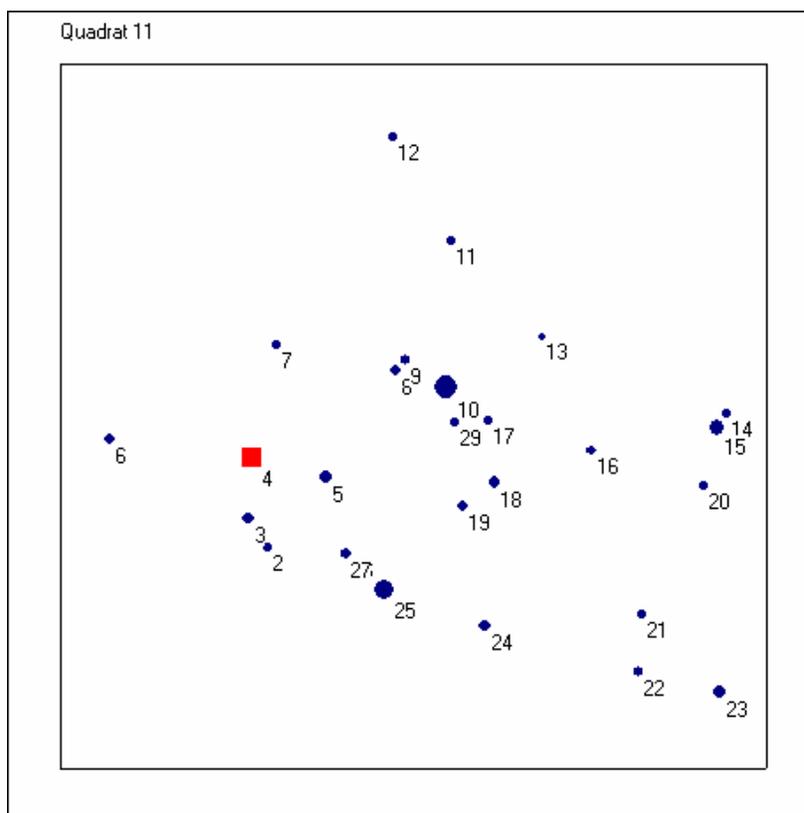
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.48	-0.16	14.4	AS	15	SANTRI	Santiria trimera
2	1	4.49	5.44	12.4	AS	13	CLEISP	Cleistanthus sp
3	1	6.67	6.68	37.4	AS	38	STAKAM	Staudtia kamerunensis
4	1	8.03	6.48	12.9	AS	12	CLEGAB	Cleimiathus gabonea
5	1	7.33	6.1	45.5	AS	38	SCYOCH	Scyphocephalum ochocoa
5	2	7.33	6.1	46.2	AS	38	SCYOCH	Scyphocephalum ochocoa
6	1	8.94	11.35	12	AS	15	CLEISP	Cleistanthus sp
7	1	1.65	14.86	10	AS	10	DACEDU	Dacryodes edulis
8	1	11.25	15.65	14.3	AS	13	DIASP	Dialium sp.
9	1	10.21	20	39.5	AS	30	COEDU	Coula edulis
10	1	11.3	12.77	47.9	AS	35	ERIEXU	Erismadelphus exul
11	1	13.43	15.76	26.3	AS	35	XYLPYM	Xylopiya pymaothi
12	1	14.45	17.49	48	AS	35	COEPRE	Coelocaryon preussii
13	1	15.93	16.58	10	AS	13	STRSCH	Strombosia scheffleri
14	1	17.04	14.5	32.5	AS	30	SANTRI	Santiria trimera
15	1	15.16	2.76	21.8	AS	10	PENMAC	Pentaclethra macrophylla
16	1	15.18	1.24	36.8	AS	32	XYLAET	Xylopiya aethiopica
17	1	13.81	7.86	52.6	AS	30	PENEDT	Pentaclethra edtveldiana
18	1	12.39	8.07	22.7	AS	16	PICNIT	Picalima nitida
19	1	8.42	6.23	31.2	AS	25	DACEDU	Dacryodes edulis

### Quadrat 10



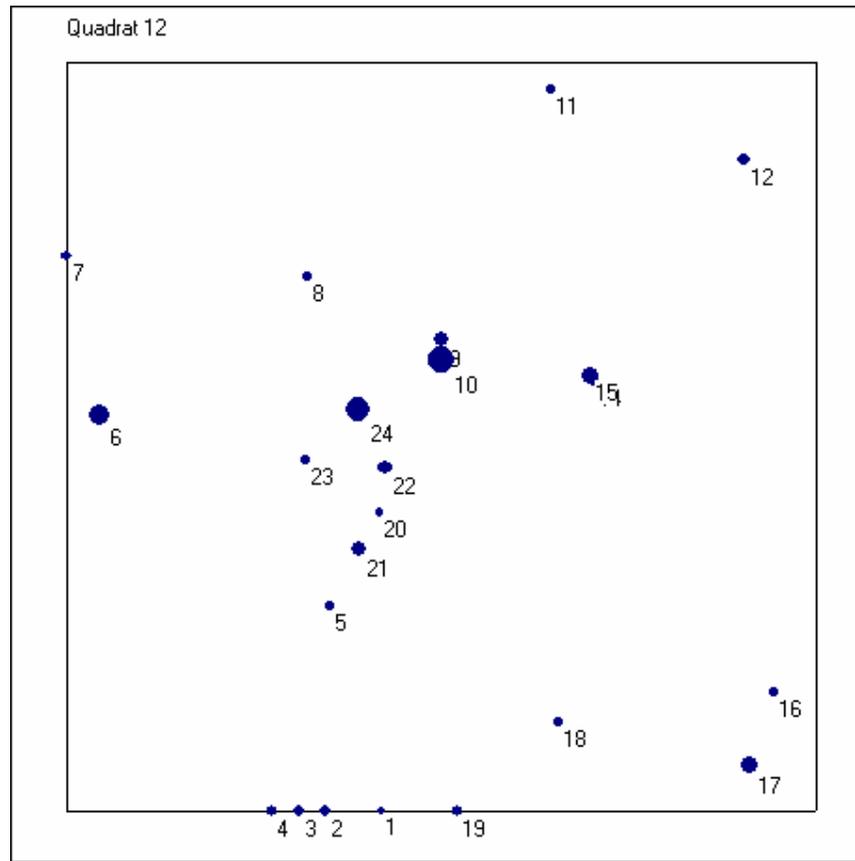
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	4.72	3.53	17.5	AS	20	BERSP	Berlinia sp
2	1	1.74	2.35	26.5	AS	16	DACEDU	Dacryodes edulis
3	1	6.09	4.66	110	AS	40	AUCKLA	Aucoumea klaineana
4	1	8.18	6.68	51	AS	38	SCYOCH	Scyphocephalum ochocoa
4	2	8.18	6.68	53.8	AS	38	SCYOCH	Scyphocephalum ochocoa
4	3	8.18	6.68	29.4	AS	28	SCYOCH	Scyphocephalum ochocoa
5	1	1.85	6.51	18.5	AS	18	SANTRI	Santiria trimera
6	1	0	8.66	45.6	AS	36	AUCKLA	Aucoumea klaineana
7	1	3.42	18.81	23.4	AS	28	DACEDU	Dacryodes edulis
8	1	4.16	16.38	12	AS	13	DACSP	Dacryodes sp.
9	1	6.89	17.55	39.9	AS	35	STAKAM	Staudtia kamerunensis
10	1	9.34	14.67	10.2	AS	10	DACKLA	Dacryodes klaineana
11	1	15.84	16.56	11.9	AS	11	STRSCH	Strombosia scheffleri
12	1	16.06	9.92	12.4	AS	6	SCABLA	Scaphopetallum blackii
13	1	20	6.21	33.5	AS	26	SANTRI	Santiria trimera
14	1	25.54	5.44	47	AS	35	SCOZEN	Scorodophloeus zenkeri
15	1	18.91	0.89	21.9	AS	30	BEISP	Beilschmiedia sp
16	1	16.74	1.9	14.1	AS	12	SCABLA	Scaphopetallum blackii
17	1	15.96	3.24	31.5	AS	25	SANTRI	Santiria trimera
18	1	15.55	6.23	11.6	AS	10	DRYSP	Drypetes sp.
19	1	13.03	7.54	13.5	AS	10	SANTRI	Santiria trimera
20	1	14.52	9.32	10.8	AS	9	GARSME	Garcinia smeathmannii

### Quadrat 11



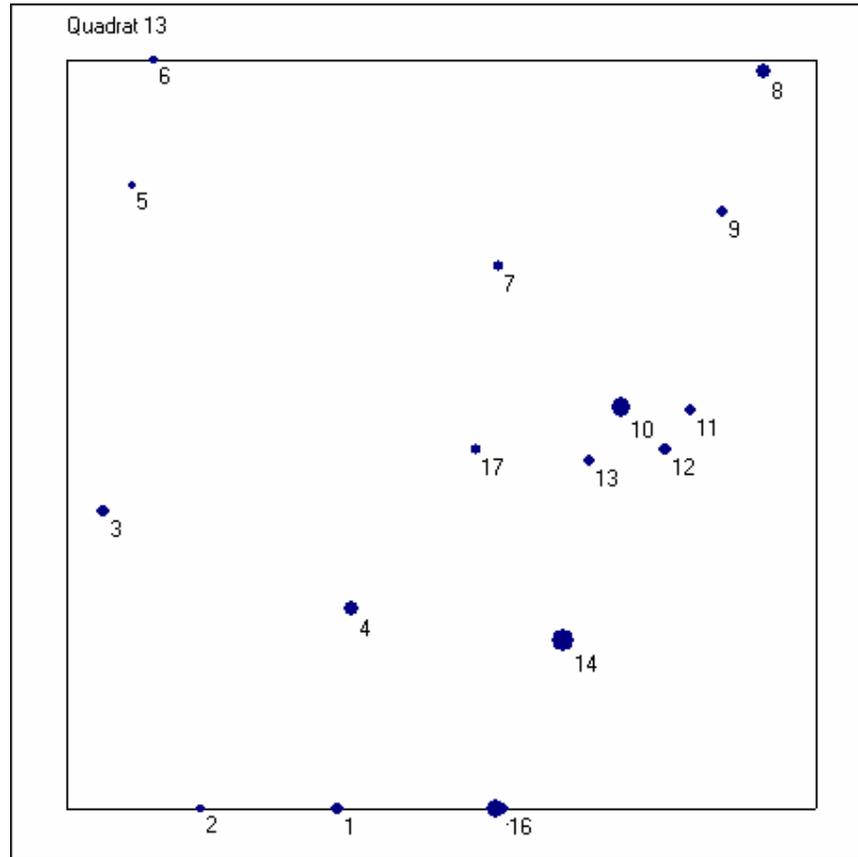
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.21	-1.98	22.7	AS	10	TREOBO	Treculia obovoidea
2	1	5.88	6.28	11.2	AS	16	DANKLA	Daniellia klainei
3	1	5.34	7.1	24.5	AS	25	DACEDU	Dacryodes edulis
4	1	5.42	8.83	12.6	AS	15	STAKAM	Staudtia kamerunensis
4	2	5.42	8.83	53.8	AS	0	STAKAM	Staudtia kamerunensis
4	3	5.42	8.83	29.4	AS	38	STAKAM	Staudtia kamerunensis
5	1	7.51	8.26	26.7	AS	30	SANTRI	Santiria trimera
6	1	1.38	9.34	20	AS	17	TREOBO	Treculia obovoidea
7	1	6.11	12.04	12.2	AS	8	SCABLA	Scaphopetalum blackii
8	1	9.5	11.3	16	AS	10	TREOBO	Treculia obovoidea
9	1	9.79	11.59	15.1	AS	13	SANTRI	Santiria trimera
10	1	10.94	10.83	87.1	AS	35	AUCKLA	Aucoumea klaineana
11	1	11.08	14.97	13.7	AS	17	DACKLA	Dacryodes klaineana
12	1	9.44	17.91	13.2	AS	13	DACSP	Dacryodes sp.
13	1	13.64	12.25	10.1	AS	7	TREOBO	Treculia obovoidea
14	1	18.89	10.07	13.3	AS	11	TREOBO	Treculia obovoidea
15	1	18.59	9.68	37.8	AS	35	SANTRI	Santiria trimera
16	1	15.06	9.03	16.4	AS	16	DANKLA	Daniellia klainei
17	1	12.14	9.87	12.5	AS	6	HEIPAR	Heisteria parvifolia
18	1	12.3	8.13	23.2	AS	20	NEWLEU	Newtonia leucocarpa
19	1	11.38	7.47	19.5	AS	17	AFRLEP	Afrostryax lepidophyllus
20	1	18.23	8.03	12.2	AS	15	SANTRI	Santiria trimera
21	1	16.48	4.39	15.2	AS	14	DANKLA	Daniellia klainei
22	1	16.37	2.76	17.3	AS	14	TREOBO	Treculia obovoidea
23	1	18.65	2.16	26.7	AS	30	SYMGLO	Symphonia globulifera
24	1	12.03	4.05	23.6	AS	17	DACEDU	Dacryodes edulis
25	1	9.18	5.08	59.1	AS	30	PENEDT	Pentaclethra edtveldiana
26	1	8.11	6.1	16.8	AS	18	SANTRI	Santiria trimera
27	1	8.08	6.09	16.8	AS	18	DACKLA	Dacryodes klaineana
28	1	11.17	9.84	12.1	AS	10	TREOBO	Treculia obovoidea
29	1	11.17	9.84	12.1	AS	10	TREOBO	Treculia obovoidea

## Quadrat 12



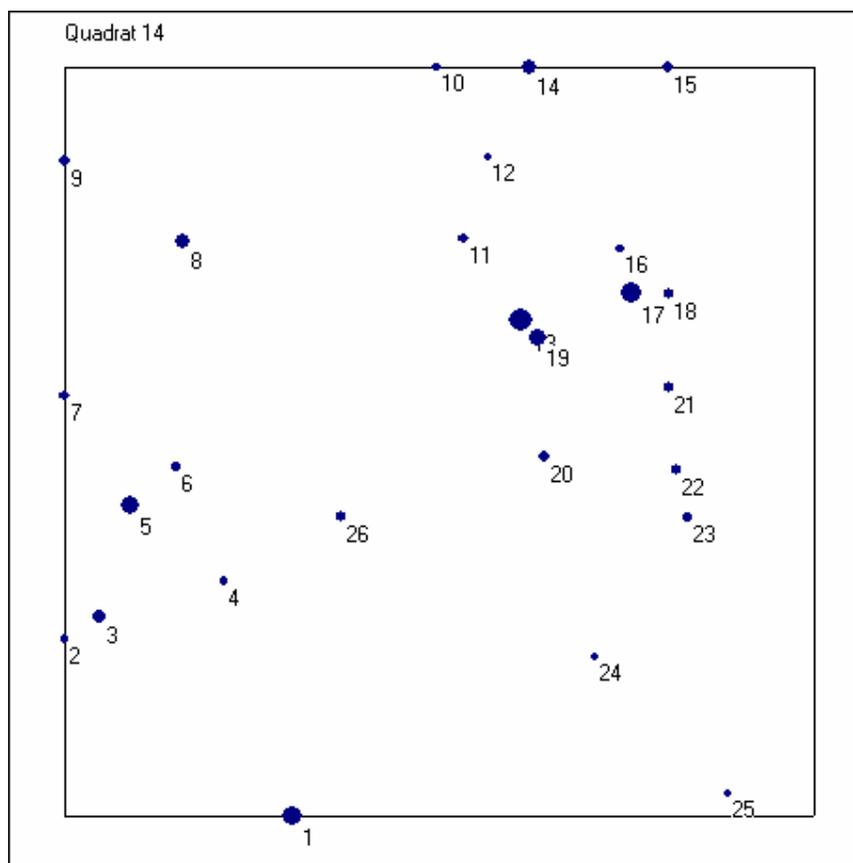
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.4	0	12.4	AS	10	DANKLA	Daniellia klainei
2	1	6.89	0	16.6	AS	16	SANTRI	Santiria trimera
3	1	6.2	0	22.4	AS	14	SANTRI	Santiria trimera
4	1	5.46	0	13.1	AS	8	SCABLA	Scaphopetallum blackii
5	1	7.02	5.48	16.2	AS	13	TREOBO	Treculia obovoidea
6	1	0.87	10.59	70.5	AS	40	COEPRE	Coelocaryon preussii
7	1	0	14.82	15.4	AS	16	DRYSP	Drypetes sp.
8	1	6.42	14.27	11.9	AS	9	CENGLA	Centropelacus glaucinus
9	1	10	12.58	34.9	AS	30	TETBIF	Tetraberlinia bifoliolata
10	1	10	12.04	100	AS	35	INDET	
11	1	12.93	19.27	12.8	AS	7	SCABLA	Scaphopetallum blackii
12	1	18.07	17.42	20.7	AS	15	PLAAFR	Plagiostyles africana
13	1	13.96	11.62	44.5	AS	38	COEPRE	Coelocaryon preussii
14	1	14.08	11.49	11.1	AS	13	DIOMEL	Diospyros melocarpa
15	1	13.96	11.64	16.5	AS	14	DACEDU	Dacryodes edulis
16	1	18.88	3.16	14.1	AS	15	SANTRI	Santiria trimera
17	1	18.21	1.23	41.9	AS	35	COEPRE	Coelocaryon preussii
18	1	13.11	2.37	12	AS	9	CENGLA	Centropelacus glaucinus
19	1	10.44	0	15.4	AS	16	DACKLA	Dacryodes klaineana
20	1	8.35	7.98	10.8	AS	9	GAREPU	Garcinia epunctata
21	1	7.8	6.99	32.9	AS	28	CLEISP	Cleistanthus sp
22	1	8.49	9.16	29.8	AS	30	SANTRI	Santiria trimera
23	1	6.37	9.37	11	AS	13	DACKLA	Dacryodes klaineana
24	1	7.79	10.74	93.9	AS	18	BAPBUE	Baphia buetterii

### Quadrat 13



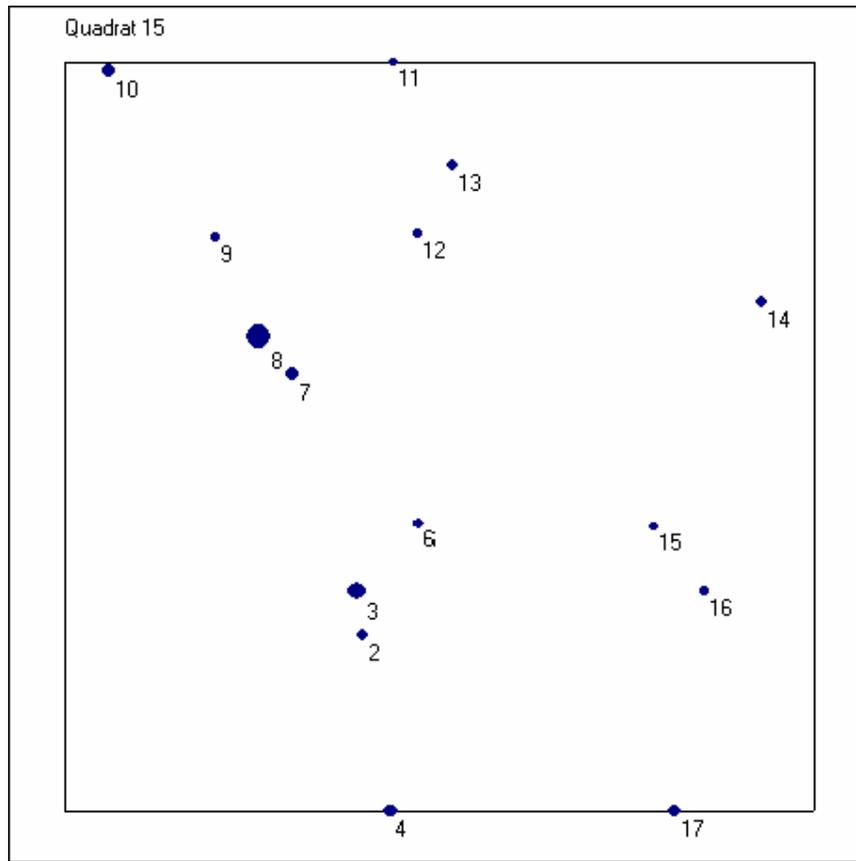
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.24	0	24.5	AS	18	GARSP	Garcinia sp.
2	1	3.56	0	12.5	AS	9	PANSP	Pancovia sp
3	1	0.97	7.93	20.8	AS	17	STRSER	Strombosiopsis serenii
4	1	7.62	5.37	35.8	AS	7	STRTET	Strombosia tetandra
5	1	1.75	16.65	11.3	AS	14	PICNIT	Picalima nitida
6	1	2.33	20	10	AS	8	STRSCH	Strombosia scheffleri
7	1	11.54	14.5	13.7	AS	7	GARSME	Garcinia smeathmannii
8	1	18.61	19.69	32.8	AS	28	OUBAFR	Oubanguia africana
9	1	17.51	15.97	17.7	AS	13	PAUJOH	Pausinystalia johimbe
10	1	14.8	10.73	56.5	AS	27	SANTRI	Santiria trimera
11	1	16.66	10.65	16.7	AS	13	DACKLA	Dacryodes klaineana
12	1	15.98	9.6	20	AS	12	TREOBO	Treculia obovoidea
13	1	13.95	9.3	20.4	AS	14	OUBAFR	Oubanguia africana
14	1	13.25	4.52	84.9	AS	15	CLEISP	Cleistanthus sp
15	1	11.44	0	53.3	AS	30	SANTRI	Santiria trimera
16	1	11.65	0	19.8	AS	17	DACKLA	Dacryodes klaineana
17	1	10.95	9.6	13.9	AS	8	GAREPU	Garcinia punctata

### Quadrat 14



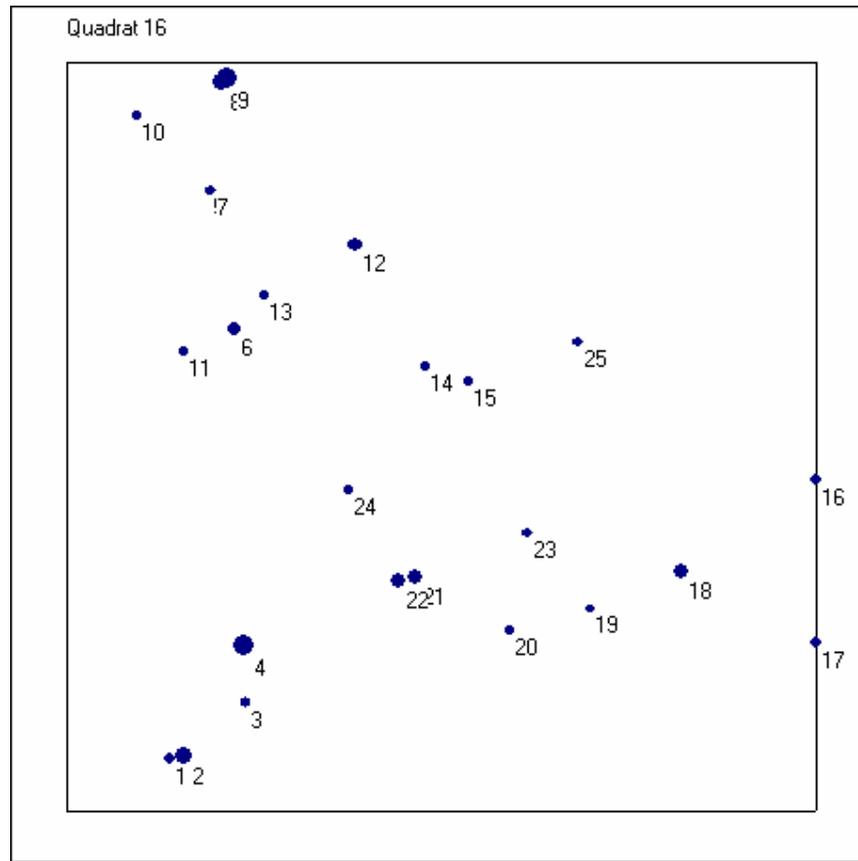
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.09	0	64.8	AS	15	COUEDU	<i>Coula edulis</i>
2	1	0	4.71	12.3	AS	16	STAKAM	<i>Staudtia kamerunensis</i>
3	1	0.93	5.34	27	AS	28	CLEISP	<i>Cleistanthus</i> sp
4	1	4.25	6.28	11.3	AS	9	GUASP	<i>Guarea</i> sp
5	1	1.76	8.3	61.5	AS	40	COUEDU	<i>Coula edulis</i>
6	1	2.97	9.33	12.5	AS	9	SCABLA	<i>Scaphopetalum blackii</i>
7	1	0	11.24	13.3	AS	10	HYMPEL	<i>Hymenoclea stegia pellegrinii</i>
8	1	3.15	15.37	35.9	AS	30	STAKAM	<i>Staudtia kamerunensis</i>
9	1	0	17.5	17.3	AS	25	SCYKLA	<i>Scytopetalum klaineana</i>
10	1	9.94	20	12.7	AS	7	DIOBP	<i>Diospyros</i> sp.
11	1	10.65	15.42	15.3	AS	18	SANTRI	<i>Santiria trimera</i>
12	1	11.3	17.6	11.7	AS	10	CLEISP	<i>Cleistanthus</i> sp
13	1	12.18	13.25	92.4	AS	40	CELTES	<i>Celtis tessmannii</i>
14	1	12.39	20	34.9	AS	22	TETBIF	<i>Tetraberlinia bifoliolata</i>
15	1	16.1	20	22.8	AS	25	DANSOY	<i>Daniellia soyauxii</i>
16	1	14.83	15.15	12	AS	10	DACEDU	<i>Dacryodes edulis</i>
17	1	15.11	13.96	66	AS	40	AUBSP	<i>Aubrevillea</i> sp
18	1	16.12	13.95	15.7	AS	14	SANTRI	<i>Santiria trimera</i>
19	1	12.63	12.78	44.7	AS	35	COUEDU	<i>Coula edulis</i>
20	1	12.8	9.6	17.8	AS	19	DACKLA	<i>Dacryodes klaineana</i>
21	1	16.13	11.46	15.5	AS	17	TETBIF	<i>Tetraberlinia bifoliolata</i>
22	1	16.33	9.26	16.9	AS	15	MAESP	<i>Maesobotrya</i> sp.
23	1	16.63	7.99	14.7	AS	3	SANTRI	<i>Santiria trimera</i>
24	1	14.14	4.25	11.2	AS	6	TABSP	<i>Tabernaemontana</i> sp
25	1	17.7	0.6	10.5	AS	7	DICGLA	<i>Dichostemma glaucescens</i>
26	1	7.36	8	14.4	AS	13	SANTRI	<i>Santiria trimera</i>

### Quadrat 15



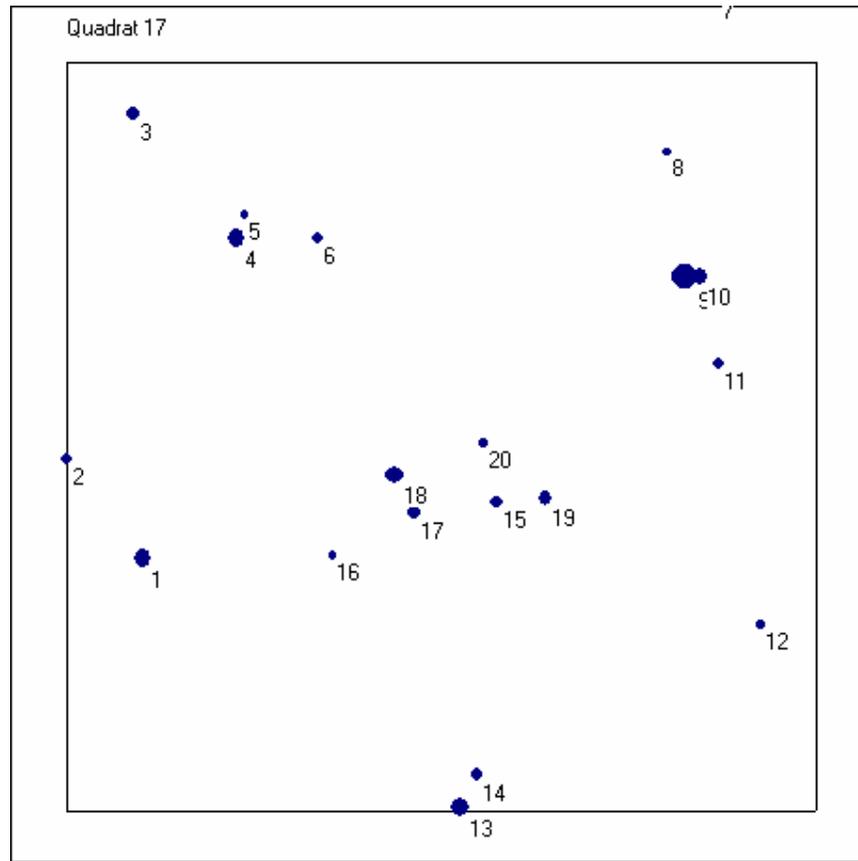
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.77	0	18.5	AS	13	ANISP2	Anisophyllea sp. 2
2	1	7.95	4.7	21.5	AS	10	STRGRA	Strombosia grandifolia
3	1	7.79	5.88	50.4	AS	40	STAKAM	Staudtia kamerunensis
4	1	8.65	0	13.1	AS	10	CLEISP	Cleistanthus sp
5	1	9.45	7.68	13.7	AS	13	DACKLA	Dacryodes klaineana
6	1	9.45	7.7	10.5	AS	6	SCABLA	Scaphopetalum blackii
7	1	6.1	11.7	26.3	AS	25	AFRLEP	Afrostryrax lepidophyllus
8	1	5.17	12.69	91.1	AS	40	SCYOCH	Scyphocephalum ochocoa
9	1	4.02	15.32	14.2	AS	10	STRSER	Strombosiopsis serenii
10	1	1.19	19.78	29.7	AS	30	CLEISP	Cleistanthus sp
11	1	8.76	20	12	AS	13	GRESUA	Greenwayodendron suaveolens
12	1	9.42	15.43	10.6	AS	13	CENGLA	Centroplocus glaucinus
13	1	10.36	17.26	22.7	AS	20	DACEDU	Dacryodes edulis
14	1	18.6	13.59	17.2	AS	25	STAKAM	Staudtia kamerunensis
15	1	15.72	7.59	10.1	AS	11	CLEISP	Cleistanthus sp
16	1	17.07	5.89	15	AS	14	STRSCH	Strombosia scheffleri
17	1	16.27	0	21.5	AS	15	AFRLEP	Afrostryrax lepidophyllus

## Quadrat 16



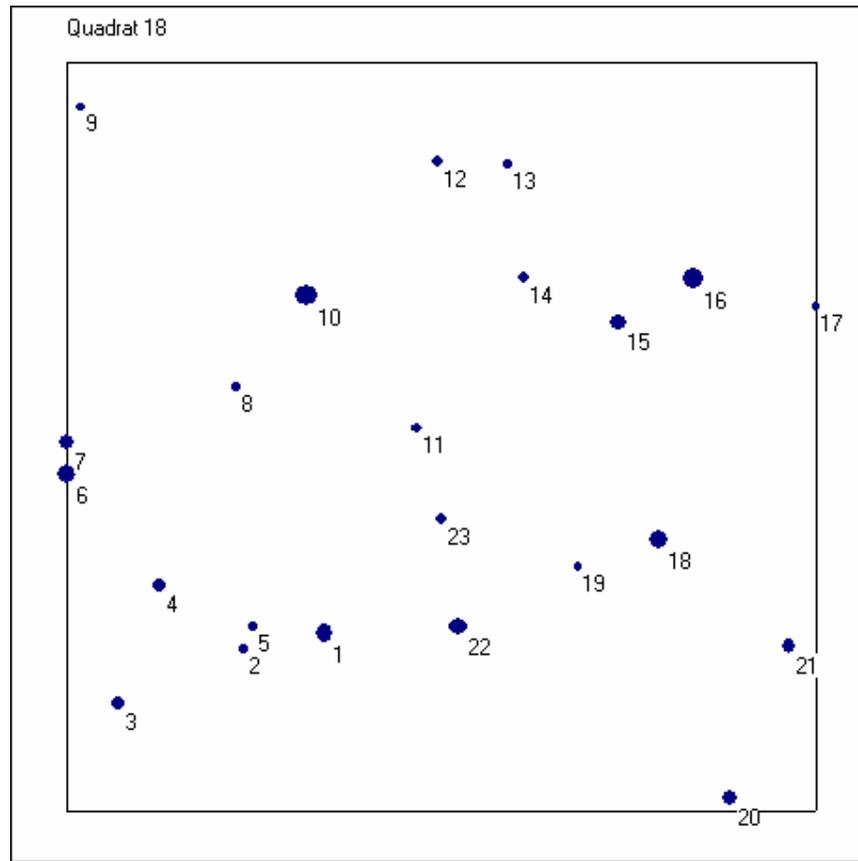
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.75	1.41	18.1	AS	25	TETBIF	<i>Tetraberlinia bifoliolata</i>
2	1	3.14	1.47	43.8	AS	30	PENEDT	<i>Pentaclethra edtveldiana</i>
3	1	4.78	2.89	16.6	AS	11	DANKLA	<i>Daniellia klainei</i>
4	1	4.73	4.43	62.8	AS	40	PENEDT	<i>Pentaclethra edtveldiana</i>
5	1	3.81	16.55	10.9	AS	13	STRPUS	<i>Strombosia pustulata</i>
6	1	4.48	12.88	27.7	AS	20	DACMAC	<i>Dacryodes macrophylla</i>
7	1	3.85	16.57	15.5	AS	14	STRPUS	<i>Strombosia pustulata</i>
8	1	4.11	19.46	44.5	AS	30	DACEDU	<i>Dacryodes edulis</i>
9	1	4.26	19.56	67.2	AS	35	CLEISP	<i>Cleistanthus</i> sp
10	1	1.87	18.57	10.5	AS	5	SCABLA	<i>Scaphopetallum blackii</i>
11	1	3.14	12.28	10.9	AS	13	SORNIT	<i>Sorindeia nitidula</i>
12	1	7.7	15.11	27	AS	28	PAUMAC	<i>Pausinystalia macrocarpa</i>
13	1	5.28	13.77	12	AS	8	SCABLA	<i>Scaphopetallum blackii</i>
14	1	9.56	11.9	12.9	AS	9	DUVINO	<i>Duvigneaudia inopinata</i>
15	1	10.72	11.46	12.9	AS	9	DANKLA	<i>Daniellia klainei</i>
16	1	20	8.84	19.6	AS	16	GARSP	<i>Garcinia</i> sp.
17	1	20	4.5	21.5	AS	25	CANSCH	<i>Canarium schweinfurthii</i>
18	1	16.41	6.41	35.2	AS	23	SANTRI	<i>Santiria trimera</i>
19	1	13.97	5.39	11.6	AS	7	STRMAN	<i>Strephonema mannii</i>
20	1	11.84	4.83	12.2	AS	16	COUEDU	<i>Coula edulis</i>
21	1	9.3	6.26	38.4	AS	20	SANTRI	<i>Santiria trimera</i>
22	1	8.85	6.15	40.3	AS	28	COEPRE	<i>Coelocaryon preussii</i>
23	1	12.3	7.43	13.9	AS	10	CLEISP	<i>Cleistanthus</i> sp
24	1	7.54	8.58	11.9	AS	9	SCOZEN	<i>Scorodophloeus zenkeri</i>
25	1	13.65	12.53	14.5	AS	7	AMPFER	<i>Amphimas ferrugineus</i>

### Quadrat 17



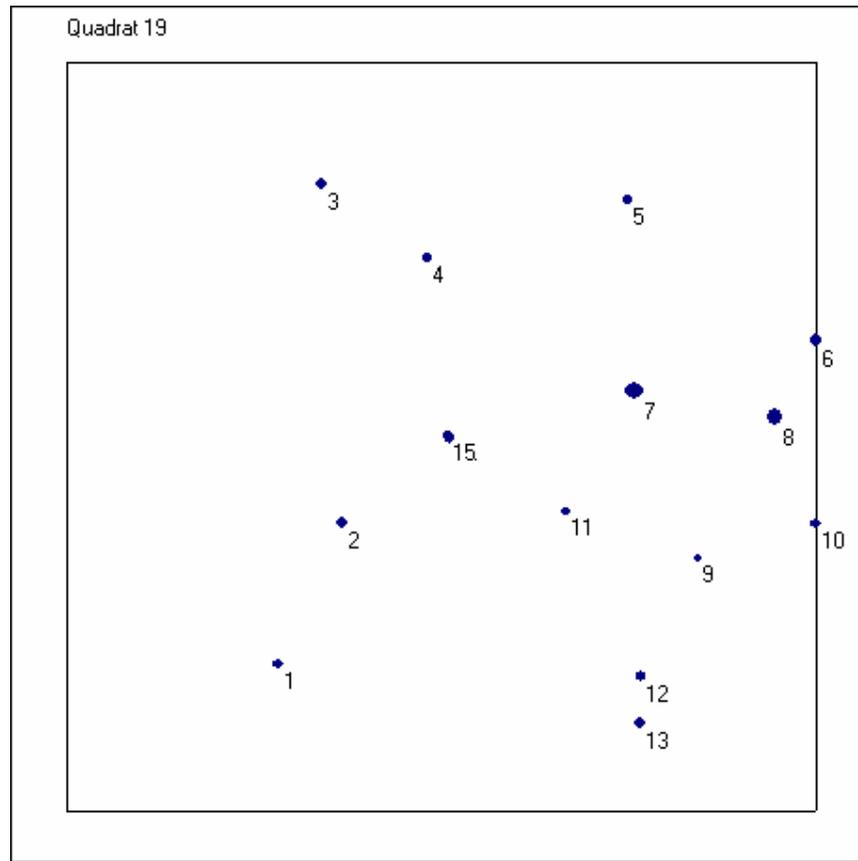
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.03	6.76	53.2	AS	35	COEPRE	Coelocaryon preussii
2	1	0	9.4	13.3	AS	10	PANPED	Pancovia pedicellaris
3	1	1.76	18.63	26	AS	28	AFRLEP	Afrostryrax lepidophyllus
4	1	4.53	15.31	47.9	AS	30	SANTRI	Santiria trimera
5	1	4.75	15.93	11	AS	11	ROTSP	Rothmannia sp
6	1	6.71	15.3	20.3	AS	26	GRESUA	Greenwayodendron suaveolens
7	1	17.4	21.82	10.5	AS	7	TRISP	Tricalysia sp.
8	1	16.03	17.61	10.6	AS	12	DANKLA	Daniellia klainei
9	1	16.5	14.29	99.9	AS	40	LOVTRI	Lovao trichilioides
10	1	16.89	14.27	38.3	AS	28	FILDIS	Fillaeopsis discophora
11	1	17.41	11.96	20.3	AS	15	MYRSER	Myrianthus serratus
12	1	18.54	4.98	14.4	AS	14	PENEDT	Pentaclethra edtveldiana
13	1	10.49	0.1	49.1	AS	30	COEPRE	Coelocaryon preussii
14	1	10.94	0.98	23.8	AS	26	PAUMAC	Pausinystalia macrocarpa
15	1	11.47	8.25	22.1	AS	18	DACMAC	Dacryodes macrophylla
16	1	7.11	6.82	10.3	AS	6	SCABLA	Scaphopetalum blackii
17	1	9.27	7.98	20.5	AS	15	DANKLA	Daniellia klainei
18	1	8.75	8.98	52.5	AS	30	SANTRI	Santiria trimera
19	1	12.77	8.34	32.5	AS	20	SANTRI	Santiria trimera
20	1	11.13	9.84	10.3	AS	9	PAUMAC	Pausinystalia macrocarpa

### Quadrat 18



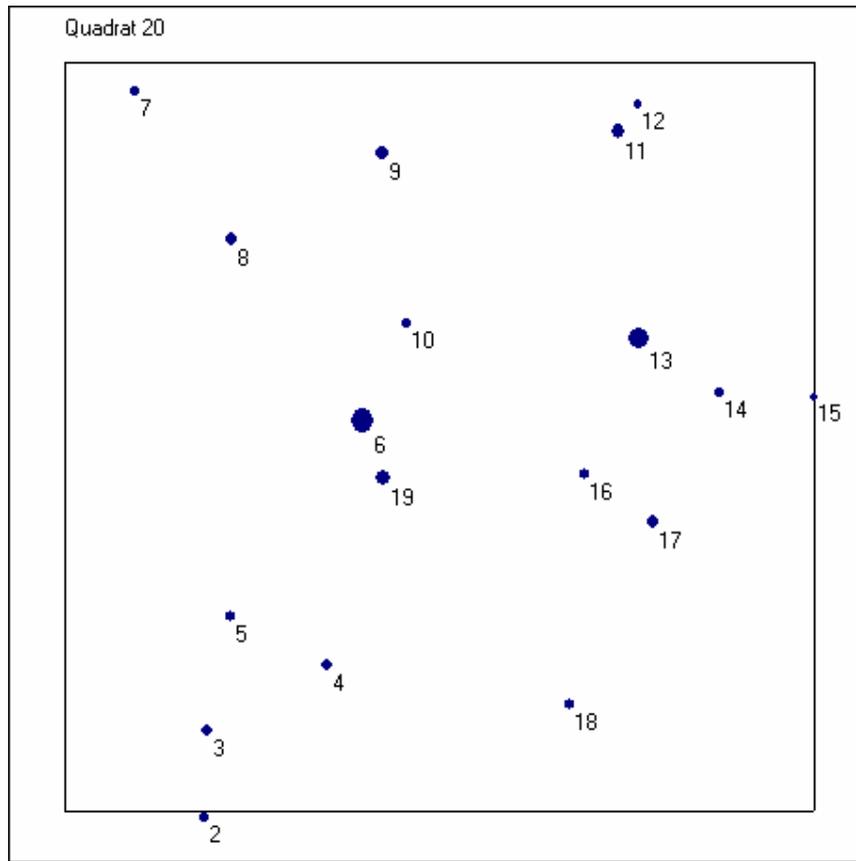
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.86	4.75	47.6	AS	35	SANTRI	Santiria trimera
2	1	4.73	4.34	11	AS	10	TREOBO	Treculia obovoidea
3	1	1.38	2.87	26	AS	17	SANTRI	Santiria trimera
4	1	2.47	6.03	28.2	AS	17	PLAAFR	Plagiostyles africana
5	1	4.97	4.94	13.6	AS	14	GRESUA	Greenwayodendron suaveolens
6	1	0	9.02	59.2	AS	35	TETBIF	Tetraberlinia bifoliolata
7	1	0	9.85	32.2	AS	26	COUEDU	Coula edulis
8	1	4.54	11.34	14.9	AS	25	GRESUA	Greenwayodendron suaveolens
9	1	0.39	18.8	10.2	AS	11	SCABLA	Scaphopetalum blackii
10	1	6.4	13.79	69.5	AS	35	COUEDU	Coula edulis
11	1	9.35	10.22	14.3	AS	9	HEIPAR	Heisteria parvifolia
12	1	9.89	17.35	17.8	AS	16	CENGLA	Centroplocus glaucinus
13	1	11.77	17.27	16.6	AS	16	DACSP	Dacryodes sp.
14	1	12.18	14.26	17.7	AS	16	GARSP	Garcinia sp.
15	1	14.72	13.04	38.1	AS	35	STAKAM	Staudtia kamerunensis
16	1	16.72	14.22	59.2	AS	30	COUEDU	Coula edulis
17	1	20	13.48	10.1	AS	13	BEISP	Beilschmiedia sp
18	1	15.8	7.26	49.4	AS	30	SANTRI	Santiria trimera
19	1	13.66	6.53	10.5	AS	30	STRSCH	Strombosia scheffleri
20	1	17.7	0.36	33.9	AS	30	SANTRI	Santiria trimera
21	1	19.29	4.4	27.5	AS	18	KLAGAB	Klaineanthus gabonae
22	1	10.45	4.92	47.3	AS	35	GANGIG	Ganophyllum giganteum
23	1	10.02	7.81	19.2	AS	10	SCOCOR	Scottellia coriacea

### Quadrat 19



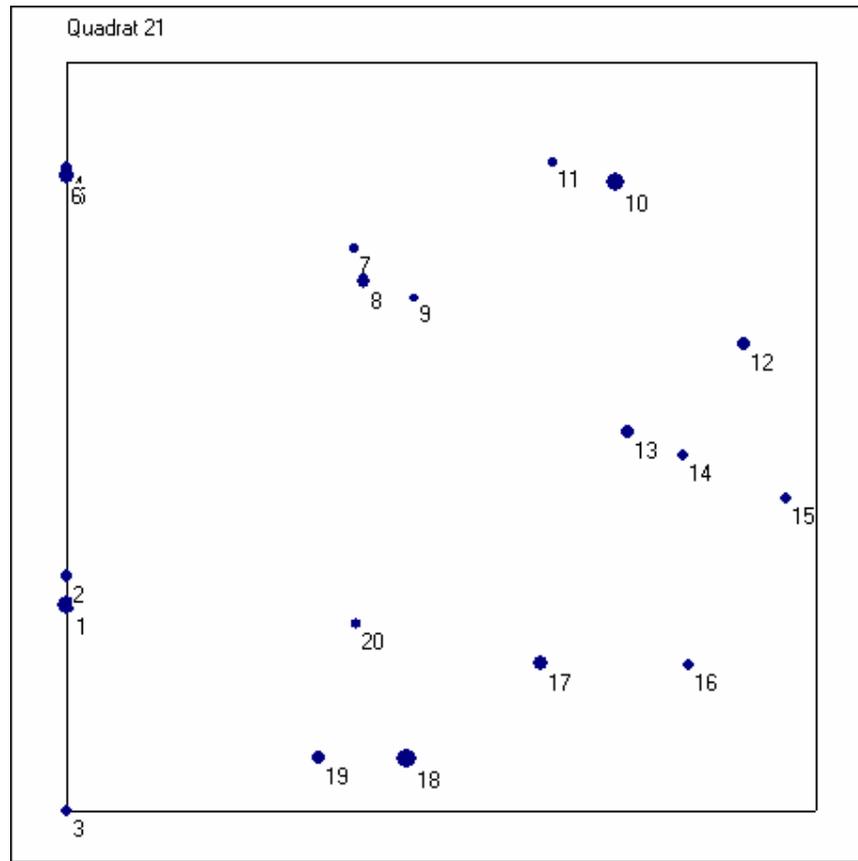
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.66	3.92	16.6	AS	9	PAUMAC	Pausinystalia macrocarpa
2	1	7.37	7.71	20.2	AS	10	DICGLA	Dichostemma glaucescens
3	1	6.79	16.77	19.8	AS	8	COUEDU	Coula edulis
4	1	9.61	14.79	10.8	AS	6	SCABLA	Scaphopetalum blackii
5	1	14.98	16.32	11	AS	10	PAUMAC	Pausinystalia macrocarpa
6	1	20	12.56	25.9	AS	28	OUBSP	Oubanguia sp
7	1	15.15	11.23	49.2	AS	30	SANTRI	Santiria trimera
8	1	18.91	10.52	38.9	AS	35	SCYKLA	Scytopetalum klaineana
9	1	16.85	6.75	11.5	AS	10	DACKLA	Dacryodes klaineana
10	1	20	7.69	14.8	AS	9	OUBSP	Oubanguia sp
11	1	13.3	8	12.5	AS	19	GRESUA	Greenwayodendron suaveolens
12	1	15.34	3.6	14.6	AS	8	SCABLA	Scaphopetalum blackii
13	1	15.31	2.36	22.8	AS	18	SCOZEN	Scorodophloeus zenkeri
14	1	10.23	9.96	16.5	AS	18	DIOSP	Diospyros sp.
15	1	10.19	10.01	13.5	AS	11	AFRLEP	Afrostryrax lepidophyllus

## Quadrat 20



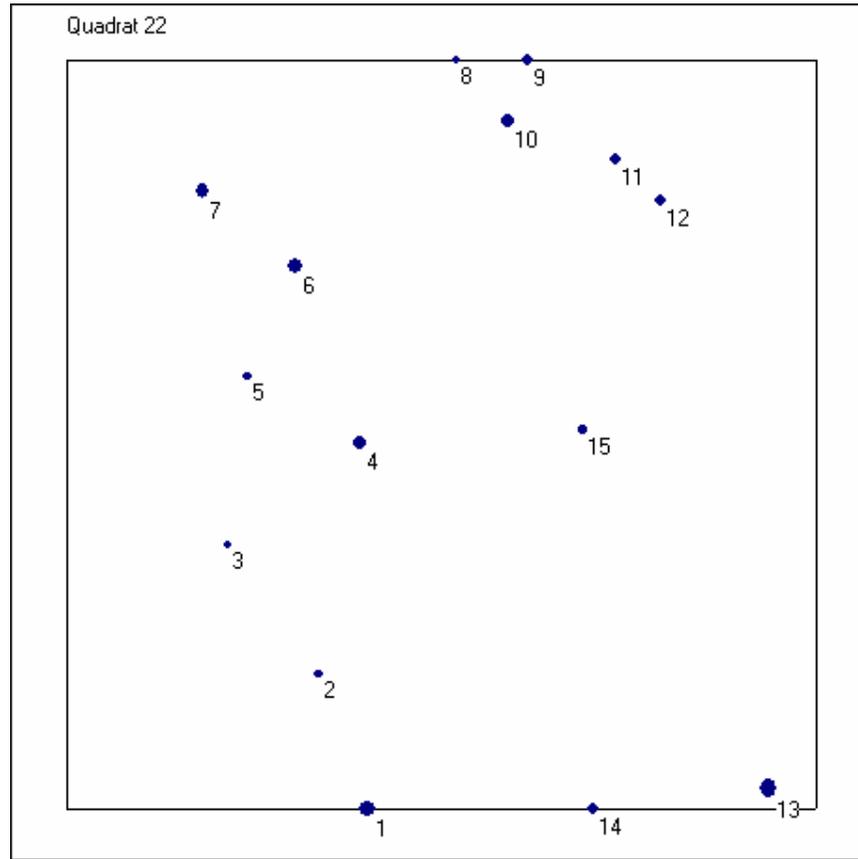
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.21	-1.59	12.3	AS	7	DACKLA	Dacryodes klaineana
2	1	3.73	-0.18	16.5	AS	14	CLEISP	Cleistanthus sp
3	1	3.81	2.16	23.4	AS	16	DACEDU	Dacryodes edulis
4	1	7.01	3.89	22	AS	10	TREOBO	Treculia obovoidea
5	1	4.42	5.19	16.4	AS	13	CLEISP	Cleistanthus sp
6	1	7.94	10.43	81.7	AS	40	TETBIF	Tetraberlinia bifoliolata
7	1	1.88	19.21	14.8	AS	10	CLEISP	Cleistanthus sp
8	1	4.46	15.29	24.5	AS	23	OUBSP	Oubanguia sp
9	1	8.49	17.57	24.5	AS	28	STAKAM	Staudtia kamerunensis
10	1	9.13	13.03	10.6	AS	45	DANSOY	Daniellia soyauxii
11	1	14.76	18.15	28.2	AS	18	DIOSP	Diospyros sp.
12	1	15.29	18.88	10.2	AS	15	DRYSP	Drypetes sp.
13	1	15.35	12.64	68.8	AS	30	SCOZEN	Scorodophloeus zenkeri
14	1	17.47	11.18	15.6	AS	8	PICNIT	Picalima nitida
15	1	20	11.04	10.1	AS	7	FILDIS	Fillaeopsis discophora
16	1	13.88	8.99	15.5	AS	13	SANTRI	Santiria trimera
17	1	15.71	7.73	21.5	AS	28	SAPOINDE	Sapindaceae
18	1	13.48	2.84	17	AS	8	SCOZEN	Scorodophloeus zenkeri
19	1	8.48	8.92	33.5	AS	15	AFRLEP	Afrostyrax lepidophyllus

### Quadrat 21



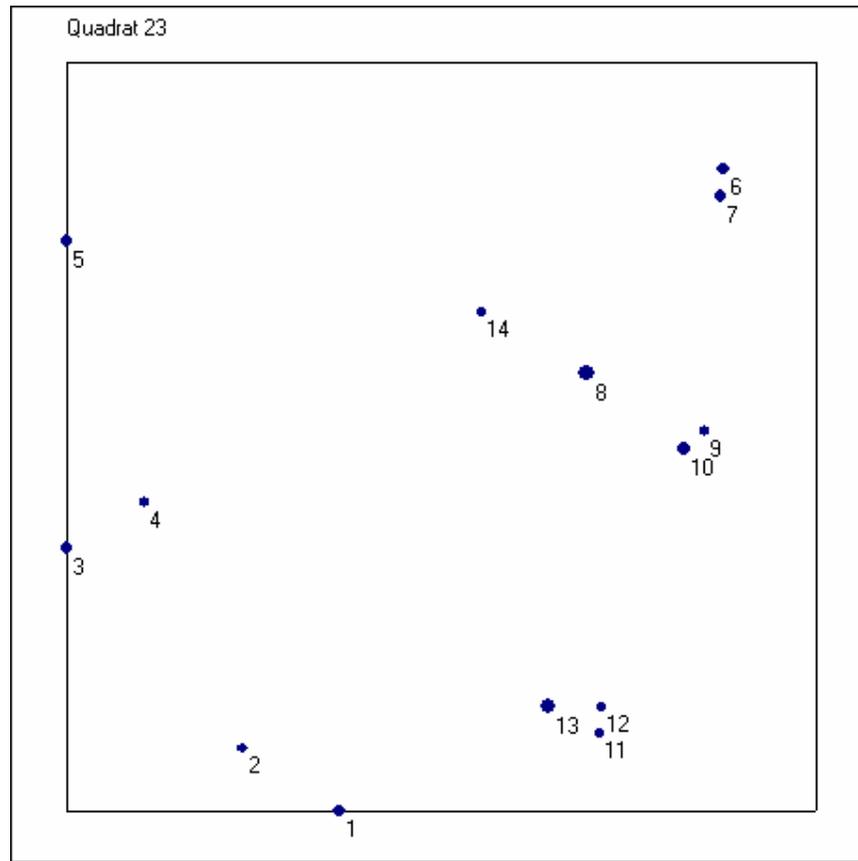
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0	5.51	53.1	AS	30	CLEISP	Cleistanthus sp
2	1	0	6.28	21.9	AS	9	MYRSER	Myrianthus serratus
3	1	0	0	17	AS	8	HEIPAR	Heisteria parvifolia
4	1	0	17.19	17.2	AS	20	OUBSP	Oubanguia sp
5	1	0	16.96	39.1	AS	25	PENEDT	Pentaclethra edtveldiana
6	1	0	16.86	12.8	AS	13	HEIPAR	Heisteria parvifolia
7	1	7.67	15.02	13.6	AS	8	HEIPAR	Heisteria parvifolia
8	1	7.94	14.15	27.5	AS	25	SCYKLA	Scytopetalum klaineum
9	1	9.27	13.71	11.2	AS	9	HEIPAR	Heisteria parvifolia
10	1	14.66	16.81	55.3	AS	35	PENEDT	Pentaclethra edtveldiana
11	1	12.98	17.35	12.8	AS	14	MICSP	Microdesmis sp.
12	1	18.06	12.46	28.7	AS	30	PENEDT	Pentaclethra edtveldiana
13	1	14.96	10.13	26.6	AS	25	DACMAC	Dacryodes macrophylla
14	1	16.44	9.51	16.1	AS	12	HEIPAR	Heisteria parvifolia
15	1	19.18	8.33	18.9	AS	10	STRGRA	Strombosia grandifolia
16	1	16.6	3.92	17.5	AS	12	COLACU	Cola acuminata
17	1	12.66	3.96	30.3	AS	18	BEISP	Beilschmiedia sp
18	1	9.07	1.4	61.7	AS	30	VITDON	Vitex doniana
19	1	6.72	1.42	21.5	AS	12	HEIPAR	Heisteria parvifolia
20	1	7.73	5	14.8	AS	8	HEIPAR	Heisteria parvifolia

## Quadrat 22



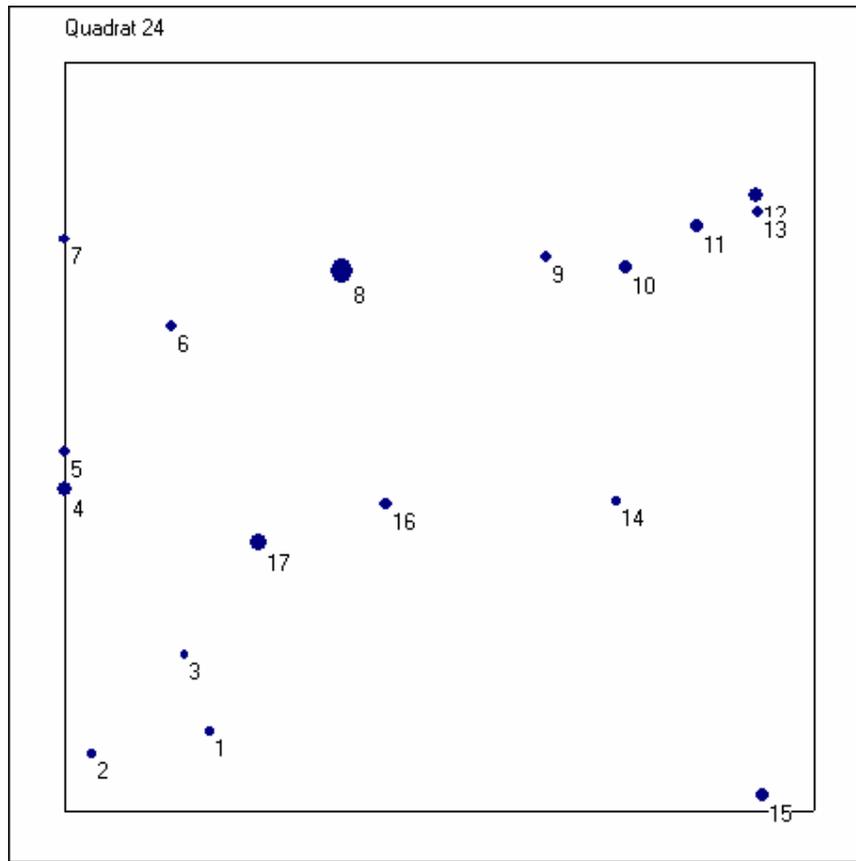
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	8.02	0	41.7	AS	20	MYRSER	Myrianthus serratus
2	1	6.73	3.6	12	AS	7	GRECOR	Grewia coriacea
3	1	4.3	7.05	10.1	AS	8	OUBSP	Oubanguia sp
4	1	7.83	9.77	21.8	AS	20	DANSOY	Daniellia soyauxii
5	1	4.83	11.56	11	AS	10	CLEISP	Cleistanthus sp
6	1	6.1	14.51	40.2	AS	30	PENEDT	Pentaclethra edtveldiana
7	1	3.62	16.5	29	AS	28	STRSER	Strombosiopsis serenii
8	1	10.39	20	11.8	AS	7	DACSP	Dacryodes sp.
9	1	12.28	20	18.7	AS	29	GRESUA	Greenwayodendron suaveolens
10	1	11.78	18.37	25.2	AS	8	SANTRI	Santiria trimera
11	1	14.63	17.34	19.1	AS	8	HEIPAR	Heisteria parvifolia
12	1	15.84	16.25	19.8	AS	9	BERSP	Berlinia sp
13	1	18.73	0.55	46.4	AS	35	GUASP	Guarea sp
14	1	14.05	0	22.8	AS	15	HEIPAR	Heisteria parvifolia
15	1	13.79	10.11	12.9	AS	8	DISCAL	Discoglyprema caloneura

### Quadrat 23



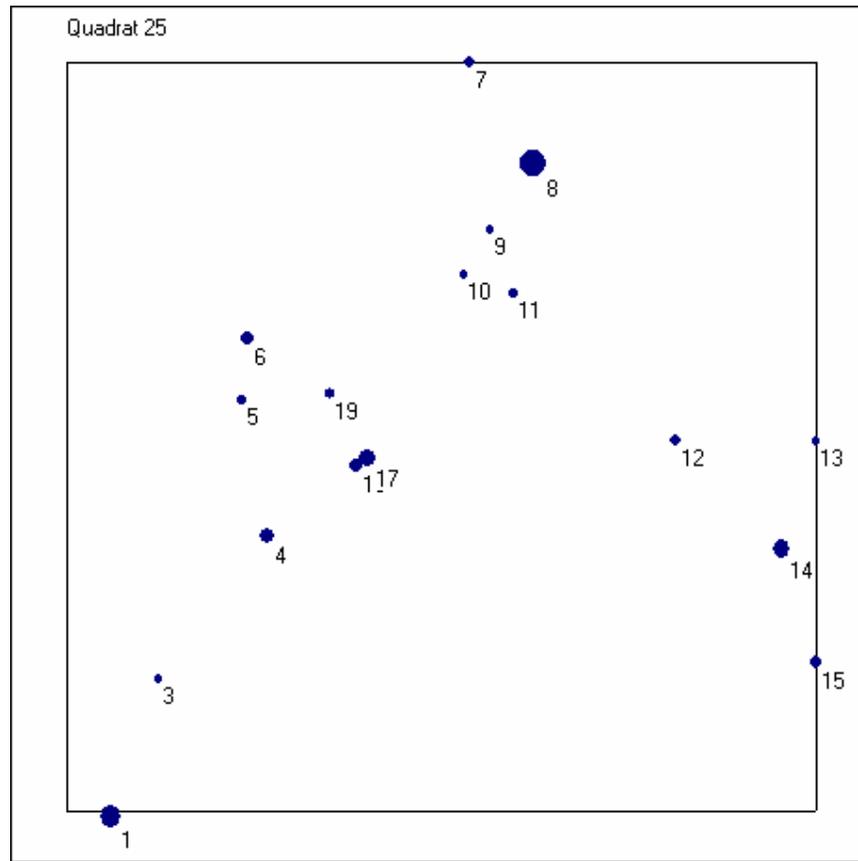
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.28	0	21.4	AS	18	STRPUS	Strombosia pustulata
2	1	4.71	1.67	16.7	AS	13	HEIPAR	Heisteria parvifolia
3	1	0	7.01	23.7	AS	30	GRESUA	Greenwayodendron suaveolens
4	1	2.07	8.27	18.8	AS	13	DACSP	Dacryodes sp.
5	1	0	15.23	22.3	AS	18	SCOZEN	Scorodophloeus zenkeri
6	1	17.51	17.15	25.1	AS	20	DACBUE	Dacryodes buettneri
7	1	17.45	16.41	22.4	AS	20	PENMAC	Pentaclethra macrophylla
8	1	13.88	11.69	40	AS	30	PENEDT	Pentaclethra edtveldiana
9	1	17.03	10.16	16.1	AS	10	DACEDU	Dacryodes edulis
10	1	16.48	9.66	25.1	AS	7	CALSP	Calpocalyx
11	1	14.23	2.09	10.8	AS	7	HEIPAR	Heisteria parvifolia
12	1	14.3	2.77	12.2	AS	15	DANSOY	Daniellia soyauxii
13	1	12.83	2.81	33.3	AS	28	PENEDT	Pentaclethra edtveldiana
14	1	11.07	13.31	13.3	AS	20	DACKLA	Dacryodes klaineana

### Quadrat 24



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.86	2.14	12.8	AS	15	SANTRI	Santiria trimera
2	1	0.74	1.53	14.4	AS	13	GRESUA	Greenwayodendron suaveolens
3	1	3.21	4.18	10.1	AS	11	XYLSP	Xylopia sp.
4	1	0	8.61	36.6	AS	30	SCOZEN	Scorodophloeus zenkeri
5	1	0	9.61	16.9	AS	12	STRSCH	Strombosia scheffleri
6	1	2.86	12.96	17	AS	20	GRESUA	Greenwayodendron suaveolens
7	1	0	15.27	14.9	AS	10	DRYSP	Drypetes sp.
8	1	7.4	14.42	84	AS	30	BLIWEL	Blighia welwitschii
9	1	12.86	14.8	18.6	AS	17	PICNIT	Picalima nitida
10	1	14.99	14.51	24.1	AS	18	SANTRI	Santiria trimera
11	1	16.89	15.64	26.8	AS	18	DACMAC	Dacryodes macrophylla
12	1	18.46	16.44	33.8	AS	28	DACEDU	Dacryodes edulis
13	1	18.49	15.99	21.7	AS	25	DACSP	Dacryodes sp.
14	1	14.72	8.27	12.7	AS	8	KLAGAB	Klaineanthus gabonae
15	1	18.63	0.41	26.6	AS	18	SANTRI	Santiria trimera
16	1	8.57	8.2	22.4	AS	15	SINLET	Sinderopsis letestui
17	1	5.18	7.18	37.8	AS	30	PYCANG	Pycnanthus angolensis

### Quadrat 25



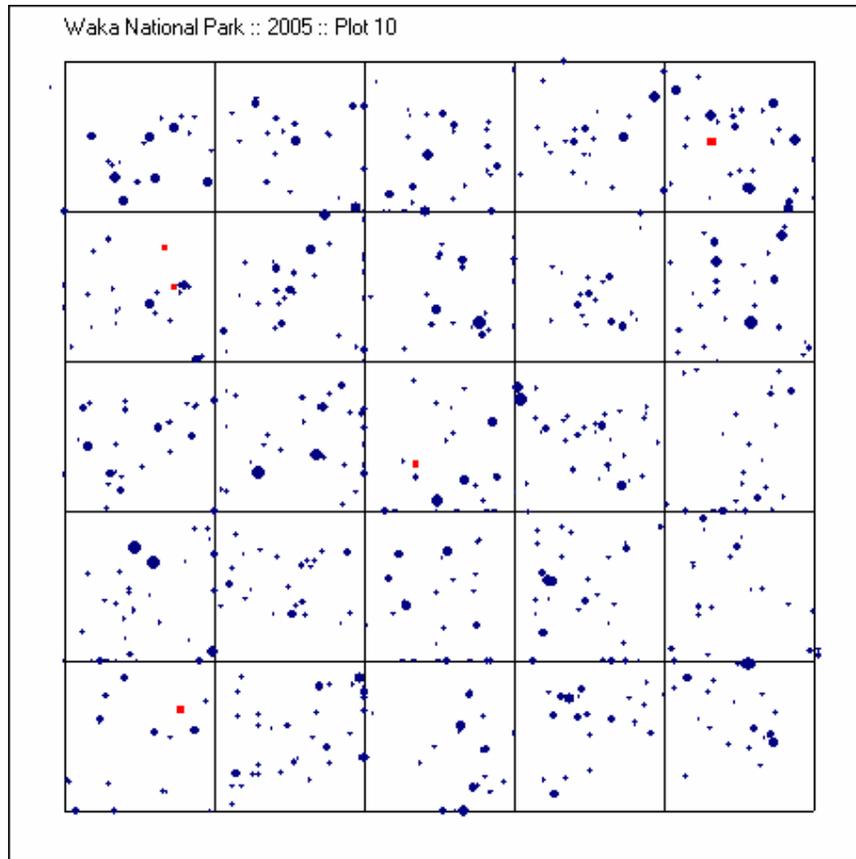
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.18	-0.16	72.9	AS	30	COUEDU	<i>Coula edulis</i>
2	1	2.47	-3.71	12.4	AS	9	GAREPU	<i>Garcinia epunctata</i>
3	1	2.44	3.53	10.3	AS	7	DACKLA	<i>Dacryodes klaineana</i>
4	1	5.35	7.33	35.3	AS	40	STAKAM	<i>Staudtia kamerunensis</i>
5	1	4.67	10.99	12.7	AS	10	AFRLEP	<i>Afrostryrax lepidophyllus</i>
6	1	4.83	12.62	22.2	AS	20	BEISP	<i>Beilschmiedia</i> sp
7	1	10.73	20	18.6	AS	13	SCABLA	<i>Scaphopetalum blackii</i>
8	1	12.46	17.28	113.7	AS	46	AUCKLA	<i>Aucoumea klaineana</i>
9	1	11.29	15.53	11.5	AS	10	SANTRI	<i>Santiria trimera</i>
10	1	10.59	14.32	10.3	AS	6	AFRKAM	<i>Afrostryrax kamerunensis</i>
11	1	11.92	13.82	17	AS	18	CLEISP	<i>Cleistanthus</i> sp
12	1	16.23	9.89	19.4	AS	15	TABSP	<i>Tabernaemontana</i> sp
13	1	20	9.88	10.5	AS	13	DACKLA	<i>Dacryodes klaineana</i>
14	1	19.09	7	49.1	AS	35	COUEDU	<i>Coula edulis</i>
15	1	20	3.97	25.1	AS	28	DACEDU	<i>Dacryodes edulis</i>
16	1	7.71	9.23	23.4	AS	12	DACSP	<i>Dacryodes</i> sp.
17	1	8.02	9.42	48.9	AS	30	PENEDT	<i>Pentaclethra edtveldiana</i>
19	1	7.03	11.16	15.2	AS	10	DACIGA	<i>Dacryodes iganganga</i>

### Plot 10

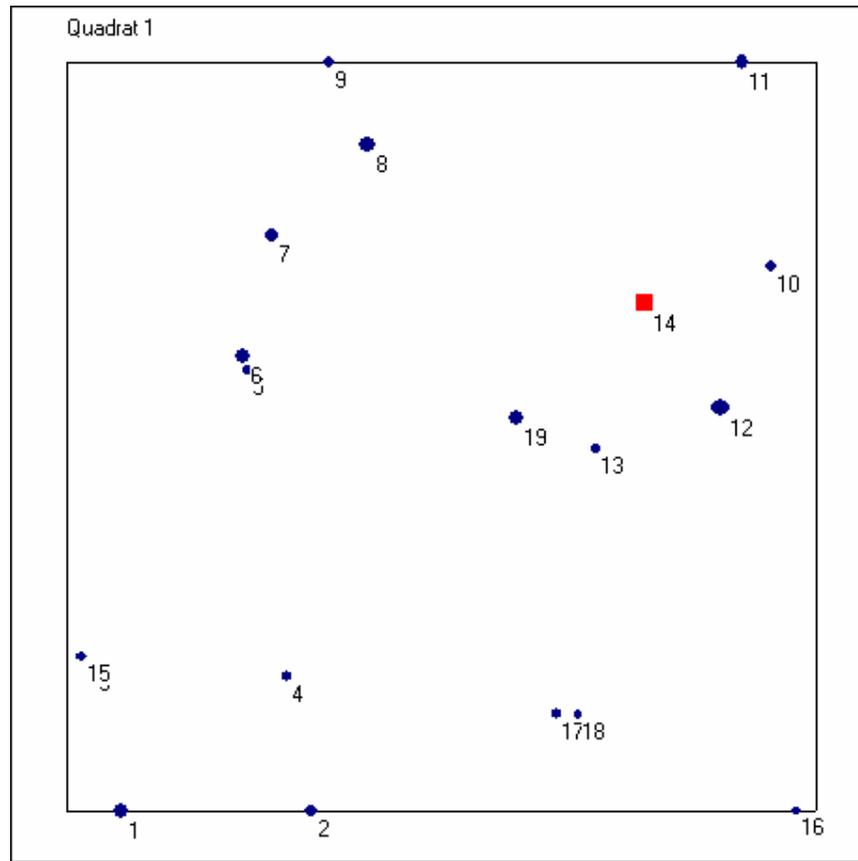
01°14,203' S  
011°07,041' E

Unlogged forest

569m a.s.l.

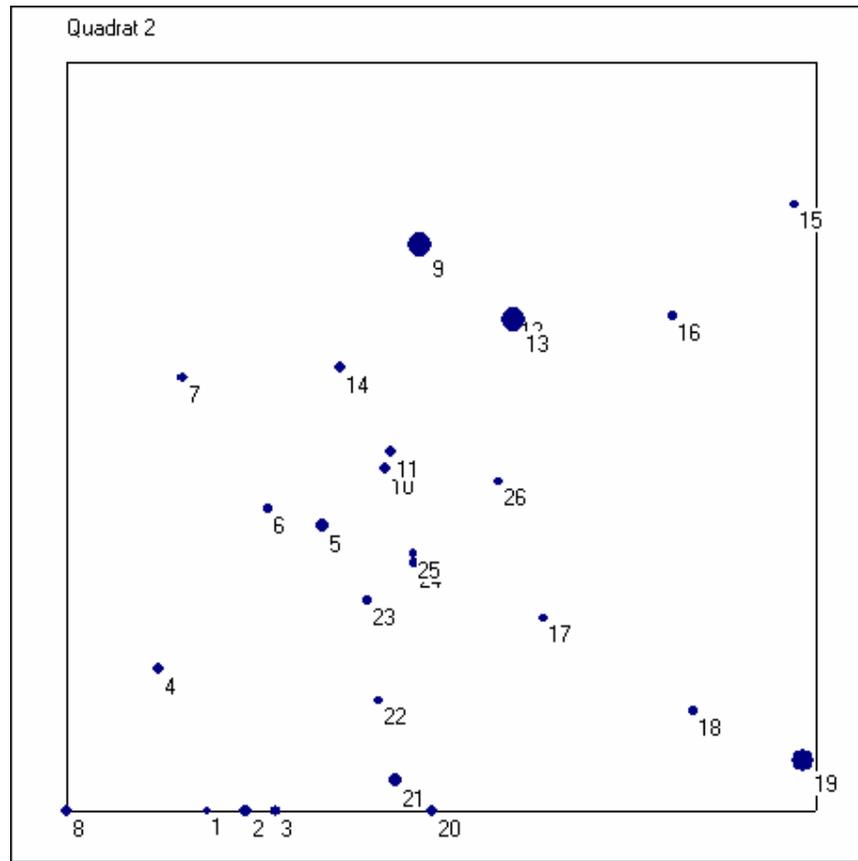


### Quadrat 1



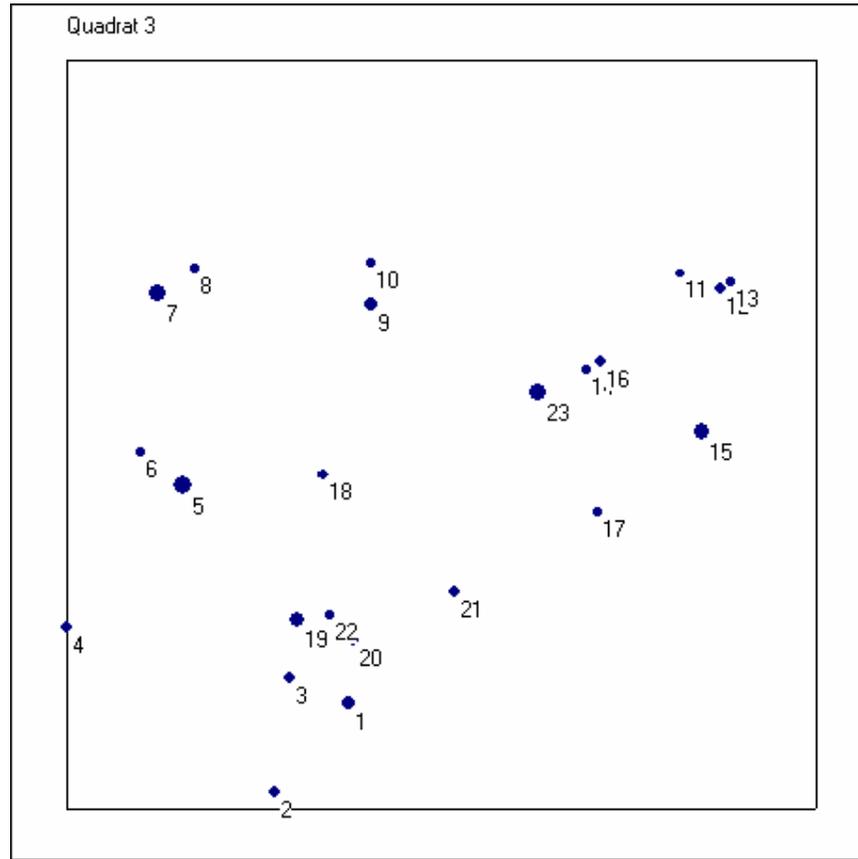
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.46	0	30	AS	20	PLAAFR	Plagiostyles africana
2	1	6.54	0	23.1	AS	20	BARFIS	Barteria fistulosa
3	1	0.73	3.86	14.5	AS	10	SANTRI	Santiria trimera
4	1	5.88	3.6	14	AS	12	DICGLA	Dichostemma glaucescens
5	1	4.8	11.77	13.3	AS	7	GARLUC	Garcinia lucida
6	1	4.71	12.16	34.6	AS	30	TRISP	Tricalysia sp.
7	1	5.47	15.36	23.6	AS	16	SANTRI	Santiria trimera
8	1	8.03	17.8	42.8	AS	30	CLEISP	Cleistanthus sp
9	1	6.99	20	16.2	AS	7	GARLUC	Garcinia lucida
10	1	18.81	14.56	20.7	AS	26	SANTRI	Santiria trimera
11	1	18.04	20	31.2	AS	25	DACKLA	Dacryodes klaineana
12	1	17.46	10.77	48	AS	30	IRVGAB	Irvingia gabonensis
13	1	14.14	9.69	12.3	AS	9	CONAFR	Conceveiba africana
14	1	15.43	13.57	33.5	AS	12	PLAAFR	Plagiostyles africana
14	2	15.43	13.57	17	AS	12	PLAAFR	Plagiostyles africana
14	3	15.43	13.57	16	AS	12	PLAAFR	Plagiostyles africana
15	1	0.39	4.13	16.4	AS	10	DACEDU	Dacryodes edulis
16	1	19.47	0	10.8	AS	9	ANISPI	Anisophyllea sp. 1
17	1	13.08	2.62	17.7	AS	16	DICGLA	Dichostemma glaucescens
18	1	13.66	2.57	10	AS	8	CONAFR	Conceveiba africana
19	1	11.99	10.5	34.7	AS	25	CLEISP	Cleistanthus sp

## Quadrat 2



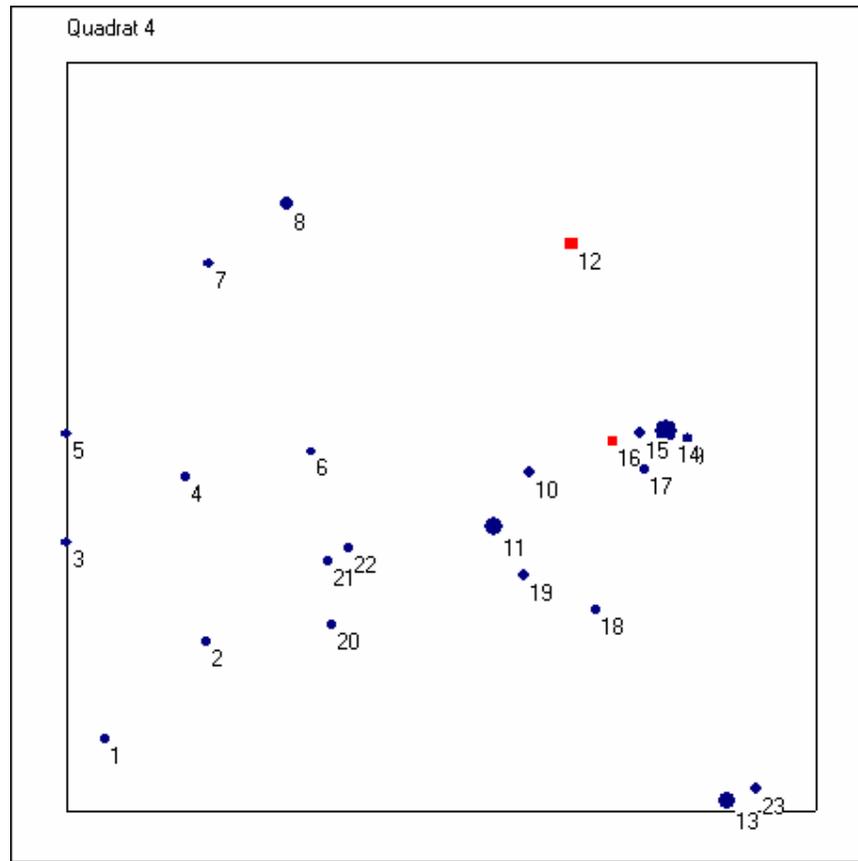
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.75	0	12.1	AS	10	GARLUC	<i>Garcinia lucida</i>
2	1	4.78	0	23	AS	26	DACEDU	<i>Dacryodes edulis</i>
3	1	5.58	0	14.1	AS	12	CONAFR	<i>Conceveiba africana</i>
4	1	2.46	3.8	17.5	AS	13	CLEISP	<i>Cleistanthus</i> sp
5	1	6.81	7.61	25.5	AS	25	SANTRI	<i>Santiria trimera</i>
6	1	5.39	8.06	11.9	AS	8	CONAFR	<i>Conceveiba africana</i>
7	1	3.09	11.57	17.2	AS	15	GAREPU	<i>Garcinia epunctata</i>
8	1	0	0	16.1	AS	11	DACEDU	<i>Dacryodes edulis</i>
9	1	9.44	15.12	101.2	AS	35	AUCKLA	<i>Aucoumea klaineana</i>
10	1	8.51	9.17	18.5	AS	16	DACKLA	<i>Dacryodes klaineana</i>
11	1	8.64	9.6	15.7	AS	18	GRESUA	<i>Greenwayodendron suaveolens</i>
12	1	11.99	13.26	13.2	AS	7	CONAFR	<i>Conceveiba africana</i>
13	1	11.91	13.12	92.2	AS	35	AUCKLA	<i>Aucoumea klaineana</i>
14	1	7.29	11.87	17.3	AS	15	SANTRI	<i>Santiria trimera</i>
15	1	19.44	16.2	12.2	AS	7	CONAFR	<i>Conceveiba africana</i>
16	1	16.18	13.21	12.1	AS	10	CENGLA	<i>Centroplocus glaucinus</i>
17	1	12.72	5.15	12.3	AS	9	DICGLA	<i>Dichostemma glaucescens</i>
18	1	16.72	2.69	10.4	AS	8	CONAFR	<i>Conceveiba africana</i>
19	1	19.66	1.33	78.5	AS	28	AUCKLA	<i>Aucoumea klaineana</i>
20	1	9.74	0	17.9	AS	10	TREOBO	<i>Treculia obovoidea</i>
21	1	8.78	0.84	27.1	AS	27	PENBUT	<i>Pentadesma butyracea</i>
22	1	8.31	2.95	11.4	AS	8	GARLUC	<i>Garcinia lucida</i>
23	1	8	5.63	13.5	AS	27	TETBIF	<i>Tetraberlinia bifoliolata</i>
24	1	9.26	6.63	10	AS	7	TREOBO	<i>Treculia obovoidea</i>
25	1	9.25	6.88	11.5	AS	15	DICGLA	<i>Dichostemma glaucescens</i>
26	1	11.52	8.8	11	AS	10	DACEDU	<i>Dacryodes edulis</i>

### Quadrat 3



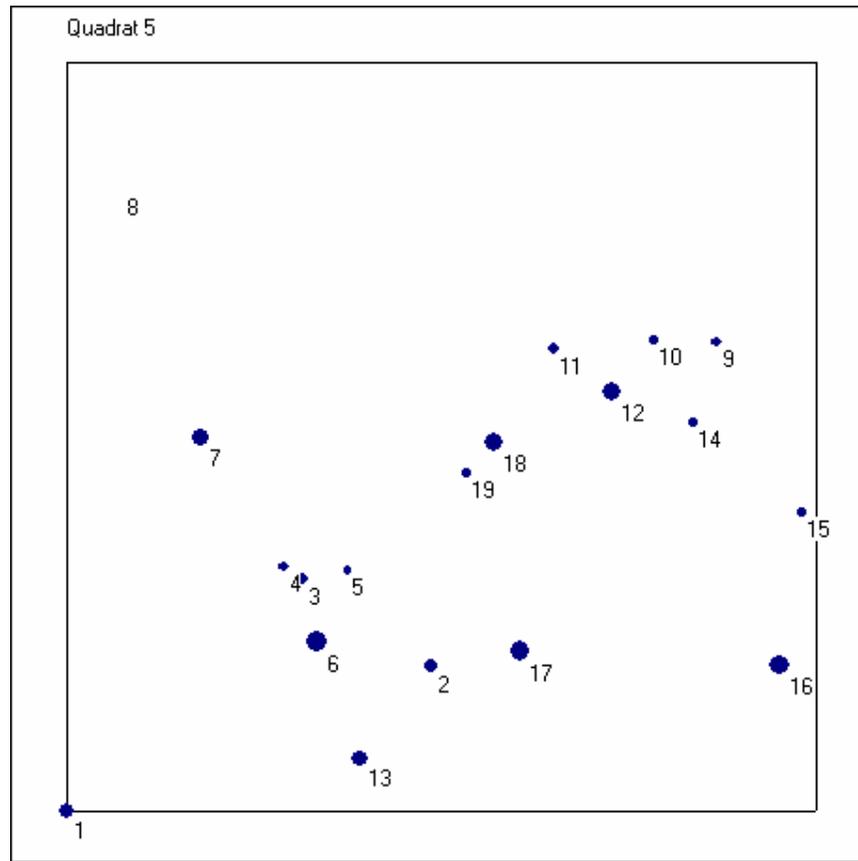
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.54	2.83	29.1	AS	30	CLEISP	Cleistanthus sp
2	1	5.57	0.47	17.8	AS	11	SYMGLO	Symphonia globulifera
3	1	5.96	3.5	15.9	AS	12	SANTRI	Santiria trimera
4	1	0	4.85	16.4	AS	13	TREOBO	Treculia obovoidea
5	1	3.12	8.66	55.7	AS	38	SCYOCH	Scyphocephalum ochocoa
6	1	2	9.52	13.5	AS	15	COUEDU	Coula edulis
7	1	2.42	13.76	39.5	AS	30	EUPINDET	Euphorbiaceae
8	1	3.42	14.42	15.4	AS	11	MICSP	Microdesmis sp.
9	1	8.11	13.48	29.5	AS	25	GRECOR	Grewia coriacea
10	1	8.12	14.58	12	AS	7	MICSP	Microdesmis sp.
11	1	16.38	14.3	12	AS	7	CENGLA	Centroplacus glaucinus
12	1	17.44	13.92	20	AS	19	PENBUT	Pentadesma butyracea
13	1	17.73	14.07	14.5	AS	11	MICSP	Microdesmis sp.
14	1	13.86	11.71	13	AS	7	SANTRI	Santiria trimera
15	1	16.95	10.07	37.6	AS	30	PENMAC	Pentaclethra macrophylla
16	1	14.25	11.94	17.3	AS	10	DACEDU	Dacryodes edulis
17	1	14.19	7.93	13.9	AS	10	MICSP	Microdesmis sp.
18	1	6.85	8.91	15.4	AS	8	TREOBO	Treculia obovoidea
19	1	6.14	5.05	37	AS	35	STAKAM	Staudtia kamerunensis
20	1	7.65	4.5	18	AS	15	FLAINDET	Flacourtiaceae
21	1	10.35	5.79	18.2	AS	10	GAREPU	Garcinia epunctata
22	1	7.03	5.19	12.3	AS	7	DRYSP	Drypetes sp.
23	1	12.56	11.12	43.3	AS	30	DACIGA	Dacryodes iganganga

### Quadrat 4



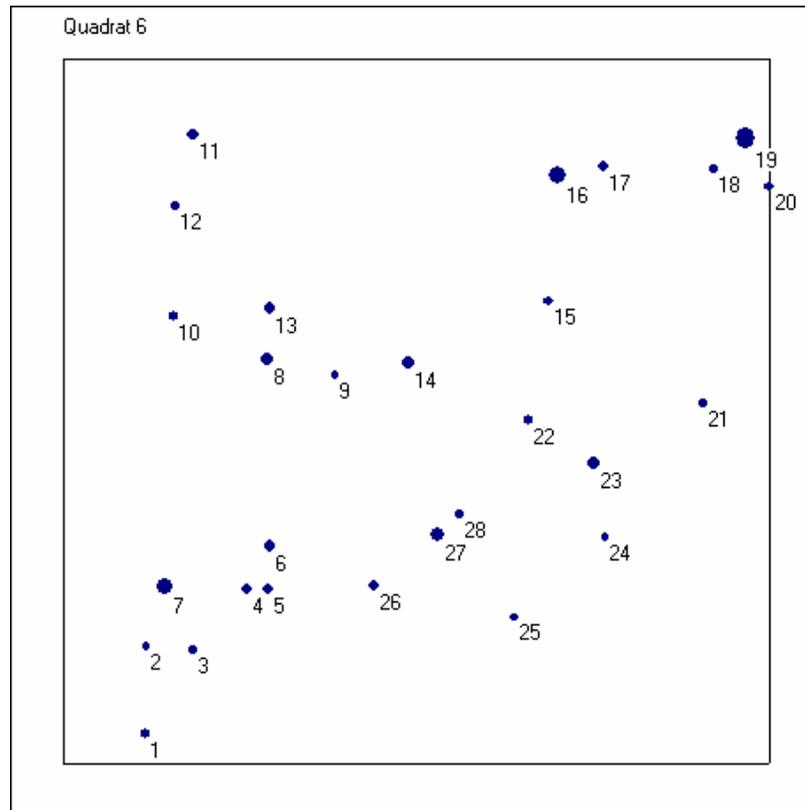
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.02	1.93	13.1	AS	6	MICSP	Microdesmis sp.
2	1	3.71	4.51	13	AS	7	DACIGA	Dacryodes iganganga
3	1	0	7.18	16.9	AS	8	MICSP	Microdesmis sp.
4	1	3.17	8.95	14	AS	6	MICSP	Microdesmis sp.
5	1	0	10.07	16.5	AS	7	MICSP	Microdesmis sp.
6	1	6.53	9.61	11.2	AS	8	SCABLA	Scaphopetallum blackii
7	1	3.79	14.62	17.2	AS	9	MICSP	Microdesmis sp.
8	1	5.87	16.22	29.9	AS	30	COUEDU	Coula edulis
9	1	16.57	9.95	14.5	AS	18	INDET	
10	1	12.34	9.04	19.2	AS	14	GRECOR	Grewia coriacea
11	1	11.4	7.61	60	AS	42	DESGLA	Desbordesia glaucescens
12	1	13.46	15.16	16	AS	7	MICSP	Microdesmis sp.
12	2	13.46	15.16	16	AS	7	MICSP	Microdesmis sp.
13	1	17.63	0.29	43.1	AS	35	ARASOY	Araliopsis soyauxii
14	1	16.02	10.13	78.6	AS	40	AUCKLA	Aucoumea klaineana
15	1	15.28	10.11	18.3	AS	7	SCABLA	Scaphopetallum blackii
16	1	14.58	9.87	11	AS	7	SCABLA	Scaphopetallum blackii
16	2	14.58	9.87	11.4	AS	7	SCABLA	Scaphopetallum blackii
17	1	15.43	9.12	10.1	AS	10	STRPUS	Strombosia pustulata
18	1	14.11	5.37	14.9	AS	8	HEIPAR	Heisteria parvifolia
19	1	12.19	6.3	23.1	AS	25	COUEDU	Coula edulis
20	1	7.07	4.96	11.7	AS	7	SCABLA	Scaphopetallum blackii
21	1	6.99	6.66	11.2	AS	6	ANNMAN	Annonidium mannii
22	1	7.54	7.03	13.6	AS	6	MICSP	Microdesmis sp.
23	1	18.4	0.6	17.8	AS	18	MEMSP	Memecylon sp

### Quadrat 5



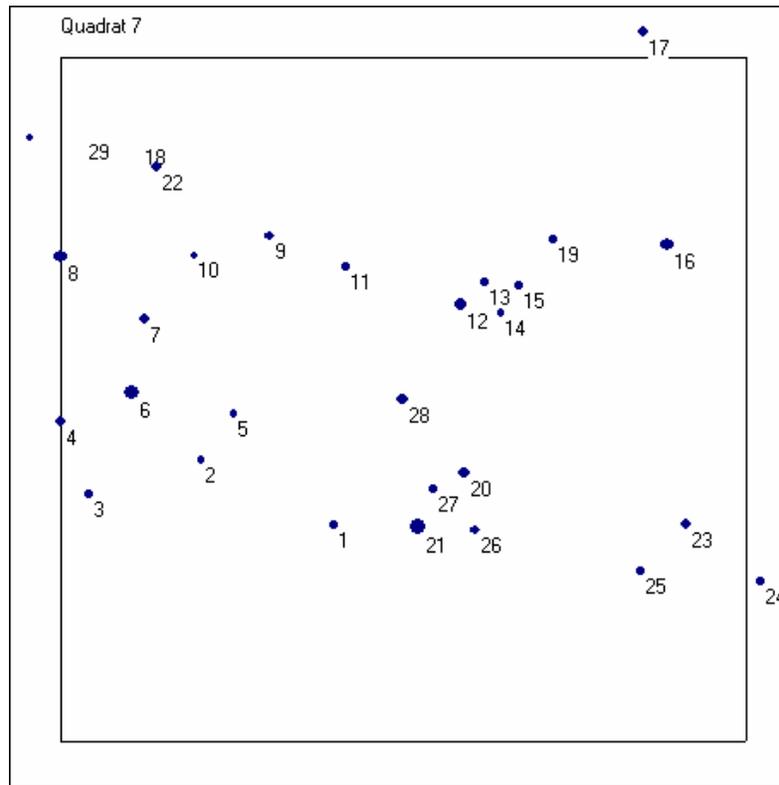
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0	0	32.9	AS	13	HEIPAR	Heisteria parvifolia
2	1	9.74	3.87	29.6	AS	25	DIOZEN	Diospyros zenkeri
3	1	6.29	6.2	17.2	AS	14	GRECOR	Grewia coriacea
4	1	5.78	6.52	18.6	AS	16	COUEDU	Coula edulis
5	1	7.51	6.42	10.4	AS	6	MICSP	Microdesmis sp.
6	1	6.68	4.52	73.9	AS	30	DISBEN	Disteminanthus benthamianus
7	1	3.57	9.97	42.9	AS	30	PENEDT	Pentaclethra edtveldiana
8	1	-1.72	16.54	10.06	AS	5	SCABLA	Scaphopetalum blackii
9	1	17.35	12.52	14.5	AS	9	RUBINDET	Rubiaceae
10	1	15.68	12.57	15.4	AS	17	INDET	
11	1	13	12.34	17.3	AS	8	MICSP	Microdesmis sp.
12	1	14.54	11.21	53.9	AS	35	ARASOY	Araliopsis soyauxii
13	1	7.84	1.4	43	AS	30	ANISP3	Anisophyllea sp. 3
14	1	16.74	10.39	13.9	AS	13	MICSP	Microdesmis sp.
15	1	19.64	7.96	11.4	AS	11	MICSP	Microdesmis sp.
16	1	19.02	3.91	56.2	AS	30	GARSP	Garcinia sp.
17	1	12.1	4.27	58.2	AS	40	PIPAFR	Piptadeniastrum africanum
18	1	11.4	9.84	52.2	DS	30	INDET	
19	1	10.67	9.04	11.9	AS	10	SANTRI	Santiria trimera

## Quadrat 6



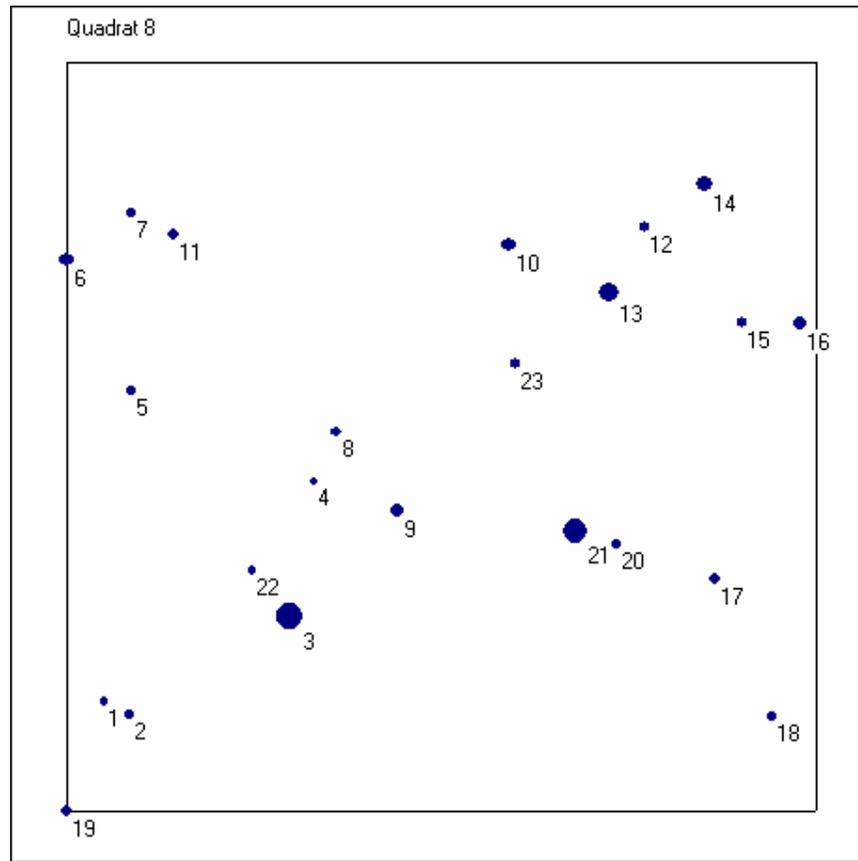
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.33	0.85	16.2	AS	9	PAREXC	Parinari excelsa
2	1	2.35	3.32	10.9	AS	7	SANTRI	Santiria trimera
3	1	3.66	3.23	12.8	AS	10	TETBIF	Tetraberlinia bifoliolata
4	1	5.21	4.95	20.8	AS	18	CLEISP	Cleistanthus sp.
5	1	5.81	4.94	18.4	AS	11	DACSP	Dacryodes sp.
6	1	5.84	6.16	24.3	AS	12	TETBIF	Tetraberlinia bifoliolata
7	1	2.86	5.02	47	AS	30	SCYOCH	Scyphocephalum ochocoa
8	1	5.77	11.48	21.3	AS	10	PLAAFR	Plagiostyles africana
9	1	7.69	11.02	11.5	AS	9	GAREPU	Garcinia epunctata
10	1	3.13	12.68	17.5	AS	7	DRYSP	Drypetes sp.
11	1	3.68	17.84	20.9	AS	20	DACEDU	Dacryodes edulis
12	1	3.15	15.82	13.2	AS	7	DACKLA	Dacryodes klaineana
13	1	5.85	12.93	26	AS	15	PENBUT	Pentadesma butyracea
14	1	9.78	11.37	30.4	AS	25	PENBUT	Pentadesma butyracea
15	1	13.74	13.13	17.9	AS	11	EUPINDET	Euphorbiaceae
16	1	13.99	16.71	51	AS	35	SCYOCH	Scyphocephalum ochocoa
17	1	15.31	16.97	20.9	AS	20	CLEISP	Cleistanthus sp.
18	1	18.44	16.88	12.3	AS	7	SCABLA	Scaphopetalum blackii
19	1	19.33	17.75	69.5	AS	38	IRVGAB	Irvingia gabonensis
20	1	20	16.38	13.9	AS	13	DACEDU	Dacryodes edulis
21	1	18.11	10.21	11.4	AS	12	STRSCH	Strombosia scheffleri
22	1	13.16	9.75	13.9	AS	8	CLEISP	Cleistanthus sp.
23	1	15.03	8.51	23.5	AS	25	PENBUT	Pentadesma butyracea
24	1	15.35	6.42	11.4	AS	12	GARLUC	Garcinia lucida
25	1	12.79	4.16	11	AS	12	TRISP	Tricalysia sp.
26	1	8.79	5.05	16.8	AS	14	SANTRI	Santiria trimera
27	1	10.61	6.51	31.2	AS	20	DIOSP	Diospyros sp.
28	1	11.21	7.08	10	AS	8	EUPINDET	Euphorbiaceae

### Quadrat 7



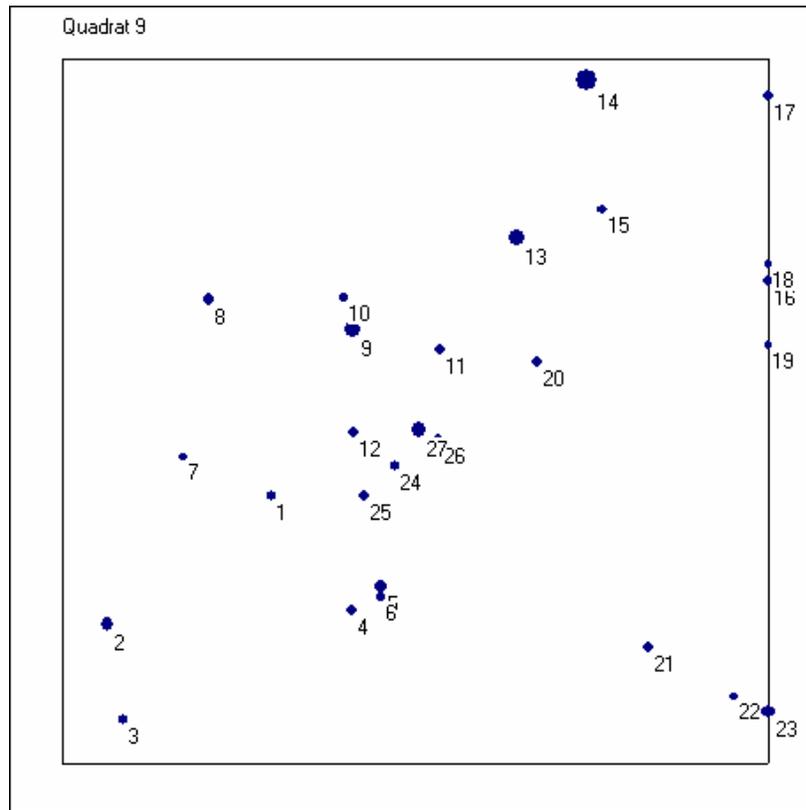
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.96	6.31	10.7	AS	10	GARLUC	Garcinia lucida
2	1	4.1	8.23	11.2	AS	9	SANTRI	Santiria trimera
3	1	0.81	7.24	14	AS	13	STRTET	Strombosia tetandra
4	1	0	9.37	20.2	AS	14	SYZSP	Syzygium sp
5	1	5.05	9.57	11.6	AS	13	GARSME	Garcinia smeathmannii
6	1	2.07	10.19	37.5	AS	25	SCYKLA	Scytopetalum klaineianum
7	1	2.43	12.36	18.6	AS	20	TETBIF	Tetraberlinia bifoliolata
8	1	0	14.19	28.8	AS	30	CHRSP	Chrysophyllum sp
9	1	6.09	14.77	15.5	AS	9	GARLUC	Garcinia lucida
10	1	3.91	14.21	10.2	AS	7	SCABLA	Scaphopetalum blackii
11	1	8.32	13.88	14.4	AS	13	DACSP	Dacryodes sp.
12	1	11.66	12.78	25.7	AS	14	SANTRI	Santiria trimera
13	1	12.37	13.41	12.8	AS	12	GARLUC	Garcinia lucida
14	1	12.85	12.54	12.3	AS	12	DICGLA	Dichostemma glaucescens
15	1	13.38	13.31	14.9	AS	16	TETBIF	Tetraberlinia bifoliolata
16	1	17.69	14.52	30.6	AS	30	TETBIF	Tetraberlinia bifoliolata
17	1	17.01	20.75	19.5	AS	20	DRYSP	Drypetes sp.
18	1	-2.64	17.56	23.6	AS	25	STRSP	Strombosia sp
19	1	14.38	14.66	12.2	AS	16	TRICHSP	Trichoscypha sp.
20	1	11.77	7.86	21.8	AS	15	DRYSP	Drypetes sp.
21	4	10.4	6.28	44	AS	30	CAVSP	Cavacoa sp
22	1	2.81	16.81	18.7	AS	21	STRSER	Strombosiopsis serenii
23	1	18.24	6.36	18.7	AS	21	SANTRI	Santiria trimera
24	1	20.42	4.67	10.5	AS	9	CONAFR	Conceveiba africana
25	1	16.91	4.96	10.8	AS	9	CONAFR	Conceveiba africana
26	1	12.1	6.19	14.3	AS	13	TREOBO	Treculia obovoidea
27	1	10.88	7.37	14.4	AS	10	DACKLA	Dacryodes klaineana
28	1	9.97	9.99	19.7	AS	20	APHMIC	Aphanocalyx microphyllus
29	1	-0.9	17.65	10.8	AS	8	SANTRI	Santiria trimera

### Quadrat 8



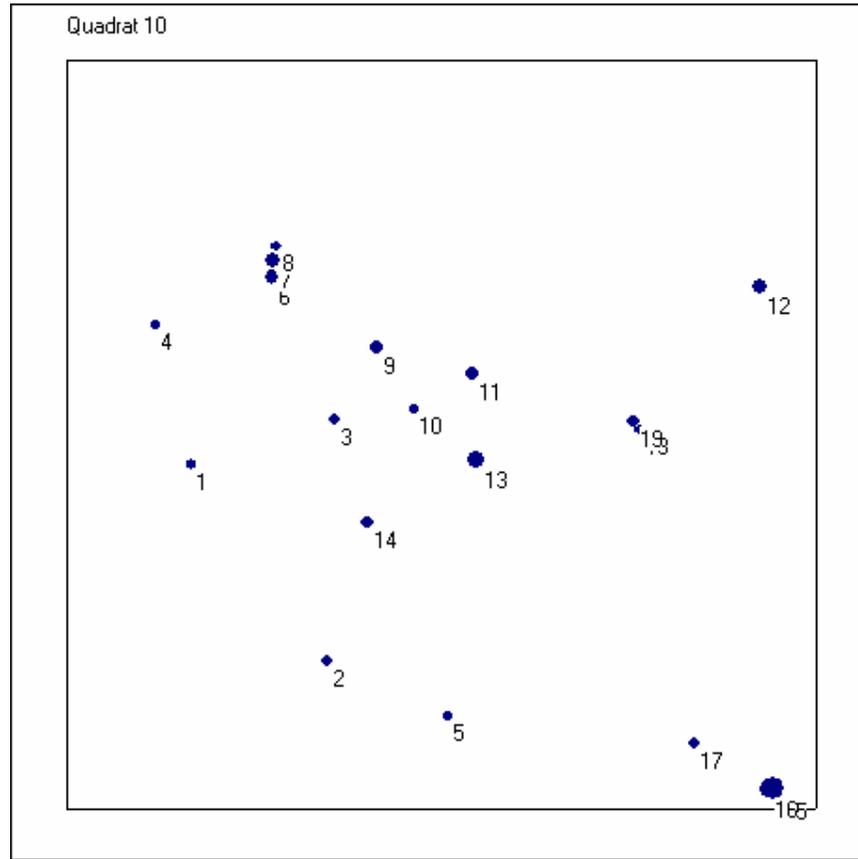
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1	2.91	12.1	AS	10	DACKLA	Dacryodes klaineana
2	1	1.69	2.59	13.7	AS	10	TREOBO	Treculia obovoidea
3	1	5.95	5.21	98.9	AS	35	TETPOL	Tetraberlinia polyphylla
4	1	6.6	8.79	11.4	AS	9	TRICHABU	Trichoscypha abut
5	1	1.72	11.23	14.5	AS	11	MICSP	Microdesmis sp.
6	1	0	14.72	28.3	AS	30	SANTRI	Santiria trimera
7	1	1.74	15.97	13.5	AS	15	MICSP	Microdesmis sp.
8	1	7.21	10.12	16.8	AS	17	DACKLA	Dacryodes klaineana
9	1	8.82	8.04	22.9	AS	12	GARLUC	Garcinia lucida
10	1	11.8	15.12	28	AS	18	SANTRI	Santiria trimera
11	1	2.87	15.41	19.3	AS	20	OCHSES	Ochthocosmos sessiliflorus
12	1	15.43	15.59	16.3	AS	10	TABSP	Tabernaemontana sp
13	1	14.48	13.85	65.8	AS	30	AUCKLA	Aucoumea klaineana
14	1	17.02	16.75	37	AS	25	SANTRI	Santiria trimera
15	1	18.03	13.05	17.3	AS	11	TREOBO	Treculia obovoidea
16	1	19.56	13.01	26.1	AS	18	SANTRI	Santiria trimera
17	1	17.3	6.2	21.6	AS	14	SAPOINDE	Sapindaceae
18	1	18.83	2.54	14.5	AS	20	MAREXC	Marquesia excelsa
19	1	0	0	22.4	AS	25	TREOBO	Treculia obovoidea
20	1	14.65	7.14	12.6	AS	20	CALSP	Calpocalyx sp.
21	1	13.56	7.48	98	AS	40	TETPOL	Tetraberlinia polyphylla
22	1	4.94	6.42	10.1	AS	11	INDET	
23	1	11.98	11.95	14.5	AS	12	DRYSP	Drypetes sp.

### Quadrat 9



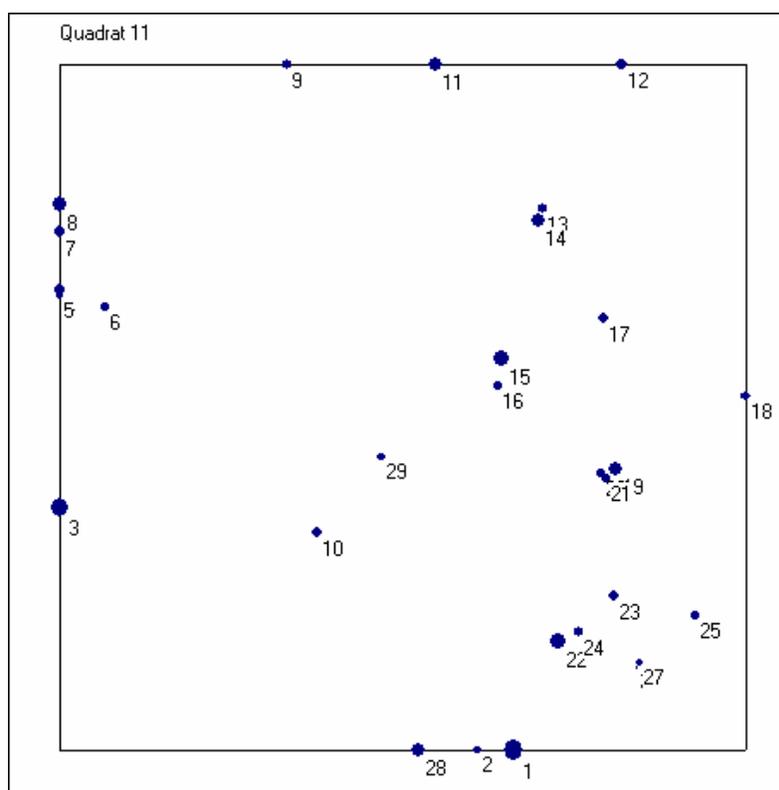
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.92	7.61	15.6	AS	10	CENGLA	Centropalpus glaucinus
2	1	1.26	3.95	29.8	AS	16	COUEDU	Coula edulis
3	1	1.73	1.26	16.2	AS	10	MICSP	Microdesmis sp.
4	1	8.19	4.36	16.6	AS	8	ANISP3	Anisophyllea sp. 3
5	1	9.02	5.04	26.8	AS	20	PAREXC	Parinari excelsa
6	1	9	4.72	13.1	AS	11	GARLUC	Garcinia lucida
7	1	3.43	8.69	10.2	AS	10	PLAAFR	Plagiostyles africana
8	1	4.15	13.18	21.4	AS	20	COUEDU	Coula edulis
9	1	8.22	12.33	48	AS	10	INDET	
10	1	7.98	13.23	16	AS	12	CENGLA	Centropalpus glaucinus
11	1	10.69	11.76	24.5	AS	15	SYZSP	Syzygium sp
12	1	8.26	9.41	20.8	AS	15	CENGLA	Centropalpus glaucinus
13	1	12.87	14.92	53.3	AS	30	SCYOCH	Scyphocephalum ochocoa
14	1	14.84	19.41	78.6	AS	35	GUACED	Guarea cedrata
15	1	15.29	15.72	16.8	AS	18	PAREXC	Parinari excelsa
16	1	20	13.71	16.8	AS	18	GAREPU	Garcinia epunctata
17	1	20	18.95	15.6	AS	12	MICSP	Microdesmis sp.
18	1	20	14.19	12.7	AS	13	MICSP	Microdesmis sp.
19	1	20	11.88	11.8	AS	13	MICSP	Microdesmis sp.
20	1	13.44	11.4	15.4	AS	16	PAREXC	Parinari excelsa
21	1	16.6	3.31	20.8	AS	25	PAREXC	Parinari excelsa
22	1	19.02	1.89	10.6	AS	10	GARLUC	Garcinia lucida
23	1	20	1.49	27	AS	30	OCHSES	Ochthocosmos sessiliflorus
24	1	9.42	8.46	16.8	AS	7	MICSP	Microdesmis sp.
25	1	8.54	7.6	20	AS	18	CENGLA	Centropalpus glaucinus
26	1	10.65	9.18	19.5	AS	15	MICSP	Microdesmis sp.
27	1	10.1	9.49	42.2	AS	30	GARSP	Garcinia sp.

## Quadrat 10



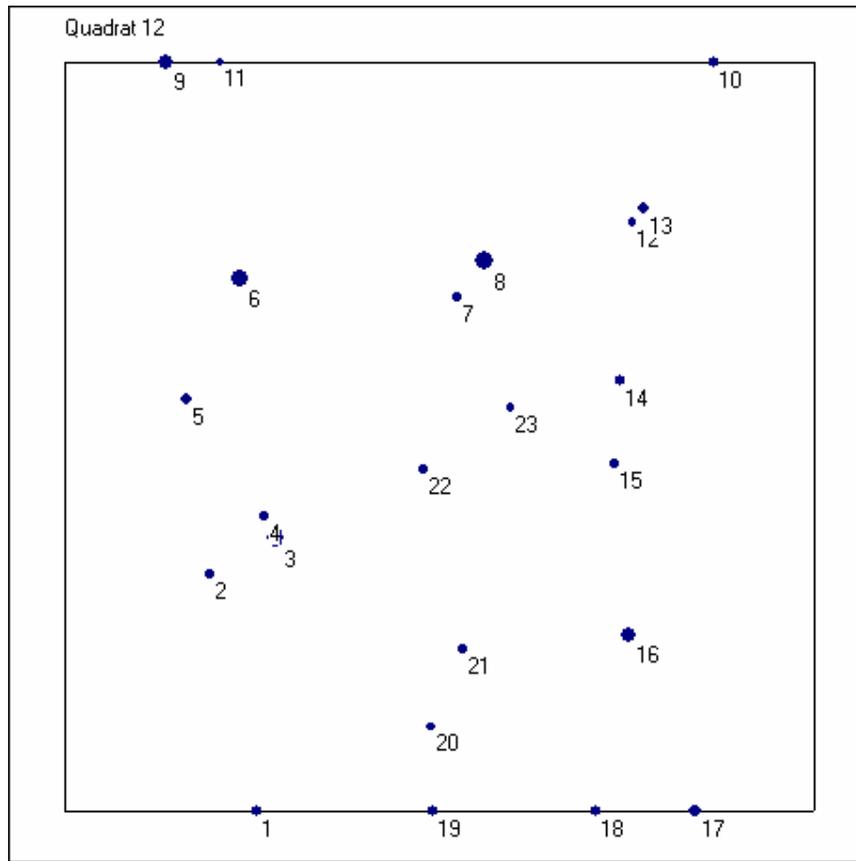
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.34	9.2	14.3	AS	7	MICSP	Microdesmis sp.
2	1	6.95	3.95	25	AS	20	GARSP	Garcinia sp.
3	1	7.15	10.41	21	AS	20	DRYSP	Drypetes sp.
4	1	2.39	12.94	12.3	AS	18	MICSP	Microdesmis sp.
5	1	10.18	2.49	15.4	AS	20	MICSP	Microdesmis sp.
6	1	5.47	14.2	30.5	AS	30	BAPBUE	Baphia buetterii
7	1	5.51	14.64	30.5	AS	30	LOVTRI	Lovao trichilioides
8	1	5.59	15.03	16.3	AS	25	DICGLA	Dichostemma glaucescens
9	1	8.27	12.33	23.9	AS	25	GRECOR	Grewia coriacea
10	1	9.27	10.66	13	AS	20	DRYSP	Drypetes sp.
11	1	10.81	11.61	27.2	AS	16	DACEDU	Dacryodes edulis
12	1	18.51	13.93	36	AS	25	SANTRI	Santiria trimera
13	1	10.92	9.33	42	AS	30	CLEISP	Cleistanthus sp
14	1	8.03	7.64	21	AS	12	GARSP	Garcinia sp.
15	1	18.86	0.56	74	DS	30	INDET	
16	1	18.7	0.52	39.2	AS	25	SANTRI	Santiria trimera
17	1	16.74	1.76	16	AS	7	MICSP	Microdesmis sp.
18	1	15.3	10.12	16	AS	7	COUEDU	Coula edulis
19	1	15.1	10.35	25.9	AS	25	PLAAFR	Plagiostyles africana

### Quadrat 11



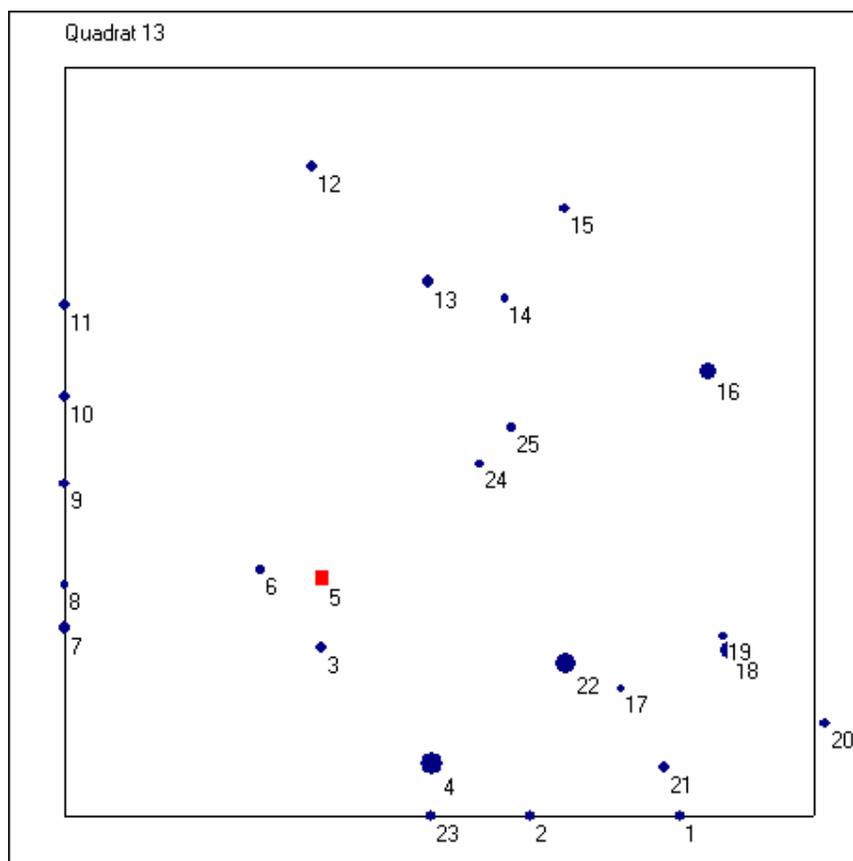
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	13.22	0.00	71.00	AS	35.00	AUCKLA	Aucoumea klaineana
2	1	12.17	0.00	10.60	AS	7.00	SCABLA	Scaphopetalum blackii
3	1	0.00	7.08	64.00	AS	30.00	ANISP3	Anisophyllea sp. 3
4	1	0.00	13.41	25.10	AS	28.00	STRESP	Strephonema sp
5	1	0.00	13.26	11.80	AS	8.00	SCABLA	Scaphopetalum blackii
6	1	1.31	12.94	10.80	AS	8.00	DACSP	Dacryodes sp.
7	1	0.00	15.13	26.50	AS	20.00	PLAAFR	Plagiostyles africana
8	1	0.00	15.91	43.30	AS	28.00	SANTRI	Santiria trimera
9	1	6.63	20.00	13.30	AS	7.00	CONAFR	Conceiveba africana
10	1	7.49	6.35	14.50	AS	10.00	DRYSP	Drypetes sp.
11	1	10.95	20.00	37.30	AS	30.00	IRVROB	Irvingia
12	1	16.39	20.00	24.50	AS	25.00	OCHSES	Ochthocosmos sessiliflorus
13	1	14.07	15.81	16.20	AS	7.00	GARLUC	Garcinia lucida
14	1	13.95	15.45	32.30	AS	25.00	DACEDU	Dacryodes edulis
15	1	12.87	11.43	49.40	AS	30.00	SYMGLO	Symphonia globulifera
16	1	12.76	10.62	12.00	AS	18.00	DACSP	Dacryodes sp.
17	1	15.87	12.59	20.30	AS	15.00	SANTRI	Santiria trimera
18	1	20.00	10.31	14.00	AS	10.00	GARLUC	Garcinia lucida
19	1	16.21	8.19	37.50	AS	20.00	SANTRI	Santiria trimera
20	1	15.77	8.08	14.00	AS	12.00	GARLUC	Garcinia lucida
21	1	15.92	7.93	10.60	AS	10.00	DACIGA	Dacryodes iganganga
22	1	14.52	3.17	50.20	AS	40.00	SCYOCH	Scyphcephalum ochocoa
23	1	16.16	4.50	16.90	AS	25.00	DACEDU	Dacryodes edulis
24	1	15.12	3.45	14.30	AS	30.00	DIAPAC	Dialium pachyphyllum
25	1	18.53	3.93	16.40	AS	18.00	DICGLA	Dichostemma glaucescens
26	1	16.86	2.41	0.00	AS	40.00	AUCKLA	Aucoumea klaineana
27	1	16.90	2.55	11.50	AS	16.00	GARSP	Garcinia sp.
28	1	10.44	0.00	33.00	AS	35.00	MANSP	Manilkara sp
29	1	9.36	8.54	11.00	AS	7.00	SCABLA	Scaphopetalum blackii

## Quadrat 12



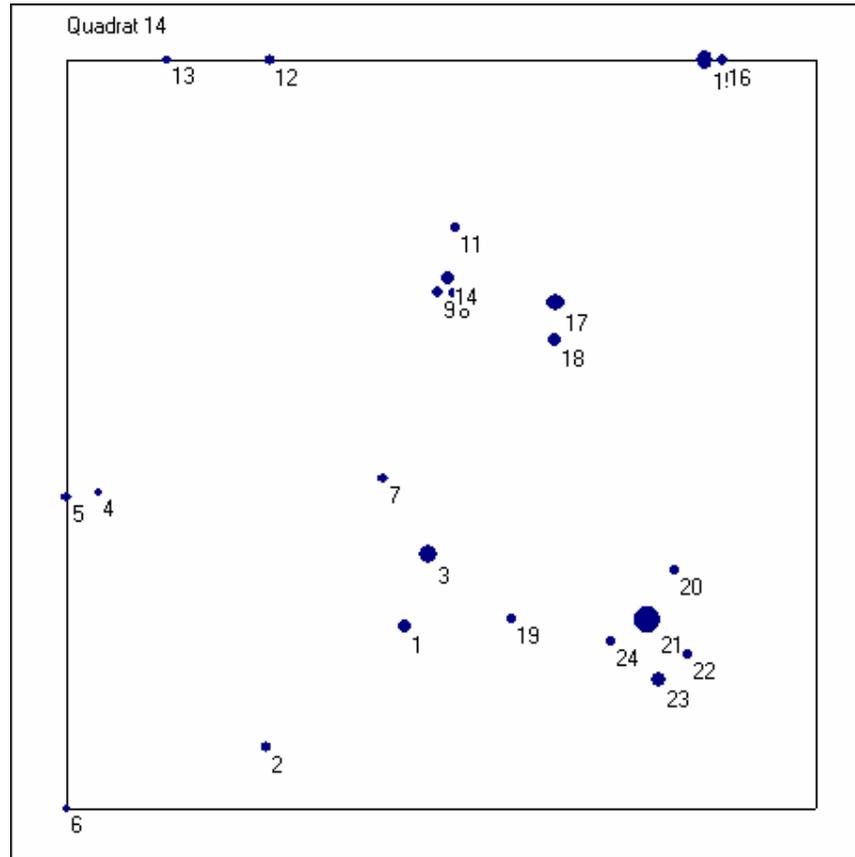
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.12	0	15.1	AS	7	CONAFR	Conceveiba africana
2	1	3.88	6.31	12.5	AS	8	GARLUC	Garcinia lucida
3	1	5.61	7.3	48	AS	30	CAVSP	Cavacoa sp
4	1	5.35	7.89	12.9	AS	15	DACEDU	Dacryodes edulis
5	1	3.25	11.01	22.1	AS	25	GARSP	Garcinia sp.
6	1	4.68	14.24	46.6	AS	40	STAKAM	Staudtia kamerunensis
7	1	10.49	13.73	12.5	AS	7	CONAFR	Conceveiba africana
8	1	11.18	14.71	54.3	AS	35	COEPRE	Coelocaryon preussii
9	1	2.71	20	35.9	AS	25	TRISP	Tricalysia sp.
10	1	17.33	20	17	AS	15	SANTRI	Santiria trimera
11	1	4.16	20	11.7	AS	8	DACKLA	Dacryodes klaineana
12	1	15.16	15.73	11.3	AS	8	CALSP	Calpocalyx sp.
13	1	15.44	16.11	22.5	AS	25	DACIGA	Dacryodes iganganga
14	1	14.82	11.49	16.3	AS	18	DACKLA	Dacryodes klaineana
15	1	14.68	9.27	12.9	AS	10	CONAFR	Conceveiba africana
16	1	15.05	4.69	30.3	AS	28	ANISP3	Anisophyllea sp. 3
17	1	16.82	0	24.3	AS	18	TREOBO	Treculia obovoidea
18	1	14.16	0	15.3	AS	10	GARLUC	Garcinia lucida
19	1	9.81	0	16.6	AS	14	MEMSP	Memecylon sp
20	1	9.79	2.25	11.2	AS	16	SANTRI	Santiria trimera
21	1	10.64	4.32	14.1	AS	12	CENGLA	Centroplocus glaucinus
22	1	9.55	9.14	13.8	AS	12	DESGLA	Desbordesia glaucescens
23	1	11.9	10.78	10.9	AS	7	GARLUC	Garcinia lucida

### Quadrat 13



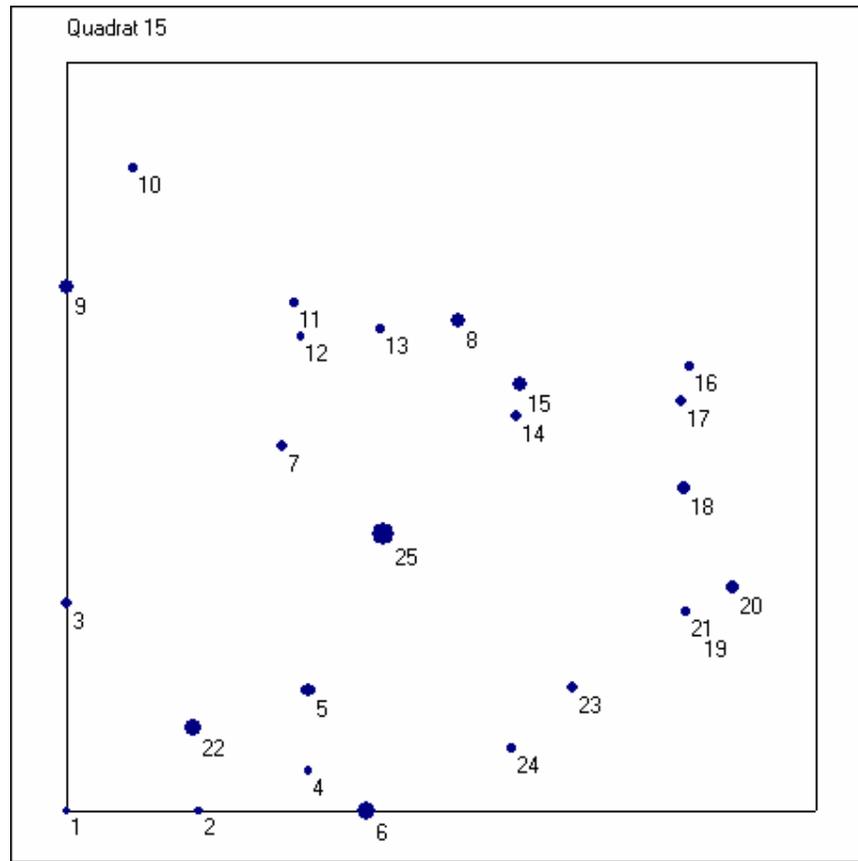
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	16.41	0	14.8	AS	11	CONAFR	Conceveiba africana
2	1	12.43	0	15.5	AS	17	TETBIF	Tetraberlinia bifoliolata
3	1	6.84	4.5	20.6	AS	15	DACKLA	Dacryodes klaineana
4	1	9.8	1.4	89.5	AS	40	AUCKLA	Aucoumea klaineana
5	1	6.87	6.34	25	AS	20	SANTRI	Santiria trimera
5	2	6.87	6.34	18	AS	20	SANTRI	Santiria trimera
6	1	5.24	6.58	12.5	AS	14	DIASP	Dialium sp.
7	1	0	5.03	23.5	AS	25	SANTRI	Santiria trimera
8	1	0	6.17	13	AS	7	TREOBO	Treculia obovoidea
9	1	0	8.88	16.6	AS	12	DACEDU	Dacryodes edulis
10	1	0	11.22	20.1	AS	25	AUCKLA	Aucoumea klaineana
11	1	0	13.64	22.8	AS	30	DACBUE	Dacryodes buettneri
12	1	6.58	17.36	18.6	AS	13	DRYSP	Drypetes sp.
13	1	9.71	14.27	21.3	AS	10	BAPBUE	Baphia buetterii
14	1	11.75	13.81	11.1	AS	10	CONAFR	Conceveiba africana
15	1	13.35	16.23	14.3	AS	14	PANSP	Pancovia sp
16	1	17.16	11.9	44.5	AS	35	COUEDU	Coula edulis
17	1	14.86	3.4	10.4	AS	11	SANTRI	Santiria trimera
18	1	17.7	4.43	40	AS	30	PLAAFR	Plagiostyles africana
19	1	17.58	4.8	11.9	AS	10	CONAFR	Conceveiba africana
20	1	20.3	2.49	14.2	AS	9	CONAFR	Conceveiba africana
21	1	15.98	1.3	18.8	AS	15	GARLUC	Garcinia lucida
22	1	13.37	4.08	69.5	AS	30	AUCKLA	Aucoumea klaineana
23	1	9.76	0	13.8	AS	15	GARLUC	Garcinia lucida
24	1	11.07	9.4	12.2	AS	10	DRYSP	Drypetes sp.
25	1	11.93	10.36	12.6	AS	10	DICGLA	Dichostemma glaucescens

### Quadrat 14



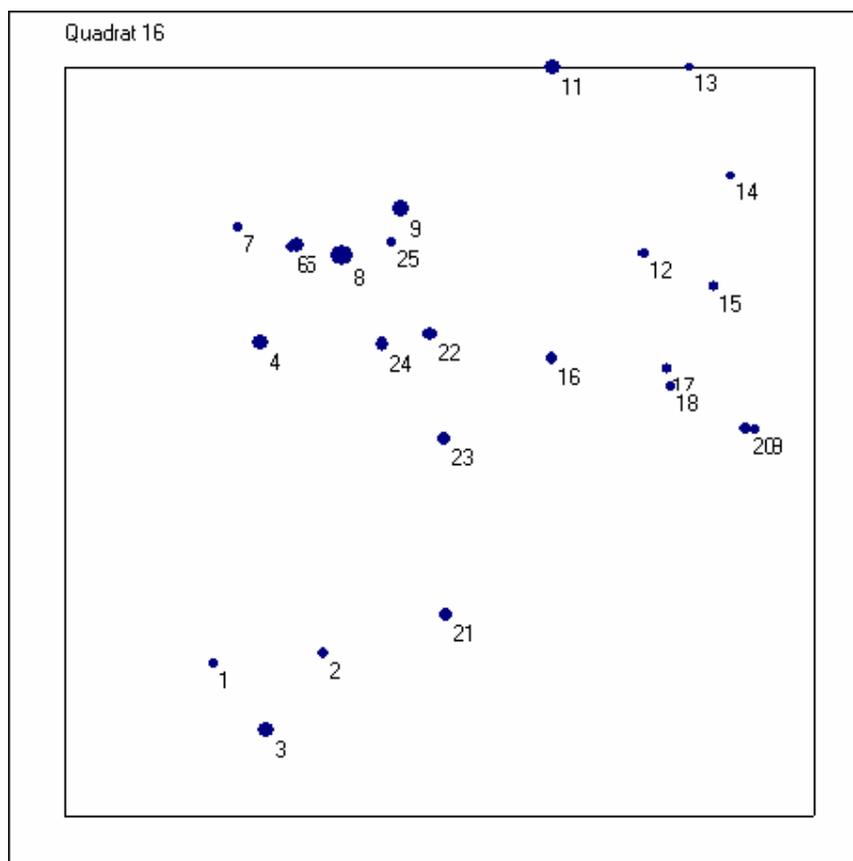
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	9.04	4.88	24.1	AS	12	TREOBO	Treculia obovoidea
2	1	5.34	1.65	14.1	AS	7	MICSP	Microdesmis sp.
3	1	9.66	6.8	47.4	AS	35	TETBIF	Tetraberlinia bifoliolata
4	1	0.85	8.44	11.4	AS	7	BARFIS	Barteria fistulosa
5	1	2.56	9.31	15	AS	10	MICSP	Microdesmis sp.
6	1	0	11.73	12.7	AS	9	MICSP	Microdesmis sp.
7	1	8.46	8.82	16.7	AS	12	SANTRI	Santiria trimera
8	1	10.31	13.78	10.6	AS	7	MICSP	Microdesmis sp.
9	1	9.88	13.82	19.5	AS	10	DIASP	Dialium sp.
10	1	10.16	14.18	27.7	AS	15	SANTRI	Santiria trimera
11	1	10.38	15.53	12	AS	7	MYRSER	Myrianthus serratus
12	1	5.42	20	14.9	AS	14	OUB	Oubanguia
13	1	2.68	20	10.5	AS	13	MICSP	Microdesmis sp.
14	1	10.16	14.18	27.7	AS	15	SANTRI	Santiria trimera
15	1	17.02	20	49	AS	40	TETPOL	Tetraberlinia polyphylla
16	1	17.49	20	16	AS	8	TREOBO	Treculia obovoidea
17	1	13.05	13.53	49.8	AS	35	AFZPAC	Afzelia pachyloba
18	1	13.02	12.52	21.9	AS	25	OUB	Oubanguia
19	1	11.88	5.07	11.9	AS	7	GARLUC	Garcinia lucida
20	1	16.22	6.36	12.5	AS	7	GARLUC	Garcinia lucida
21	1	15.48	5.06	110.3	AS	45	AUCKLA	Aucoumea klaineana
22	1	16.59	4.12	12	AS	15	DICGLA	Dichostemma glaucescens
23	1	15.79	3.47	33.8	AS	30	SYMGLO	Symphonia globulifera
24	1	14.53	4.47	12.8	AS	7	TREOBO	Treculia obovoidea

### Quadrat 15



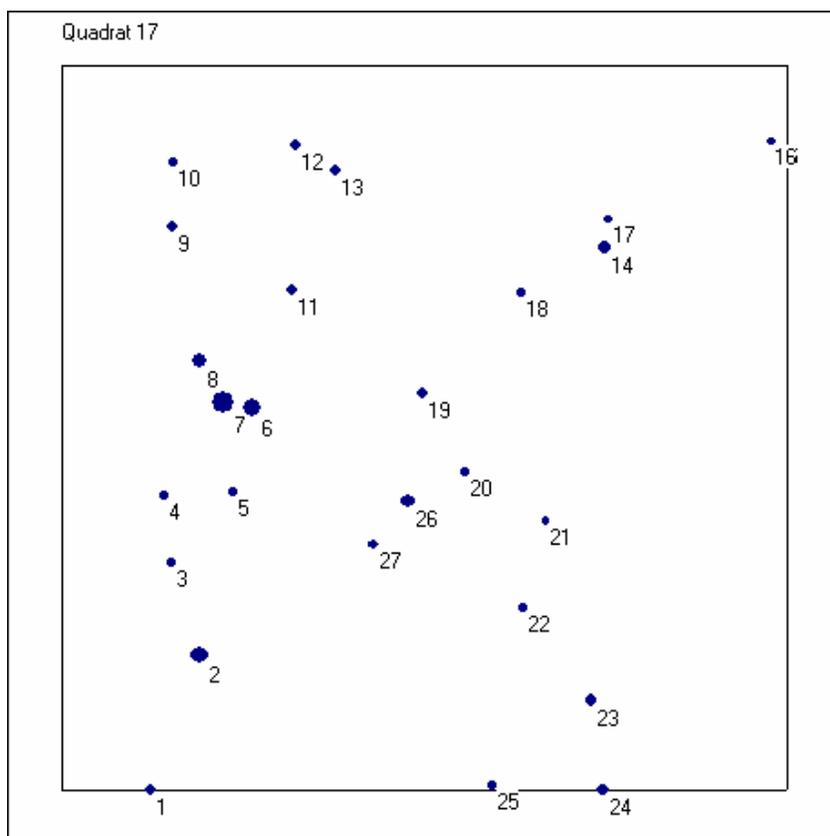
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	5.95	2.06	11.9	AS	13	SORNIT	Sorindeia nitidula
2	1	4.33	2.32	11.3	AS	10	OUB	Oubanguia
3	1	0	5.54	19.5	AS	25	DACIGA	Dacryodes iganganga
4	1	6.46	1.09	11.4	AS	16	DACSP	Dacryodes sp.
5	1	6.45	3.23	31.4	AS	28	DACEDU	Dacryodes edulis
6	1	7.39	2.98	55.4	AS	35	CANSCH	Canarium schweinfurthii
7	1	5.76	9.76	20	AS	8	MICSP	Microdesmis sp.
8	1	10.45	13.1	35.7	AS	20	HEIPAR	Heisteria parvifolia
9	1	2.41	13.62	34	AS	20	TREOBO	Treculia obovoidea
10	1	1.77	17.18	10	AS	10	GAREPU	Garcinia epunctata
11	1	6.06	13.55	13.3	AS	9	DRYSP	Drypetes sp.
12	1	6.24	12.67	11.4	AS	7	GARLUC	Garcinia lucida
13	1	8.38	12.89	10.6	AL	7	MICSP	Microdesmis sp.
14	1	12	10.54	16.2	AS	10	OUB	Oubanguia
15	1	12.09	11.42	36.5	AS	30	PAREXC	Parinari excelsa
16	1	16.63	11.88	14.9	AS	8	TREOBO	Treculia obovoidea
17	1	16.4	10.96	16.9	AS	9	MICSP	Microdesmis sp.
18	1	16.47	8.62	29.2	AS	16	DACEDU	Dacryodes edulis
19	1	16.88	4.76	10	AS	7	CONAFR	Conceveiba africana
20	1	17.77	5.98	23.6	AS	20	BEI	Beilschmiedia
21	1	16.53	5.34	14	AS	8	DACKLA	Dacryodes klaineana
22	1	3.39	2.22	39.9	DS	30	UNKNOWN	
23	1	13.49	3.3	15.7	AS	16	DRY	Drypetes
24	1	11.86	1.69	14.3	AS	17	DACEDU	Dacryodes edulis
25	1	8.44	7.4	75.5	AS	40	AUCKLA	Aucoumea klaineana

### Quadrat 16



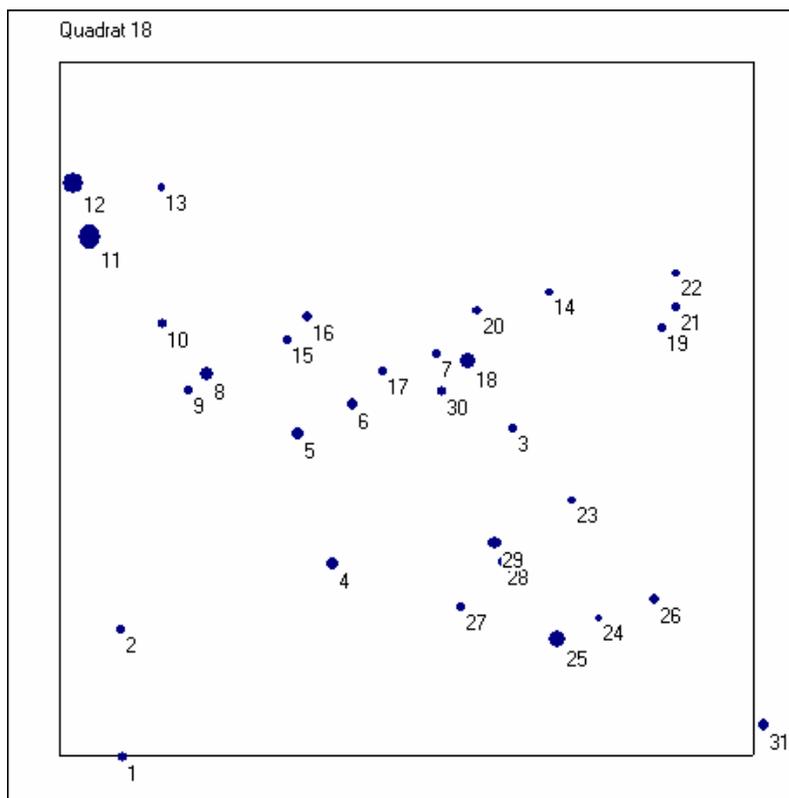
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.96	4.08	11.7	AS	10	GARLUC	Garcinia lucida
2	1	6.91	4.35	18.6	AS	20	TREOBO	Treculia obovoidea
3	1	5.37	2.3	38	AS	25	MEMSP	Memecylon sp
4	1	5.23	12.66	37.9	AS	30	ERIEXU	Erismadelphus exul
5	1	6.22	15.24	37.9	AS	30	DACKLA	Dacryodes klaineana
6	1	6.05	15.2	16.9	AS	15	DACKLA	Dacryodes klaineana
7	1	4.63	15.71	12	AS	8	TREOBO	Treculia obovoidea
8	1	7.41	14.97	72.1	AS	35	AUCKLA	Aucoumea klaineana
9	1	8.98	16.23	39.9	AS	30	PLAAFR	Plagiostyles africana
10	1	15.49	15.01	10.8	AS	11	CONAFR	Conceveiba africana
11	1	13.04	20	38.9	AS	30	AUCKLA	Aucoumea klaineana
12	1	15.44	15.02	15.5	AS	9	CONAFR	Conceveiba africana
13	1	16.68	20	11.5	AS	8	SANTRI	Santiria trimera
14	1	17.76	17.11	10.9	AS	11	DACSP	Dacryodes sp.
15	1	17.33	14.16	17.2	AS	15	DACIGA	Dacryodes iganganga
16	1	13	12.21	25	AS	14	STRTET	Strombosia tetandra
17	1	16.07	11.97	18.6	AS	16	DANSOY	Daniellia soyauxii
18	1	16.2	11.49	12.5	AS	18	DACBUE	Dacryodes buettneri
19	1	18.41	10.32	16	AS	15	DIAPAC	Dialium pachyphyllum
20	1	18.16	10.36	23.6	AS	16	SANTRI	Santiria trimera
21	1	10.16	5.38	28.2	AS	15	DACSP	Dacryodes sp.
22	1	9.74	12.88	31	AS	20	COUEDU	Coula edulis
23	1	10.11	10.1	25.8	AS	14	AUCKLA	Aucoumea klaineana
24	1	8.48	12.58	32.5	AS	16	MEMSP	Memecylon sp
25	1	8.73	15.32	10	AS	13	DACSP	Dacryodes sp.

### Quadrat 17



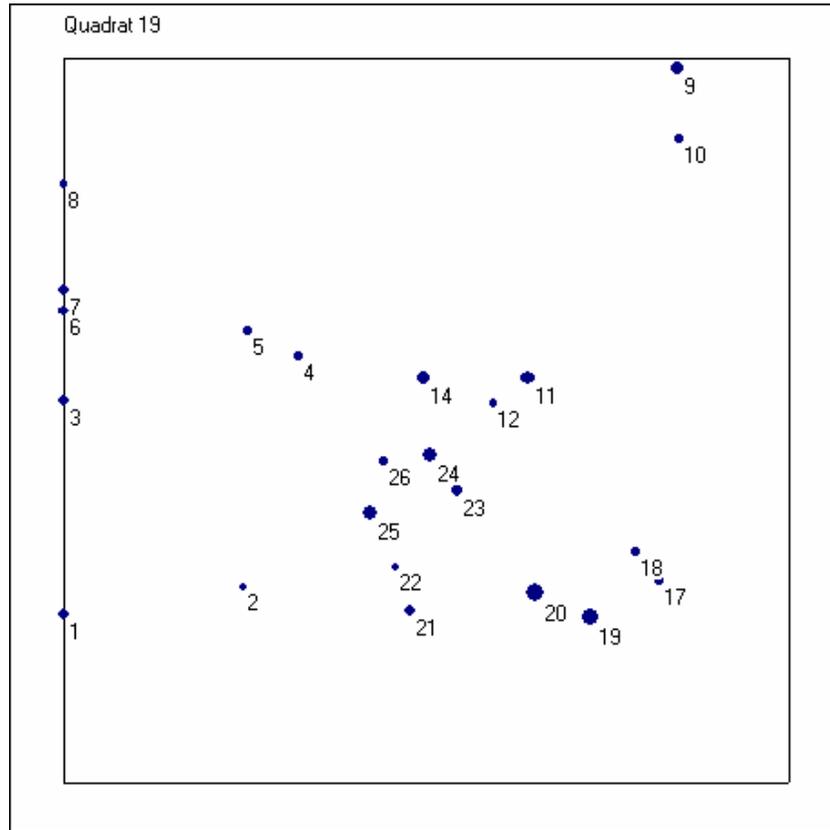
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	3.27	1.79	25.5	AS	18	PLAAFR	Plagiostyles africana
2	1	3.8	3.74	47.9	AS	40	COEPRE	Coelocaryon preussii
3	1	3.03	6.28	10.3	AS	7	DACSP	Dacryodes sp.
4	1	2.83	8.13	14.3	AS	13	STRSCH	Strombosia scheffleri
5	1	4.73	8.21	13.5	AS	13	DICGLA	Dichostemma glaucescens
6	1	5.24	10.53	54.8	AS	35	TETPOL	Tetraberlinia polyphylla
7	1	4.43	10.7	76.6	AS	40	AUCKLA	Aucoumea klaineana
8	1	3.8	11.87	34.9	DS	30	UNK#WN	
9	1	3.04	15.55	18.2	AS	13	DACKLA	Dacryodes klaineana
10	1	3.07	17.32	12.6	AS	10	STAKAM	Staudtia kamerunensis
11	1	6.36	13.79	20.6	AS	20	TETBIF	Tetraberlinia bifoliolata
12	1	6.44	17.79	21.9	AS	12	CONAFR	Conceveiba africana
13	1	7.56	17.11	18.5	AS	8	TREOBO	Treculia obovoidea
14	1	14.97	14.98	29.9	AS	30	TETPOL	Tetraberlinia polyphylla
15	1	19.6	17.89	10.1	AS	8	TETBIF	Tetraberlinia bifoliolata
16	1	19.55	17.9	12	AS	10	DICGLA	Dichostemma glaucescens
17	1	15.08	15.76	11.2	AS	9	GARSP	Garcinia sp.
18	1	12.68	13.74	15	AS	10	STAKAM	Staudtia kamerunensis
19	1	9.93	10.94	19.9	AS	25	STAKAM	Staudtia kamerunensis
20	1	11.12	8.79	10.5	AS	8	CONAFR	Conceveiba africana
21	1	13.35	7.44	11.4	AS	8	GARLUC	Garcinia lucida
22	1	12.72	5.01	12.5	AS	11	GARLUC	Garcinia lucida
23	1	14.61	2.48	20	DS	25	UNKNOWN	
24	1	14.19	3.37	25.3	AS	28	COUEDU	Coula edulis
25	1	11.88	0.14	14.2	AS	15	TREOBO	Treculia obovoidea
26	1	9.55	7.96	28	AS	30	SANTRI	Santiria trimera
27	1	8.59	6.77	15.3	AS	11	CONAFR	Conceveiba africana

## Quadrat 18



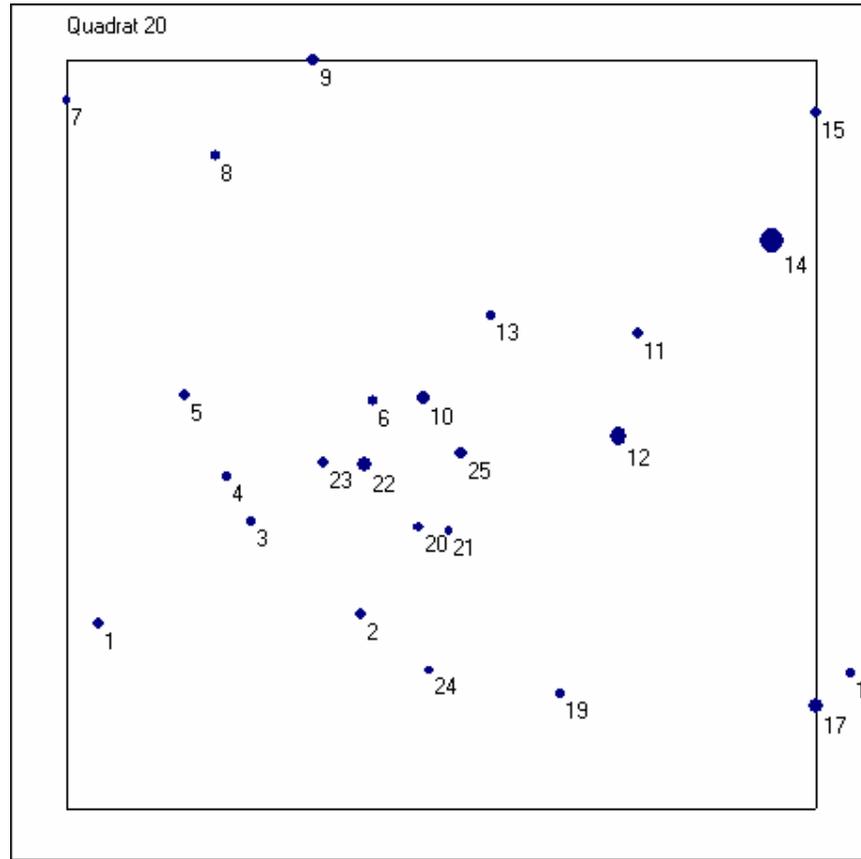
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.82	-0.05	16.7	AS	13	DACIGA	Dacryodes iganganga
2	1	1.76	3.64	11.9	AS	7	GARLUC	Garcinia lucida
3	1	13.09	9.43	10.2	AS	7	SANTRI	Santiria trimera
4	1	7.9	5.54	27.3	AS	30	SANTRI	Santiria trimera
5	1	6.88	9.28	22.8	AS	20	TETBIF	Tetraberlinia bifoliolata
6	1	8.45	10.11	25	AS	20	BERSP	Berlinia sp
7	1	10.88	11.57	15	AS	10	SCABLA	Scaphopetallum blackii
8	1	4.25	10.98	31.8	AS	30	MAREXC	Marquisia excelsa
9	1	3.72	10.53	15.2	AS	8	CONAFR	Conceveiba africana
10	1	2.97	12.45	16.3	AS	25	SANTRI	Santiria trimera
11	1	0.88	14.96	101.2	AS	40	TETPOL	Tetraberlinia polyphylla
12	1	0.41	16.52	80.5	AS	40	AUCKLA	Aucoumea klaineana
13	1	2.95	16.37	11.6	AS	6	CONAFR	Conceveiba africana
14	1	14.12	13.34	10.7	AS	7	GARLUC	Garcinia lucida
15	1	6.57	11.98	13.5	AS	8	DACKLA	Dacryodes klaineana
16	1	7.14	12.64	20.5	AS	30	TETBIF	Tetraberlinia bifoliolata
17	1	9.33	11.07	13	AS	10	GARLUC	Garcinia lucida
18	1	11.78	11.37	38.2	AS	30	CLESP	Cleistanthus sp
19	1	17.38	12.34	14.2	AS	10	GARSP	Garcinia sp.
20	1	12.04	12.83	17.1	AS	10	COUEDU	Coula edulis
21	1	17.75	12.95	12.7	AS	9	DRYSP	Drypetes sp.
22	1	17.79	13.9	11.3	AS	8	DACSP	Dacryodes sp.
23	1	14.78	7.36	11.7	AS	9	CONAFR	Conceveiba africana
24	1	15.54	3.96	10.2	AS	7	SCABLA	Scaphopetallum blackii
25	1	14.37	3.36	53.5	AS	35	CLESP	Cleistanthus sp
26	1	17.17	4.52	19.4	AS	25	TETBIF	Tetraberlinia bifoliolata
27	1	11.57	4.28	10.1	AS	7	GARLUC	Garcinia lucida
28	1	12.76	5.57	12.4	AS	8	CONAFR	Conceveiba africana
29	1	12.54	6.13	32.8	AS	26	PENMAC	Pentaclethra macrophylla
30	1	11.03	10.5	15.6	AS	9	GARLUC	Garcinia lucida
31	1	20.31	0.88	20.4	AS	22	BERSP	Berlinia sp

### Quadrat 19



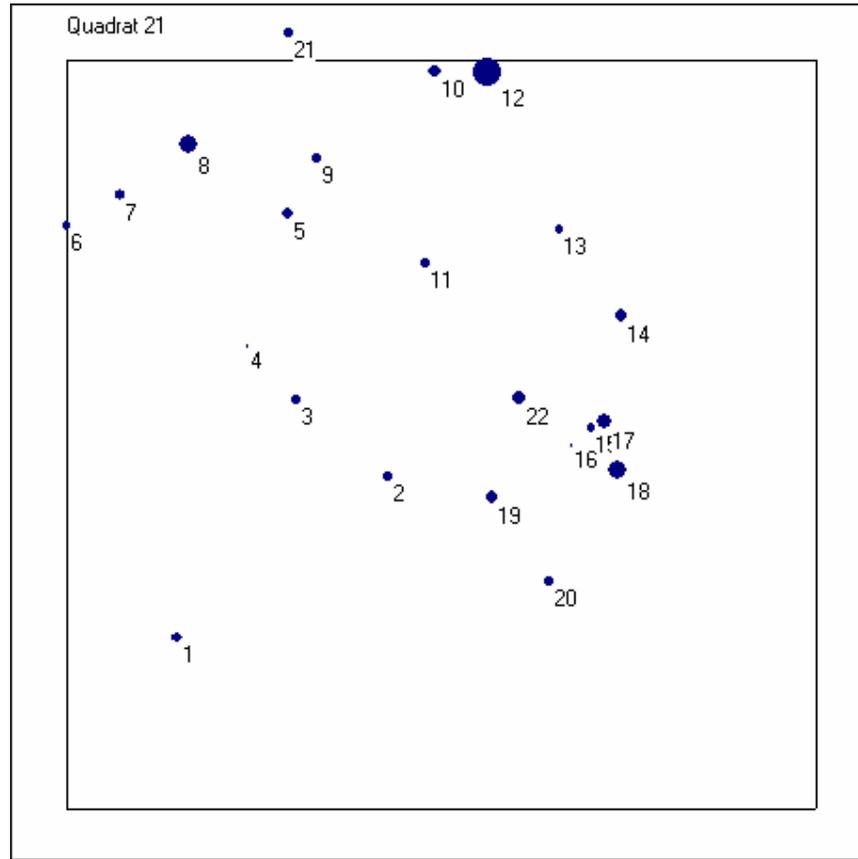
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	1.95	5.04	16	AS	12	DACKLA	Dacryodes klaineana
2	1	4.96	5.4	10.9	AS	9	SAPINDET	Sapindaceae
3	1	2.02	10.07	17.2	AS	9	TREOBO	Treculia obovoidea
4	1	6.49	11.76	12	AS	7	MICSP	Microdesmis sp.
5	1	5.06	12.48	13.7	AS	7	OUBSP	Oubanguia sp
6	1	2.32	12.08	14.2	AS	9	CONAFR	Conceveiba africana
7	1	3.34	12.76	21.6	AS	13	CONAFR	Conceveiba africana
8	1	1.27	16.11	10.4	AS	8	GARLUC	Garcinia lucida
9	1	16.93	19.72	23.7	AS	18	SANTRI	Santiria trimera
10	1	16.99	17.77	11.6	AS	20	PENBUT	Pentadesma butyracea
11	1	12.79	11.17	29	AS	25	SANTRI	Santiria trimera
12	1	11.86	10.48	10.6	AS	6	GARLUC	Garcinia lucida
13	1	9.93	11.17	20.2	AS	12	TREOBO	Treculia obovoidea
14	1	9.91	11.17	22.5	AS	14	TREOBO	Treculia obovoidea
15	1	21.98	4.06	25.6	AS	25	TETBIF	Tetraberlinia bifoliolata
16	1	21.76	1.04	18.5	AS	12	DRYSP	Drypetes sp.
17	1	16.44	5.57	12	AS	14	PENBUT	Pentadesma butyracea
18	1	15.77	6.39	11.9	AS	13	GARLUC	Garcinia lucida
19	1	14.52	4.57	48.4	AS	40	PARBIC	Parkia bicolor
20	1	13.01	5.25	49.8	AS	40	DACBUE	Dacryodes buettneri
21	1	9.55	4.75	18.3	AS	14	DRYSP	Drypetes sp.
22	1	9.14	5.94	11	AS	8	CONAFR	Conceveiba africana
23	1	10.84	8.07	22.8	AS	13	SANTRI	Santiria trimera
24	1	10.09	9.04	38.6	DS	16	DACEDU	Dacryodes edulis
25	1	8.46	7.47	36.9	AS	25	SANTRI	Santiria trimera
26	1	8.85	8.87	13.2	AS	12	TRIACU	Trichoscypha acuminata

### Quadrat 20



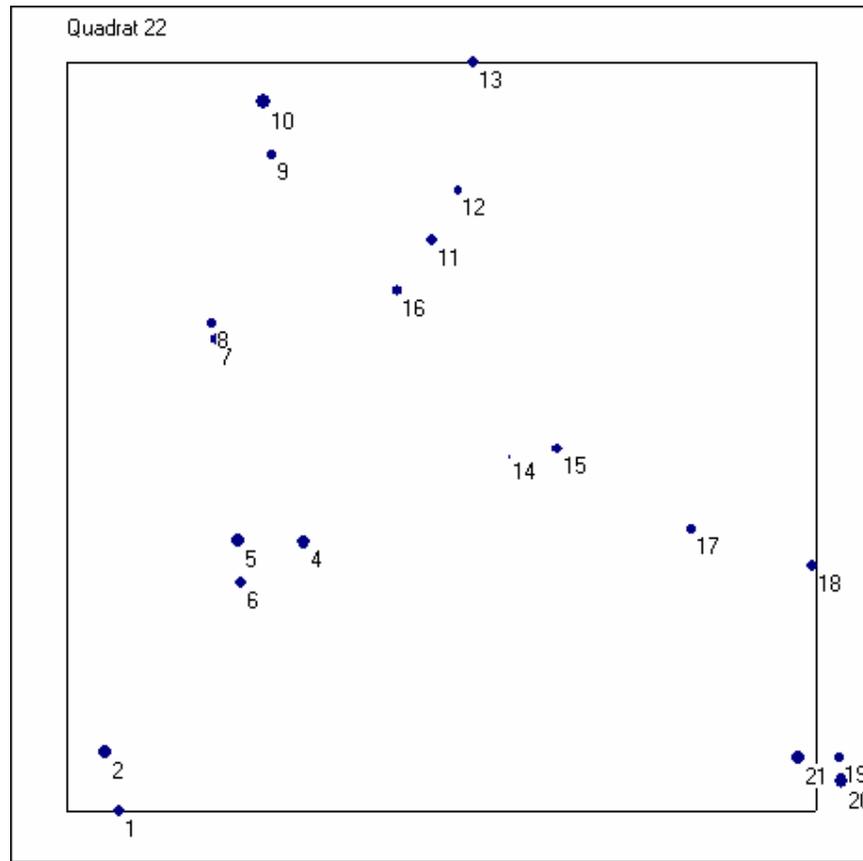
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.85	4.95	15.7	AS	8	ANISP3	Anisophyllea sp. 3
2	1	7.84	5.21	18.4	AS	15	CLESP	Cleistanthus sp
3	1	4.92	7.68	11.5	AS	4	GARLUC	Garcinia lucida
4	1	4.28	8.86	12.1	AS	8	CONAFR	Conceveiba africana
5	1	3.13	11.07	18.9	AS	9	DRYSP	Drypetes sp.
6	1	8.18	10.91	14.7	AS	7	MICSP	Microdesmis sp.
7	1	1.69	18.84	12.4	AS	8	DACEDU	Dacryodes edulis
8	1	3.97	17.45	17.5	AS	8	GARLUC	Garcinia lucida
9	1	6.57	20	21.3	AS	15	CLESP	Cleistanthus sp
10	1	9.51	10.96	25.3	AS	11	GARLUC	Garcinia lucida
11	1	15.27	12.68	18.7	AS	28	GARSP	Garcinia sp.
12	1	14.72	9.95	55.2	AS	25	UNKNOWN	
13	1	11.31	13.17	11.7	AS	8	CONAFR	Conceveiba africana
14	1	18.81	15.19	92.3	AS	40	AUCKLA	Aucoumea klaineana
15	1	20	18.59	21.8	AS	10	TREOBO	Treculia obovoidea
16	1	13.17	3.08	16.1	AS	8	CLESP	Cleistanthus sp
17	1	20	2.75	36.7	AS	35	SINLET	Sinderopsis letestui
18	1	20.94	3.62	11.2	AS	9	OUBSP	Oubanguia sp
19	1	13.17	3.08	16.1	AS	8	CLESP	Cleistanthus sp
20	1	9.4	7.51	14.9	AS	9	CONAFR	Conceveiba africana
21	1	10.21	7.43	11.3	AS	7	MICSP	Microdesmis sp.
22	1	7.96	9.22	35.8	AS	25	SANTRI	Santiria trimera
23	1	6.85	9.25	18.3	AS	10	CONAFR	Conceveiba africana
24	1	9.69	3.7	12.3	AS	7	DACSP	Dacryodes sp.
25	1	10.52	9.51	19.5	AS	15	DRYSP	Drypetes sp.

### Quadrat 21



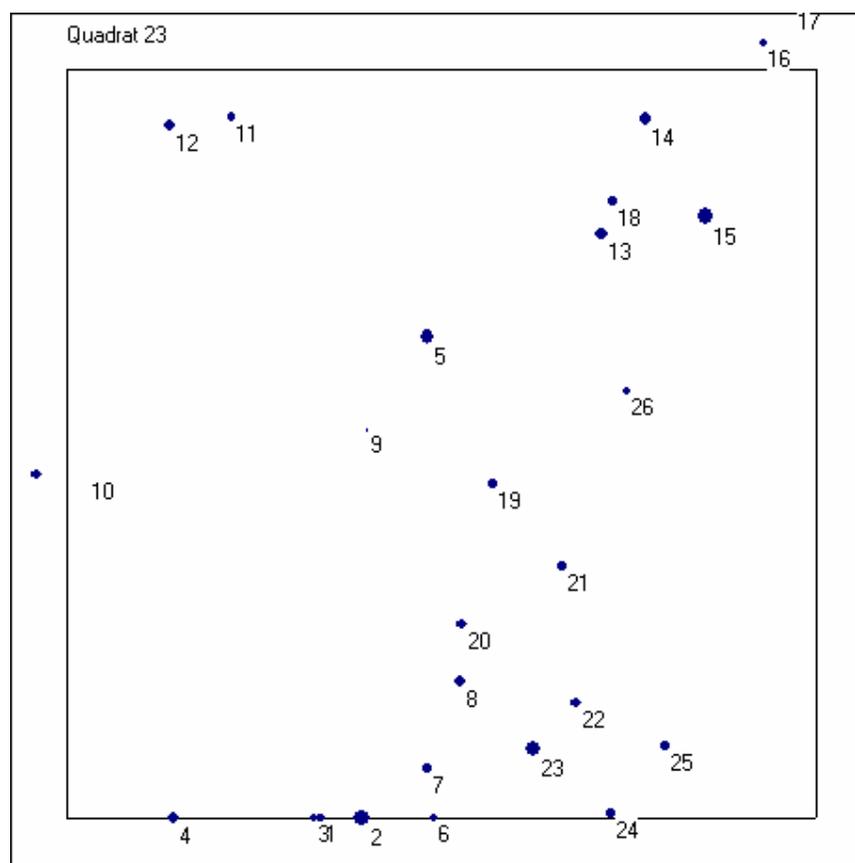
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	2.95	4.58	14.9	AS	10	MRYSP	Myrianthus sp
2	1	8.56	8.87	14.7	AS	10	DACEDU	Dacryodes edulis
3	1	6.12	10.92	11.1	AS	7	TREOBO	Treculia obovoidea
4	1	4.86	12.36	87	AS	40	MAREXC	Marquisia excelsa
5	1	5.88	15.88	19	AS	20	DACEDU	Dacryodes edulis
6	1	2.72	15.3	12	AS	7	CONAFR	Conceveiba africana
7	1	1.42	16.39	15.2	AS	10	SANTRI	Santiria trimera
8	1	3.24	17.74	53.6	AS	40	MAGTES	Magnistipula tessmannii
9	1	6.66	17.38	12.1	AS	7	SCABLA	Scaphopetalum blackii
10	1	9.82	19.71	22.2	AS	15	PLAAFR	Plagiostyles africana
11	1	9.57	14.56	11.9	AS	6	DACSP	Dacryodes sp.
12	1	11.2	19.68	124.3	AS	40	AUCKLA	Aucoumea klaineana
13	1	13.15	15.46	11.7	AS	13	CLESP	Cleistanthus sp
14	1	14.81	13.17	21	AS	20	DACEDU	Dacryodes edulis
15	1	14	10.16	12.5	AS	10	TREOBO	Treculia obovoidea
16	1	13.51	9.71	23.7	AS	25	SANTRI	Santiria trimera
17	1	14.35	10.33	36.5	AS	30	COUEDU	Coula edulis
18	1	14.69	9.04	57.2	AS	40	TETPOL	Tetraberlinia polyphylla
19	1	11.36	8.32	20	AS	13	SANTRI	Santiria trimera
20	1	12.86	6.05	13.2	AS	10	MICSP	Microdesmis sp.
21	1	5.92	20.74	12.97	AS	9.99	DACEDU	Dacryodes edulis
22	1	12.06	10.98	28.7	AS	28	DACSP	Dacryodes sp.

## Quadrat 22



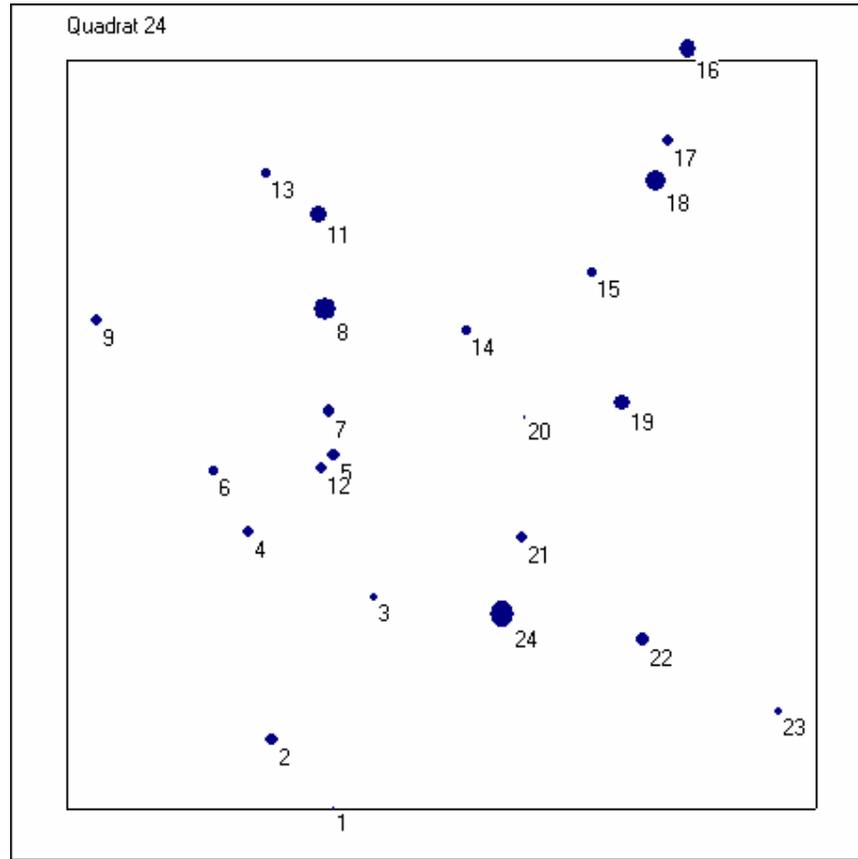
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	0.6	1.03	19.7	AS	15	DACEDU	Dacryodes edulis
2	1	1.02	1.58	24.2	AS	15	SANTRI	Santiria trimera
3	1	6.33	7.12	11.3	AS	9	CONAFR	Conceveiba africana
4	1	6.32	7.2	22.3	AS	10	TREOBO	Treculia obovoidea
5	1	4.59	7.25	25.7	AS	20	SYMGLO	Symphonia globulifera
6	1	4.65	6.11	22	AS	15	PLAAFR	Plagiostyles africana
7	1	3.99	12.61	14.6	AS	10	PLAAFR	Plagiostyles africana
8	1	3.88	13.04	10.5	AS	8	CONAFR	Conceveiba africana
9	1	5.49	17.54	13.9	AS	18	STAKAM	Staudtia kamerunensis
10	1	5.24	18.97	34.5	AS	30	CLESP	Cleistanthus sp
11	1	9.75	15.26	23.5	AS	14	DACKLA	Dacryodes klaineana
12	1	10.45	16.58	10.9	AS	8	ANTTRI	Antho#tha tripliso
13	1	10.86	20	19.5	AS	13	COUEDU	Coula edulis
14	1	11.85	9.46	96	AS	40	AUCKLA	Aucoumea klaineana
15	1	13.11	9.68	18.2	AS	10	PLAAFR	Plagiostyles africana
16	1	8.83	13.9	18	AS	9	TREOBO	Treculia obovoidea
17	1	16.66	7.52	11.2	AS	8	CONAFR	Conceveiba africana
18	1	19.91	6.55	23.5	AS	25	DACKLA	Dacryodes klaineana
19	1	20.61	1.44	11.8	AS	18	TETBIF	Tetraberlinia bifoliolata
20	1	20.66	0.8	27.8	AS	22	GANGIG	Ganophyllum giganteum
21	1	19.54	1.43	26.3	AS	30	STAKAM	Staudtia kamerunensis

### Quadrat 23



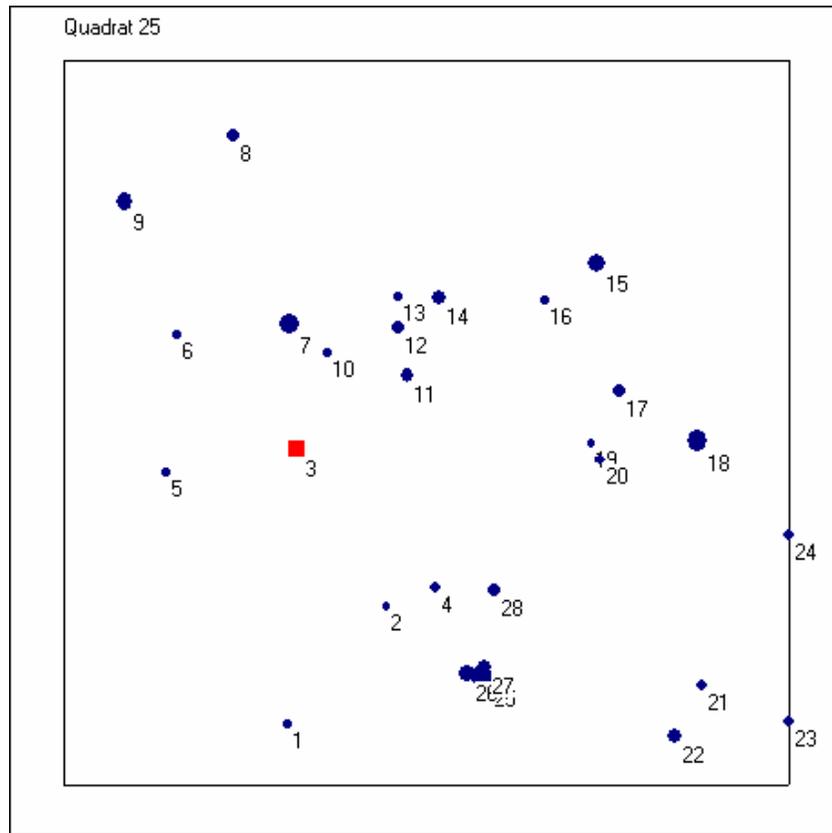
Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.71	2.43	13	AS	7	CONAFR	Conceveiba africana
2	1	7.15	4.19	39.3	AS	30	DIAPAC	Dialium pachyphyllum
3	1	4.69	3.66	10.4	AS	8	DICGLA	Dichostemma glaucescens
4	1	3.18	1.68	21.1	AS	16	STRTET	Strombosia tetandra
5	1	9.63	12.86	32.5	AS	30	TETBIF	Tetraberlinia bifoliolata
6	1	9.28	2.21	12.7	AS	12	CONAFR	Conceveiba africana
7	1	9.63	1.31	12.1	AS	12	CONAFR	Conceveiba africana
8	1	10.5	3.66	16.8	AS	10	COUEDU	Coula edulis
9	1	8.07	10.33	93	AS	40	ANISP3	Anisophyllea sp. 3
10	1	6.98	11.7	14.2	AS	8	DIOSP	Diospyros sp.
11	1	4.41	18.72	11.4	AS	8	CONAFR	Conceveiba africana
12	1	2.76	18.48	17.7	AS	12	OUBAFR	Oubanguia africana
13	1	14.28	15.6	24.2	AS	10	TREOBO	Treculia obovoidea
14	1	15.44	18.68	20.5	AS	9	TREOBO	Treculia obovoidea
15	1	17.05	16.07	40.2	AS	25	DACKLA	Dacryodes klaineana
16	1	18.61	20.71	10.8	AS	15	DACIGA	Dacryodes iganganga
17	1	19.34	21.76	23	AS	25	TETBIF	Tetraberlinia bifoliolata
18	1	14.55	16.46	13.2	AS	10	ANISP2	Anisophyllea sp. 2
19	1	11.39	8.92	13.3	AS	9	DACKLA	Dacryodes klaineana
20	1	10.54	5.18	16.3	AS	10	CONAFR	Conceveiba africana
21	1	13.23	6.72	12	AS	7	GARLUC	Garcinia lucida
22	1	13.6	3.09	14.3	AS	14	MEMSP	Memecylon sp
23	1	12.45	1.84	34.2	AS	30	ODYGAB	Odyendia gabonensis
24	1	14.54	0.13	11.3	AS	8	CONAFR	Conceveiba africana
25	1	15.98	1.93	12.7	AS	15	TETBIF	Tetraberlinia bifoliolata
26	1	14.95	11.39	10.3	AS	7	CONAFR	Conceveiba africana

### Quadrat 24



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	7.57	2.59	87.9	AS	40	AUCKLA	Aucoumea klaineana
2	1	5.48	1.85	20.3	AS	17	UNKNOWN	
3	1	8.21	5.65	11	AS	5	CONAFR	Conceveiba africana
4	1	4.84	7.4	23.1	AS	25	CLESP	Cleistanthus sp
5	1	7.13	9.45	24.8	AS	16	DACEDU	Dacryodes edulis
6	1	3.92	9.01	11.7	AS	12	DICGLA	Dichostemma glaucescens
7	1	6.99	10.62	21.3	AS	15	TREOBO	Treculia obovoidea
8	1	6.9	13.35	81.5	AS	40	TETPOL	Tetraberlinia polyphylla
9	1	0.8	13.05	17.1	AS	20	DACSP	Dacryodes sp.
10	1	5.34	16.96	12.7	AS	8	CONAFR	Conceveiba africana
11	1	6.75	15.86	45.4	AS	40	KLATRI	Klainedoxa trillessii
12	1	6.81	9.1	21.5	AS	10	TREOBO	Treculia obovoidea
13	1	5.34	16.96	12.7	AS	8	CONAFR	Conceveiba africana
14	1	10.66	12.77	12.6	AS	15	INDET	
15	1	14.02	14.33	12.9	AS	13	SCYKLA	Scytopetalum klaineanum
16	1	16.56	20.31	50.1	AS	30	UNKNOWN	
17	1	16.04	17.85	21.9	AS	17	PLAAFR	Plagiostyles africana
18	1	15.73	16.77	66.9	AS	30	XANHEI	Xanthoxylum heitzii
19	1	14.82	10.86	40.1	AS	27	CLESP	Cleistanthus sp
20	1	12.26	10.46	98.1	AS	40	HYPEL	Hymenostegia pellegrinii
21	1	12.17	7.26	19.3	AS	10	GARLUC	Garcinia lucida
22	1	15.37	4.54	25	AS	30	CLESP	Cleistanthus sp
23	1	19.01	2.59	10.4	AS	7	CONAFR	Conceveiba africana
24	1	11.63	5.19	108	AS	40	SCYCH	Scyphcephalium ochocoa

## Quadrat 25



Tree #	Stem #	x	y	dbh	Status	Height	Sp code	Species
1	1	6.17	1.68	10.8	AS	6	CONAFR	Conceveiba africana
2	1	8.9	4.92	12	AS	10	CONAFR	Conceveiba africana
3	1	6.4	9.28	32.8	AS	30	PLAAFR	Plagiostyles africana
3	2	6.4	9.28	20.8	AS	30	PLAAFR	Plagiostyles africana
3	3	6.4	9.28	20.1	AS	30	PLAAFR	Plagiostyles africana
4	1	10.23	5.47	19.4	AS	10	TREOBO	Treulia obovoidea
5	1	2.83	8.64	13	AS	7	TREOBO	Treulia obovoidea
6	1	3.11	12.44	14.6	AS	7	MICSP	Microdesmis sp.
7	1	6.23	12.72	68	AS	40	MAREXC	Marquisia excelsa
8	1	4.68	17.93	24.5	AS	7	TRIABU	Trichoscypha abut
9	1	1.67	16.11	47.6	AS	30	PYCANG	Pycnanthus angolensis
10	1	7.27	11.92	13.2	AS	10	CLESP	Cleistanthus sp
11	1	9.48	11.29	30.2	AS	25	SANTRI	Santiria trimera
12	1	9.23	12.61	26.3	AS	30	SCYOCH	Scyphcephalum ochocoa
13	1	9.24	13.48	13.1	AS	8	MICSP	Microdesmis sp.
14	1	10.35	13.44	31	AS	25	GARSP	Garcinia sp.
15	1	14.7	14.4	61.7	AS	38	AUCKLA	Aucoumea klaineana
16	1	13.27	13.36	12.3	AS	10	DACSP	Dacryodes sp.
17	1	15.34	10.86	27.3	AS	7	DACBUE	Dacryodes buettneri
18	1	17.47	9.51	76	AS	35	AUCKLA	Aucoumea klaineana
19	1	14.55	9.42	12.4	AS	7	GARLUC	Garcinia lucida
20	1	14.8	8.99	13.2	AS	10	TREOBO	Treulia obovoidea
21	1	17.59	2.75	21.3	AS	15	ANTTRI	Anthonotha tripliso
22	1	16.85	1.33	32.2	AS	24	TREOBO	Treulia obovoidea
23	1	20	1.75	14.2	AS	10	TREOBO	Treulia obovoidea
24	1	20	6.9	15.3	AS	15	ANISP3	Anisophyllea sp. 3
25	1	11.53	2.99	89.5	AS	40	AUCKLA	Aucoumea klaineana
26	1	11.1	3.06	45.5	AS	40	PARBIC	Parkia bicolor
27	1	11.61	3.26	34.3	AS	30	SANTRI	Santiria trimera
28	1	11.87	5.38	21.4	AS	10	TREOBO	Treulia obovoidea