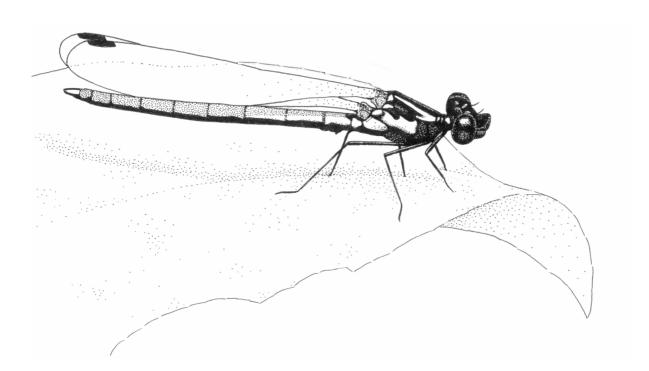
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Production: Lorna A. Depew Published: 30 June 2021 Front cover: Chlorocypha tenuis, a species of damselfly found in Kakamega Forest. Drawing by K.-D. B. Dijkstra.





ANNOTATED CHECKLIST OF THE PLANTS OF ARABUKO-SOKOKE FOREST, COASTAL KENYA

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ABSTRACT

A total of 605 vascular plant species, including flowering plants, gymnosperms and ferns, are included in this annotated checklist for Arabuko-Sokoke Forest Reserve in Kilifi County in the Coast Region of Kenya. Out of these 491 are supported by a voucher specimen in the East African herbarium, and 106 are sight records, whereas an additional 8 are cited from the Flora of Tropical East Africa (FTEA). This total represents approximately 9% and 18% respectively of the flora of Kenya and the coastal region (K7 of FTEA). Taxa are distributed in 103 families and 389 genera, the largest families being Leguminosae (Fabaceae) with 62 taxa, Rubiaceae with 53 and Malvaceae with 26. The largest genera include *Grewia*, *Cyperus*, *Ficus* and *Ipomoea*. For each record a name, a cited specimen or sight record, a short general description, and its known phytogeographic distribution is provided. Globally threatened species are also indicated. The conservation importance of Arabuko-Sokoke is discussed.

Keywords: eastern african, swahilian, endemism, intactness, conservation.

INTRODUCTION

Arabuko-Sokoke Forest Reserve is located in Kilifi County in the Coast Region of Kenya, approximately 90 kilometres north of Mombasa, the main port and regional headquarters. The demarcated area of the reserve is 41 764 ha lying within the co-ordinates 3°11'-3° 29'S and 39°48'-40°00'E (figure 1).

The forest stretches approximately 20 km from east to west at its widest point, and is about 35 km from north to south. It is easily accessible, bounded on its eastern side by the main road from Mombasa to Malindi town, and other roads on the northern and southern side. Arabuko-Sokoke is possibly the largest continuous block of indigenous forest remaining on the Eastern African coast (Burgess & Muir, 1994). The Reserve extends to the Indian Ocean sea-shore at Mida Creek, thus presenting a wide range of habitats from terrestrial to inter-tidal. It is regarded as the second most important forest site for bird conservation on mainland Africa (Collar & Stuart, 1988).

Geology and topography

Arabuko-Sokoke is located within two of the four main physiographic zones of the Coast Region as described by the Geological Survey of Kenya (Thompson,1955; Caswell, 1956) which form parallel bands to the shoreline. From Mida Creek up to the 30 meter contour the forest lies on the 'Coastal Plain', consisting of flat bedded coral reefs, lagoonal deposits of coral breccia and calcareous beach sands of Pleistocene origin. Alluvial and windblown deposits from higher elevations are also found in this zone which is characterized by light coloured soils.

From the plain the forest rises to a ridge with an elevation of approximately 160 m corresponding to the 'Foot Plateau', a seaward sloping peneplain (Moomaw, 1960). In Arabuko-Sokoke this zone is composed of a low ridge of red Magarini sands deposited in the Pliocene period, overlying Jurassic marine shales, mudstones and limestone. In places large and visually striking erosional scarps occur on this formation known locally as 'Nyari' (Robertson & Luke, 1993). About eight kilometres to the west of Arabuko-Sokoke rises Mwangea Hill (520 m), part of the 'Coastal Range' system consisting of Mazeras sandstone, with a covering of red soil on its slopes (Thompson, 1955).

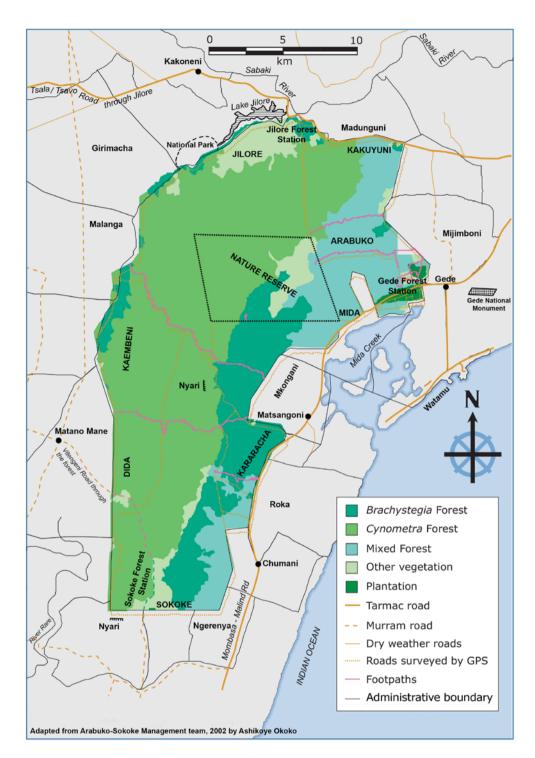


Figure 1. Map of Arabuko Sokoke Forest and environs.

Arabuko-Sokoke notably contains no significant rivers or streams, possibly due to its relatively flat topography. However, it is bounded in the north by the Sabaki River basin, and in the southwest to some extent by River Rare. A number of small mostly seasonal pools occur along the base of the red sand ridge described above, which appear to be served by run-off or underground flows from that formation. The pools occur in grassy glades that may have been perpetuated by regular burning for hunting purposes (Robertson & Luke, 1993). Extreme seasonal flooding events, such as those attributed to the 'El Niño' weather phenomenon in the last few decades, could also have prevented establishment of large trees in these clearings. Just outside the reserve boundary in the northwest is a larger more permanent swamp known as 'Lake' Jilore occurring in a local depression.

Legal status and management

Although 1932 is the date most often cited in the literature, the first formal declaration of Arabuko-Sokoke as a Forest Area with a demarcated boundary was actually in 1914 through Proclamation No.4 of that year. According to this recently traced Proclamation, made under the Forest Ordinance, its area is indicated as 132 sq. miles or 34 180 ha. The better known 1932 declaration added new areas and made adjustments to the boundary which now enclosed 39 089 ha. Kararacha block measuring 2675 ha was added on its eastern side in 1968 bringing the total area to 41 764 ha which it remains to date. A Nature Reserve was established within Arabuko-Sokoke in 1977 and expanded in 1979 to its present area of 4334 ha. Under the Forest Act no exploitation of any kind is permitted in a Nature Reserve, though it appears that this was never strictly adhered to here and the site cannot be regarded as pristine or untouched (Robertson & Luke, 1993).

In 2004 the Government published a gazette notice (No 1106) of intention to declare Madunguni a Forest Area to add to the main Reserve. This was a wooded strip of land of approximately 951 hectares between the northern boundary of the Reserve, and a scarp falling to the Sabaki River basin. Shortly thereafter Madunguni was almost completely occupied by people claiming land there and the matter is still in abeyance. Most of the forest vegetation has been cleared in the meantime. An area of 600 ha immediately northwest of the forest reserve near Jilore was declared the Arabuko Sokoke National Park in 1990 consisting mostly of bushland and thicket with some woodland. Elephants frequently visit this location on the southern side of 'Lake' Jilore especially during the dry season.

The primary purpose of gazettement of Arabuko-Sokoke was to enable controlled utilization of forest resources, although in recent years biodiversity conservation has increased in importance. As a forest reserve the statutory authority for Arabuko-Sokoke is the Kenya Forest Service (KFS) mandated by the Forest Act. Three forest stations are located at Jilore, Gede and Sokoke, in the north, east and south respectively. Owing to a significant elephant population and important avifauna in Arabuko-Sokoke, the Kenya Wildlife Service (KWS) is active in the forest. This agency has an office at Gede forest station, where the Kenya Forest Research Institute (KEFRI) also has a regional centre. The National Museums of Kenya (NMK) frequently undertakes species monitoring in the forest in collaboration with conservation bodies like Nature Kenya and A Rocha Kenya. It also supports the renowned Kipepeo butterfly farming project, an important source of livelihood for local communities living around Arabuko-Sokoke. Kipepeo is based at Gede Ruins not far from the forest station.

The four State agencies above, together with NGOs including NatureKenya, A Rocha Kenya and Friends of Arabuko-Sokoke, as well as community groups, form the Arabuko-Sokoke Forest Management Team (ASFMT). This is a forum that supports KFS in the protection and conservation of the forest and has been in existence since the early 1990s.

Vegetation

There is broad agreement that Arabuko-Sokoke consists of at least three distinct forest types that are closely related to geology and soils (Britton & Zimmerman 1979; Robertson & Luke 1993). On the low-lying plain with mostly coral rag and calcareous soils and the highest rainfall (annual average 1000 mm) is mixed semi-deciduous forest. This comprises a diverse tree flora in which *Afzelia quanzensis*, *Hymenaea verrucosa*, *Combretum schumannii*, *Drypetes reticulata*, *Dialium orientale* and *Manilkara sansibarensis* are common. The canopy is up to 20 m high and typically close and dense with a tangled understory of shrubs and small trees. This mixed semi-deciduous zone occupies approximately 16% of the area of the reserve. Many authors recognize drier and wetter variants with some referring to the latter as 'rain forest'. *Terminalia sambesiaca* and *Gyrocarpus americanus* occur with *Adansonia digitata* in a small area along the southern boundary that may indicate underlying coral rock (Robertson & Luke, 1993).

Mixed forest contrasts markedly with *Brachystegia* forest further west and south in a zone of very infertile, white sandy soil. This type, approximately 18% of the reserve, is dominated by *Brachystegia spiciformis* and *Julbernardia magnistipulata*, with some *Afzelia* and *Cassipourea euryoides* present. The forest averages 15-18 m in height with a limited understory and an open appearance. The greater height, canopy closure and fire exclusion of the *Brachystegia* and *Julbernardia* stands in Arabuko-Sokoke differentiate this vegetation from 'woodland' (*e.g.* miombo) with which they are more commonly associated with elsewhere (Clarke & Robertson, 2000).

The low ridge of ancient Magarini sands in the north and west of the reserve, with the characteristic red soil, is covered mainly by dense stands of *Cynometra webberii* averaging 6–8 m in height, interspersed with *Manilkara sulcata* and *Oldfieldia somalensis*. *Brachylaena huillensis* occurs here but has largely disappeared due to logging, and the cycad *Encephalartos hildebrandtii* is also common. The *Cynometra* forest zone covers

the largest area (66%) of Arabuko-Sokoke though it is closer to thicket in the more arid north and west. The average annual rainfall in this zone is 600 mm.

The forest habitats of Arabuko-Sokoke have been categorized as 'evergreen dry forest' by Dale (1939); and 'lowland dry forest' and 'woodland' by Moomaw (1960). Within the more recent classification of Eastern African coastal forests by Clarke (2000) the vegetation assemblages of Arabuko-Sokoke fall within the broad 'coastal dry' forest type, which encapsulates 'legume-dominated forest', 'mixed dry forest', 'mixed scrub forest' and 'coastal *Brachystegia* forest'. Eastern African coastal forests are dominated by tree species endemic to the Swahilian regional centre of endemism, which stretches from coastal southern Somalia to northern Mozambique (Clarke, 1998). Dry forest, though highly variable, is the most extensive vegetation type of this floristic region (Clarke & Robertson, 2000).

There are approximately 700 ha of tree plantations within the Forest Reserve, mostly exotics, including *Casuarina equisetifolia*, *Gmelina arborea*, *Araucaria cunninghamii*, *Azadirachta indica* and *Eucalyptus* species. The plantations are in variable condition, some poorly stocked and overgrown (Arabuko Sokoke Forest Management Team, 2002) and mostly found in the vicinity of the forest stations.

Fauna

A significant number of invertebrate and vertebrate faunal species, some of them rare and endemic, are known to occur in Arabuko-Sokoke. Three hundred and twenty species of butterfly, including three near-endemics, are recorded for the forest (Ayiemba, 1995; Burgess & Clarke, 2000). There is notable diversity in other arthropod groups including rare termites though more studies are needed in this area (Bagine *et al.*, 1992). The critically endangered snail *Incertihydrobia teesdalei* Verdcourt, 1958 is endemic to 'Lake' Jilore.

Arabuko-Sokoke is home to 88 species of reptiles and 30 species of amphibians (Taylor *et al.*, 2019) including the Endangered *Phrynobatrachus ungujae* Pickersgill, 2007 and is thought to be one of the richest sites for frogs in the country (Fanshawe, 1995).

The forest is in particular noted for its bird life. Apart from the high number of bird taxa (261), six of the species are endemic or near endemic including Clarke's weaver *Ploceus golandi* (Clarke, 1913); Sokoke scops owl *Otus ireneae* Ripley, 1966; Amani sunbird *Hedydipna pallidigaster* (Sclater & Moreau, 1935); Sokoke pipit *Anthus sokokensis* van Someren, 1921; spotted ground thrush *Geokichla guttata* (Vigors, 1831) and East Coast akalat *Sheppardia gunningi* Haagner, 1909. The East Coast akalat is classified on the IUCN Red List as Near Threatened, and the other five species as Endangered. Arabuko-Sokoke has consequently been listed as a globally Important Bird Area (Britton & Zimmerman, 1979; Kelsey & Langton, 1984; Fanshawe, 1995; Jackson *et al.*, 2018a; Birdlife International, 2019).

Seventy-three mammal species have been recorded in Arabuko-Sokoke (Thomas, 1988; Kanga, 2002; Jackson *et al.*, 2018b). These include large mammals such as the savanna elephant *Loxodonta africana* (Blumenbach, 1797) (Vulnerable), African buffalo *Syncerus caffer* (Sparrman, 1779) and leopard *Panthera pardus* (Linnaeus, 1758) (Vulnerable); as well as bushbuck *Tragelaphus scriptus* (Pallas, 1766), yellow baboon *Papio cynocephalus* (Linnaeus, 1766) and vervet monkey *Chlorocebus pygerythrus* (F. Cuvier, 1821). The red bush squirrel *Paraxerus palliatus* (Peters, 1852) and Sokoke bushy-tailed mongoose *Bdeogale omnivora* Heller, 1913 (Vulnerable) also occur here. Aders's duiker *Cephalophus adersi* Thomas, 1918 (Vulnerable) which is rare has been sighted, though not in the recent past, and the golden-rumped giant sengi *Rhynchocyon chrysopygus* Günther, 1881 (Endangered) is almost endemic to the forest and its environs (Fitzgibbon, 1994).

Estimates for the size of the elephant herd at Arabuko-Sokoke vary between 100 and 150 (Fanshawe, 1994; Kenya Wildlife Service, 2013) but its imprint on the forest is large. As the Reserve is now completely enclosed by electric fencing to protect surrounding farms and crops, the elephants are more restricted in their movement than before. This has resulted in significant damage to forest vegetation, especially during droughts when watering holes in the forest dry up and the elephants uproot and strip the bark off shrubs and trees for moisture.

Human environment

There are 54 villages directly bordering on the forest reserve, which fall in 18 administrative units (Locations) around Arabuko-Sokoke. This forest - adjacent population was estimated at 104 000 in 2002 (ASFMT, 2002) and may be at least 170 000 today assuming a conservative annual growth rate of 3%. The majority are of the Giriama ethnic group and engage in small-scale rain-fed subsistence farming, growing maize, cassava and beans.

However, the low fertility of local soils, combined with erratic and unreliable rainfall patterns ensure that crop yields are low. Coconut, cashew and mango trees are maintained as cash crops in many of the farms,

and along with wage employment when it can be found, are the main source of income (ASFMT, 2002). The local population struggle to meet their basic needs on a regular basis.

Poverty prevalence in Kilifi County as a whole has been estimated at about 70 % compared to the national average of 45.9% (Kenya Inter-Agency Rapid Assessment, 2014). The result is a high dependence on local natural resources and Mogaka (1991) estimated that over half of Arabuko-Sokoke forest-adjacent households regularly obtained fuelwood, poles, wild foods and water from the forest. A range of small businesses are found in local market centres along the Malindi highway such as Tezo, Chumani, Matsangoni and Gede.

History of utilization

The first people to occupy and use Arabuko-Sokoke for millennia were probably small itinerant groups who hunted and collected honey and other wild foods. These hunter-gatherers traded game and forest products with more settled communities in the vicinity (Kassam & Bashuna, 2002), but their mode of life and low population ensured that the impact of their activities on the forest was very limited. Their descendants variously known as Wa-Atha or Wa-Sanya, were active in Arabuko-Sokoke well into the twentieth century (Fitzgerald, 1898; Mogaka, 1991) and still live around the forest today though extensively intermarried with other groups.

Archaeological evidence along the Eastern African coastal strip points to sedentary metal working communities existing there from as early as the 4th century AD (Burgess & Clarke, 2000). A number of stone towns of the coastal Swahili (Afro-Arab) culture, including Malindi and Gede, were already established near Arabuko-Sokoke early in the second millennium. They were maritime in character exporting products such as ivory, grain, gum copal, fibres, timber and slaves by sea (Moomaw, 1960). Arabuko-Sokoke was probably an important source of timber for shipbuilding from those times, as well as other products, including ivory and honey supplied by the Wa-Atha.

The effect of this utilization appears to have been generally low though detailed records are lacking (Kelsey & Langton, 1984). An account of Arabuko-Sokoke by Fitzgerald (1898) at the end of the 19th century, describes extensive areas of closed forest with very limited human activity. He observed a small number of clearings and farms near the sea, and also met the Wa-Atha, but saw almost no logging. Tapping of *Landolphia kirkii* for rubber and *Hymenaea verrucosa* for resin (gum copal) was taking place to supply traders in the Swahili towns, as well as collection of lichens used in the manufacture of dyes.

With gazettement of the forest area by the British colonial government early in the twentieth century, systematic timber extraction began at Arabuko-Sokoke, and increased steadily. Firms were invited to exploit the forest and supply a broader national (and export) timber market. A number of timber saw-mills were established starting in the 1920s at Mida, Arabuko, Kararacha, Sokoke and Dida (Robertson & Luke, 1993). The main tree species removed were *Afzelia quanzensis*, and *Manilkara sansibarensis* from the mixed forest zone in the east, and *Brachylaena huillensis* from the *Cynometra* forest in the south and west of the reserve.

Substantial quantities of timber were harvested in the following decades continuing up to Independence in 1963 and beyond. By the mid 1960s most of the saw-mills in Arabuko-Sokoke had closed down having exhausted all the suitable material. The 'Akamba' curio carving industry which largely used *Brachylaena* wood had become established by this time. Wood-carving co-operatives from Mombasa were licensed to remove the remaining smaller diameter *Brachylaena* trees from the forest (Forest Department, 1963; 1964). This appears to have been poorly managed: accounts by Britton & Zimmerman (1979) of the effects of indiscriminate tree-felling in Arabuko-Sokoke contrast strongly with the impressions of Fitzgerald almost 100 years earlier.

Eventually all logging in the forest was discontinued in the early 1990s particularly due to concern about the disappearance of *Brachylaena* from Arabuko-Sokoke. Today, only collection of dry firewood headloads by forest adjacent households is permitted for domestic use. However, some illegal cutting of poles and small trees still takes place for local use and possibly sale, as evidenced by periodic sample surveys of the forest (Jackson *et al.*, 2017). Cases of charcoal burning have been documented within the reserve, and it is believed that wood is also taken outside the forest to make charcoal (Waters *et al.*, 2007), for which there is ever-increasing demand.

Pure silica sand deposits were discovered in Arabuko-Sokoke at Gede in the 1950s and quarried to supply glass manufacturers, but this ceased towards the end of the 1980s. Entry fees for recreational activities, particularly bird-watching, constitute the main revenue of the forest reserve today, as well as limited harvesting of the exotic plantations.

A large area of forested land possibly equal to that of the reserve itself had been left outside the reserve boundary on gazettement (Fanshawe, 1995). On the eastern, seaward side this was used to establish a number of settlement schemes for the landless starting in the 1950s including Matsangoni, Mijomboni, Ngerenya, Roka and Tezo (Mogaka,1991). A smaller scheme at Mida known as Mahaji had been established much

earlier in 1914 to settle freed slaves and appears as a finger-like indentation in the eastern boundary line. The process of settlement to the west of Arabuko-Sokoke took place later and was less structured as people moved in and staked out claims in unoccupied land held by the local government. As the schemes and other farms were gradually occupied and cleared, almost all the natural forest vegetation gave way to coconut and cashew stands or thicket.

Background of the checklist

Botanical collectors have been active in Arabuko-Sokoke since the 1920s. Names such as R.M. Graham, G.W. Jeffery, I. Dale, R. Polhill, G.W. Sangai, R.B. Faden, J.M. Kimeu, S.A. Robertson, W.R.Q. Luke and S.P. Kibua occur frequently on specimen vouchers from Arabuko-Sokoke. Their profiles can be found in Polhill & Polhill (2016).

The earliest available plant checklist for Arabuko-Sokoke is an annex in a publication on the vegetation of Gedi National Monument by Gerhardt & Steiner (1986). The list, which was not annotated, contains 268 species. An unpublished report on Arabuko-Sokoke by Thomas (1988) contained a list of 207 plant species from surveys in the forest. Mutangah & Mwaura (1992) also compiled a checklist of 211 species in their report of a KIFCON biodiversity survey there. Robertson & Luke (1993) presented a schedule of 511 taxa (collected and noted) from their fieldwork in Arabuko-Sokoke for the WWF/NMK Coast Forest Survey (CFS). Robertson later drew from the CFS list, Mutangah & Mwaura (1992), and her own work to develop a list of 475 taxa in 100 families (Robertson, 1999) which, though unpublished, has been the main Arabuko-Sokoke plant reference for many years. She suggested that any publication of the list in future should include annotation, with a specimen cited for each record, and the plant form noted (A. Robertson, pers. com.).

A Rocha Kenya more recently published a plant checklist dataset of 512 taxa authored by Luke *et al.* (2019) on the GBIF online platform. This document combines CFS data of the 1990's, specimens in the East African herbarium, and additions by W.R.Q. Luke from later work. All the existing lists were therefore closely related and provided an adequate basis for this assignment.

Aims of the checklist

As indicated above, a significant number of plant species have been recorded from Arabuko-Sokoke forest over the years. However, the lists of these finds do not include corresponding voucher specimen details, which would be required for scientific publication and wider use of the information. The existence of a verifiable specimen of a recorded plant in a publicly accessible collection, is now almost a universal standard for plant–related publications (Culley, 2013). Such a specimen, identified by an expert, should be available for re-examination by others if the need arose (Culley, 2013). It also provides physical proof of collection of a plant at a particular site.

This paper aims to fill the gap in existing Arabuko-Sokoke plant records by providing details of a curated voucher specimen to support each record from the forest. The annotated plant list published by Luke (2005) for the Shimba Hills, the other major coastal forest ecosystem in Kenya provides a notable precedent. Such a document for Arabuko-Sokoke would be of value, not just for scientists, but for anyone with an interest in plants generally and coastal plants in particular. It should also serve as a sound foundation, or springboard, for future botanical fieldwork at the site.

MATERIALS AND METHODS

A working 'master' list was compiled of all known plant records from Arabuko-Sokoke forest. The lists by Gerhardt & Steiner (1986), Thomas (1988), Mutangah & Mwaura (1992), Robertson & Luke (1993), Robertson (1999) and Luke *et al.* (2019) were combined and collated. No new collections were made in the field but Fungomeli (2019) supplied a list of species identified in Arabuko-Sokoke during coastal forest fieldwork she was undertaking at the time. Voucher specimens from Arabuko-Sokoke were subsequently located in the East African herbarium (EA) in Nairobi in respect of each record on the master list. Although strongly advocated by S.A. Robertson (pers. com.), there is unfortunately no local reference herbarium.

A search was also made in the EA herbarium for Arabuko-Sokoke representatives of families and species not on the master list, but featuring in the literature on coastal forests. A significant number of records were added to the list in this way. Only one voucher specimen was selected for each taxon listed. Information including collection locality, plant description, the collector's name and collection number were duly noted.

Often the descriptions of the vouchered specimens were not sufficiently detailed and reference was also made to literature sources. These included Beentje (1994), Luke (2005), Flora of Tropical East Africa (FTEA), and online plant databases including Global Plants (2020), Useful Tropical Plants Database, (2019)

and Plants of the World Online (2020). The taxon description provided in the checklist is therefore a 'common' rather than specific one. Although a simple indication of growth habit and size would have sufficed for the checklist, the author favoured inclusion of a more detailed description as in Luke (2005). While unavoidably variable and difficult to standardize, there may be some cognitive benefit for readers who are not botanists or plant specialists in having a 'word picture' of the plant. For a fieldworker with some knowledge of the plants, the descriptions may also be of use, as a ready source of diagnostic features.

Local and global distribution of the species were obtained from the same literature sources. The primary reference for taxonomy was the online African Plant Database (African Plant Database, 2019). Globally threatened taxa were ascertained by consulting the IUCN Red List of Threatened Species (IUCN, 2019).

Although only one specimen is cited per taxon in the checklist, collecting locality details were felt to be of value where available, offering a good starting point for repeat collection or other research. For a large number of species in any case, the single specimen was the only one from Arabuko-Sokoke available in the herbarium. Where voucher labels merely indicated 'Arabuko-Sokoke forest' as the locality with no elaboration using local landmarks or co-ordinates, it was entered generically in the checklist as 'Arabuko-Sokoke'. This should not be confused with 'Arabuko' or 'Sokoke' cited singly which refer to specific areas within the forest (see map).

A number of plant specimens collected in the field and reportedly identified/confirmed by the EA herbarium particularly for Thomas (1988) and Mutangah & Mwaura (1992) were apparently not retained in the collection. Robertson & Luke (1993) also indicated in their report that species that were familiar to them from previous work were noted and listed, but not always collected. Although voucher specimens in the above instances were not available, the taxa were included in our list as 'sight records' (s.r.), with an indication of the source reference e.g. "s.r. (Thomas, 1988)". Luke (2005) employed this category in the Shimba Hills checklist for plants with which he was familiar or had collected elsewhere.

Specimens from Arabuko-Sokoke cited in FTEA, the primary flora for the region, but not seen at EA herbarium were also listed. The vouchers for such cases would be either at the herbarium of the Royal Botanical Gardens, Kew, (UK), or in other herbaria with African collections studied by the authors of the various fascicles of FTEA.

Area of the checklist

As noted earlier, large tracts of forest had existed outside the formal reserve boundaries for many decades. In fact, as they occurred on Crown or Trust land these forest areas were also managed by the Forest Department. Plant collectors were not always familiar with the boundaries and it is just possible that some specimens were not obtained within the designated reserve, though indicated as such (Luke, 2019). It was decided not to confine the checklist coverage strictly to the current forest reserve boundaries, which in any case are an arbitrary construct. The area between the eastern reserve boundary and the sea was therefore included, though it is no longer forested.

A number of plant collections had been made along a motorable track following the southern and western boundary of the reserve and a peripheral strip of 50 metres was included here for purposes of the checklist, similarly along the Mijomboni-Kakuyuni boundary line in the northeast. Directly north, the checklist encompasses the Madunguni area up to the scarp falling to the Sabaki River flood plain, as well as 'Lake' Jilore. In the south-west, the Nyari between Dida and Sokoke just outside the boundary was included. The total extent of the checklist area as outlined above is estimated at about 60 000 ha.

Checklist structure

All listed families and genera follow the Pteridophyte Phylogeny Group classification (PPG, 2016) for ferns (now lycophytes and monilophytes); Christenhusz *et al.* (2011) for gymnosperms, and the Angiosperm Phylogany Group IV system (APG, 2016) for angiosperms. The fern families are listed alphabetically. However, in order to facilitate tracing of the specimens, the angiosperms are listed according to the family numbering currently employed at the EA herbarium, which is based on the Hutchinson system (Hutchinson, 1973). This sequence is likely to be still used for some time while a review takes place in line with current taxonomic trends (P. Musila, pers. com.). EA Family numbers shown in brackets indicate that materials from the families (or genera) listed underneath are found in that numbered section at present, pending relocation to conform with the APG circumscription. Genera are listed alphabetically within their families, and likewise species within genera.

Each species in the list is represented by short notes in a specific sequence. The top lines contain the taxon name, and one cited specimen (or reference in case of sight records). The following lines contain a collection locality, if available, and a brief description of the plant. The final line shows the phytogeographic distribution of the taxon, as well as its extinction risk status if it appears in the IUCN Red List of threatened

species (IUCN, 2020). The IUCN Red List categories include 'Critically Endangered', 'Endangered', 'Vulnerable' and 'Near Threatened'. A question mark '?' preceding a name signifies some doubt about an identification or statement.

Distribution terms refer to the phytochoria (floristic regions) of Africa as defined by White (1983), and modified by Clarke (1998). The 'Swahilian' regional centre of endemism of Clarke is understood here in its broadest sense (*sensu lato*) as stretching from southern Somalia to northern Mozambique. Lindi sub-centre covering south-eastern Tanzania and north-eastern Mozambique is however now regarded as a major centre of plant endemism in its own right (Burrows & Timberlake, 2011). 'Swahilian endemic+' indicates a Swahilian endemic also found in an adjacent floristic region, such as Somalia-Masai, Zambesian, Tongaland-Pondoland. Other categories include 'Pan-African' (in which category for convenience we include Madagascar and the Arabian Peninsula), and 'Pan-Tropical'.

RESULTS

A final total of 605 plant species are included in this annotated checklist for Arabuko-Sokoke (appendix 1), out of which 491 are supported by voucher specimens in the East African herbarium and 106 are sight records. An additional 8 are cited from *Flora for Tropical Eastern Africa*. This total represents approximately 9% and 18% of the flora of Kenya and the coastal region (K7 of FTEA) respectively. The species are distributed in 103 families and 389 genera, with the largest represented families being Fabaceae/Leguminosae (62 species), Rubiaceae (53) and Malvaceae (26). The largest genera are *Grewia* (7 species), *Ficus* (6), *Cyperus* (5) and *Ipomoea* (5).

Growth forms

The table below provides the distribution of growth forms among the taxa. Such groupings apply only in a broad sense as individual collectors have tended to use varying criteria resulting in significant overlap, for example between trees and shrubs, and shrubs and herbs (Clarke *et al.*, 2000). *Table1. Growth forms.*

Form	No. spp.	% of total
Trees	120	20
Shrubs	147	24
Lianas, climbers, scandent shrubs	84	14
Herbs	202	33.3
Woody herbs	33	5.4
Parasites	8	1.3
Epiphytes	11	2
Total	605	100

Although the forest ecosystem is dominated physically by woody plants, herbs are the most species-rich growth form, followed by shrubs and trees.

Phytogeographic affinities

Phytogeographic affinities of the species of Arabuko-Sokoke are indicated in table 2 below. The proportion of Swahilian regional endemics (including Kenya coast and site endemics) is approximately 28 percent.

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Phytogeographic Spread	No. spp.	% of total
AS Site endemic	1	0.2
Kenya Coast endemic	13	2.0
Swahilian Region endemic	154	25.5
Swahilian endemic + one other region	116	19.0
Somalia-Masai Region endemic	2	0.3
Pan-African	170	28.0
Pan-Tropical	149	25.0
Total	605	100

Conservation concern

Occurrence of species of conservation concern in Arabuko-Sokoke which are included in the IUCN Red List of threatened species is as in table 3 below.

Table 3 Threatened species.

IUCN Red List Category	No.
Critically endangered	3
Endangered	8
Vulnerable	26
Near threatened	14
Total	51

Threatened species in Arabuko-Sokoke include 3 Critically Endangered, 8 Endangered and 26 Vulnerable. As the conservation assessment of the complete flora of the region is still limited the numbers are likely to be higher.

DISCUSSION

Analysis of the checklist reveals patterns which are fairly consistent with other data on Kenyan, and Eastern African coastal forests developed over the last 30 years (*e.g.* Robertson & Luke, 1993; Clarke, 1995; Clarke *et al.*, 2000; Timberlake, 2011; Darbyshire, 2019; Ngumbau, 2020). They also point to a need for further collecting in Arabuko-Sokoke, as recommended by Robertson (1999) and Luke (2019). For example, though most of the angiosperms have been captured in the checklist, the ferns (monilophytes) are under-represented, and fern-allies (lycophytes) do not appear at all. Among the flowering plants, Robertson (1999) singles out Commelinaceae, Cyperaceae and Poaceae as needing more attention.

Species richness

With 605 species the plant checklist of Arabuko-Sokoke is sizeable, although not comparable with Shimba Hills, the other major Kenyan coastal forest ecosystem, with 1396 records from a similar collecting area (Luke, 2005). The two areas, however, harbour fundamentally different forest types, with Shimba classified as 'moist' forest (after Hawthorne, 1993), whereas Arabuko-Sokoke consists of 'dry' forest assemblages. Arabuko-Sokoke is more similar to other coastal dry forests in the Swahilian region. Forests in Cabo Delgado, north-east Mozambique, for example, seem to be in a similar range of species richness with 738 plant species recorded from 40 000 ha (Timberlake *et al*, 2010). Most coastal dry forests in Eastern Africa are considerably smaller in area than this, but a general pattern of having comparatively fewer species than moist forests is observable from the literature (*e.g.* Clarke & Dickinson, 1995; Lehmann & Kioko, 2005).

A number of studies have shown that wetter conditions support the establishment of a wider range of species in tropical forest systems (Gentry, 1988; Givnish, 1999; Laurance *et al.*, 2010; Nunes Santos, 2018). Eastern African coastal moist forests usually occur on sites of significant precipitation (at least 1000 mm) due to higher elevation, but also on lower-lying areas with a high-water table (Moomaw, 1960; Hawthorne, 1993). In the Kenyan coastal zone, Shimba Hills and Jibana Forests exemplify the former scenario and Gongoni Forest the latter, all sites of notable species richness (Robertson & Luke, 1993; Malombe *et al.*, 2010). The relative topographic evenness and hence limited 'habitat availability' (after Hawthorne, 1993), of Arabuko-Sokoke, combined with the highly infertile soils observed there by Moomaw (1960), may also conspire against greater species diversity.

Families and genera

The Leguminosae, Rubiaceae and Malvaceae are the largest families represented in Arabuko-Sokoke, followed by Apocynaceae, Acanthaceae and Poaceae. Leading genera in terms of species numbers include *Grewia*, *Ficus*, *Cyperus* and *Ipomoea*. These families and genera also dominate the plant checklists of other forests in the Swahilian region (*e.g.* Robertson & Luke, 1993; Clarke, 1995; Luke, 2005; Timberlake, 2011; Ngumbau, 2020).

Members of the Leguminosae family are particularly notable for their successful occupation of areas with sandy and infertile soils, possibly owing to their ability to form fungal mycorrhizal associations and fix nitrogen. Trees of *Brachystegia spiciformis, Julbernardia magnistipulata* and *Cynometra* species form almost

pure stands in many dry forests including Arabuko-Sokoke (Clarke & Robertson, 2000). The largest proportion (20%) of species in the shrub or sub-canopy layer of the forest are in the Rubiaceae family, while the majority of lianas are from Apocynaceae and Celastraceae.

Endemic species

From an analysis of the checklist, approximately 28% of the plant taxa of Arabuko-Sokoke are Swahilian regional endemics (including Kenya Coast and site endemics). The proportion of regional endemics in the Kenya coastal forest flora as a whole is estimated at 33% (Ngumbau, 2020). There is however considerable variation between individual sites in the fraction of endemic species, which range between 25 to 40% (*e.g.* Robertson & Luke, 1993; Luke, 2005; Lehmann & Kioko, 2005).

Approximately 70% of the regional endemic species in Arabuko-Sokoke are woody (trees, shrubs or lianas) reflecting a common pattern in the Swahilian region (Hawthorne, 1993; Clarke *et al.*, 2000), with herbs accounting for 24%. Being mostly trees and shrubs, the endemics are naturally more vulnerable to extraction as timber and poles for human use (Lehmann & Kioko, 2005).

The one site endemic of Arabuko-Sokoke is *Taxillus wiensii*, a woody parasite of the Loranthaceae, which is found in *Cynometra* forest. Single-site endemics are more numerous in forests such as Shimba Hills as well as Litipo, Kazimzumbwi and other forest sites in Tanzania (Clarke & Dickinson, 1995; Clarke *et al.*, 2000). Remarkably high levels of strict site endemism have been uncovered by recent surveys in the dry forests of north-east Mozambique, in addition to significant species turnover (variation) between sites (Timberlake *et al.*, 2011; Darbyshire *et al.*, 2019).

Threatened Species

Three Critically Endangered, 8 Endangered, 26 Vulnerable and 14 Near Threatened plant species on the IUCN Red List are found in Arabuko-Sokoke, making a total of 51. This is a clear indication of the importance of the site for protection of globally threatened plants. The majority of Red Listed species in Arabuko-Sokoke (80 %) are regional or Kenya Coast endemics. Most are trees or shrubs and can be regarded as forest-dependant.

Among the Vulnerable and Near Threatened species at the site are *Encephalartos hildebrandtii*, *Cynometra webberii*, *Cynometra suahiliensis*, *Julbernardia magnistipulata*, *Dalbergia melanoxylon* and *Craibia brevicaudata*. Such species are still considered widespread in the Eastern African coastal region but facing an increasing threat from the destruction of forest and woodland habitats for settlement, agriculture and infrastructural development (Ngumbau et al., 2020).

Conservation value of Arabuko-Sokoke

As noted above, Arabuko-Sokoke is undoubtedly important for the protection of globally threatened plants. The species richness of the site though significant is however only moderate compared to other forests in the Kenya and Eastern African coast in general, particularly those of the moist type. Local site endemism is also limited.

Robertson & Luke (1993) suggested that the distinctiveness of Arabuko-Sokoke is in its size and relative intactness. Available data seem to confirm that Arabuko-Sokoke at 41 764 ha is one of the largest remaining continuous blocks of the dry forest type in the Swahilian region *sensu lato*. No site among the coastal dry forest areas of Tanzania compares in size (Critical Ecosystem Partnership Fund, 2003). The approximately 40 000 ha of closed-canopy dry forest (as distinct from extensive *Julbernardia* or *Brachystegia* woodland) of north-eastern Mozambique, is distributed over multiple sites and described as only 'moderately' intact by Timberlake *et al.* (2011). These forests have no formal state protection and face an increasing threat of clearance for subsistence agriculture (Timberlake *et al.*, 2011).

It is estimated that between 80 and 90% of the original Eastern African Coastal Forest habitat largely composed of dry forest, has been lost in the last 150 years (Hawthorne, 1993; Timberlake, 2011). Forested land has been converted to settlement, urban and infrastructure development, commercial agriculture and mining among other uses (CEPF, 2003; World Wildlife Fund, 2011). As a substantial and stable protected remnant of a once widespread but highly threatened habitat type, Arabuko-Sokoke is of immeasurable value, both in a local and global context.

Although the coastal dry forests are complex and varied, the vegetation zones of Arabuko-Sokoke exemplify many of their key features, subtypes and variants including typical genera and species. For example, all of the twenty most common woody plant species of Kenya Coastal forests as identified by Fungomeli *et al.* (2020) are present in the forest. The importance of Arabuko-Sokoke for the conservation of limited-range and globally threatened bird species has already been noted, also for small but significant numbers of globally threatened mammals, amphibians, gastropods and insects.

Arabuko-Sokoke compares well in terms of forest condition with other coastal forests in the region as documented for example in Tanzania (Burgess *et al.*, 1992; CEPF, 2003; Mkwiru *et al.*, 2016). While some illegal extraction activities by forest adjacent communities goes on (Jackson *et al.*, 2017), the Reserve has not suffered from significant encroachment, loss of vegetation cover and conversion to other land-uses within its boundaries for some time (see Tabor *et al.*, 2010).

State management has been in place at Arabuko-Sokoke for over 100 years. This did not spare the forest from unsustainable timber harvesting practices in the past, but the period of state protection is longer than for most sites in the Eastern African region. The primary policy objective for the forest is now conservation, as reflected by the activities permitted and undertaken there. In the last three decades the forest has attracted considerable research and investment in conservation and income-generating activities for forest-adjacent communities.

The Kenya Government has encouraged strong inter-departmental co-operation and stakeholder involvement in the management of the Arabuko-Sokoke (ASFMT, 2002). A sizeable community and NGO constituency for protection of this unique forest has also built up over the last few decades which shows no sign of abating. Arabuko-Sokoke has been placed on the official 'Tentative List' for Kenya as a candidate for UNESCO World Heritage status (whc.unesco.org). The forest is already part of the Malindi Watamu Arabuko Sokoke Biosphere Reserve (Kenya National Commission for UNESCO, 2019).

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APPENDIX 1. ANNOTATED CHECKLIST OF THE PLANTS OF ARABUKO SOKOKE FOREST

MONILOPHYTES

Davalliaceae

 Davallia chaerophylloides (Poir.) Steud.
 Rawlins S 746

 var. chaerophylloides
 'Arabuko-Sokoke'. Herb, rhizome to 15 mm wide, fronds widely spaced, basal pinnae largest.

 Pan-African.
 Pan-African.

Polypodiaceae

Microsorum scolopendria (Burm.f.) Copel. (Phymatosorus scolopendria (Burm.f.) Pic. Serm) Jilore. Herb, rhizomatous, fronds to 40 cm. Pan-Tropical Polhill R & Paulo S 858

Pteridaceae

Cheilanthes involuta (Sw.) Schelpe & N.C.Anthony var. involuta Nature Reserve. Herb, fronds to 30 cm, with dense chestnut scales. Swahilian endemic+. Cheilanthes viridis (Forssk.) Sw. 'Arabuko-Sokoke'. Herb, Fronds to 50 cm, petiole dark brown or black. Pan-African.

SPERMATOPHYTES

GYMNOSPERMS

Zamiaceae

Encephalartos hildebrandtii A.Braun. & C.D.Bouché Perdue RE & Kibuwa SP 10014 Jilore. Tree, to 2 m, leaves frond-like, in whorls, stiff and shiny, leaflets spiny. Swahilian endemic. Near threatened.

ANGIOSPERMS

Annonaceae	
Annona senegalensis Pers.	Sangai GW EA15586
subsp. senegalensis	
Mida-Jilore track (?). Shrub to 3.5 m, flowers	s cream yellow, extra-axillary, fruit syncarpous,
to 4 cm.	
Pan-African.	
Artabotrys modestus Diels.	s.r. (Robertson & Luke, 1993)
subsp. macranthus Verdc.	
'Arabuko-Sokoke'. Shrub (climbing), or liana	to 4 m, flowers greenish-yellow, fruit red.
Swahilian endemic.	
Asteranthe asterias (S.Moore) Engl. & Diels	Simpson BL 378
subsp. asterias	
'Arabuko-Sokoke'. Shrub, or small tree, to 4	m, leaves densely white-hairy when young,
flowers white to cream.	
Swahilian endemic. Near threatened.	
Huberantha stuhlmannii (Engl.) Chaowasku	Faden RB 71/697
(Polyalthia stuhlmannii (Engl.) Verdc.)	
Mida-Jilore track. Shrub, to 4 m, petals green	ish, maroon at base.
Swahilian endemic. Near threatened.	

Monanthotax	cis faulknerae Verdc.	Robertson SA & WRQ Luke 2601
	A-S Nature Reserve west boundary. Shrub, or climber, le	eaves pubescent beneath, to 5 cm,
	flowers solitary, yellow, monocarps reddish.	
	Swahilian endemic. Endangered.	
Monanthotax	tis fornicata (Baill.) Verdc.	Gardner RM 1426
	Mida. Shrub/climber to 4 m, leaves glaucous beneath, to 11 c	
	Swahilian endemic.	
Monodora gi	randidieri Baill.	Beecher 22/10/63
U	'Arabuko-Sokoke'. Shrub, or small tree, to 3 m, flowers	appearing before young leaves, petals
	yellow spotted with red, droopy, fruit green with white n	
	Swahilian endemic.	
Monodora iu	unodii Engl. & Diels	Mwadime TN 058
11201104014151	Mbarakachembe. Shrub, to 3 m, flowers solitary, appear	
	turning purple-brown, fruit green with brown marks. Swahilian endemic.	
Sphaerocorv	ne gracilis (Engl. & Diels) Verdc.	Luke WRQ & Robertson SA 2597
spilaeroeory	subsp. gracilis	Eake while a Robertson off 2597
	Mida/Arabuko. Shrub, or liana, to 12 m, outer petals to	14 mm fruit monogerns arimson
	Swahilian endemic.	14 mm, nut monocarps crimson.
Uvaria acum	<i>linata</i> Oliv.	Verdcourt B 1187 (cited in FTEA)
	Kakuyuni. Shrub, sometimes scandent, to 4 m, branchlet	
	pubescent, yellow or cream, monocarps sessile, round, o	
	Swahilian endemic.	
Uvaria lucido		Saufferer S & Muchai SM SS-1608
	subsp. lucida	
	Kakuyuni. Shrub, or liana, to 3 m, stamens pinkish or orange	monocarps pedicelled constricted
	Swahilian endemic.	
Uvaria pugu	ensis D.M.Johnson	Luke WRQ & Robertson SA 2604
	Nature Reserve west boundary. Shrub, or climber to 6 m	, leaves dark green, monocarp with
	densely pubescent pedicel, slightly constricted.	
	Swahilian endemic. Critically endangered.	
Uvariodendr	on kirkii Verde.	Luke WRQ 1945
	Dida/Sokoke Nyari. Shrub, to 3 m, flowers mostly on old	d wood, cream tinged maroon,
	monocarp oblong.	
	Swahilian endemic. Vulnerable.	
Xylopia aren	aria Engl.	Trump EC 96 (cited in FTEA)
	Sokoke. Shrub, or small tree to 3 m, bark greyish white,	leaves hairy on margin, petals grey-
	green hairy.	
	Swahilian endemic. Vulnerable.	
Xylopia holtz	zii Engl.	Muhra PC W95
	'Arabuko-Sokoke'. Tree, to 10 m, erect with open crown	n, petals yellow or greenish,
	monocarps 10, red or green.	
	Pan-African.	
011		
Lauraceae		
Cassytha filif	formis L.	Kuchar P 9974
	Mida Creek. Climber/liana, to 8 m, parasitic, flowers yes	llow.
	Pan-Tropical.	
018		
Nymphaeaco	eae	
	ouchali Burm.f.	Luke WRQ & PA 4731
1. j. i.p. nacu m	var.? caerulea (Savigny) Verdc.	Lune 111 (111 +/51
	'Arabuko-Sokoke'. Herb, aquatic, from tuberous rootstoo	ck flowers hue
	Pan-African.	er, nowers blue.
	1 un 1 1110un.	

Menisperma	17696	
Cissampelos j		Graham RM 1535
cissumperos p	var. <i>hirsuta</i> (Buch.–Ham. ex DC.) Forman	Granam KW 1995
	Arabuko. Creeper/climber, to 2 m, leaves sub-peltate, pub	escent
	Pan-Tropical.	escent.
Tiliacora funi	<i>ifera</i> (Miers) Oliv.	s.r. (Robertson & Luke, 1993)
1 macora juni	'Arabuko-Sokoke'. Liana, to 20 m, leaf petiole with swelli	
	clustered on old wood. Pan-African.	ing and being below blade, nowers
Tinospora oh	blongifolia (Engl.) Troupin	Kabuye C et al. 84/65
1 mospora ob	Sokoke. Climber/liana, to 2 m, leaves oblong.	Kabuye e et al. 64/65
	Swahilian endemic.	
(026)	Swannan endenne.	
Aristolochia	0000	
	andevu Beentje & Q.Luke	Luke WRQ 3033A
11yunora sina	Mida. Root parasite on <i>Commiphora africana</i> , to 16 cm, p	-
	four-lobed, reddish or pale pink inside. Swahilian endemic+.	arity below ground, nower nesity,
036		
Capparaceae	e	
Boscia angus	stifolia A.Rich.	Perdue RE & Kibuwa SP 10092
	var. angustifolia	
	Jilore Forest Station. Tree, to 8 m, leaves very coriaceous, on old wood. Pan-African.	, dark green with mucro, fascicled
Cadaba farin		Jeffery GW K373
e tradic d' j'al lit	subsp. farinosa	
	Sokoke. Shrub, to 2 m, young twigs covered with powdery	y scales, flowers yellowish green,
	petals 4.	
	Pan-Tropical.	
Capparis fasc	cicularis DC.	Luke WRQ & Robertson SA 2236
	var. scheffleri (Gilg & Gilg-Ben.) DeWolf	
	'Arabuko-Sokoke'. Shrub, or climber to 4 m, leaf apex ob fruit globose ca . 20 mm.	tuse, flowers clustered in leaf axils,
<i>c</i>	Swahilian endemic+.	
Capparis sept		s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Shrub/climber to 6 m, spines recurved, short shoots, fruit globose <15 mm.	, in pairs at nodes, infl. terminal on
	Pan-Tropical.	
Capparis tom	-	Splint R 3951
	Jilore/Sabaki erosion scarp. Climber/liana, to 10 m, young flowers terminal, fruit globose >15 mm.	-
	Pan-Tropical.	
Capparis vim	ninea Hook.f. & Thomson ex Oliv.	s.r. (Robertson & Luke, 1993)
	var. <i>viminea</i> 'Arabuko-Sokoke'. Shrub/climber to 5 m, leaf apex acumit	nata infl in avillary fassicles
	stamens to 3 cm.	nac, min. in axinary fascicles,
	Pan-African.	
Cladostemon	<i>i kirkii</i> (Oliv.) Pax & Gilg	Watson F 14340
Ciuiosiemon	Jilore. Tree, to 4 m, leaflets dark green, flowers white/yell fruit globose on thick stalk. Pan–African.	

Maerua ango	lensis DC.	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Shrub, or small tree, to 6 m,	deciduous, petiole as long as leaf, flowers
	white, fruit 'beaded'.	
	Pan-African.	
Maerua kirkii	i (Oliv.) F. White	Trump EC 95
	'Arabuko-Sokoke'. Shrub, or small tree, leaves si	imple, stiff, flowers white in dense corymbs,
	fruit orange, round with pointed apex. Swahilian endemic+.	
Maerua macr		s.r. (Thomas, 1988)
macria macr	'Arabuko-Sokoke'. Shrub, scandent, to 2 m, or li	
	cylindrical, knobbly, to 7 cm. Swahilian endemic+.	ana, icaves nesny, nuit orange-yenow,
Maerua triph	ylla A.Rich.	Kuchar P 9970
1.	var. calophylla (Gilg) DeWolf	
	Mida Creek. Shrub to 3 m, leaves simple or trifol	liate, fruit 'beaded'.
	Pan- African.	
Ditchiga capr	paroides (Andrews) Britten	Spjut RW 3907
Кистей сарр		10
	Jilore Forest Station. Shrub, scrambling to 2 m, t	ritoliate, fruit cylindrical, grooved.
	Pan-African.	
Thilachium aj	fricanum Lour.	Graham RM.1536B
	Mida. Shrub, or tree, to 2.5 m, leaves fleshy ellip	otic-obovate, fruit cylindric 6-8 ribbed.
	Pan-Tropical.	
Thilachium th	nomasii Gilg	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Shrub, to 2 m, leaves fleshy,	nearly round, fruit 5-7 ribbed.
	Swahilian endemic.	•
Cleomaceae		
Cleomaceae Sieruela bria	uetii (Polhill) Roalson & I C Hall	Simpson BL 361
	uetii (Polhill) Roalson & J.C.Hall	Simpson BL 361
	(Cleome briquetii Polhill)	-
	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk	-
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+.	with glands, leaves pinkish, flowers purple.
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall	-
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>nbarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax)	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988)
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988)
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>nbarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax)	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988)
Sieruela briqu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous,	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous,	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040 Violaceae	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic+. <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta.
Sieruela briqu Sieruela usan 040 Violaceae	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk Swahilian endemic + . abarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040 Violaceae	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic + . <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. <i>s enneaspermus</i> (L.) Flicker A-S <i>Brachystegia</i> woodland. Herb, perennial, to 2	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040 Violaceae	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic + . <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. <i>s enneaspermus</i> (L.) Flicker A-S <i>Brachystegia</i> woodland. Herb, perennial, to 2 spade-shaped.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu	(<i>Cleome briquetii</i> Polhill) A-S <i>Brachystegia</i> woodland. Herb, to 1 m, stalk Swahilian endemic + . <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (<i>Cleome usambarica</i> Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. <i>s enneaspermus</i> (L.) Flicker A-S <i>Brachystegia</i> woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple,
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk Swahilian endemic + . abarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988)
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic + . ubarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic +. nbarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic + . abarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical olia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu Rinorea ilicifu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic + . abarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles. Pan African.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611 lowers greenish cream to dull yellow in
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu Rinorea ilicifu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic + . <i>abarica</i> (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. <i>s enneaspermus</i> (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical <i>blia</i> (Welw. ex Oliv.) Kuntze var. <i>ilicifolia</i> Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles. Pan African. <i>mosa</i> (Boivin ex Tul.) Baill.	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu Rinorea ilicifu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic +. ubarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles. Pan African. mosa (Boivin ex Tul.) Baill. subsp. kaessnerii (Engl.) Grey-Wilson	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611 lowers greenish cream to dull yellow in Luke WRQ & Robertson SA 2235
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu Rinorea ilicifu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk y Swahilian endemic +. hbarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles. Pan African. mosa (Boivin ex Tul.) Baill. subsp. kaessnerii (Engl.) Grey-Wilson 'Arabuko-Sokoke'. Shrub, or small tree to 4 m, leaf	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611 lowers greenish cream to dull yellow in Luke WRQ & Robertson SA 2235
Sieruela briqu Sieruela usan 040 Violaceae Afrohybanthu Rinorea ilicifu	(Cleome briquetii Polhill) A-S Brachystegia woodland. Herb, to 1 m, stalk v Swahilian endemic +. ubarica (Pax ex Engl.) Roalson & J.C.Hall (Cleome usambarica Pax) 'Arabuko-Sokoke'. Herb, to 1 m, stalk glabrous, Pan-African. s enneaspermus (L.) Flicker A-S Brachystegia woodland. Herb, perennial, to 2 spade-shaped. Pan-Tropical blia (Welw. ex Oliv.) Kuntze var. ilicifolia Big Nyari. Shrub, to 2.5 m, leaf margins spiny, f terminal (axillary) panicles. Pan African. mosa (Boivin ex Tul.) Baill. subsp. kaessnerii (Engl.) Grey-Wilson	with glands, leaves pinkish, flowers purple. s.r. (Thomas, 1988) flowers pink/magenta. s.r. (Thomas, 1988) 30 cm, not branched above, flowers purple, Luke WRQ & Robertson SA 2611 lowers greenish cream to dull yellow in Luke WRQ & Robertson SA 2235

Polygalaceae			
Carpolobia goetzei Gürl	æ		Graham RM 2329
Arabuko.	Shrub, to 2 m, flowers with	red/purple mark on later	al petals.
Pan-Afric	an.		
Polygala amboniensis G	ürke		s.r. (Robertson & Luke, 1993)
	-Sokoke'. Herb, woody, leav endemic+.	es linear, infl. terminal,	of few - flowered racemes.
Polygala fischeri Gürke			Langridge WP 13
'Arabuko	-Sokoke'. Herb, upright, to 1 endemic+.	l m, flowers pink/purple	
Polygala kilimandjarica			s.r. (Robertson & Luke, 1993)
'Arabuko	-Sokoke'. Herb, woody, scar endemic+.	ident, to 1.5 m, flowers	
Polygala sansibarensis (T.	uke WRQ & Robertson SA 2590
	rb, annual, to 60 cm, stems b		wers pinkish in lateral racemes.
Polygala sphenoptera F	resen.		Luke WRQ 3023
	rb, woody, to 50 cm, semi-se	candent, flowers purplish	_
045			
Crassulaceae			
Kalanchoe ballyi Raym.	-Hamet ex Cufod.		s.r. (Robertson & Luke, 1993)
	Sokoke'. Herb, succulent, to e.	0 1.2 m, flowers pink to	
			Bamps P 6353
	Sokoke'. Herb, succulent, to	1 m, glabrous/glaucous a	all over, flowers yellow-orange.
Pan-Afric <i>Kalanchoe lateritia</i> Eng			Simpson BL 158
•			Simpson BL 158
var. <i>later</i>		o 60 am alandular flou	are bright arimson
	-Sokoke'. Herb, succulent, to	5 00 cm, giandular, now	ers bright crimson.
	an. Least concern.		Craham DM 2020
Kalanchoe obtusa Engl. Arabuko. green tub Swahilian	2.	glabrous, leaf apex obtus	Graham RM 2029 e, flowers bright red with light
047			
Vahliaceae			
Vahlia dichotoma (Muri	ay) Kuntze		Thulin 303 (cited in FTEA)
,	ek. Herb, to 70 cm, leaves li	near, flowers white to ye	
053			
Caryophyllaceae			
Polycarpaea grahamii T Nature Re	urrill serve NW corner. Herb, and ast Endemic. Endangered	nual, to 30 cm, flowers v	Faden RB & AJ 72/42 white.
(054)			
Gisekiaceae			
Gisekia pharnaceoides I	۷.		s.r. (Thomas, 1988)
var. phar	ıaceoides		
'Arabuko Pan-Trop	-Sokoke'. Herb, prostrate/pi cal.	rocumbent, to 60 cm, fle	shy, flowers creamy white.

Molluginaceae	
Glinus oppositifolius (L.) Aug.DC. 'Arabuko-Sokoke'. Herb, scrambler, to 50 cm, leaves	Simpson BL 162 in whorls, flowers axillary, white.
Pan-Tropical. 056	
Portulacaceae	
Portulaca quadrifida L.	Graham RM 2332
Arabuko. Herb, prostrate, succulent, rooting at nodes, Pan-Tropical.	
Talinaceae	
Talinum portulacifolium (Forssk.) Asch. ex Schweinf.	Spjut RW & Enson PD 2602
Jilore. Herb, creeping, succulent, flowers lavender/pin Pan-Tropical.	
057	
Polygonaceae	
Oxygonum salicifolium Dammer	Gillet JB & Kibua SP 20035
Mida. Herb, creeping to 40 cm, flowers white. Swahilian endemic.	
Persicaria decipiens (R.Br.) K.L.Wilson.	Simpson BL 259
'Arabuko-Sokoke'. Herb, creeping, flowers white. Pan-Tropical.	
063	
Amaranthaceae	
Achyranthes aspera L.	Sangai GW EA15585
Kakuyuni. Herb, woody, to 1 m, flowers >5 mm. Pan-Tropical.	
Aerva lanata (L.) Juss. ex Schult.	Kuchar P 9999
Mida Creek. Herb, woody, to 50 cm, erect or trailing, Pan-Tropical.	infl. woolly, white.
Atriplex farinosa Forssk.	Kuchar P 9953
subsp.? keniensis (Brenan) Friis & M.G.Gilbert	
Mida Creek. Shrub, or woody herb, white mealy, flow Swahilian endemic.	vers in dense terminal fascicles.
Celosia hastata Lopr.	Langridge WP 118
Sokoke. Herb, woody, to 2.5 m, erect or scrambling, I white and brown.	leaves hastate, infl. terminal, flowers
Swahilian endemic.	Simmer DL 227
Gomphrena celosioides Mart. 'Arabuko-Sokoke'. Herb, prostrate, to 20 cm, infl. silv	Simpson BL 227
Pan-Tropical. (introduced/naturalized).	very white.
Psilotrichum majus Peter	s.r. (Mutangah & Mwaura, 1992)
'Arabuko-Sokoke'. Herb, to 1.5 m, tepal nerves 7-9. Pan-African.	s.i. (Mutangan & Wwadia, 1992)
	iye CH, Gilbert VC & Robertson SA 84/17
Nature Reserve. Herb, woody, to 1.2 m, tepal nerves of	
Pan-Tropical. Pupalia lappacea (L.) Juss.	s.r. (Robertson & Luke, 1993)
var. velutina (Moq.) Hook.f.	5.1. (ROULISON & LUKE, 1993)
'Arabuko-Sokoke'. Herb, woody, to 60 cm, young leave coloured.	ves silvery below, bristles straw-
Pan-Tropical.	

Salicornia pa	<i>chystachya</i> Bunge ex UngSternb. 'Arabuko-Sokoke'. Herb, annual to 25 cm, strongly segmer Swahilian endemic.	s.r. (Roberston & Luke,1993) nted, fertile spikes many.
Suaeda monoi	<i>ica</i> Forssk. ex J.F.Gmel. Mida Creek. Shrub, succulent, much branched.	Kuchar P 10053
	Pan-Tropical.	
Tecticornia in	ndica (Willd.) K.Sheph. & Paul G.Wilson	Kuchar P 10054
	(Arthrocnemum indicum (Willd.) Moq.)	
	Mida Creek. Herb, succulent, forming mats.	
	Pan-Tropical.	
069		
Oxalidaceae		
Biophytum un	nbraculum Welw.	Jeffery GW K342
	(<i>Biophytum petersianum</i> Klotszch) Sokoke. Herb, to 25 cm, leaves in terminal crown, touch-se flowers pink.	ensitive, topmost leaflets largest,
	Pan-Tropical.	
072		
Lythraceae		
Ammannia ra	dicans (Guill. & Perr.) S.A.Graham & Gandhi	Polhill R & Paulo S 891
	var. <i>floribunda</i> (Sond.) S.A.Graham & Gandhi	
	Mida. Herb, to 50 cm, stems decumbent, flowers pink.	
Downhip and	Pan-African.	Kushar D 10004
Pempnis aciai	ula J.R.Forst. & G.Forst.	Kuchar P 10004
	Mida Creek. Shrub, or small tree, to 7 m, on beach location flowers pink, axillary. Pan-Tropical.	is, densely branched, leaves neshy,
Sonneratia all	-	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Tree, to 15 m, in the intertidal zone (maroots, fruit a globose berry with persistent style and sepals.	
077	Pan-Tropical.	
Onagraceae		
-	iaeoides Desr.	Graham RM 2099 (cited in FTEA)
0 0	(Jussiaea jussiaeoides (Desr.) Brenan)	
	Mida. Herb, woody, to 3 m, leaves linear, sepals 4, petals pan-Tropical.	yellow > 10 mm.
081		
Thymelaeace	ae	
Gnidia latifoli	ia (Oliv.) Gilg.	Graham RM 197
	(Lasiosiphon latifolius (Oliv.) Brenan)	
	Sokoke. Tree, to 5 m, much branched, stems reddish when y	oung, flowers orange in dense
	heads.	
~	Swahilian endemic +.	
Synaptolepis I		s.r. (Thomas, 1988)
	'Arabuko-Sokoke'. Liana, to 2 m, from tuber, with climbin fascicles, white with tube widening near top, fruit orange. Swahilian endemic+.	g hooks, flowers in axillary
083		
Nyctaginacea		
Boerhavia dif		s.r. (Mutangah & Mwaura, 1992)
	'Arabuko-Sokoke'. Herb, creeping, flowers pink, fruit stick Pan-Tropical.	xy.

Boerhavia ere	<i>ecta</i> L. s.r. 'Arabuko-Sokoke'. Herb, erect to 1 m, stems branch mainly from Pan-Tropical.	(Mutangah & Mwaura, 1992) a base, flowers pink/white.
085		
Dilleniaceae		
Tetracera lito	ralis Gilg	Tweedie 2383
	Kaembeni–Dida. Climber/liana, to 8 m, young branches reddish b under, flowers white. Swahilian endemic.	prown, leaves not woolly
101		
Passifloracea	e	
Adenia cissan	<i>mpeloides</i> (Planch. ex Hook.) Harms 'Arabuko-Sokoke'. Climber/liana, to 10 m, flowers green, leaves	Moggridge GM 386 semi-succulent.
4 1 . 1.1.	Pan-Tropical.	
Adenia kirkii		WRQ & Robertson SA 2557
	Arabuko. Climber liana, to 2 m, leaves digitately compound, base	e glands two.
Cohlo chtorin a	Swahilian endemic+.	Samaai CW EA 15724
Schlechterina	mitostemmatoides Harms	Sangai GW EA15724
	Jilore. Climber/liana, to 3 m, leaves dimorphic, flowers white. Swahilian endemic.	
103	Swannan endenne.	
Cucurbitacea		
		WRQ & Robertson SA 2622
Coccinia grai	Forest Reserve south boundary. Climber/liana, to 8 m, leaves dig fruit green striped white turning to red. Pan-Tropical.	-
Coccinia trila	<i>ibata</i> (Cogn.) C.Jeffrey	Simpson BL 383
	'Arabuko-Sokoke'. Creeper, to 4 m, fruit bright red with green m Swahilian endemic+.	-
Momordica b	oivinii Baill.	Simpson BL 338
	A-S <i>Brachystegia</i> woodland. Climber/liana, to 2 m, flowers orang Pan-African.	ge, fruit yellow.
Momordica ti	<i>ifoliolata</i> Hook.f.	Spjut RW 3933
	Jilore/Sabaki scarp. Climber/liana, flowers yellow, fruit scarlet. Swahilian endemic+.	
Zehneria pall	<i>idinervia</i> (Harms) C.Jeffrey	Rawlins S 748
	Jilore. Climber/liana, to 2 m, leaves triangular fleshy with white stems. Swahilian endemic+.	nerves, flowers white on long
114		
Ochnaceae		
Ochna atropi	urpurea DC.	Langridge WP 37
1	(Ochna mossambicensis Klotzsch)	
	'Arabuko-Sokoke'. Shrub, to 2 m, leaves small-toothed, with cun black. Swahilian endemic.	eate base, calyx red, carpels
Ochna holtzii	Gilg s	.r. (Robertson & Luke, 1993)
	'Arabuko -Sokoke'. Shrub, in understory, leaves on one plane, lo (cuneate) base, sepals pinkish. Swahilian endemic+.	
Ochna thoma	siana Engl. & Gilg	Greenway PJ 10445
	Arabuko. Shrub, to 2 m, leaves leathery, long-spinulose especiall Swahilian endemic.	•

Eugenia cape	nsis (Eckl. & Zeyh.) Harv.	s.r. (Robertson & Luke, 1993)
	subsp. multiflora Verdc.	
	'Arabuko-Sokoke'. Shrub, to 2 m (?), leaves elliptic, broad below, male flowers white, hairy. Swahilian endemic.	der than 2 cm, pubescent on midrib
120		
Melastomata	ceae	
Antherotoma	debilis (Sond.) JacqFél.	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Herb, perennial, to 1 m, with multiple pink/mauve. Pan-African.	stems pinkish hairy, flowers
Memecylon fr	agrans A.Fern. & R.Fern.	Perdue RE & Kibua SP 10010
2 0	Jilore. Shrub, to 1.5 m, leaves stiff, veins invisible, infl. m Kenya coastal endemic. Vulnerable.	
Warneckea m	elindensis (A.Fern. & R.Fern.) R.D.Stone & Q.Luke	Graham RM K2162
	Arabuko. Shrub, or small tree, flowers white/mauve.	
	Kenya Coastal endemic. Endangered.	
Warneckea m	ouririfolia (Brenan) Borhidi	Graham RM 1527
	Arabuko. Shrub, to 1.5 m, leaf base subcordate, veins visi Swahilian endemic. Vulnerable.	
Warneckea sa	unsibarica (Taub.) JacqFél.	Robertson SA & Luke WRQ 4620
	Dida-Kararacha track. Tree, to10 m, leaf base cuneate, vei ? Swahilian endemic+.	_
121		
Combretacea	16	
	<i>piculatum</i> Sond.	Robertson SA & Luke WRQ 4629
	subsp. apiculatum	
	Forest Reserve NW boundary. Tree, to 8 m, leaves and fru red, 4 - winged.	uit present from ground up, fruit
	Pan-African.	
Combretum fo	alcatum (Welw. ex Hiern) Jongkind	Robertson SA 3715
	(Quisqualis littorea (Engl.) Exell)	
	'Arabuko-Sokoke'. Shrub, scrambling, young branchlets y	ellowish nubescent netioles
	persisting as blunt spine, flowers greenish, fruit 5 - winged	
Combretum h	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African.	1.
Combretum h	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. omalioides Hutch. & Dalziel	1. Luke WRQ 1937
Combretum h	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i	1. Luke WRQ 1937
	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i Pan-African.	1. Luke WRQ 1937 in terminal fascicles.
Combretum h Combretum il	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i Pan-African. <i>llairii</i> Engl.	d. Luke WRQ 1937 in terminal fascicles. Dale IR 1048
	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i Pan-African. <i>lairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluster	d. Luke WRQ 1937 in terminal fascicles. Dale IR 1048
Combretum il	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i Pan-African. <i>llairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluste Swahilian endemic.	d. Luke WRQ 1937 in terminal fascicles. Dale IR 1048 ers, brown when ripe.
Combretum il	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers i Pan-African. <i>Vairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluster Swahilian endemic. <i>chumannii</i> Engl. 'Arabuko-Sokoke'. Tree, or shrub to 15 m, bark flaking on yellow, fruit 4-winged 3.5 cm.	1. Luke WRQ 1937 in terminal fascicles. Dale IR 1048 ers, brown when ripe. Ndakala J 339
Combretum il Combretum se	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers is Pan-African. <i>Vairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluster Swahilian endemic. <i>chumannii</i> Engl. 'Arabuko-Sokoke'. Tree, or shrub to 15 m, bark flaking on yellow, fruit 4-winged 3.5 cm. Pan-African.	I. Luke WRQ 1937 in terminal fascicles. Dale IR 1048 ers, brown when ripe. Ndakala J 339 r peeling, leaves opposite, flowers
Combretum il Combretum se	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers in Pan-African. <i>llairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluster Swahilian endemic. <i>chumannii</i> Engl. 'Arabuko-Sokoke'. Tree, or shrub to 15 m, bark flaking on yellow, fruit 4-winged 3.5 cm. Pan-African. <i>acemosa</i> Willd.	1. Luke WRQ 1937 in terminal fascicles. Dale IR 1048 ers, brown when ripe. Ndakala J 339
Combretum il Combretum se	persisting as blunt spine, flowers greenish, fruit 5 - winged Pan-African. <i>omalioides</i> Hutch. & Dalziel Forest Reserve south-west corner. Shrub, to 4 m, flowers is Pan-African. <i>Vairii</i> Engl. Arabuko. Liana, to 5 m, or shrub, fruit 4 - angled in cluster Swahilian endemic. <i>chumannii</i> Engl. 'Arabuko-Sokoke'. Tree, or shrub to 15 m, bark flaking on yellow, fruit 4-winged 3.5 cm. Pan-African.	I. Luke WRQ 1937 in terminal fascicles. Dale IR 1048 ers, brown when ripe. Ndakala J 339 r peeling, leaves opposite, flowers Polhill R & Paulo S 899

Pteleopsis tetr	raptera Wickens	Robertson SA & Luke WRQ 4625A
	'Arabuko-Sokoke'. Tree, or shrub to 12 m, leaves dark g	reen, flowers white or cream, fruit
	usually 4-winged.	
Touringlight	Swahilian endemic.	anald 06 in ED 2406 (sited in ETEA)
Terminalia bo		onald 96 in FD 2496 (cited in FTEA)
	Mida. Shrub or small tree, to 5 m, leaves on short shoots, ellipsoid, unwinged.	, inforescence of fateral spikes, fruit
	Swahilian endemic+.	
Terminalia sa	ambesiaca Engl. & Diels	Gardner TAM 15/12/2/176
	Kararacha. Tree, to 25 m, bark light grey, branches sprea	
	fruit to 9 cm.	
	Swahilian endemic+.	
Terminalia sp	pinosa Engl.	Greenway PJ 10838
	Mida. Tree, to 20 m, bark heavily fissured, leaves tufted, Swahilian endemic+.	spines present, fruit reddish, 3 cm.
122		
Rhizophorac		
Bruguiera gyn	mnorhiza (L.) Savigny	Kuchar P 903
	Mida Creek intertidal zone. Tree, to 10 m, leaves at end of Pan-Tropical.	of branches, flowers white or red.
Cassipourea e	euryoides Alston	Gillet JB & Kibuwa SP 20019
-	Mida-Jilore track. Tree, to 15 m, branches low, leaves sli	ghtly toothed, flowers greenish, fruit
	velvety. Swahilian endemic.	
Rhizophora m	nucronata Lam.	s.r. (Robertson & Luke, 1993
	Mida Creek. Tree, to 10 m, in intertidal zone (mangrove)	with stilt roots, seeds viviparous.
	Pan-Tropical.	
126		
Clusiaceae		
Garcinia livin	ngstonei T.Anderson	Jeffery GW K328
	Sokoke. Tree, to 10 m, leaves leathery, in whorls of three	e, flowers axillary, greenish.
	Pan-African.	
Hypericaceae	e	
Vismia oriente		Graham RM 1514
	'Arabuko-Sokoke'. Shrub, or small tree, to 7 m, leaves w	ith black glands, deciduous, fruit
	white with pink markings. Swahilian endemic.	
128-132		
Malvaceae		
Abutilon mau	uritianum (Jacq.) Medik.	s.r. (Robertson & Luke, 1993)
	subsp. zanzibaricum (Mast.) Verdc.	
	'Arabuko-Sokoke'. Herb, woody, to 1.2 m, flowers yellow	w, fruits black.
	Swahilian endemic+.	
Adansonia dig	-	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Tree, to 20 m with massive succulent velvety greenish-brown capsule up to 20 cm.	trunk and sparse crown, fruit a
	Pan-African.	
Carpodiptera	africana Mast.	Graham RM 1929
	Arabuko. Tree, to 12 m, or shrub, fruit ellipsoid with 2 p Swahilian endemic.	airs of wings.
Cola minor B	Brenan	Robertson SA & Luke WRQ 4621
	Nature Reserve. Tree, to 7 m, leaves dark green, fruit fer Swahilian endemic. Near threatened.	ruginous, hairy.

Gossypioides kirkii (Mast.) J.B.Hutch. Jilore. Shrub, scandent, to 3 m, flowers yellow, seeds Swahilian endemic.	Perdue RE & Kibuwa SP 10039 embedded in woolly light brown floss.
Grewia capitellata Bojer	Greenway PJ 10842
(<i>G. ectasicarpa</i> S.Moore.) 'Arabuko-Sokoke'. Shrub, climbing, or liana to 3 m, 1 white: sepals 15 mm and petals 6 mm. Swahilian endemic.	-
Grewia forbesii Harv. ex Mast.	Robertson SA 6971
Gede Forest Station. Shrub, or liana, to 3 m, stem stroyellow: sepals 20 mm and petals 12 mm. Swahilian endemic+.	
Grewia holstii Burret	s.r. (Thomas, 1988)
'Arabuko-Sokoke'. Small tree, or climber, to 3 m, old scabrous, flowers yellow with sepals 10 mm and petals Swahilian endemic.	•
Grewia plagiophylla K.Schum.	Simpson BL 200A
'Arabuko-Sokoke'. Shrub, or tree, to 7 m, leaves disc mm and petals 6 mm. Swahilian endemic.	olorous, flowers yellow with sepals 9
Grewia stuhlmannii K.Schum.	Luke WRQ & Robertson SA 2582
Mida. Shrub, climbing, to 9 m, leaves glossy above, f petals 11 mm. Swahilian endemic.	flowers white with sepals 21 mm and
Grewia triflora (Bojer) Walp.	Greenway PJ EAH12518
(<i>G. vaughanii</i> Exell) 'Arabuko-Sokoke'. Shrub, or tree, leaves bright green Swahilian endemic.	a, shiny, fruit unilobed.
Grewia truncata Mast.	Kimeu JM et al. KEFRI683
Gede Forest Station. Shrub, or tree, leaf apex truncate	e, fruit four-lobed.
Swahilian endemic.	
Hermannia exappendiculata (Mast.) K.Schum.	Simpson BL 169
Nature Reserve. Herb, woody, to 1 m, flowers bright Swahilian endemic+.	yellow.
Hibiscus cannabinus L.	Perdue RE & Kibuwa SP 10107
Jilore (?). Herb, to 2 m, single stemmed, prickly, flow	vers with purple centre.
Pan-Tropical.	
Hibiscus faulknerae Vollesen	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Herb, woody, to 2 m, stems angul Swahilian endemic.	
Hibiscus micranthus L.f.	Beentje H 2326
Jilore track. Herb, to 1.2 m, flowers white turning pin Pan-Tropical	nk, seeds black.
Hibiscus panduriformis Burm.f.	Simpson BL 309
'Lake' Jilore. Herb, erect to 2 m, flowers yellow with	dark centre.
Pan-Tropical.	
Melhania velutina Forssk.	Polhill R & Paulo S 874
Jilore. Herb, to 1 m, leaves ovate, tomentose, to 13 cr cymes, pale yellow. Pan-Tropical.	m, flowers solitary or in few-flowered
Melochia corchorifolia L.	s.r. (Thomas, 1988)
'Arabuko-Sokoke'. Herb, upright to 1 m, flowers pink Pan-Tropical.	

Nesogordonia	holtzii (Engl.) Capuron ex L.C.Barnett & Dorr	Robertson SA & Luke WRQ 4615
	Forest Reserve south boundary. Tree, to 10 m, branches high	up, fruit capsule woody, bell-shaped.
	Swahilian endemic.	
-	calyx (Sond.) Ulbr.	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Herb, woody, to 40 cm, leaves slightly lobe Swahilian endemic+.	d, stellate hairy below, flowers white.
Rhodognaphal	on schumannianum A.Robyns	Perdue RE & Kibuwa SP 10122
• •	(Bombax rhodognaphalon K.Schum.)	
	Jilore. Tree, to 25 m, bark smooth yellow-green, seed floss	light brown.
	Swahilian endemic+.	6
Sida cordifolia		Simpson BL 243
v	'Arabuko-Sokoke'. Herb, woody, to 60 cm, flowers solitar	
	Pan-Tropical.	
Thespesia dan	is Oliv.	Perdue RE & Kibuwa SP 10078
	Mida. Shrub, or tree, to 2 m, leaves slightly fleshy, flowers yell	ow with exocalyx, fruit indehiscent.
	Swahilian endemic+.	
Triumfetta rho	mboidea Jacq.	s.r. (Thomas, 1988)
	'Arabuko-Sokoke'. Herb, woody, erect, to 1 m, flowers yellow Pan-Tropical.	w, fruit covered with hooked spines.
Waltheria indi	-	Dorduo DE & Vibuuto SD 10026
		Perdue RE & Kibuwa SP 10036
	Jilore. Herb, woody, to 1 m, leaves crenate, hairy, flowers Pan-Tropical.	yenow.
133	Tan-Hopkai.	
155 Malphigaceae		
		Sangai GW 19/2/72
-	zanzibaricus A.Juss.	Sangai GW 18/3/73
	Jilore (?). Shrub, sometimes climbing, to 4 m, infl. in term a samara.	mai racemes, nowers yenow, nuit
	Swahilian endemic.	
Triaspis mozai		Jeffery 1
-	Sokoke. Climber, to 3 m, infl. terminal or axillary, bracts l	-
	green.	incar/ianceolate, nowers yenowish
	Swahilian endemic+.	
135		
Erythroxylac	994	
		Beentie H 2311
5 5	<i>emarginatum</i> Thonn. Nature Reserve. Shrub, to 3 m, in understory, branchlets fl	je s
	<7 mm, fruit red.	
	Pan-African.	
	m kaessneri Engl.	s.r. (Robertson & Luke, 1993)
	'Arabuko-Sokoke'. Shrub, or small tree, to 6 m, leaves disc cylindric.	colorous, petals white, fruits
	Swahilian endemic.	
Linaceae		
Hugonia casta	neifolia Engl.	Graham RM 2293
	Arabuko. Shrub, scandent or liana, to 3 m, younger stems v climbing hooks curled in a spiral, stipules thread-like, flow Swahilian endemic.	
136	S mannan ondonno.	
Euphorbiacea	16	
Acalypha fruti		Polhill R & Paulo S 868
	var. fruticosa	
	'Arabuko-Sokoke'. Shrub, to 1.2 m, leaves with resinous subelow male in infl.	mell when crushed, female flowers
	Pan-Tropical.	

Acalypha nep	tunica Müll.Arg.	Kabuye	C, Gilbert VC & Robertson SA 84/32
	var. <i>neptunica</i>		
	Nature Reserve. Shrub, to 1.	2 m, leaves glabrous, female	e flowers below male in
	inflorescence. Pan-African.		
Croton pseud	opulchellus Pax		Robertson SA 3864
*	'Arabuko Sokoke'. Tree, to 2	2 m, leaves silvery below and	d dotted with glands.
	Pan-African.	•	e
Dalechampia	scandens L.		s.r. (Robertson & Luke, 1993)
I III		to 3 m, leaves three lobed, u	intoothed, infl. enclosed in 2 bracts.
	Pan-Tropical.	, , , , , , , , , , , , , , , , , , ,	,
Dalechampia	trifoliata Peter ex Verdc. & C	freenway	s.r. (Robertson & Luke, 1993)
	'Arabuko- Sokoke'. Creeper,	•	(
	Swahilian endemic+.		
Ervthrococca	kirkii (Müll.Arg.) Prain		Graham RM 1911
Li yili ococca	Arabuko. Shrub, to 1.5 m, so	andent flowers mauve in c	
	Swahilian endemic+.	andent, nowers mauve, me	105(015).
Eunhorhia in	gens E.May ex Boiss.		s.r. (Robertson & Luke, 1993)
Euphorbia in		maux av Kotschu)	s.i. (Robertson & Luke, 1995)
	(Euphorbia candelabrum Tré	-	ranchas almost areast youally 4
		12 m, succurent and spiny, b.	ranches almost erect, usually 4-
	angled. Pan-African.		
Euphorbia ny			an (Debertson & Luke 1002)
		ton	s.r. (Robertson & Luke, 1993)
	var. <i>neovolkensii</i> (Pax) S.Can		m 4 analod buomahas annood from
	low down, flowers red.	s m, succurent and spiny, ste	em 4-angled, branches spread from
	Swahilian endemic.		
Eunhorhia na	<i>preskiifolia</i> Baill.	Dobertsc	on SA, Luke WRQ & Awimbo J 5249
Euphoroia pe	0		JII SA, LUKE WKQ & AWIII00 J 5249
	(Synadenium pereskiifolium (alad balow
	Nature Reserve. Shrub, to 4 Swahilian endemic.	in, succurent, lear infurio kee	eled below.
T - 4 1			Circurate DI 250
Jatropha pru	0		Simpson BL 350
	A-S <i>Brachystegia</i> forest. Her	b, to /5 cm, infl. terminal, f	ruit three lobed and green.
T , 1 .	Swahilian endemic+.		
Jatropha spic			Kimeu JM KEFRI461
		cculent, sap clear to milky, i	flowers yellow or reddish - green.
	Pan-African.		
Mallotus opp	ositifolius (Geiseler) Müll.Arg		Jeffery GW K366
	var. oppositifolius		
	Sokoke. Shrub, to 2 m, or tro	ee, leaves to 16 cm, flowers	cream green.
	Pan-Tropical.		
Micrococca n	nercurialis (L.) Benth.		Luke WRQ 3024
		s often purple tinged, flowers	s greenish-yellow, fruits bristly,
	three-lobed.		
	Pan-Tropical.		
Mildbraedia	sp. A of FTEA.		Moggridge GM 398
	Sokoke. Shrub.		
	Kenya coast endemic.		
Oldfieldia son	malensis (Chiov.) Milne-Redh		Spjut RW 3903
	Jilore Forest Station. Tree, to		aves digitate, fruit yellow.
	Swahilian endemic. Near three		
Suregada zan	zibariensis Baill.		C, Gilbert VC, & Robertson SA 84/24
	Nature Reserve. Tree or shru	b, to 3 m, shiny leaves appe	aring glandular.
	Pan-tropical.		

Phyllanthaceae

Antidesma ver	nosum E.Mey. ex Tul.	Greenway PJ 10843
	'Arabuko Sokoke'. Shrub, or small tree, to 4 m, lea	aves glabrescent to densely hairy, flowers
	yellow-green, in hanging spikes, fruit red to black.	
	Pan-African.	
Bridelia catha	urtica G.Bertol.	Nash LT 20
	subsp. cathartica forma fischeri (Pax) RadclSm.	
	Gede. Shrub, to 2 m, branches zig-zag, leaves shiny green, sessile at nodes in dense heads.	y above, on one plane, flowers cream-
	Pan-African.	
Flueggea viro	sa (Roxb. ex Willd.) Voigt	Donald GH 83
	Mida. Shrub, to 2 m, in understory, flowers yellow	-green or cream, fruit white.
	Pan-Tropical.	
Margaritaria	discoidea (Baill.) G.L.Webster	s.r. (Robertson & Luke, 1993)
	var. discoidea	
	'Arabuko-Sokoke'. Shrub, or small tree, to 8 m, flo Pan-African.	owers green or pale yellow, fruit 3 - lobed.
Meineckia fru	ticans (Pax.) G.L.Webster	Luke WRQ 1942
· ·	var. fruticans	
	Dida/Sokoke Nyari. Shrub, to 1.5 m, flowers green	hish-white in fascicles, fruit to 5 mm
	across, hanging on thin pedicels.	
	Swahilian endemic.	
Phyllanthus g		Jeffery GM K566
	Dida. Shrub, spreading, flowers yellowish-green, a	ppearing before new leaves, dioecious.
	Pan-African.	
Phyllanthus ke	aessneri Hutch.	Robertson SA 3712
	'Arabuko-Sokoke'. Shrub, to 1.5 m, pseudo-pinnate	e branches to 3 cm.
	Swahilian endemic. Vulnerable.	
Phyllanthus le	eucocalyx Hutch.	Luke WRQ & Robertson SA 2591
	Mida. Herb, woody, to 50 cm, pseudo-pinnate bran	nches to 11 cm.
	Pan-African.	
Phyllanthus p	innatus (Wight) G.L.Webster	Simpson BL 328
	A-S Afzelia forest. Shrub, to 3 m, flowers yellow-g	reen in dense fascicles on older twigs.
	Pan-Tropical.	
Phyllanthus re	eticulatus Poir.	Graham RM FD3/30
	var. glaber (Thwaites) Müll.Arg.	
	Gede. Shrub, 3-4 m, flowering shoots hairless.	
	Pan-Tropical.	
Phyllanthus re	eticulatus Poir.	Donald GH 2489
	var. reticulatus	
	Arabuko. Shrub, 3-4 m, pseudo-pinnate branches >	> 12 cm, flowering shoots with short
	velvety hairs.	
	Pan-Tropical.	Charles C. Cilliant VC 9. Dehenteen CA 94/C
Phylianthus w	•	Cabuye C, Gilbert VC & Robertson SA 84/6
	var. <i>beillei</i> (Hutch.) RadclSm.	a woody root stock looves also ecour or
	Nature Reserve. Shrub, to 1.5 m, multi-stems from stem, monomorphic.	a woody foot stock, leaves also occur on
	Pan-Tropical.	
Thecacoris sn	athulifolia (Pax) Leandri	Faden RB & AJ 74/1222
inclucins sp	(<i>Cyathogyne bussei</i> Pax)	
	Mida. Herb, woody, to 2 m, leaves crowded at ape	x of branches
	Swahilian endemic+.	

Picrodendraceae

Dida. Shrub, or small tree to 10 m, petiole with 2 stipular 'horns', flowers yellow, in fasicles, on old wood. Swahilian endemic. Near threatened. Putranjivaceae Drypetes natalensis (Harv.) Hutch. Greenway PJ 10447 var. leiogyna Brenan Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes partifolia (Mill Arg.) Pax & K. Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kaaracha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes partifolia (Mill Arg.) Pax & K. Hoffm. Drypetes partifolia (Mull Arg.) Pax & K. Hoffm. Drypetes streitculata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes submiculata Pax Robertson SA 4659 Nature Reserve. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers cauliflorous, fruits glabrous. Swahilian endemic. Vulnerable. 144 Dichapetalaneeae Dichapetalaum fidentii Bretcler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Lendemic. Dichapetalum madagaxeuriense Poir. 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalue madagaxeuriense Poir. 'Arabuko-Sokoke'. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-Arican. Least concern. 146-148 Leguminosae (Fabaceae) Acacia adenocaly Brenat & Exell Musyoki BM & Hansen OJ 1039 Jilore Forest Station. Shrub spreading, or elimber/liana, to 4 m, hooked spines scattered on internode, flowers in a white head. Swahilian endemic. Acacia nibotica (L.) Will. ex Delle Perdue RE & Kibuwa SP 10144 Jilor. Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia obusta Burch.	Aristogeitonia	a monophylla Airy Shaw	Luke WRQ & Robertson SA 76
Swahilian endemic. Near threatened. Putranjivaceae Drypetes natalensis (Harv.) Hutch. Greenway PJ 10447 var. leiogyna Brenan Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae Radel.–Sm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers cauliflorous, fruits glabrous. Swahilian endemic. Vulnerable. 144 Dichapetalaceae Dichapetalaceae Dichapetalam fadenii Breteler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalum madagascariense 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals >3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalum zakerei Engl. Sokoke: Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146–148 Leguminosae (Pabaceae) Acacia adenocaly Breenan & Excell Musyoki BM & Hansen OJ 1039 Jiore Forest Station. Shrub spreading, or climber/ilian, to 4 m, hooked spines scattered on internode, flowers is a white head. Swahilian endemic. Acacia nilotica (L.) Willd. ex Delile Perdue RE & Kibuwa SP 10144 Jiore. Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia adenocaly Breenan & Excell Musyoki BM & Hansen OJ 1039 Jiore Forest Station. Shrub spreading, or climber/ilian, to 4 m, hooked spines scattered on internode, flowers in a white head. Swahilian endemic +. Afzelia quanzensis (Taub.) Brenan Mida. Tre		Dida. Shrub, or small tree to 10 m, petiole with 2	stipular 'horns', flowers yellow, in fasicles,
Putranjivaceae Greenway PJ 10447 Drypetes natalensis (Harv.) Hutch. Greenway PJ 10447 Var. leiogyna Brenan Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endernic. Drypetes parvifidie (Mill. Arg.) Pax & K. Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulate Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadclSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers calliflorous, fruits glabrous. Swahilian endemic +. Dida/Sokoke Nyari. Tree, to 20 m, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endernic. Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endernic. Langridge WP 132 Var. madagascariense Poir. Langridge WP 132 Var. madagascariense Poir. Langridge WP 132 <			
Drypetes natalensis (Harv.) Hutch. Greenway PJ 10447 var. leiogyna Brenan Arabuko. Tree, to 10 m, flowers eream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes parvijolia (Mill.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadclSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers califforous, fruits glabrous. Swahilian endemic +. Dida/Sokoke Nyari. Tree, to 20 m, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Langridge WP 132 var. madagascariense Poir. Langridge WP 132 var. madagascariense 'Arabuko-Sokoke'. Shrub, or 2 m, or liana, much branched, leaf veins hairy, ovary with short hairs, fruit orange.		Swahilian endemic. Near threatened.	
Drypetes natalensis (Harv.) Hutch. Greenway PJ 10447 var. lelogyna Brenan Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes parvijolia (Mill.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadclSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers calilforous, fruits glabrous. Swahilian endemic +. Dida/Sokoke Nyari. Tree, to 20 m, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Langridge WP 132 Var. madagascariense Poir. Langridge WP 132 var. madagascariense 'Arabuko-Sokoke'. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with short hairs, fruit orange.	Putraniivace	222	
var. leiogyna Brenan Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrinaæ RadelSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers cauliflorous, fruits glabrous. Swahilian endemic - Vulnerable. 144 Dichapetalaceae Dichapetalam fadenii Breteler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalaum madagascariense 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalaum zenkeri Engl. Greenway PJ 9812 Sokoke. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146-148 Leguninosae (Fabaceae) Acacia adenocalys Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Forest Station. Shrub spreading, or climber/liana, to 4 m, hooked spines scattered on internode, flowers in a white head. Swahilian endemic. Acacia anenocalys Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia anenocalys Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia anenocalys Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia anonosita Burch. Great markina endemic +. Afzelia quanzensis Welw. Kimeu JM et al. KEFRI 52			Greenway PI 10447
Arabuko. Tree, to 10 m, flowers cream-coloured, densely clustered on knobs on stem, fruit orange. Swahilian endemic. Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadelSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers califlorous, fruits glabrous. Swahilian endemic. Luke WRQ 4 Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kerya Coast Endemic. Dichapetalum madagascariense 'Arabuko-Sokoke'. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalaum zenkeri Engl. Greenway PJ 9812 Sokoke. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146–148 Leeguminosae (Fabaceae) Acacia adenocalyx Brenan & Exell Musyoki BM & Hansen OJ 1039	Drypeies hait		Greenway 15 10++7
orange. Swahilian endemic. Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Uuke WRQ 1944 Var. mrimae RadelSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers califlorous, fruits glabrous. Swahilian endemic. Vulnerable. 144 Dichapetalaceae Dichapetalum fademi Breteler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalum fademic. Dichapetalum gaagacariense Poir. Langridge WP 132 var. madagascariense Poir. Langridge WP 132 var. madagascariense Poir. Langridge WP 132 var. madagascariense Poir. Langridge WP 132 var. madagascariense Poir. Langridge WP 132 var. madagascariense 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalum zenkeri Engl. Greenway PJ 9812 Sokoke. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146-148 Legunihose (Fabaceae) Acacia adenocalys Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Forest Station. Shrub spreading, or climber/liana, to 4 m, hooked spines scattered on internode, flowers in a white head. Swahilian endemic. Acacia robusta Burch. Graham RM 2063 Subsp. usambarensis (Taub.) Brenan Mida. Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia robusta Burch. Graham RM 2063 Swahilian endemic +. Afzelia quanzensis Welw. Kimeu JM et al. KEFRI 528 Gede Forest Station. Tree, to 20 m, flower with single petal pink/red, biobed at apex, pods 20			densely clustered on knobs on stem fruit
Swahilian endemic. Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadelSm. Luke WRQ 1944 var. mrimae RadelSm. Luke WRQ & Robertson SA 2612 Bichapetalaceae Dichapetalaceae Dichapetalaceae Dichapetalaceae Dichapetalaceae Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalum madagascariense Poir. Langridge WP 132 var. madagascariense Poir. 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalum madengascariense 'Arabuko-Sokoke'. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146–148 Leeguminosae (Fabaceae) Acacia a			densery elustered on knobs on stem, nut
Drypetes parvifolia (Müll.Arg.) Pax & K.Hoffm. Robertson SA, Luke WRQ & Awimbo J 5253 Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Drypetes usambarica (Pax) Hutch. Luke WRQ 1944 var. mrimae RadelSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers cauliflorous, fruits glabrous. Swahilian endemic. Vulnerable. 144 Dichapetalaceae Dichapetalum fademii Breteler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalum madagascariense 'Arabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Dichapetalum zenkeri Engl. Greenway PJ 9812 Sokoke. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146-148 Leguminosae (Fabaceae) Acacia adenoca/xy Brenan & Exell Musyoki BM & Hansen OJ 1039 Jilore Forest Station. Shrub spreading, or climber/liana, to 4 m, hooked spines scattered on internode, flowers in a white head. Swahilian endemic. Acacia robusta Burch. Graham RM 2063 subsp. usambarensis (Taub.) Brenan Mida. Tree, to 10 m, spines straight, flowers yellow, globose. Pan-Tropical. Acacia robusta Burch. Graham RM 2063 subsp. usambarensis (Taub.) Brenan Mida. Tree, to 15 m, bark smooth grey, spines straight, paired, flowers creamy white, globose. Swahilian endemic +. Afzelia quanzensis Welw. Kineu JM et al. KEFRI 528 Gede Forest Station. Tree, to 20 m, flower with single petal pink/red, bilobed at apex, pods 20		-	
Kararacha-Sokoke boundary. Tree, to 5 m, branches horizontally spreading, leaves asymmetric, flowers beneath leaves. Swahilian endemic +. Drypetes reticulata Pax Robertson SA 4659 Nature Reserve. Tree, to 10 m, leaves shiny, symmetric, flowers axillary, fruits green turning yellow. Swahilian endemic +. Luke WRQ 1944 var. mrimae RadclSm. Luke WRQ 1944 var. mrimae RadclSm. Dida/Sokoke Nyari. Tree, to 20 m, branches horizontally spreading, leaves serrate, flowers cauliflorous, fruits glabrous. Swahilian endemic. Vulnerable. 144 Dichapetalaceae Dichapetalaceae Dichapetalum fadenii Breteler Luke WRQ & Robertson SA 2612 Big Nyari. Shrub, scandent, or liana, branches brown to black, with lenticels, leaves densely short-hairy, flowers white, young fruit tomentose. Kenya Coast Endemic. Dichapetalum madagascariense Poir. Langridge WP 132 var. madagascariense Yarabuko-Sokoke'. Shrub, or climber, to 3 m, sepals > 3 mm, ovary with short hairs, fruit orange. Pan-Tropical. Greenway PJ 9812 Sokoke. Shrub, to 2 m, or liana, much branched, leaf veins hairy, ovary with long woolly hairs. Pan-African. Least concern. 146–148 Leguminosae (Fabaceae) Acacia adenocalyx Brenan & Exell Musyoki BM & Hansen OJ 1039 Jlore Forest Station. Shrub spreadin	Drypetes par	<i>vifolia</i> (Müll.Arg.) Pax & K.Hoffm.	Robertson SA, Luke WRO & Awimbo J 5253
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		Pan-African.	

 Filore. Tree, to 10 m, leaf rachis hooked at end, leaves with 2-4 pinnae, leaflets to 4 cm. Pan-African. Brachystegia spiciformis Benth. Trump EC 115 'Arabuko-Sokoke'. Tree, to 20 m, leaves flush pink/red with rains, flowers yellow/green, fragmant, in racemes. Pan-African. Caesalpinia bonduc (L.) Roxb. Kuchar P 9995 Mdu Creek. Shrub to 2 m, or liana, prickles short and densely set, petals yellow. Pan-Tropical. Canavalia rosea (Sw.) DC. s.r. (Robertson & Luke 1993) 'Arabuko-Sokoke'. Creeper, to 10 m, on sand dunes, leaflets round, flowers pink/purple. Pan-Tropical. Cassia abbreviata Oliv. s.r. (Thomas, 1988) 'Arabuko-Sokoke'. Tree, to 10 m, leaves arranged spirally, flowers yellow, pods to 90 cm, in Brachystegia woodland. Pan-African. Cassia abbreviata Oliv. s.r. (Robertson & Luke, 1993) 'Arabuko-Sokoke'. Tree, to 10 m, leaves arranged spirally, flowers yellow, pods to 90 cm, in Brachystegia woodland. Pan-African. Chamaecrista abusu (L.) H. S.Irwin & Barneby War. dirofistula 'Arabuko-Sokoke'. Tree, to 10 m, leaflets dark green, infl. > 15 cm, pods to 60 cm. Swahilian endemic. Pan-African. Chamaecrista mimosoides (L.) Greene Chamaecrista mimosoides (L.) Greene Cassia anthesica (Oliv.) Lock. Pan-African. Clitoria tematea L. Pan-African. Clitoria tematea L. Craibia brevicuadata 'Arabuko-Sokoke'. Herb, elembing/trailing, to 2 m, flowers blue/white. Pan-African. Crotalaria gazita Polhill "Arabuko-Sokoke'. Herb, ercet, to 1.5 m. Kenya Coast endemic. Endangered. Crotalaria laburnifolia	Albizia anthelmintica Brongn.	Perdue RE & Kibuwa SP 10094
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Pan-Tropical. S.r. (Robertson & Luke 1993) Canavalia rosee (Sw.) DC. s.r. (Robertson & Luke 1993) Arabuko Sokoke'. Creeper, to 10 m, on sand dunes, leaflets round, flowers pink/purple. Pan-Tropical. s.r. (Thomas, 1988) 'Arabuko-Sokoke'. Tree, to 10 m, leaves arranged spirally, flowers yellow, pods to 90 cm, in Brachystegia woodland. Pan-African. S.r. (Robertson & Luke, 1993) 'Arabuko-Sokoke'. Tree, to 10 m, leaflets dark green, infl. >15 cm, pods to 60 cm. Swahilian endemic. Swahilian endemic. Chamaecrista absus (L.) H.S.Irwin & Barneby Kirika P et al. NMK745 Mida Creek. Herb, sparsely branched, to 1 m, flowers yellow/orange. Pan-Tropical. Chamaecrista absus (L.) Greene Roberston SA & Brunmit R 6756 (Cassia animosoides (L.) Greese Roberston SA & Brunmit R 6756 (Cassia animosoides (L.) Greese Roberston SA & Brunmit R 6756 (Cassia animosoides (L.) South of Nature Reserve. Herb, to 40 cm, flowers yellow, pedicels in fruit < 1 cm.	· · · · ·	
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1	 Chamaecrista zambesica (Oliv.) Lock. Sokoke. Herb, creeping, flowers yellow. Pan-African. Clitoria ternatea L. 'Arabuko-Sokoke'. Herb, climbing/trailing, to 2 m, flowe Pan-Tropical. Craibia brevicaudata (Vatke) Dunn subsp. brevicaudata 'Arabuko Sokoke'. Tree, to 8 m, leaflets tapering at tip, p white, greenish in centre, fragrant. Swahilian endemic. Near threatened. Crotalaria axillaris Aiton Arabuko. Shrub, to 1.5 m, flowers yellow, axillary in sho Pan-African. Crotalaria grata Polhill 'Arabuko-Sokoke'. Herb, erect, to 1.5 m. Kenya Coast endemic. Endangered. Crotalaria laburnifolia L. subsp. laburnifolia Madunguni. Herb, erect, to 2 m, leaves three foliate, flow 	Miller G K232 s.r. (Robertson & Luke, 1993) rs blue/white. Simpson BL 374 etiole with distinct swelling, flowers Graham RM 208 rt racemes or fascicles. Robertson SA 3731 Simpson BL 270
'Arabuko-Sokoke'. Herb, woody, to 1 m, stem ridged, leaves simple, flowers yellow.	 Chamaecrista zambesica (Oliv.) Lock. Sokoke. Herb, creeping, flowers yellow. Pan-African. Clitoria ternatea L. 'Arabuko-Sokoke'. Herb, climbing/trailing, to 2 m, flowe Pan-Tropical. Craibia brevicaudata (Vatke) Dunn subsp. brevicaudata 'Arabuko Sokoke'. Tree, to 8 m, leaflets tapering at tip, p white, greenish in centre, fragrant. Swahilian endemic. Near threatened. Crotalaria axillaris Aiton Arabuko. Shrub, to 1.5 m, flowers yellow, axillary in sho Pan-African. Crotalaria grata Polhill 'Arabuko-Sokoke'. Herb, erect, to 1.5 m. Kenya Coast endemic. Endangered. Crotalaria laburnifolia L. subsp. laburnifolia Madunguni. Herb, erect, to 2 m, leaves three foliate, flow Pan-Tropical. 	Miller G K232 s.r. (Robertson & Luke, 1993) rs blue/white. Simpson BL 374 etiole with distinct swelling, flowers Graham RM 208 rt racemes or fascicles. Robertson SA 3731 Simpson BL 270 vers yellow.
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Crotalaria vasculosa Wall ex Benth.	Robertson SA & Luke WRQ 2596
Mida/Arabuko. Herb, bushy.	
Pan-African.	
Cynometra suaheliensis (Taub.) Baker f.	Robertson SA, Vollesen K & Mwachala G 6743
Kararacha pools. Tree, to 10 m, bark smo pod beaked at apex. Swahilian endemic. Vulnerable.	ooth, peeling, leaflets 4, asymmetrical, flowers white,
Cynometra webberi Baker f.	Graham RM 2168
Arabuko. Tree, to 10 m, bark smooth, per	
Swahilian endemic. Vulnerable.	ling, featiers of o.
Dalbergia melanoxylon Guill. & Perr.	s.r. (Robertson & Luke, 1993)
0	ranched, branchlets clustered at nodes, spine-tipped,
leaflets obovate.	unened, statemets elustered at nodes, spine upped,
Pan-Tropical. Near threatened.	
Dalbergia vacciniifolia Vatke	Spjut RW 2625
Jilore. Climber, woody, leaflet apex obtus	10
Swahilian endemic. Vulnerable.	-,,,
Dialium orientale Baker f.	Greenway PJ 10452
	own, branches drooping, flowers apetalous, greenish
white, stamens 2, pods red-brown. Swahilian endemic. Near threatened.	
Dichrostachys cinerea (L.) Wight & Arn.	s.r. (Mutangah & Mwaura, 1992)
	- forming, infl. an axillary spike with yellow flowers
Erythrina sacleuxii Hua	s.r. (Robertson & Luke, 1993)
•	vith corky spine tipped knobs, flowers red with white
wings, pod not constricted. Swahilian endemic. Near threatened.	via corky spine appea knobs, nowers rea with white
Hymenaea verrucosa Gaertn.	Perdue RE & Kibuwa SP 10045
Mida. Tree, to 20 m, flat crowned, evergi Pan-Tropical.	reen, flowers white, pods ovoid, warty.
Indigofera kirkii Oliv.	Luke WRQ 3032
Mida. Herb, woody, prostate or upright to Swahilian endemic.	_
Indigofera longiracemosa Boivin ex Baill.	Kirika P, Nyamongo D & Sanyanyi S 04/12/2008
Gede. Herb, prostrate, to 1 m, pod beaked Swahilian endemic+.	
Indigofera strobilifera (Hochst.) Hochst. ex Baker	Robertson SA 6993
subsp. lanuginosa (Taub. ex Baker.f.) J.B	Gillett
Kararacha. Herb, flowers pink with soft s	
Swahilian endemic+.	
Indigofera tinctoria L.	Simpson BL 307
'Lake' Jilore. Herb, to 2 m, many branche	_
Pan-Tropical.	
Indigofera trita L.f.	Robertson SA, Schrire BD & Stirton CH 2569
Mida. Herb, climbing, to 1.5 m, woody, 1	
Pan-Tropical.	
Indigofera vohemarensis Baill.	Jeffery GW K296
'Arabuko Sokoke'. Herb, to 1 m, flowers Swahilian endemic+.	•

Indigofera wituensis Baker f.	Polhill R & Paulo S 889
var. wituensis	
Mida. Herb, woody, flower standard and wings pink/red. Pan-Tropical.	
Julbernardia magnistipulata (Harms) Troupin	Polhill R 4824
Kararacha. Tree, to 20 m, leaves flush red with rains, stipul Swahilian endemic. Vulnerable.	les leaf-like and persistent, to 5cm.
Lablab purpureus (L.) Sweet	Jeffery GW K260
subsp. uncinatus Verdc.	
Sokoke. Creeper, leaves light green, flowers white.	
Pan-Tropical.	
Mimosa pigra L.	Simpson BL 239
'Arabuko-Sokoke'. Tree, to 5 m, stem ridged, prickles pres	ent, flowers pinkish.
Pan-Tropical (introduced/naturalized).	
Mundulea sericea (Willd.) A.Chev.	Williams JG EAH12535
Sokoke. Shrub, to 3 m, flowers purplish-blue, fruit velvety Pan-Tropical.	often with persistent corolla.
Neptunia oleracea Lour.	Robertson SA & Luke WRQ 2510
Kararacha. Herb, trailing, aquatic, flowers yellow.	_
Pan-Tropical (introduced/naturalized).	
Newtonia paucijuga (Harms) Brenan	Lea JD 3
'Arabuko -Sokoke'. Tree, to 20 m branching high up, leaf p	binnae 2 pairs, leaflets up to 3
pairs, pods dark brown. Swahilian endemic. Near threatened	
Ormocarpum kirkii S.Moore	Simpson BL 367
Dida. Shrub, to 2 m, flowers pinkish/purple, pod coiled in p	persistent corolla.
Pan-African.	
Ormocarpum sennoides (Willd.) DC.	Gisau Sok 23
subsp. zanzibaricum Brenan & J.B.Gillet	
Sokoke. Tree, to 5 m, branches drooping, flowers white, po	ods constricted and bristly.
Swahilian endemic. Vulnerable.	
Paramacrolobium coeruleum (Taub.) J.Léonard Robertson	SA, Luke WRQ & Awimbo J 5255
Kararacha. Tree, to 10 m, trunk straight, with spreading cropale pinkish-grey, flowers blue/purple. Pan-African.	own and drooping branches, bark
Philenoptera bussei (Harms) Schrire	Greenway PJ 10820
(Lonchocarpus bussei Harms)	
Mida Creek. Tree, to 6 m, Uppermost leaflet largest, flower	rs mauve in many-flowered
panicles, appearing before the leaves. Pan-African	
Pseudovigna argentea (Willd.) Verdc.	Graham RM K1906
Arabuko. Herb, trailing, to 2 m, flowers pale pink, pod 3 cr	m hairy.
Pan-African.	-
Rhynchosia congensis Baker	Graham RM 2111
subsp. orientalis Verdc.	
Mida. Herb, trailing, flowers yellow, seeds blue.	
Swahilian endemic+.	
Rhynchosia velutina Wight & Arn.	Simpson BL 147
var. velutina	
'Arabuko Sokoke'. Herb, climbing or trailing, flowers yello Pan-Tropical.	WW.

Senna occidentalis (L.) Link	Graham RM OX329
(Cassia occidentalis L.)	
Mida. Shrub, to 3 m, flowers yellow in racem	es from upper axils.
Pan-Tropical (introduced/naturalized).	
Senna siamea (Lam.) H.S.Irwin & Barneby	Perdue RE & Kibuwa SP 10168
Jilore Forest Station. Tree, to 12 m. Flowers y	vellow.
Pan-Tropical (introduced/naturalized). Least co	oncern.
Sesbania bispinosa (Jacq.) W.Wight.	Graham RM 842
var. bispinosa	
Mida. Shrub, flowers yellow with greyish spot	ts.
Pan-Tropical.	
Stuhlmannia moavi Taub.	Robertson SA & Brummit R 6757
(Caesalpinia insolita (Harms.) Brenan & J.B.	Gillet)
Nature Reserve boundary pools. Tree, to 12 m	
yellow.	
Swahilian endemic+. Vulnerable.	
Stylosanthes fruticosa (Retz.) Alston	Faden RB & AS 74/1220
Sokoke. Herb, erect, to 50 cm, flowers yellow	Ι.
Pan-African.	
Tamarindus indica L.	Perdue RE & Kibuwa SP 10072
Mida-Jilore track. Tree, to 15 m with spreadin	g crown, pod rusty brown, indehiscent, sub-
cylindrical to 14 cm.	
Pan-Tropical.	
Tephrosia noctiflora Bojer ex Baker	Langridge WP 14
Sokoke. Herb, woody, to 1.5 m, flowers white Pan-Tropical.	e with purple blotches, pod to 5 cm upcurved.
Tephrosia pumila (Lam.) Pers.	Greenway PG 10457
var. aldabrensis (J.R.Drumm. & Hemsl.) Brut	•
Mida Creek. Herb, prostrate, seed spacing <4	4 mm.
Pan-Tropical.	
Tephrosia subtriflora Hochst. ex Baker	Brennan JPM, Gillet JB et al. 14680
Mida. Herb, to 1 m, semi-prostrate, flowers p	inkish-purple.
Pan-Tropical.	
Tephrosia villosa (L.) Pers.	Simpson BL 229
subsp. ehrenbergiana (Schweinf.) Brummitt	
'Arabuko Sokoke'. Herb, woody, to 60 cm, fl	owers mauve, pod strongly curved, silvery
hairy.	
Pan-African.	
Vigna membranacea A.Rich.	Polhill R & Paulo S 877
subsp. hapalantha (Harms) Verdc.	
'Arabuko Sokoke'. Herb, climbing/trailing, flo	owers mauve/blue.
Kenya Coast endemic.	
Zornia apiculata Milne-Redh.	Luke WRQ 3022
Mida. Herb, perennial, leaflets 2, flowers yell	ow, pod to 16 mm.
Swahilian endemic+.	
Zornia capensis Pers.	Robertson SA 6096
subsp. <i>tropica</i> Milne-Redh.	
Sokoke. Herb, leaflets 4, broadly lanceolate, p	oods reticulate.
Swahilian endemic+.	
Zornia glochidiata Rchb. ex DC.	Robertson SA, Stirton CH & Schrire BD 6999
Mida Creek. Herb, prostrate, leaves 2-foliate,	
Pan-African.	

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Buxaceae		
Buxus obtusif	folia (Mildbr.) Hutch.	Robertson SA & Luke WRQ 4616
		s yellow, female above male in axillary infl.
	Swahilian endemic. Vulnerable.	
156		
Salicaceae		
Dovyalis hisp	<i>vidula</i> Wild	Robertson SA & Luke WRQ 4607
	Forest Reserve southeast corner. Shrub,	to 2 m, spines 5 cm, leaves hairy, fruit orange,
	dangling.	
	Swahilian endemic.	
Dovyalis keni	iensis E.V.Williams	Donald FD 23(24)
	(Dovyalis sp A of FTEA)	
	Arabuko. Tree, small, spiny, fruit globular	, dark brown, velvety.
	Kenya Coast endemic. Vulnerable.	
Dovyalis mac	crocalyx (Oliv.) Warb.	Sangai GW EA15650
	Kaembeni-Dida. Shrub, to 2 m, spines to 0	6 cm, leaves glabrous, fruit red to orange.
	Pan-African.	
Flacourtia ind	dica (Burm.f.) Merr.	Faden RB & AJ 74/1253
	Gede-Jilore track. Shrub, to 2.5 m, spines	to 12 cm, leaves crenate shiny above, flowers
	yellow-green, fruit red to orange.	
	Pan-Tropical.	
Ludia mauriti	iana J.F.Gmel.	Kabuye C, Gilbert VC & Robertson SA 84/11
	(L. sessiflora Lamb.)	
	Nature Reserve. Tree, to 8 m, evergreen,	eaves with slanting veins, flowers whitish-yellow,
	fruit red.	
	Swahilian endemic.	
(165)		
Cannabacea	e	
Trema oriente	alis (L.) Blume	Musyoki BM & Hansen OJ 8/6/73
	scabrous above, fruit black.	drooping branches, leaves finely toothed, semi
167	Pan-Tropical.	
167 Moraceae		
	debrandtii Engl	an (Depention & Luke 1002)
Dorsienia nui	debrandtii Engl. var. hildebrandtii.	s.r. (Robertson & Luke, 1993)
		and from bulk looves minully amongood flowers on
	star-shaped receptacle.	cm, from bulb, leaves spirally arranged, flowers on
Eigun hubu W	Swahilian endemic+. Near threatened.	an (Deberteen & Lylie 1002
Ficus bubu W		s.r. (Robertson & Luke, 1993
	rounded.	nooth yellow, leaves ca. 20 cm, shiny bright green,
F :	Pan-African.	an (Dahartaan 8 Jalaa 1002)
Ficus lingua	Warb. ex De Wild. & T.Durand	s.r. (Robertson & Luke, 1993)
	subsp. <i>depauperata</i> (Sim) C.C.Berg.	
		piphytic, leaves spirally arranged, fruit axillary in
	pairs. Swahilian endemic.	
Eigus polita V		Maggridge CM 202
Ficus polita V		Moggridge GM 392
	subsp. <i>polita</i>	with tip polyminate bracts parsistant fruit on old
	wood in small clusters. Pan-Tropical.	d with tip acuminate, bracts persistent, fruit on old

Ficus sansibarica Warb.	s.r. (Robertson & Luke, 1993)
subsp. sansibarica	
cauliflorous, fruit green	ee, to 25 m, or strangler, leaves lanceolate, glabrous, flowers n with pink spots.
Swahilian endemic+.	
Ficus tremula Warb.	Robertson SA, Luke WRQ & Awimbo J 5250
subsp. <i>tremula</i> Kararacha. Tree, to 10 in clusters on old wood	m, or strangler, leaf petiole with red mark on apex, fruit spotted white,
Swahilian endemic.	
Ficus usambarensis Warb.	Luke WRQ 1943
-	rub, or small tree, to 5 m, male flowers in 'catkins', fruit 1 cm.
Swahilian endemic+.	
Streblus usambarensis (Engl.) C.C.B	-
Solitary, fruit black. Pan-African.	rub, or small tree, to 5 m, latex cloudy, male flowers in spikes, female
173	
Celastraceae	
Elachyptera parvifolia (Oliv.) N.Hall	é Faden RB & AJ 71/750
	Shrub, scandent, or liane to 4 m, flowers yellow-green, fruit paddle shaped.
Pan-African.	
Elaeodendron schweinfurthianum (Lo	Luke WRQ & Robertson SA 2609
Dida/Sokoke Nyari. Ti	ee, to 4 m, much branched, flowers yellow/green, fruits white.
Swahilian endemic+.	
Gymnosporia gracilis Loes.	Simpson BL 67
subsp. gracilis	
(Maytenus mossambice	nsis (Klotsch) Blakelock var. ambonensis (Loes.) N.Robson)
'Arabuko-Sokoke'. Shi	ub, spiny, stems reddish when young, flowers white.
Swahilian endemic+.	
Loeseneriella africana (Willd.) N.Ha	llé s.r. (Robertson & Luke, 1993)
var. <i>africana</i>	
	na, to 4 m, flowers yellow green, buds conical.
Pan-African.	
Loeseneriella africana (Willd.) N.Ha	-
var. <i>richardiana</i> (Cam	
	er/liana, to 4 m, branchlets green, 4 angled when young.
Pan-African.	
Maytenus undata (Thunb.) Blakelock	Graham RM 173
	n, bark grey/brown, spines absent, leaves crenate/dentate, flowers a 3 lobed capsule, reddish-brown.
Mystroxylon aethiopicum (Thunb.) Lo	bes. Faden RB & AJ 74/1248
	b, to 6 m, extremely variable, spines absent, flowers greenish-yellow,
fruit orange-red. Pan-Tropical.	,
Pleurostylia africana Loes.	Robertson SA, Luke WRQ & Awimbo J 5256
Kararacha. Tree, to 12 axillary, greenish-yello Swahilian endemic+.	m, leaves almost rhomboid, leathery, tinged red when young, flowers w.
Pristimera andongensis (Welw. ex O	liv.) N.Hallé s.r. (Robertson & Luke, 1993)
var. volkensii (Loes.) N	
	mber or liana, to 4 m, petals white with dark veins.
Pan-African.	······································

Salacia elegans	s Welw. ex Oliv.	Robertson SA & IAD 4935
	Nature Reserve. Shrub, scandent or liana to 10 m, stem rich latex present, flowers yellow-green, fruit orange.	dged, leaf margin serrate or crenate,
	Pan-Tropical.	
	(G.Don) Walp.	Luke WRQ & Robertson SA 2610
S	Dida/Sokoke Nyari. Shrub, scandent or liana to 4 m, petic serrulate, latex absent. Pan-African.	ble margin wavy, leaf margin
Salacia leptocla		Perdue RE & Kibuwa SP 10017
J	Jilore. Liana, to 10 m, petiole margin straight, leaf margir red when ripe. Pan-African.	
Salacia madaga	ascariensis (Lam.) DC.	Kimeu JM, et al. KEFRI470
c S	Track to big Nyari. Tree, or liana to 5 m, stems lenticellat orange when ripe. Swahilian endemic+.	te, latex present, fruits yellowish –
(179)		
Icacinaceae		
ŕ	kaurabassana Baill. 'Arabuko-Sokoke'. Climber, or liana, to 3 m, from underg flowering when leafless. Pan-African.	Smith S 599 ground tuber to 30 cm across,
Metteniusacea	ne	
Apodytes dimid	<i>liata</i> E.Mey. ex Arn.	Graham RM 203
t	Arabuko. Tree, to 5 m, crown bushy, leaves glossy, black to 12 cm, fruit black with red lobe. Pan-Tropical.	when dry, flowers white in panicles
180	1	
Salvadoraceae	2	
Azima tetracani	<i>tha</i> Lam.	s.r. (Robertson & Luke, 1993)
a	'Arabuko-Sokoke'. Shrub, scrambler to 3 m, young stems at node, flowers in axillary catkins, fruit green turning wh Pan-Tropical.	• • •
	(Forssk.) Poir.	Sangai GW EA1564
ŀ	Kaembeni-Dida. Tree, to 7 m with rounded crown, leaves ellipsoid with acute apex, to 24 mm. Pan-Tropical.	6
Dobera loranth	hifolia (Warb.) Harms	s.r. (Robertson & Luke, 1993)
د -	'Arabuko-Sokoke'. Tree, to 10 m, leaves slightly fleshy of <16 mm. Swahilian endemic+.	ften with galls, fruit ellipsoid, yellow
Salvadora persi	sica L.	s.r. (Robertson & Luke, 1993)
v	var. <i>cyclophylla</i> (Chiov.) Cuf. 'Arabuko-Sokoke'. Tree, to 6 m with drooping branches,	
	fleshy, flowers miniscule, fruits red or white. Swahilian endemic+.	
(182)		
Olacaceae		
Ximenia amerio		Spjut RW 2612
J r	var. <i>caffra</i> (Sond.) Engl. Jilore. Shrub, to 5 m, with axillary spines, flowers in crea ripe. Pan-Tropical.	m/green heads, fruit yellow when

Opiliaceae		
Opilia amente	acea Roxb.	Musyoki BM & Hansen OJ 1018
	Sokoke. Climber, to 6 m, old stems with corky lentityellow.	icels, flowers cone-like due to bracts, fruit
	Pan-Tropical.	
Pentarhopalo	pilia umbellulata (Baill.) Hiepko	Simpson BL 330
	'Arabuko-Sokoke'. Shrub, scandent, or climber, you fruit yellow.	*
	Swahilian endemic.	
185		
Loranthacea	e	
Agelanthus ka	ayseri (Engl.) Polhill & Wiens	Robertson SA, Wiens D & Calvin C 5450
	Mida Creek. Shrub, hemi-parasitic, to 50 cm, flowe Swahilian endemic+.	ers tubular, with pink, green and red bands.
Agelanthus lo	ingipes (Baker & Sprague) Polhill & Wiens	Musyoki & Hansen 999
0	Sokoke Forest Station. Shrub, hemi-parasitic, to 1 n	•
	yellow bands. Swahilian endemic. Vulnerable.	
Agalanthus h	eteromorphus (A.Rich.) Polhill & Wiens	Robertson SA 6959
Ageiuninus ne	(Agelanthus scassellatii (Chiov.) Polhill & Wiens)	Robertson SA 0959
	Mida track. Shrub, hemi-parasitic, flowers red in up	nner half
	Swahilian endemic+.	pper nan.
Emelianthe p	anganensis (Engl.) Danser	Robertson SA, Wiens D & Calvin C 5448
Linemanne p	subsp. <i>commiphorae</i> Wiens & Polhill	
	Mida Creek. Shrub, to 1 m, hemi-parasitic on <i>Lanna</i>	<i>ea stuhlmanii</i> . flower tubular, green at
	base and yellow at tip.	, , , , ,
	Swahilian endemic.	
Spragueanelle	a rhamnifolia (Engl.) Balle	Robertson S, Wiens D & Calvin C 5455
	(Oncocalyx rhamnifolius (Engl.) Tiegh.)	
	Jilore, 5 km south of forest station. Shrub, to 1 m, h	nemi-parasitic, flowers to 1.2 cm, white
	with pink and green bands.	
<i>T</i> :11 ·	Pan-African.	
Taxillus wien		Robertson SAR, Wiens D & Calvin C 5453
	Jilore, 5 km south of station. Shrub, hemi-parasitic, flowers dull purple, green and red.	to 30 cm, leaves leatnery and rounded,
	Arabuko-Sokoke endemic. Critically endangered.	
	Theorem Sokoke endemie. Children endemigered.	
Santalaceae		
Viscum triflor	um DC.	Robertson SA & Luke WRQ 2618
0	Kararacha. Shrub, hemi - parasitic, leaves slightly fl	
	to 30 cm, flowers white, fruit white. Pan-African.	
190		
Rhamnaceae		
	<i>iatica</i> (L.) Brongn.	Kuchar P 1011
Contonina asi	Mida Creek. Shrub, scrambler, to 3 m, branches zig	
	flowers yellow in axils, fruit slightly lobed, with per	
	Pan-Tropical.	-
Helinus mysta	acinus (Aiton) E.Mey. ex Steud.	s.r. (Mutangah & Mwaura, 1992)
	'Arabuko-Sokoke'. Climber, to 10 m, branchlets and	d leaves densely pubescent, flowers
	whitish.	
	Pan-African.	

Lasiodiscus pervillei Baill.	Robertson SA & Luke WRQ 2234
subsp. ferrugineus (Verdc.) E.Figueiredo	
'Arabuko-Sokoke'. Shrub, or tree to 10 m, you	ing twigs densely hairy, flowers white.
Swahilian endemic. Vulnerable.	
Ziziphus mauritiana Lam.	Gisau 94
'Arabuko-Sokoke'. Tree, to 10 m, branches zig straight, leaves elliptic/round, flowers greenish Pan-Tropical.	
Ziziphus mucronata Willd.	s.r. (Robertson & Luke, 1993)
subsp. <i>mucronata</i>	
'Arabuko-Sokoke'. Tree, to 10 m, thorns paire	d at nodes, leaf apex mucronate.
Pan-Tropical.	
193	
Vitaceae	
Cissus aralioides (Baker.) Planch.	Kimeu JM et al. KEFRI527
subsp.?orientalis Verdc.	
Kakuyuni. Climber, to 3 m with succulent stem	1. leaves 5-digitately divided.
Pan-African.	
<i>Cissus integrifolia</i> (Baker.) Planch.	Unknown 'B'
Gede. Climber, succulent, to 15 m, tendrils on	
yellow-green, ripe fruit red. Pan-African.	ce forked, fear simple and endre, frowers
Cissus phymatocarpa Masinde & L.E.Newton	Sangai GW EA15652
Kaembeni-Dida. Climber, succulent, stems joir	6
Swahilian endemic.	
Cissus rotundifolia (Forssk.) Vahl	Jeffery GW K69
var. rotundifolia	
Sokoke. Climber, succulent, to 9 m, tendrils of Pan-Tropical.	nce forked, leaves round, fleshy, crenate.
Cissus sylvicola Masinde & L.E.Newton	Sangai GW EA15735
Jilore. Climber, semi-succulent, to 4 m, stems	6
Swahilian endemic.	s angiou.
Cissus quadrangularis L.	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Climber, semi-succulent, to tendrils opposite. Pan-Tropical.	
Cyphostemma adenocaule (Steud. ex A.Rich.) Desc.	Kabuye C, Gilbert VC & Robertson SA 84/59
ex Wild. & R.B.Drumm.	Kabuye C, Olibert VC & Robertson SA 64759
Sokoke. Climber to 7 m, from tuber, leaves 5-	7 foliate
Pan-African.	101140
Cyphostemma duparquetii (Planch.) Desc.	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Climber, to 8 m, leaves 5-f	
Swahilian endemic.	onate, stems what grey hans, some red upped.
Cyphostemma hildebrandtii (Gilg) Desc. ex Wild. & R B.Dru	Imm. Graham RM 1933
Mida. Climber, or scandent shrub, semi-succul	
tipped hairs, leaves 3-5 foliate.	ent, surated, with short grey and long red-
Pan-African.	
Cyphostemma kirkianum (Planch.) Desc. ex Wild. & R.B.Dru	umm. s.r. (Mutanga & Mwaura, 1992.)
subsp. kirkianum	anich
'Arabuko-Sokoke'. Herb, climber, flowers gree Swahilian endemic.	CIIISII.

Rhoicissus rev	voilii Planch.	Robertson SA 6960
	Mida-Jilore track. Shrub, or climber to 10 m, leaves 3-foliate, hairy under margin, flowers in dense heads, yellow-green. Pan-African, Arabia.	veins not reaching
194-195		
Rutaceae		
Clausena anis	sata (Willd.) Hook.f. ex Benth.	Robertson SA 3884
	'Arabuko-Sokoke'. Shrub, or small tree up to 6 m, leaves strongly scented white, fruit shiny black.	, flowers cream
TT	Pan-African.	C:
narrisonia at	<i>pyssinica</i> Oliv. Madunguni. Shrub, to 6 m, bark with corky bosses bearing prickles, branc prickly stipules, flowers cream or yellow. Pan-African.	Simpson BL 271 hes also with
Vanris sansih	arensis (Engl.) Mziray	Moomaw JC 1674
vepris sansibe	(Toddaliopsis sansibarensis (Engl.) Engl.	Wi00illaw JC 1074
	Mida. Shrub, to 5 m, bark smooth, flowers white, fruit brown 4-angled, w	arty
	Swahilian endemic. Vulnerable.	arty.
Venris trichoo		Greenway PG 10826
repris intenee	(Teclea tricocarpa (Engl.) Engl.)	51001111uy 1 8 10020
	Arabuko? Shrub, to 6 m, much branched, leaves trifoliate, fruit red, hairy. Pan-African.	
Zanthoxvlum		rtson & Luke, 1993)
	var. chalybeum	,,,
	'Arabuko-Sokoke'. Tree, to 10 m, trunk with corky growths, branchlets w flowers below the new leaves. Pan-African.	ith recurved spines,
195		
Balanitaceae		
	Ighamii Sprague Robertson SA	& Luke WRQ 4612
	'Arabuko-Sokoke'. Tree, to 25 m with high buttresses, leaves two-foliate, flowers yellow-green. Swahilian endemic+.	-
196		
Burseraceae		
Commiphora	africana (A.Rich.) Engl.	Luke WRQ 3033
	var. glaucidula (Engl.) J.B.Gillet	
	Mida. Tree, to 3 m, bark peeling, spines present, 3-foliate, laterals much s petals with curved hairs, fruit obovate. Somali-Masai endemic.	shorter than apical,
Commiphora	edulis (Klotzch) Engl. s.r. (Robe	rtson & Luke, 1993)
-	subsp. boiviniana (Engl.) J.B.Gillet	
	'Arabuko-Sokoke'. Tree, to 10 m, spines absent, leaves 3-11 foliate, dense flowers greenish/yellow, fruit globose. Swahilian endemic+.	ly pubescent below,
Commiphora	kua (R.Br. ex Royle) Vollesen	Spjut RW 3820
	(Commiphora lindensis Engl.)	
	Jilore. Shrub, much branched, spine present, lateral leaflets very small, flowers y Swahilian endemic +.	ellow-green.

Meliaceae Robertson SA 6973 Turraea floribunda Hochst. 'Arabuko-Sokoke'. Shrub, or scrambler to 10 m, leaf apex acumnate, flowers fragrant, petals 80-100 mm, fruit ribbed, orange-red. Swahilian endemic+. Turraea holstii Gürke Kimeu JM et al. KEFRI645 Kakuyuni. Tree, to 10 m, bark grooved in older trees, flowers white to cream, petals 18-25 mm, fruit yellow. Pan-African. Turraea mombassana Hiern ex C.DC. Graham RM 1947 subsp. *mombassana* Sokoke. Shrub or scrambler, to 4 m, leaves on short lateral shoots, sub-acuminate, flowers white to yellow on very short peduncles, petals 24-45 mm, seeds red. Swahilian endemic+. Turraea wakefieldii Oliv. Dale IR K2035 Sokoke. Shrub, scandent, or tree, to 4 m, leaf apex sub-acuminate, petals 50-75 mm, seeds red. Swahilian endemic. 198 Sapindaceae Allophylus pervillei Blume Faden AB & AJ 74/1223 Mida-Jilore track. Shrub, to 1 m, or small tree, leaves unifoliate or with tiny lateral leaflets, glabrous, flowers greenish, fruits bright red. Swahilian endemic+. Allophylus rubifolius (Hochst. ex A.Rich) Engl. Spjut RW 2665 var. alnifolius (Baker) Friis & Vollesen 'Lake' Jilore. Shrub, to 4 m, much branched, leaves trifoliate, sparsely to densely pubescent beneath, often with domatia. Swahilian endemic+. Deinbollia borbonica Scheff. Polhill R & Paulo S 861 f. arenicola Capuron Jilore. Shrub, to 2 m, or small tree, branching limited, leaves in whorls towards top, young branchlets golden hairy, infl. terminal. Swahilian endemic+. Haplocoelum inoploeum Radlk. Robertson SA & Luke WRO 4614 Roka. Shrub, or small tree to 4 m, leaflets 2-4, flowers greenish - cream, fruits triangular in cross-section. Swahilian endemic. Jeffery GW K173 Lecaniodiscus fraxinifolius Baker. subsp. scassellatii (Chiov.) Friis Sokoke. Tree, to 6 m, densely branched, leaves obtuse or rounded at apex, flowers greenish, fruits pink-cream. Swahilian endemic. Lecaniodiscus fraxinifolius Baker Nash LT 1 subsp. vaughanii (Dunkley) Friis Gede. Tree, to 6 m, leaves twice as long as wide, narrow acuminate, flowers greenish. Swahilian endemic+. Pancovia golungensis (Hiern) Exell & Mendonça Dale IR 3875 Mida. Shrub, to 2 m, leaflets 3-4 pairs, inflorescence from old wood, dioecious. Swahilian endemic.

Anacardiaco	eae	
Lannea schw	veinfurthii (Engl.) Engl.	Polhill R & Paulo S 875
	var. acutifoliata (Engl.) Kokwaro	
	Jilore. Tree, to 10 m, with spreading crown, leaf	lets elliptic, apex caudate.
	Swahilian endemic+. Near threatened.	
Lannea schw	peinfurthii (Engl.) Engl.	Simpson BL 149
	var. stuhlmannii (Engl.) Kokwaro.	
	'Arabuko-Sokoke'. Tree, to 10 m, leaves at end o obtuse/acuminate. Swahilian endemic+.	of branches, leaflets ovate, apex
Ozoroa oboy	ata (Oliv.) R.Fern. & A.Fern.	McNaughton G 154
020104 0001	Arabuko. Tree, to 8 m, leaves in whorls of 3, da shaped.	•
Conveia wata	Swahilian endemic.	Kusher D 10027
Searsia nata	lensis (Bernh. ex C.Krauss) F.A.Barkley	Kuchar P 10037
	(<i>Rhus natalensis</i> Bernh. ex C.Krauss) Mida Creek. Shrub, to 3 m, leaves 3-foliate medi terminal, yellow-green in dense heads, fruit red. Pan-African.	ian leaf obovate, flowers axillary and
206		
Connaracea	e	
Ellipanthus r	nadagascariensis (G.Schellenb.) Capuron ex Kerau	dren Kimeu JM et al. KEFRI522
	(E. hermandradenoides Brenan)	
	Gede. Shrub, unifoliate, flowers white in few-flo Swahilian endemic.	wered panicles, fruits velvety, brown.
Rourea cocci	inea (Schumach. & Thonn.) Benth.	Robertson SA, Luke WRQ & Awimbo J 5236
	subsp. <i>boiviniana</i> (Baill.) Jongkind Nature Reserve. Shrub, scandent, or liana to 3 m	, leaflets 5-9, fruits yellow.
	Swahilian endemic.	
Rourea orier	atalis Baill.	Jeffery GW K166 (cited in FTEA)
	(<i>Byrsocarpus orientalis</i> (Baill.) Baker) Sokoke? Shrub, scandent, or small tree, leaflets 1 Pan-African	2-28, flowers white to yellow, fruit red.
212		
Araliaceae		
Cussonia zin	amermannii Harms	Greenway PG EAH12216
-	'Arabuko-Sokoke'. Tree, to 12 m, bole straight, branches. Swahilian endemic.	-
221		
Ebenaceae		
Diospyros al	pyssinica (Hiern) F. White	Graham RM 2014
	subsp. <i>abyssinica</i>	
	Mida. Tree, to 10 m, leaves glabrous with wavy Pan-African.	margin, flowers yellow, calyx glabrous.
Diospyros co	onsolatae Chiov.	Robertson SA & Luke WRQ 4628
	Forest Reserve NW boundary. Tree, to 8 m, leaf	margin revolute, fruit depressed globose.
	Swahilian endemic+.	
Diospyros no	ntalensis (Harv.) Brenan	Trump EC 116
	subsp. natalensis	
	'Arabuko-Sokoke'. Tree, to 8 m, leaves to 4 cm, with cup-like calyx in lower third. Pan-Tropical.	with ciliate margins, flowers white, fruit
	i	

Diospyros squ	uarrosa Klotzsch	Kirika P, Nyamongo O & Sanyanyi S 04/15/2008
	Mida. Tree, to 10 m, trunk smooth, fruit	with persistent four-lobed calyx.
	Swahilian endemic+.	
Euclea natale	ensis A.DC.	Gardner HM 1417
	subsp. obovata F. White	
	Arabuko. Tree, to 10 m, leaves leathery, 1	nairy under, flowers axillary, scented.
	Swahilian endemic+.	5 / 5/
222		
Sapotaceae		
-	nsibarensis (Engl.) Dubard	Graham RM 2161
		rk strongly grooved, leaves with veins impressed
Manilkara su	lcata (Engl.) Dubard	Graham RM 2145
mannikara sa	Arabuko. Tree, to 8 m, bark slightly groo	
	Swahilian endemic.	veu, leaves glabious < 5 cm.
Minurgana ah		an (Dahartaan & Lyka 1002)
Mimusops obi	<i>tusifolia</i> Lam. 'Arabuko-Sokoke'. Tree, to 15 m, bark gr whorls of 4, fruit orange or red. Swahilian endemic+.	s.r. (Robertson & Luke, 1993) rooved, flowers in axillary fascicles, sepals in 2
Sideroxylon in	nerme L.	s.r. (Robertson and Luke, 1993)
-	subsp. <i>diospyroides</i> (Baker) J.H.Hemsl.	
		spiral, elliptic to obovate, glabrous, flowers fascicled
Vitellariopsis	kirkii (Baker) Dubard	Karisa R 43
	Sokoke. Shrub, or scrambler to 2.5 m, ev shoots, fruit brown, velvety. Swahilian endemic. Vulnerable.	ergreen, thicket forming, leaves crowded on short
228	Swamman endemie. Vumerable.	
Gelsemiaceae	a.	
Mostuea brun		Graham RM 199
mosiueu brun	var. brunonis	Ofalialii Kivi 199
		lla white with a yellow base, fruit flattish, bilobed.
Mostuea brun		s.r. (Robertson & Luke, 1993)
mosiaca bran	var. <i>obcordata</i> Leeuwenb.	s.i. (Robertson & Luke, 1995)
	'Arabuko-Sokoke'. Shrub, leaves smaller Swahilian endemic.	than brunonis, fruit densely hairy.
Loganiaceae		
Strychnos dec	sussata Gilo	s.r. (Robertson & Luke, 1993)
Siryennos dec	•	let pairs decussate (alternating), infl. axillary or
Strychnos hen	ningsii Gilg	Robertson SA, Luke WRQ & Awimbi J 5241
·		ossy and leathery, flowers white, fruit yellow to red.
Strychnos mad	dagascariensis Poir.	Kuchar P 10019
	Mida Creek. Tree, to 4 m, leaves elliptic . Swahilian endemic+.	at end of short shoots, infl. axillary, fruit yellow.
Strychnos pan	<i>nganensis</i> Gilg	Robertson SA 3885
-		hlets grey velvety, tendrils 2-forked, flowers white.

Strychnos spinosa La	m.	Cunningham-Van Someren GR 54?
Mida (Creek. Tree, to 5 m, spines paired, flowers greenish	white in terminal cymes, fruit up to
10 cm,	green shiny.	
Pan-At	frican.	
Strychnos xylophylla	Gilg	Luke WRQ & Robertson SA 2172
Mida C	Creek. Tree, to 3 m, bark pale, leaves stiff.	
	ian endemic. Endangered.	
229	8	
Oleaceae		
Jasminum punctulatu	<i>m</i> Chiov	Graham RM 2147
Arabul	ko. Climber, to 2 m, young stems densely pubescent s white, star shaped.	
	ian endemic.	
Jasminum streptopus	-	s.r. (Robertson & Luke,1993)
	reptopus	
Forest Pan-At	Reserve south boundary. Climber/liana, to 2 m, ste frican.	ems glabrous, leaves with domatia.
230-231		
Apocynaceae		
Adenium obesum (Fo	rssk.) Roem. & Schult.	Purdue RE & Kibuwa SP 10 026
	Shrub, to 1.5 m with swollen stem, flowers pink.	
Pan-At	*	
Ancylobothrys petersi	iana (Klotzsch) Pierre	Beentje H 2286
	Reserve. Liana, to 3 m, latex present, leaves round	•
	s white.	
Pan-At	frican.	
Ancylobothrys taylori	s (Stapf) Pichon	Spjut RW 3939
	uni. Liana, to 8 m, leaf apex acuminate, veins nume	10
•	ian endemic.	
Baissea myrtifolia (B		Musyoki BM & Hansen OJ 1004
Jilore I domati	Forest Station. Shrub scandent, to 4 m, or liana, wit a present, flowers yellow with pink throat. ian endemic.	-
Carissa tetramera (Sa		Omino EA 66
	ni, at forest edge. Shrub, to 2 m, spines forked, lea	
pink, p	petals 4. ian endemic.	
Ceropegia nilotica K		Musyoki BM & Hansen OJ 1030
var. <i>ni</i>	•	
Jilore I middle	Forest Station. Climber, or liana, sparsely branched , cream with maroon markings on top part. ian endemic+.	to 2 m, flowers constricted in the
Cryptolepis apiculata		Robertson SA 6896
** * *	ngoni. Liana, to 3 m, leaves leathery, base cuneate of	
	ian endemic+.	frounded, nowers yenow-green.
Cryptolepis hypoglau		RB, Evans TM & Rathbun G 71/680
	Liana, to 6 m, leaves sessile, glaucous beneath, flow	
	ian endemic.	wers plik-purple.
		Kuchar P 10 028
Cynanchum gerrardii		Kucilai P 10 028
-	<i>gerrardii</i> Creeper, semi-succulent, leaves scale-like, flowers gropical.	greenish-white, scented.

Cynanchum viminale (L.)	L.		Simpson BL 112
	a viminale (L.) R.Br.)		
	<i>tegia</i> woodland. Climber, lea m-green and white.	fless, succulent, latex pres	ent, flowers in spherical
Pan-African			
Dictyophleba lucida (K.Scl	hum.) Pierre	s.r. (N	futangah & Mwaura, 1992)
	okoke'. Liana, to 15 m, with n ninal panicles.	milky sap, tendrils present	, leaf base cordate, flowers
			Graham RM 1970
Gymnema sylvestre (Retz.) 'Arabuko-So fruit 70x80 r Pan-Tropica	okoke'. Liana to 2 m, leaves t nm.	comentellous below, flower	
Hunteria zeylanica (Retz.)			Kirika P et al. GBK26
•	okoke'. Shrub, to 3 m with m	nilky latey flowers termin	
Pan-Tropical		miky latex, nowers termina	al, mult yenow to oralige.
Landolphia kirkii Dyer			Simpson BL 247
'Arabuko-So	bkoke'. Liana, to 6 m, latex p hite in dense cymes, fruit dull		1
Marsdenia rubicunda (K.S	chum.) N.E.Br.]	Kimeu JM et al. KEFRI698
	Climber/liana, to 4 m, leave		
hairy. Pan-African		,,,,,,,	
Pentatropis nivalis (J.F.Gr	nel.) D.V.Field & J.R.I.Woo	bd	Malombe M et al. 1146
subsp. nivali			
-	er/twiner, semi-succulent, lea	aves with conical glands at	base.
Pan-Tropical			
Saba comorensis (Bojer ex			Simpson BL 112
'Arabuko -S	okoke'. Climber/liana, to 20 ellow throat, fruit yellow to c		-
			Vince IN VEEDIGO
Secamone parvifolia Bulloo		as two winged flowers and	Kimeu JM KEFRI684
•	reeper/twiner to 5 m, old sten	ns two-winged, flowers cre	eam, stigma not dilated.
Pan-African			
Secamone retusa N.E.Br.			(Robertson & Luke, 1993)
[•] Arabuko-So Swahilian en	okoke'. Climber, or liana to 3 ademic.	m, leaf margins inrolled,	apex round/retuse.
Strophanthus courmontii Sa	acleux ex Franch.		Langridge WP 85
-	ub, or liana, stem with corky	ridges, flowers cream/pur	6 6
Strophanthus kombe Oliv.			Meso M et al. KEFRI664
-		hairy, flowers red and yes	
			Sangai CW EA15576
Tabernaemontana elegans Jilore-Kakuy warty skin.	vuni. Tree, to 6 m, flowers w	hite, fragrant, fruit up to 8	Sangai GW EA15576 cm, paired, ridged with
Pan-African			
Vincetoxicum tenuipeduncu	ulatum (K.Schum.) Meve & L enuipedunculata K.Schum.)	iede	Polhill R & Paulo S 863
Jilore. Creep Swahilian en	per/twiner to 3 m, infl. delicandemic+.	te, flowers pink and red.	

Rubiaceae		
Afrocanthium	kilifiense (Bridson) Lantz	Musyoka BM & Hansen OJ 1012
	Sokoke Forest Station. Shrub, to 2 m, stipules to 6 mm, frui	t bilobed.
	Kenya Coast endemic. Near threatened.	
Afrocanthium	pseudoverticillatum (S.Moore) Lantz	Faden RB & AJ 74/1232
	Jilore. Shrub, to 2 m, leaves with scabrid edges, on short she	oots, flowers yellow or greenish.
	Swahilian endemic.	
Agathisanther	num bojeri Klotzsch	Boyle B 131
	subsp. <i>bojeri</i>	
	'Arabuko-Sokoke'. Herb, woody to 75 cm, flowers white, p	etals and sepals 4.
	Pan-African.	
Bullockia mor	nbazensis (Baill.) Razafim., Lantz & B.Bremer	Musyoki BM & Hansen OJ 1012
	(Canthium mombazense Baill.)	
	Kararacha. Shrub, to 3 m, leaves to 13 cm, stipules to 11 mm	m, flowers white.
	Swahilian endemic.	
Canthium gla		Simpson BL 348
	subsp. glaucum	
	'Arabuko-Sokoke'. Tree, to 2.5 m, arching branches, with s	pines to 25 mm.
	Kenya Coast endemic. Endangered.	
Canthium mri	maense (Verdc.) Lantz	s.r. (Robertson & Luke, 1993)
	(Rytigynia mrimaensis Verdc.)	
	'Arabuko-Sokoke'. Shrub, to 3 m, spines supra-axillary, least	f base rounded, flowers axillary
	solitary, greenish.	
Catal	Kenya Coast endemic.	Sector DW 2052
Calunaregam	nilotica (Stapf) Tirveng.	Spjut RW 3953
	Kakoneni. Shrub, to 2 m, multi-stemmed, with spines to 25 shoots, usually glabrous, flowers white.	min, leaves obovate on short
	Pan-African.	
Chassalia par	<i>vifolia</i> K.Schum.	s.r. (Thomas, 1988)
enaberna par	A-S <i>Brachystegia</i> forest. Shrub, or small tree, to 4.5 m, leav	
	often tipped with pink, corolla tube 4-6 mm, panicles with de	· ·
	Pan-African.	
Chassalia um	braticola Vatke	Faden RB & AJ 74/1250
	subsp. umbraticola	
	Mida-Jilore track. Shrub, to 2 m, peduncles wine coloured, flo	owers pink/white, tube to 20 mm.
	Swahilian endemic.	
Chazaliella al	brupta (Hiern) E.M.A.Petit & Verdc.	Graham RM 290
	var. <i>abrubta</i>	
	Mida. Shrub, to 1.5 m, leaves glabrous <4 cm, flowers brig	ght yellow in small stalked
	terminal heads.	
	Swahilian endemic+.	
Coffea sessilij		s.r. (Robertson & Luke, 1993)
	subsp. sessiflora	
	'Arabuko-Sokoke'. Shrub, to 3 m, stipule limbs triangular, f	lowers singular on leaf axils, fruit
	to 1cm.	
Contornor	Kenya Coast endemic.	an (Debertson & Lyke 1002)
Copiosperma	graveolens (S. Moore) Degreef	s.r. (Robertson & Luke, 1993)
	(<i>Tarenna graveolens</i> (S. Moore) Bremek var. <i>graveolens</i>)	inules to 0 mm infl terminal
	'Arabuko-Sokoke'. Tree, to 6 m, leaves elliptic to 12 cm, sti flowers white/yellow, fruit black when ripe.	ipules to 9 mm, mm. terminal,
	Swahilian endemic.	

Coptosperma	nigrescens Hook.f.	Dale IR K3670
	(Tarenna nigrescens (Hook.f.) Hiern)	
	Mida. Shrub, to 2 m, leaves lanceolate to 8 cm	, stipules to 2 mm.
	Swahilian endemic.	
Coptosperma	supra-axillare (Hemsl.) Degreef	Langridge WP 9
	(<i>Tarenna supra-axillaria</i> (Hemsl.) Bremek.)	
	'Arabuko-Sokoke'. Shrub, to 1.5 m, leaves to	10 cm infl axillary corolla lobes reflexed
	Swahilian endemic+.	to eni, nin. axinary, corona robes renexed.
Cordylostian	a virgatum (Willd.) Groeninckx & Dessein	Luke WRQ 3026
Coruyiosiigiii	(Kohautia virgata (Willd.) Bremek.)	Luke WKQ 5020
		ling flowers white to sight
	Mida. Herb, woody, to 40 cm, branches spread	ing, nowers while to pink.
C	Pan-African.	
Cremaspora	triflora (Thonn.) K.Schum.	Mutangah J & Kamau P AS7
	subsp. triflora	
	'Arabuko-Sokoke'. Shrub, to 2.5 m, pseudo sti	pules present, flowers fragrant, subsessile in
	axis, fruit dark purple.	
	Pan-African.	
Diodia aulac	osperma K.Schum.	Luke WRQ & Robertson SA 2586
	var. aulacosperma	
	Mida. Herb, to 30 cm, leaves succulent, flower	rs white in dense axillary clusters, corolla tube
	hairy.	
	Pan-Tropical.	
Empogona or	valifolia (S.Moore) Tosh & Robbr.	Simpson BL 166
	var. <i>ovalifolia</i>	
	(Tricalysia ovalifolia Hiern)	
	Arabuko. Shrub, to 2 m, leaves leathery, corol	la tube bearded at throat.
	Swahilian endemic.	
Empogona or	valifolia (S.Moore) Tosh & Robbr.	Robertson SA, Luke WRQ & Awimbo J 5237
T	var. taylorii (S.Moore) Brenan	
	Nature Reserve. Shrub, to 1.3 m.	
	Swahilian endemic. Vulnerable.	
Feretia anod	anthera Delile	Gisau s.n.
	subsp. keniensis Bridson	Gisau s.ii.
	*	ile on chart course fruit white with rounds
	'Arabuko-Sokoke'. Shrub, to 3 m, flowers sess	she on short spurs, fruit white with purple
	streaks. Swahilian endemic.	
		C DC 0900
Garaenia tra	nsvenulosa Verde.	Greenway PG 9809
		leaves abruptly cuneate, flowers solitary in leaf
	axils.	
<i>c</i> 1 · · · ·	Swahilian endemic+.	
Garaenia vol	kensii K.Schum.	Langridge WR 3
	subsp. volkensii	
	Sokoke. Tree, to 10 m, densely branched, leave	es dark green, flowers white turning yellow,
	fruit ridged, warty.	
	Swahilian endemic+.	
Heinsia crini	ta (Afzel.) G.Taylor	Faden AB & AJ 74/1224
	subsp. parviflora (K.Schum. & K.Krause) Vero	
	Mida-Jilore track. Shrub, scrambling, to 2 m, f	flowers white, star-shaped, petals 'ridged' in
	centre, solitary in terminal cymes.	
	Swahilian endemic.	
Hymenodicty	on parvifolium Oliv.	s.r. (Robertson & Luke, 1993)
	subsp. parvifolium.	
	'Arabuko-Sokoke'. Tree, to 4 m, infl. a spike, frui	it a reddish-brown capsule with prominent lenticels.
	Pan-African.	

Keetia zanzibarica (Klotz subsp. zanz	-	s.r. (Robertson & Luke, 1993)
-		n, with arching branches, flowers white, in dense
clusters at 1		ii, with arching branches, nowers white, in dense
Swahilian e		
Kohautia caespitosa Schn		Kuchar P 9987
	niensis (K.Krause) Govaerts	
-		s white or yellowish, stigma with 2 filiform lobes.
Pan-Tropic		
Meyna tetraphylla (Schwe		s.r. (Robertson & Luke, 1993)
	orensis (Robyns) Verdc.	
-	•	3 m, with spines axillary at nodes, leaves in pairs
	le shoots, fruit brown.	
Swahilian e	endemic+.	
Oldenlandia affinis (Roen	n. & Schult.) DC.	Kibuwa SP 20 020
subsp. <i>fuga</i>	x (Vatke) Verdc.	
Mida-Jilore	e track. Herb, erect to 1 m, flow	wers bright blue.
Pan-Africa	n.	
Oldenlandia corymbosa L		Luke WRQ & Robertson SA 2509
var. <i>caespi</i>	tosa (Benth.) Verdc.	
Mida Creel	k. Herb, to 30 cm, sometimes e	erect, flowers white.
Pan-African	n.	
Oldenlandia johnstonii (C	liv.) Engl.	Luke WRQ & Robertson SA 2624
Forest Rese	erve south boundary. Herb, spr	eading to 20 cm, flowers white or slightly pink.
Swahilian e	endemic+.	
Oxyanthus zanguebaricus		Graham RM 1857
Arabuko. S Swahilian e		y scented in subsessile panicles, corolla tube to 10 cm.
Pavetta crebrifolia Hiern		Jeffery JW K610
var. crebrij	folia	
•		lowers white in terminal corymbs on leafy branches,
corolla tube	e 10-22 mm, fruit black 6-8 mm	• •
Swahilian e		
Pavetta stenosepala K.Sc		Graham RM K1687
subsp. sten	-	
	· · · · ·	ndpapery under, calyx lobes thread-like 12 mm long.
Swahilian e	indemic.	
Pavetta uniflora Bremek.		Polhill R & Paulo S 859
		flowers white, solitary on leafy spurs, corolla tube
30-40 mm. Swahilian e		
Pentas bussei K.Krause	indenne.	Graham RM 2065
	woody to 1 m leaves >3 c	m wide, flowers scarlet in terminal/axillary cymes,
	f calyx longer than others.	in whic, nowers searce in erinnar/axinary cylics,
Pan-Africa		
Pentas parvifolia Hiern		Jeffery GW K572
f. spicata V	/erdc.	j
=	The arub, to 1.2 m, leaves $< 2 \text{ cm v}$	vide.
Swahilian e		
	humach. & Thonn.) Vatke	Simpson BL 332
var. minor		L
		0 cm, flowers white/blue/mauve, corolla tube 4 mm,
lobes 1.5 m	ım.	
Pan-Africa	n.	

1 oryspractia	parvifolia Hiern	Simpson BL 226
	A-S Brachystegia forest. Shrub, or tree,	to 6 m, bark brown splitting, flowers white in sessile
	nodal clusters, fruit bright red.	
	Pan-African.	
Psychotria an	nboniana K.Schum.	Faden RB, Evans TM & Rathbun G 71/664
	var. amboniana	
	Kararacha. Shrub, to 1.5 m, young stem	s and leaves glabrous, nodules on midrib at base.
	Swahilian endemic.	-
Psychotria an	nboniana K.Schum.	Musyoki BM & Hansen OJ 1023
5	var. velutina (E.M.A.Petit) Verdc.	2
	Gede Forest Station? Similar to var. and	poniana but stems and leaves pubescent.
	Swahilian endemic.	
Psychotria pu		Beentje H 2302
1 sycholria pi		Deenije 11 2502
	var. <i>punctata</i>	with numerous nodules, flowers white or cream in
	panicles 3-8 cm, fruit bright red.	with humerous houses, nowers winte or cream in
	Pan-African.	
Dendrar fault	nerae Bridson	Langridge WP 4
Гзуагах зашк		0 0
	Sokoke. Tree, to 5 m, leaves with doma	ha, infl. stalked, fruit black.
	Swahilian endemic. Vulnerable.	
Psydrax polh		Faden RB & Evans TM 71/708
		n spur shoots leathery, infl. subsessile, flowers many.
	Swahilian endemic+. Vulnerable.	
Psydrax recut	rvifolia (Bullock) Bridson	Robertson SA, Luke WRQ & Awimbo J 5246
	Nature Reserve. Shrub, to 2.5 m, leaves	recurved, flowers yellow few per axil, fruit one -
	seeded.	
	Swahilian endemic.	
Psydrax schin	nperiana (A.Rich.) Bridson	Graham RM 1995
Psydrax schin	nperiana (A.Rich.) Bridson subsp. schimperiana	Graham RM 1995
Psydrax schir	subsp. schimperiana	Graham RM 1995 aves shiny, flowers greenish in dense clusters.
Psydrax schir	subsp. schimperiana	
	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le	
	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993)
	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in
	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in
Pyrostria bib	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical.	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in
Pyrostria bib	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712
Pyrostria bib	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712
Pyrostria bib Pyrostria phy	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African.	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary.
Pyrostria bib Pyrostria phy	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. <i>macrosiphon</i> (K.Schum. ex Engl.) Bridson	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209
Pyrostria bib Pyrostria phy	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. <i>macrosiphon</i> (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sir	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary.
Pyrostria bib Pyrostria phy Rothmannia r	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. <i>macrosiphon</i> (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable.	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre.
Pyrostria bib Pyrostria phy Rothmannia r	subsp. <i>schimperiana</i> Arabuko. Tree, to 6 m, stems square, le Pan-African. <i>racteata</i> (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. <i>llanthoidea</i> (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. <i>macrosiphon</i> (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable. <i>avae</i> (Chiov.) Bridson	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre. Graham RM 1985
Pyrostria bib Pyrostria phy Rothmannia r	subsp. schimperiana Arabuko. Tree, to 6 m, stems square, le Pan-African. racteata (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. llanthoidea (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. macrosiphon (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable. avae (Chiov.) Bridson Arabuko. Tree, to 10 m, flowers tubulan	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre. Graham RM 1985
Pyrostria bib Pyrostria phy Rothmannia r Rothmannia r	subsp. schimperiana Arabuko. Tree, to 6 m, stems square, le Pan-African. racteata (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. llanthoidea (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. macrosiphon (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable. avae (Chiov.) Bridson Arabuko. Tree, to 10 m, flowers tubulan Swahilian endemic.	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre. Graham RM 1985 to 7 cm, cream with purple spots.
Pyrostria bib Pyrostria phy Rothmannia r Rothmannia r	subsp. schimperiana Arabuko. Tree, to 6 m, stems square, le Pan-African. racteata (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. llanthoidea (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. macrosiphon (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable. avae (Chiov.) Bridson Arabuko. Tree, to 10 m, flowers tubulan Swahilian endemic. astroides (Baill.) Verdc.	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in tly lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre. Graham RM 1985
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Pyrostria bib Pyrostria phy Rothmannia r Rothmannia r Rytigynia cela	subsp. schimperiana Arabuko. Tree, to 6 m, stems square, le Pan-African. racteata (Baker) Cavaco 'Arabuko-Sokoke'. Tree, to 8 m, leaves dense umbellate cymes, fruit green sligh Pan-Tropical. llanthoidea (Baill.) Bridson Mida-Jilore track. Tree, to 4 m, leaves Pan-African. macrosiphon (K.Schum. ex Engl.) Bridson Sokoke. Tree, to 5 m, flowers terminal sin Swahilian endemic. Vulnerable. avae (Chiov.) Bridson Arabuko. Tree, to 10 m, flowers tubular Swahilian endemic. astroides (Baill.) Verdc. var. celastroides (Rytigynia microphylla (K.Schum.) Roby 'Arabuko-Sokoke'. Shrub, to 3 m, brand Swahilian endemic +. ilituba (K.Schum.) Verdc. 'Arabuko-Sokoke'. Herb, erect to 1 m, s	aves shiny, flowers greenish in dense clusters. s.r. (Robertson & Luke, 1993) >4 cm, infl. from paired bracts, flowers subsessile in thy lobed. Faden RB & Evans TM 71/712 <4 cm, female flowers solitary. Gardner HM 1209 gle, white, tubular to 15 cm, purple markings in centre. Graham RM 1985 to 7 cm, cream with purple spots. Mutanga JG & Kamau P AS1 (ns) hes in threes, leaves hairy.
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Spermacoce subvulgata (K.Schum.) J.G.García	s.r. (Mutanga & Mwaura, 1992)
var. subvulgata	
'Arabuko-Sokoke'. Herb, erect to 1 m, corolla tube not na	arrow.
Pan-African.	
Vangueria randii S.Moore	Luke WRQ 1941
subsp. acuminata Verdc.	
Dida/Sokoke Nyari. Shrub, to 1.5 m, leaves scabrid, calyx	lobes >3 mm, fruit yellow, globose.
Swahilian endemic.	
238	
Asteraceae (Compositae)	
Ageratum conyzoides L.	Simpson BL 317
subsp. conyzoides	
'Arabuko-Sokoke'. Herb, to 30 cm, flowers mauve.	
Pan-Tropical.	
Brachylaena huillensis O.Hoffm.	Kimeu J et al. KEFRI622
Jilore. Tree, to 7 m, bole fluted and smooth, leaves grey to	omentose below, flowers white in
terminal panicles, fruit a winged achene.	
Swahilian endemic +. Near threatened.	
<i>Eclipta prostrata</i> (L.) L.	Simpson BL 306
'Arabuko Sokoke'. Herb, woody, prostrate or erect to 90	cm, stems reddish, flowers white.
Pan-Tropical.	
Erythrocephalum marginatum (O.Hoffm.) S.Ortíz & Cout.	Moggridge GM 169
(Achyrothalamus marginatus O.Hoffm.)	
Sokoke. Herb, woody, to 1 m, flowers yellow.	
Swahilian endemic+.	
Gutenbergia cordifolia Benth. ex Oliv.	Simpson BL 103
'Arabuko-Sokoke'. Herb, to 2 m, flowers, purple/mauve.	
Pan-African.	
Gutenbergia pembensis S.Moore	Graham RM 144
Sokoke. Herb, woody, to 30 cm, leaves discolorous, flow	
Swahilian endemic. Vulnerable.	ers purple.
Gynura colorata Peter ex F.G.Davies	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Herb, to 60 cm, decumbent at base, le	
florets yellow.	aves green above, purprish below,
Swahilian endemic. Endangered.	
Gynura scandens O.Hoffm.	Robertson SA & Luke WRQ 6577
'Arabuko-Sokoke'. Herb, scandent, pubescent, stems redd	
Pan-African.	nsh, nowers yenow/orange.
Jeffreycia hildebrandtii (Vatke) H.Rob., S.C.Keeley & Skvarla	s.r. (Thomas, 1988)
(Vernonia hildebrandtii Vatke)	s.i. (inomas, 1966)
	1140
'Arabuko-Sokoke'. Climber/liana to 3 m, flowers pale ma Swahilian endemic+.	uve.
	Graham RM 1714
Jeffreycia zanzibarensis (Less.) H.Rob., S.C.Keeley & Skvarla (Vernonia zanzibarensis Less.)	Oralialii Kivi 1714
	any flower boods white tinged number
Arabuko. Shrub, to 3 m, sometimes scandent, leaves sandpap	bery, nower neads white unged purple.
Swahilian endemic.	D D (255
Kleinia abyssinica (A.Rich.) A.Berger	Bamps P 6355
var. hildebrandtii (Vatke) C.Jeffrey	
'Arabuko-Sokoke'. Herb succulent, 30 cm, flowers red.	
Pan-African.	
Launaea cornuta (Hochst ex Oliv. & Hiern) C.Jeffrey	s.r. (Thomas,1988)
'Arabuko-Sokoke'. Herb, up to 1.5 m, stem hollow, flowe	ers pale yellow.
Pan-African.	

Orbivestus I	homilanthus (S.Moore) H.Rob.	Kuchar P 12019
	Vernonia homilantha S.Moore	
	Mida Creek. Herb, to 1 m, fleshy, flowers purple.	
	Swahilian endemic.	
Pluchea sor	dida (Vatke) Oliv. & Hiern	Kuchar P 10050
	Mida Creek. Shrub, to 75 cm, flowers pink.	
	Swahilan endemic+.	
Solanecio a	ngulatus (Vahl) C.Jeffrey	Jeffery GW K263
2010110010 0	Sokoke. Herb, fleshy, climbing, to 3 m, flowers yellow	•
	Pan-Tropical.	
Tridax proc		Karisa R 51
Thun proc	'Arabuko-Sokoke'. Herb, to 75 cm, flowers yellow and	
	Pan-Tropical.	white.
239	Fail-Tropical.	
Gentianace		Late WDO & Debasters CA 259(A
Enicostema	axillare (Lam.) A.Raynal	Luke WRQ &. Robertson SA 2586 A
	subsp. axillare	
	Mida. Herb, to 40 cm, scandent, flowers white.	
	Pan-Tropical.	
241		
Plumbagin		
Plumbago s	<i>tenophylla</i> Wilmot-Dear	Graham RM 2103
	Mida. Herb, woody, found in shade, flowers white/purp	le.
	Swahilian endemic. Critically endangered.	
(244)		
Campanula	aceae	
Lobelia ferv	vens Thunb.	Graham RM 2114
	subsp. <i>fervens</i>	
	Mida. Herb, 20 cm, succulent, flowers blue.	
	Pan-Tropical.	
249	-	
Boraginace	ae	
-	etiolaris (Lam.) Thulin	Faden, AB & AJ 74/1234
1	Mida. Tree, to 5 m, branches easily break, leaves up to	
	mm fragrant, fruit red.	
	Swahilian endemic +.	
Cordia subo	cordata Lam.	Katende A & Lye K 4814
	Mida Creek. Shrub, or small tree to 6 m with a clear bo	
	tubular, orange.	
	Pan-Tropical.	
Cordia mon	<i>poica</i> Roxb.	Sangai GW EA15631
	Kaembeni-Dida. Tree, to 6 m, trunk smooth, leaves alm	ost round, highly scabrous on upper
	side, flowers greenish - white.	
	Pan-Tropical.	
Ehretia bak	eri Britten	Simpson BL 150
	A-S Brachystegia forest. Tree, to 3 m, young branches	glabrous, flowers white appearing
	before leaves, fruit orange - red.	
	Swahilian endemic.	
Heliotropiu	<i>m gorinii</i> Chiov.	Kuchar P 9964
-	Mida. Herb, to 1 m, densely pubescent, flowers white.	
	Somalia-Masai endemic+.	
Heliotropiu	<i>m steudneri</i> Vatke	Perdue RE & Kibuwa SP 10079
*	Mida. Herb, to 90 cm, flowers white, with yellow throa	
	Pan-African.	

Hilsenbergia	nemoralis (Gürke) J.S.Mill. (Ehretia litoralis Gürke)	s.r. (Thomas, 1988)
	'Arabuko-Sokoke'. Tree, to 5 m, leaves densely hairy above. Swahilian endemic.	
250		
Solanaceae		
Solanum inco	unum L.	s.r. (Thomas, 1988)
	subsp. incanum	
	'Arabuko Sokoke'. Herb, woody, to 1 m, with prickles, densely stellate - Pan-Tropical.	hairy, fruit yellow.
Solanum zan:	•	olhill R & Paulo S 850
	var. zanzibarense	
	Jilore. Herb, woody, to 1 m with prickles, leaves variously lobed, sparse racemose, fruit red or black. Swahilian endemic+.	ly hairy, flowers
251		
Convolvulac		
Evolvulus als	inoides (L.) L.	Rawlins S 741
	Jilore Forest Station. Herb, to 30 cm, leaves and stem hairy, flowers blue	2.
	Pan-Tropical.	
Ipomoea aqu		Simpson BL 281
	'Lake' Jilore. Herb, succulent, floating on water, flowers purple/white.	
Inomora aar	Pan-Tropical.	Simpson DI 90
Ipomoea gar		Simpson BL 80
_	Arabuko. Herb, erect or prostrate, flowers in dense heads, pink with pur Swahilian endemic.	-
Ipomoea irwi		Mwadime N 097
	Jilore Forest Station. Herb, climbing to 3 m, leaves palmately lobed, flow Swahilian endemic.	wers pink >6 cm.
Ipomoea pes-	caprae (L.) R.Br.	Van Someren s.n.
	subsp. pes-caprae	
	Mida Creek. Creeper on sand, forming mats, rooting at nodes, leaves fle flowers pink-purple. Pan-Tropical.	shy, emarginate,
Ipomoea ticc	-	& Robertson SA 2595
1	Mida. Creeper/twiner, stems 4 - angled, flowers white. Swahilian endemic.	
Iacauemonti	a ovalifolia (Choisy) Hallier f.	Simpson BL 278
Jucquemonui	'Lake' Jilore. Herb, prostrate, to 3 m, leaves fleshy, flowers bluish-white	•
	Pan-Tropical.	
Jacauemontio	<i>a tamnifolia</i> (L.) Griseb.	s.r. (Thomas, 1988)
<i>ucquement</i>	'Arabuko-Sokoke'. Herb, creeping or climbing, to 6 m, flowers blue. Pan-Tropical.	5.11 (1101140, 1900)
Xenostegia tr	<i>identata</i> (L.) D.F.Austin & Staples	s.r. (Thomas, 1988)
Menosiegia ii	(<i>Merremia tridentata</i> (L.) Hallier f.)	5.1. (Thomas, 1900)
	A-S <i>Brachystegia</i> forest pools. Herb, prostrate or climbing, to 2 m, leaves land	colate, flowers vellow.
	Pan-Tropical.	
(252)	······	
Orobanchac	eae	
Buchnera his	pida BuchHam. ex D.Don	s.r. (Thomas, 1988)
	'Arabuko-Sokoke'. Herb, erect, to 1 m, flowers purple or white. Pan-Tropical.	

Buchnera lept	ostachya Benth.	Luke WRQ. 3028
	Buchnera mossambicensis Klotzsch	
	Mida. Herb, erect, to 1 m, branching in upper part.	
	Pan-African.	
Striga gesneri	oides (Willd.) Vatke	Graham RM K1675
	Arabuko. Herb, hemi-parasitic (to roots of host), succulent, to 3	30 cm, leaves scale-like,
	flowers purple Pan-Tropical.	
	Tan Tropical.	
Linderniacea	e	
Craterostigma	newtonii (Engl.) Eb.Fisch., Schäferh. & al.	Polhill R & Paulo S 893
	(Lindernia newtonii Engl.)	
	'Arabuko-Sokoke'. Herb, to 40 cm, flowers purple/white.	
	Pan-Tropical.	
Torenia thoua	ersii (Cham. & Schltdl.) Kuntze	Graham RM 1704
	Arabuko. Herb, to 40 cm, stem 4 - angled, flowers purple/white	2.
	Pan-Tropical.	
254		
Lentibularia		
Utricularia ar		Polhill R & Paulo S 902
	Mida. Herb, to 20 cm, flowers pink/white.	
	Pan-Tropical.	
Utricularia re		Robertson SA 7262
	var. <i>reflexa</i>	
	Arabuko. Herb, aquatic, flowers yellow.	
	Pan-Tropical.	
257		
Bignoniaceae		
Kigelia africa		unningham-Van Someren GR 2
	subsp. <i>africana</i> Mida Creak Trea to 10 m branches spreading flowers vallow	stracked marcon fruit
	Mida Creek. Tree, to 10 m, branches spreading, flowers yellow sausage-shaped to 80 cm,	streaked maroon, nut
	Pan-African.	
Markhamia za		li W & Obunyali C. KEFRI303
	Mida Creek. Shrub, to 3.5 m, or small tree, flowers yellow with	
	Pan-African.	
258		
Pedaliaceae		
Sesamum caly	cinum Welw.	Graham RM 277
	subsp. calycinum	
	Arabuko. Herb, erect, to 2 m, leaves linear, flowers bell - shap	ed, pink/mauve.
	Pan-African.	
259, 263		
Acanthaceae		
Asystasia anse		bertson SA & Brummit R 6721
	Nature Reserve south boundary. Herb, 20 cm, flowers white an	d purple.
	Swahilian endemic+.	
Asystasia gan		bertson SA & Brummit R 6753
	Nature Reserve south boundary. Herb, to 1 m, weak stemmed,	flowers white with purple.
	Pan-Tropical.	

Avicennia marina (Forssk.) Vierh.	Kuchar P 9038
soil level, flowers white.	al zone (mangrove), with vertical breathing roots above
Pan-Tropical. Barleria repens Nees	Graham RM 2012
Mida. Shrub, to 4 m, scandent or clim	
Pan-African.	oling, nowers carmine.
Blepharis maderaspatensis (L.) B.Heyne ex Roth	Jeffery GW K304
Sokoke. Herb, woody, to 20 cm, flowe	•
Pan-Tropical.	
Crossandra pungens Lindau	Graham RM K2074
Sokoke. Herb, woody, to 40 cm, flowe	
Swahilian endemic.	
Ecbolium amplexicaule S.Moore	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Herb, woody to 1.2	2 m, flowers pale blue/green.
Swahilian endemic.	
Elytraria minor Dokosi	Jeffery JM K338
Sokoke. Herb, prostrate, lowest leaves Swahilian endemic.	pressed to ground at nodes, flowers white, infl. a spike.
Hygrophila schulli (BuchHam.) M.R.Almeida & S.	M.Almeida Simpson BL 141
(Hygrophila auriculata (Schumach.) H	eine)
'Arabuko-Sokoke'. Herb, to 1 m, infl.	with spines, flowers purple.
Pan-African.	
Hypoestes forskaolii (Vahl) R.Br.	Polhill R & Paulo S 880
subsp. <i>forskaolii</i>	
	ers white with lilac markings, held in glandular hairy
bracts.	
Pan-Tropical.	Lofform IM 12546
Justicia brevipila Hedrén 'Arabuko-Sokoke'. Herb, woody, to 9	Jeffery JM K546
Swahilian endemic. Vulnerable.	o chi, nowers phik.
Justicia capensis Thunb.	Robertson SA & Brummit R 6759
•	woody, flowers white/purple with herring bone pattern
on lower lip.	woody; nowers while pulpie with herring cone putern
Swahilian endemic+.	
Justicia exigua S.Moore	Luke WRQ & Robertson SA 2603
Nature Reserve west boundary. Herb,	to 40 cm, all parts pubescent.
Pan-African.	
Justicia inaequifolia Brummit	Luke WRQ 1940
Dida/Sokoke Nyari. Herb to 1 m, woo	dy, flowers white with purple markings.
Swahilian endemic.	
Lankesteria alba Lindau	s.r. (Robertson & Luke, 1993)
Forest Reserve south boundary. Herb, Swahilian endemic.	prostrate with upright stems to 25 cm, flowers white.
Monothecium aristatum (Nees.) T.Anderson	s.r. (Robertson & Luke, 1993)
'Arabuko-Sokoke'. Herb, woody, to 4	0 cm, flowers white, spotted brown.
Pan-Tropical.	
Phaulopsis gediensis Manktelow	Polhill R & Paulo S 882
	ading and much branched, flowers white, bracts narrow
at base.	
Swahilian endemic.	Dalbill D 0- David C 071
Ruellia patula Jacq.	Polhill R & Paulo S 871
Pan-Tropical.	branches rooting at nodes, flowers pink/mauve.

Sclerochiton v	vogelii (Nees.) T.Anderson	Verdcourt B 1185
	subsp. holstii (Lindau) Napper	
	Jilore. Shrub, to 1.5 m, flowers blue.	
	Pan-African.	
Trichaulax m	vasumbii Vollesen	Faden AB & AJ 71/800
	Mida-Jilore track. Herb, leaves maroon - coloured on underside.	
	Swahilian endemic.	
263		
Verbenaceae		
Lantana cama	ura L.	Simpson BL 213
	'Arabuko-Sokoke'. Shrub, to 2.5 m, stem with prickles, leaves serra	tted, flowers pink and purple.
	Pan-Tropical. (introduced/naturalized).	
Lantana vibur	noides (Forssk.) Vahl	Greenway PJ 10844
	'Arabuko-Sokoke'. Shrub, to 2.5 m, stem without prickles, flowe	-
	Pan-African.	ľ
Phyla nodiflor	ra (L.) Greene	Simpson BL 286
	'Lake' Jilore. Herb, prostrate, creeping, flowers pink/mauve.	F
	Pan-Tropical.	
Premna chrvs	oclada (Bojer) Gürke	Faden AB & AJ 74/1229
1 renuta chi ys	Mida-Jilore track. Shrub, to 1.5 m, branchlets densely pubescent yel	
	Swahilian endemic.	now, nowers greenish yenow.
Promna rosin		e WRQ & Robertson SA 2584
1 remma resind	subsp. <i>holstii</i> (Gürke) Verdc.	e who a Robertson SA 2504
	Mida. Shrub, scandent, to 2.5 m, corolla greenish yellow.	
	Swahilian endemic+.	
Vitan formusin		Laffary CW K152
vitex ferrugin	ea Bojer ex Schauer	Jeffery GW K152
	subsp. <i>amboniensis</i> (Gürke) Verdc.	
	'Arabuko-Sokoke'. Shrub, to 2 m, lateral leaflet stalked, glabrous	s above, petals purple.
• 7 • • • • • • •	Swahilian endemic+.	
Vitex strickeri	Vatke & Hildebr.	Graham RM 2328
	'Arabuko-Sokoke'. Shrub or climber, to 3 m, young branches ste	em square, terminal leaflet
	stalked, flowers white or dull yellow.	
259 (264)	Swahilian endemic.	
258 (264)		
Lamiaceae		
Cleroaenarun	-	. (Mutangah & Mwaura,1992)
	'Arabuko-Sokoke'. Herb, scrambling, to 3 m, with spine-like pet	tiole bases, flowers in
	terminal globose heads. Pan-African.	
Clana dan durun		Maggridge CM 129
Cieroaenarum	a robustum Kloztsch	Moggridge GM 138
	var. <i>ficherii</i> (Gürke) Verdc.	10
	'Arabuko-Sokoke'. Shrub, to 1 m, flowers white, corolla tube $>$	10 cm, scented.
	Swahilian endemic+.	
Endostemon g	racilis (Benth.) M.Ashby	Faden RB 71/655
	Mida-Jilore track. Herb, to 30 cm, flowers blue 3-4 per cyme.	
	Swahilian endemic+.	
Hoslundia opp		. (Mutangah & Mwaura,1992)
	'Arabuko-Sokoke'. Herb, to 1.5 m, flowers white, fruits bright o	orange berries.
_	Pan-Tropical.	
Leucas tsavoe		Brenan JPM et al. 14677
	var. kilifiensis Sebald	
	Arabuko. Herb, spreading, to 20 cm, corolla and filaments white	, anthers red.
	Swahilian endemic.	

Ocimum basilicum L.	s.r. (Thomas, 1988)
'Arabuko-Sokoke'. Herb, erect, to 80 cm, aromatic, flow	wers white or pale purple.
Pan-Tropical.	
Ocimum filamentosum Forssk.	Bock K EA16 686
Nature Reserve. Herb, woody, to 40 cm, flowers pink/m	nauve, stamens twice length of corolla.
Pan-Tropical.	
Ocimum obovatum E.Mey. ex Benth.	s.r. (Mutangah & Mwaura, 1992)
(Becium obovatum E.Mey ex Benth. N.E.Br.)	s.r. (Mutungun & Miwaara, 1992)
'Arabuko-Sokoke'. Herb, to 30 cm, from woody root, fl	owers white to nale manye
Pan-African.	lowers white to pale mauve.
	Circura DI 200
Orthosiphon parvifolius Vatke	Simpson BL 366
Dida. Herb, erect, much branched, flowers purple.	
Swahilian endemic+.	
Plectranthus aegyptiacus (Forssk.) C.Chr.	Simpson BL 382
A-S Brachystegia forest. Herb, to 1.2 m, trailing, succul	lent, flowers white with purple on
upper lobe.	
Swahilian endemic+.	
Plectranthus amboinicus (Lour.) Spreng.	Luke WRQ & Robertson SA 2617
Forest Reserve west side. Herb, to 30 cm, succulent, flo	wers pink, upper calyx lobe extended.
Pan-Tropical.	
Plectranthus flaccidus (Vatke) Gürke	Luke WRQ & Robertson SA 2585
Mida. Herb, to 40 cm, flowers deep blue.	
Swahilian endemic+.	
Plectranthus lasianthus (Gürke) Vollesen	Robertson SA & Luke WRQ 6507
(Plectranthus tetensis (Baker) Agnew)	
'Arabuko-Sokoke'. Herb, succulent, flowers deep purple	in spikes to 30 cm
Swahilian endemic.	
Plectranthus longipes Baker	Robertson SA 6475
'Arabuko-Sokoke'. Herb, to 30 cm, flowers purple/pink	
Pan-African.	
	Maggridge CM 174
Rotheca microphylla (Blume) Callm. & Phillipson	Moggridge GM 174
(Clerodendrum incisum Klotzsch)	
Arabuko-Sokoke. Shrub, to 1.6 m, leaves toothed, corol	la tube shaped like musical note
symbol.	
Swahilian endemic.	
Tinnea aethiopica Kotschy ex Hook.f.	Williams JG EAH12549
subsp. litoralis Vollesen	
'Arabuko-Sokoke'. Shrub, to 1.5 m, flowers maroon.	
Swahilian endemic+.	
Volkameria acerbiana Vis.	Sangai GW EA15596
(Clerodendrum acerbianum (Vis.) Benth. & Hook.f.)	
Jilore / Kakuyuni. Shrub, erect or scrambling, densely p	ubescent/tomentose, flowers white in
lateral and terminal clusters.	
Swahilian endemic+.	
Volkameria glabra (E.Mey.) Mabb. & Y.W.Yuan	Graham RM 2077
(Clerodendrum glabrum E. May)	
Mida. Shrub or small tree, leaves in whorls of three, flow	wers white.
Pan-African.	
266	
Hydrocharitaceae	
Lagarosiphon cordofanus Hochst. ex Casp.	Robertson SA 7261
Kararacha pools. Herb, aquatic, leaves linear, in whorls,	
Pan-African.	, nowers white.

Commelinac	eae	
Aneilema aeq	uinoctiale (P.Beauv.) G.Don	Moggridge GM 146
	Sokoke. Herb, to1 m, scrambling, scabrid, flowers yellow.	
	Pan-African.	
Aneilema clar	kei Rendle	Simpson BL 146
	'Arabuko-Sokoke'. Herb, creeper, rooting at nodes, flowers purp	ple.
	Swahilian endemic.	
Aneilema pete	ersii (Hassk.) C.B.Clarke	Graham RM 1848
	subsp. <i>petersii</i>	
	Nature Reserve. Herb, trailing, 1.5 m, leaves scabrid, flowers li	lac.
	Swahilian endemic+.	
Aneilema suc	culentum Faden Rob	ertson SA & Luke WRQ 6447
	Nature Reserve. Herb, trailing, leaves scabrid.	
	Swahilian endemic.	
Commelina aj	fricana L.	s.r. (Thomas, 1988)
-	subsp. africana	
	'Arabuko-Sokoke'. Herb, more or less prostrate, to 40 cm, flow	ers yellow, 8 mm across.
	Pan-African.	-
Commelina b	enghalensis L	s.r. (Robertson & Luke, 1993)
	'Arabuko- Sokoke'. Herb, prostrate, sheaths hairy, flowers brigh	
	Pan-Tropical. (Introduced).	
Commelina bi	racteosa Hassk.	Rawlins SP T56
	Jilore-Pahali peupe. Herb, trailing, flowers blue.	
	Pan-African.	
Commelina fo		RB & AJ Faden 74/1249
5	'Arabuko-Sokoke'. Herb, succulent, decumbent, rooting at nodes	
	Pan-Tropical.	-,
Commelina in	nberbis Ehrenb. ex Hassk.	s.r. (Thomas, 1988)
	'Arabuko-Sokoke'. Herb, prostrate, rooting at nodes, flowers blu	
	Pan-African.	
Cvanotis foec		s.r. (Robertson & Luke, 1993)
- <i>j</i>	'Arabuko-Sokoke'. Herb, perennial, rhizomatous, to 60 cm, leav	
	with yellow anthers.	
	Pan-African.	
Murdannia si	mplex (Vahl) Brenan	Beentje H 2288
	Nature Reserve. Herb, erect to 50 cm, flowers mauve 15 mm act	ross.
	Pan-African.	
281		
Flagellariace	ae	
Flagellaria gi	uineensis Schumach.	Ndakala J 351
0 0	Mida Creek. Herb, climber to 10 m, infl. white, fruit red.	
	Pan-African.	
283		
Xyridaceae		
Xyris congens	is Büttner	s.r. (Robertson & Luke, 1993)
	(Xyris capensis Baker)	
	'Arabuko-Sokoke'. Herb, to 30 cm, forms clumps, flowers yello	w on leafless peduncle.
	Pan-Tropical.	

Asparagaceae	
Asparagus africanus Lam.	Graham RM 1590
Arabuko. Herb, climbing, woody, glabrous, roo	ots swollen, branches with spines, fruit orange.
Pan-Tropical.	
Asparagus falcatus L.	Bjornstad 211.
Mida Creek. Herb, climbing, woody, glabrous,	with recurved spines, leaves sickle shaped,
flowers white, fruit a red berry.	
Pan-African.	
Asparagus humilis Engl.	Luke WRQ 3029
Mida. Herb, woody, to 50 cm, erect or prostrat	te, branches grooved, glabrous, without spines.
Swahilian endemic.	
Asparagus setaceus (Kunth) Jessop	Robertson SA, Luke WRQ & Awimbo J 5251
Kararacha. Shrub, climbing, to 8 m, branches g	grooved, with spines, flowers solitary, white,
fruit a red berry.	
Pan-African.	
Chlorophytum cameronii (Baker) Kativu	Battiscombe K 771
Sokoke. Herb, tufted, to 1m, peduncle flattened	l, flower pink/white, favours swamps.
Pan-African.	
Chlorophytum laxum R.Br.	s.r. (Robertson & Luke, 1993).
'Arabuko Sokoke'. Herb, to 20 cm, rhizomatou	is, leaves linear, striped white/yellow, flowers
white, star-shaped.	
Pan-Tropical.	
Chlorophytum suffruticosum Baker	s.r. (Robertson & Luke, 1993)
(Anthericum suffruticosum (Baker) Milne-Redh.)
'Arabuko-Sokoke'. Herb, erect, to 50 cm, leave	es grass-like, at tips of branches, flowers white,
star-shaped.	
Swahilian endemic+.	
Drimia altissima (L.f.) Ker Gawl.	Jeffery GW K293
Sokoke. Herb, bulbous, leaves forming rosette, f	flowering stem to 2 m, infl. a terminal raceme.
Pan-African.	
Sansevieria arborescens Cornu ex Gérôme & Labroy	Ngwiri SN & Newton L 5884
'Arabuko Sokoke'. Shrub, semi - succulent, to	1.2 m, leaves 'disorderly', infl. a panicle.
Swahilian endemic.	
Sansevieria conspicua N.E.Br.	Graham RM 2060
Mida. Herb, to 50 cm, semi - succulent, with a	erial rhizome, flowers white, in spike.
Pan-African.	
Sansevieria forskaliana (Schult.f.) Hepper & J.R.I.Wood	s.r. (Mutangah & Mwaura, 1992)
	vith succulent, erect, rigid leaves from rhizome.
Pan-African.	
Sansevieria gracilis N.E.Br.	Sangai GW EA15633
Kaembeni-Dida. Herb, to 30 cm, semi-succuler	-
Swahilian endemic+.	
Vera-duthiea macrocarpa (Stedje) Speta	Luke WRQ & Robertson SA 2592
(Drimia macrocarpa Stedje)	
Mida. Herb, to 60 cm, bulbous, flowers white/l	heige
Swahilian endemic+.	ocige.
Swamman endemle + .	
Colchicaceae	
Gloriosa superba L.	Kuchar P 9992
var. superba	

Mida Creek. Herb, climbing, to 3 m from tuberous root, tendrils at leaf tip, flowers brilliant flame-like yellow/orange. Pan-Tropical.

Araceae	
Gonatopus boivinii (Decne.) Engl.	Moreau H 24/40
Sokoke. Herb, to 1.2 m, leaf solitary, stalk with swelling n	nid-way.
Pan-African.	
Gonatopus marattioides (Peter) Bogner	Luke WRQ & Robertson SA 2237
'Arabuko Sokoke'. Herb, tuberous, to 20 cm, leaf bipinnate Swahilian endemic. Endangered.	ely compound.
Gonatopus petiolulatus (Peter) Bogner	Luke WRQ & Robertson SA 2170
Dida/Sokoke Nyari. Herb, to 20 cm, leaves pinnate.	
Swahilian endemic. Vulnerable.	
Stylochaeton salaamicus N.E.Br.	Beentje H 2322
Mida-Jilore Track. Herb, to 25 cm, lower part of leaf blade	e concave.
Swahilian endemic+.	
311	
Dioscoreaceae	
Dioscorea asteriscus Burkill	Graham RM 1909
Jilore. Liana, to 3 m, leaves heart-shaped, alternating on flo purplish/brown, semi-discoid. Pan-African.	owering shoots, bulbils
Dioscorea buchananii Benth.	s.r. (Mutangah & Mwaura, 1992)
'Arabuko-Sokoke'. Liana, to 9 m, from woody tuber, leave bulbils absent. Pan-African.	es heart-shaped or triangular,
321	
Taccaceae	
Tacca leontopetaloides (L.) Kuntze	Simpson BL 365
'Arabuko-Sokoke'. Herb, to 1 m, from tuberous rhizome, f mane. Pan-Tropical.	1
326	
Orchidaceae	
Aerangis kirkii (Rchb.f.) Schltr.	Robertson SA 6452
'Arabuko-Sokoke'. Herb, epiphytic, leaves to 15 cm, flowe Swahilian endemic+.	
Bonatea rabaiensis (Rendle) Rolfe	Jeffery GW 238 (cited in FTEA)
Sokoke. Herb, terrestrial, to 50 cm, stem erect leafy, infl. 3 Swahilian endemic.	3-7 flowers, green and white.
Bulbophyllum maximum (Lindl.) Rchb. f.	Perdue RE & Kibuwa SP 10121
Jilore. Herb, epiphytic, infl. to 40 cm flattened >2 cm wid Pan-African.	
Bulbophyllum scaberulum (Rolfe) Bolus	Luke WRQ & Robertson SA 2621
Sokoke. Herb, epiphytic, infl. <20 cm, flowers maroon. Pan-African.	
Cyrtorchis arcuata (Lindl.) Schltr.	s.r. (Robertson & Luke, 1993)
subsp. arcuata	
'Arabuko-Sokoke'. Herb, epiphytic, clump forming, leaves yellow, star-shaped, scented. Pan-African.	neshy, nowers cream fading to
Eulophia taitensis P.J.Cribb & Pfennig	s.r. (Mutangah & Mwaura, 1992)
'Arabuko-Sokoke'. Herb, terrestrial, to 1 m, leaves linear f Pan-African.	leshy, flowers yellow-green.

Habenaria arn	natissima Rchb.f.	Jeffery GW 247 (cited in FTEA)
	'Arabuko-Sokoke'. Herb, terrestrial to 70	cm, stem erect & stout, basal leaves (2) flat on
	ground, flowers white.	
	Pan-African.	
Habenaria tril	obulata Schltr.	Robertson SA 7197
		leaves (2) flat on ground, flowers pale green.
	Swahilian endemic+.	leares (2) that on ground, nowers pure green.
Microcoelia ap	phylla (Thouars) Summerh.	Graham RM 1637
_	(Solenangis aphylla (Thouars) Summerh.)	
		40 cm, leafless, flowers white with red-brown markings.
	Pan-Tropical.	, , ,
Microcoelia ex	*	Faden RB, Evans TM & Rathbun G 71/683
	Jilore track. Herb, epiphytic, leafless, flow	
	Pan-African.	ers 5 mm, white, in spikes.
		Doontio II 2200
	nithii (Rolfe) Summerh.	Beentje H 2309
	Nature Reserve. Herb, epiphytic, flowers t	o 4 mm, cream/green.
	Swahilian endemic.	
	oncreta (Jacq.) Garay & H.R.Sweet	Robertson SA 6970
	(Polystachya tessellata Lindl.)	
	A-S Brachystegia forest. Herb, epiphytic,	flowers yellow, fragrant.
	Pan-African.	
Solenangis wa	kefieldii (Rolfe) P.J.Cribb & J.Stewart	s.r. (Robertson & Luke, 1993)
Ũ	'Arabuko-Sokoke'. Herb, epiphytic, stem	to 1 m with climbing roots, leaves set widely apart,
	bilobed at apex, flowers white, fragrant.	
	Swahilian endemic+.	
	uudata (Lindl.) Schltr.	s.r. (Robertson & Luke, 1993)
•		80 cm unbranched, leaves leathery, flowers yellow.
	Pan-African.	to the unstationed, leaves leadery, nowers years.
Vanilla rosche		s.r. (Robertson & Luke, 1993)
	'Arabuko Sokoke'. Herb, epiphytic, stem	cymuncar, nowers white with plink throat.
	Swahilian endemic+.	
331		
Cyperaceae		
Abildgaardia t	riflora (L.) Abeyw.	Robertson SA, Stirton CH & Schrire BD 7004
	(Fimbristylis triflora (L.) K.Schum.)	
	Mida Creek. Herb, clumpy, stems to 1 m,	2-5 spikelets.
	Pan-African.	
Bulbostylis boe	eckeleriana (Schweinf.) Beetle	Boyle B 128
5	var. transiens (K.Schum.) R.W.Haines	,
	'Arabuko-Sokoke'. Herb, to 70 cm, rhizor	natous growing in tufts
	Pan-African.	intous, growing in tarts.
Cyperus betafe		Faden RB, Evans RB & Rathbun G 71/646
	Kararacha. Herb, to 15 cm, with large spil	celets in rounded clusters.
	Pan-Tropical.	
Cyperus exalta		Simpson BL 285
	'Lake' Jilore. Herb, to 1.5 m, forms tusso	cks, favours shallow water.
	Pan-Tropical.	
Cyperus luteus	Boeckeler	Trump EC 142
	Sokoke. Herb, to 40 cm.	
	Pan-African.	
Cyperus zolling	geri Steud.	Faden RB, Evans RB & Rathbun G 71/645
	Mida-Jilore track. Herb, to 20 cm.	,
	Pan-Tropical.	
	1	

Fimbristylis polytrichoides (Retz.) Vahl	Robertson SA 3404		
Mida Creek. Herb, tufted.			
Swahilian endemic.			
Mariscus amomodorus (K.Schum.) Cufod.	Simpson BL 107		
(Cyperus mollipes (C.B.Clarke) K.Schum.)	I. I. I. I.		
A-S <i>Brachystegia</i> forest. Herb, to 50 cm, growing in tufts.			
Pan-African.			
Pycreus hildebrandtii (K.Schum.) C.B.Clarke	Simpson BL 362		
Mida Creek. Herb, to 40 cm, infl. spreading, growing on water's edge.	Shinpson DE 302		
Pan-Tropical.			
Pycreus polystachyos (Rottb.) P.Beauv. Robertson SA, Stirton (CU & Sabrira DD 7002		
	ch a schine bD 7003		
var. <i>polystachyos</i> . Mida Creek. Herb, to 60 cm, spikes open, corymbose or umbellate, red	brown		
	-010w11.		
Pan-Tropical.			
332 D			
Poaceae (Gramineae)	T 1 111 1010		
Brachiaria deflexa (Schumach.) C.E.Hubb. ex Robyns	Taylor HJ 1213		
Sokoke. Herb, to 45 cm, leaves along the stem, infl. of racemes with pa	ured spikelets		
Pan-Tropical.			
	Faden RB & AJ 71/757		
Sokoke Forest Station. Herb, to 75 cm, stems wiry, infl. of racemes.			
Pan-African.			
	B & Rathbun G 71/690		
Mida-Jilore track. Herb, to 60 cm, tufted, infl. often axillary.			
Swahilian endemic.			
Cenchrus mitis Andersson	s.r. (Thomas, 1988)		
A-S Brachystegia forest pools. Herb, to 60 cm, panicle to 18 cm.			
Swahilian endemic+.			
Cenchrus polystachios (L.) Morrone	Bogdan A AB 4719		
(Pennisetum polystachion (L.) Schult.)			
'Arabuko-Sokoke'. Herb, to 1.5 m, panicles to 25 cm long.			
Pan-Tropical.			
Cynodon dactylon (L.) Pers.	s.r. (Thomas, 1988)		
'Arabuko Sokoke'. Herb, prostrate, with stolons/rhizomes, forms mats.			
Pan-Tropical.			
Dactyloctenium aegyptium (L.) Willd.	Taylor HJ 1217		
Sokoke. Herb, to 45 cm, spikes radiate at tip of stem, 'crow's feet'.	5		
Pan-Tropical.			
Digitaria argyrotricha (Andersson) Chiov.	Simpson BL 256		
'Arabuko-Sokoke'. Herb, to 70 cm, rooting from lower nodes, infl of 3-	-		
Pan-African.			
Digitaria milanjiana (Rendle) Stapf	Moggridge GM 1480		
Sokoke. Herb, to 1.5 m.			
Pan-African.			
Echinochloa haploclada (Stapf) Stapf	Simpson BL 252		
A-S <i>Brachystegia</i> forest pools. Herb, to 1.5 m, spikelets purplish.	5111p3011 BL 252		
Pan-African.			
	Sangai CW EA 15940		
Eleusine indica (L.) Gaertn.	Sangai GW EA15849		
Kakuyuni. Herb, to 50 cm, clumpy with tough root system.			
Pan-Tropical.			
Enteropogon sechellensis (Baker) T.Durand & Schinz	Greenway PG 10835		
'Arabuko-Sokoke'. Herb, to 1 m, tussocky, stems wiry, sheaths laterally	y compressed.		
Swahilian endemic+.			

Eragrostis ciliaris (L.) R.Br.	Kuchar P 10003
Mida Creek. Herb, to 40 cm, tufted.	
Pan-Tropical.	
Eragrostis superba Peyr.	Simpson BL 376
A-S mixed forest pools. Herb, to 1 m, tufted, spikelets large, s	greenish purple.
Pan-African.	
Eragrostis tenella (L.) P.Beauv. ex Roem. & Schult.	Bogdan A 4717
var. tenella	-
Gede. Herb, to 30 cm, panicle loose, to 7 cm.	
Pan-African.	
Harpachne schimperi Hochst. ex A.Rich.	obertson SA & Luke WRQ 6106
Forest Reserve western boundary. Herb, to 40 cm, tufted, pan	
Pan-African.	
Megastachya mucronata (Poir.) P.Beauv.	Kirika P et al. 04/13/2008
Arabuko. Herb, to 1.2 m, leaf blades lanceolate, veins laterally	
Pan-Tropical.	
Panicum laticomum Nees	Langridge WB 702
Sokoke. Herb, to 1 m, culms ascending.	0 0
Swahilian endemic+.	
Perotis hildebrandtii Mez	Greenway PJ 10834
'Arabuko-Sokoke'. Herb, to 30 cm, in loose tufts, spikelets loo	ose spreading horizontally.
Pan-Tropical.	
Sacciolepis curvata (L.) Chase	Kirika P et al. NMK750
Jilore. Herb, to 45 cm, branched below, culms very slender, w	
Pan-Tropical.	
Sporobolus apiculatus Boechat & Longhi-Wagner	Bogdan A AB4707
Mida Creek. Herb, tufted.	C
Pan-Tropical (introduced).	
Sporobolus stolzii Mez	Boyle B 127
Jilore Track. Herb, to 60 cm, loosely tufted.	-
Pan-African.	
Urochloa maxima (Jacq.) R.D. Webster	Cock MJW 016
(Panicum maximum Jacq.)	
'Arabuko-Sokoke'. Herb, to 2 m, with open panicle to 60 cm.	
Pan-African.	