

Tanzania Coastal Forest Research Programme

**Checklist of the Vascular Plants from 13 Coastal
Forests in Tanzania**

G. P. Clarke

July 1995

**SOCIETY FOR ENVIRONMENTAL EXPLORATION
AND
THE UNIVERSITY OF DAR ES SALAAM**

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The Society and the University have been conducting collaborative research into environmental issues since July 1989, under the title of the Frontier Tanzania Project. The Project has to-date involved over 500 people from both Tanzania and overseas. Field research is being undertaken on a variety of habitats in Tanzania's coastal zone, chosen for their high biological interest and conservation value. Habitats under study include mangroves, coral reefs, coastal forests and savanna. The projects have been developed with the assistance and collaboration of Regional and District Authorities, the Ministry of Tourism, Natural Resources and Environment, Tanzania National Parks and Tanzania Fisheries Research Institute. The findings of the Project are summarised in a series of reports published by the University of Dar es Salaam. More formal scientific papers resulting from research are published in appropriate journals thus ensuring wide dissemination of the information.

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The Coastal Forests Research Programme

The coastal forests of Tanzania comprise small and geographically isolated forest remnants supporting large numbers of endemic and near-endemic plants and animals. The forests were once extensive but have been largely removed to provide timber and farmland. Their status, distribution and biological character were extremely poorly known. The Frontier-Tanzania Coastal Forest Research Programme was formed in 1989 with the aim of surveying these forests and describing their conservation importance. To date over 70 sites have been identified of which 15 have been studied in depth. For each study site the project produces vegetation maps, species lists of the plants, vertebrates and invertebrates, and studies of the ecology of key species. It is intended this information be used in the production of management plans to secure the sustainable future development of Tanzania's coastal forests.

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Foreword to the Frontier Tanzania series of reports.

Global concern over the conservation of the world's biological diversity reached a new peak in June 1992, when many of the world's Heads of State signed the Biodiversity Convention in Rio de Janeiro at the Earth Summit (UNCED).

However, an accurate knowledge of the earth's biological richness is lacking in many countries. Without detailed information on the flora and fauna of a region its importance for the conservation of biological diversity remain undefined.

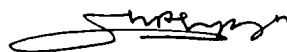
In Africa there are many areas of exceptional biological richness which have scarcely been studied. Even basic data on the status of resources may be lacking or outdated.

The Frontier-Tanzania project, a collaborative venture of the Society for Environmental Exploration and the Faculty of Science of the University of Dar es Salaam is tackling this problem head on.

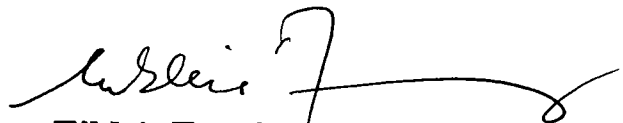
In 1989 Tanzanian scientists identified ecosystems in coastal Tanzania which were in particular need of study because of their biological richness and importance. Since that time, the Frontier-Tanzania project has provided the means and the man-power to investigate these sites, catalogue their importance and suggest management strategies for their conservation. Coastal monsoon forests, the coral reefs of Mafia Island, the mangroves and sediments of the Rufiji Delta, and the vegetation of the Mikumi National Park have been investigated over the past three years.

All of these projects have generated large quantities of new data on the biological importance of the sites and their place alongside similar systems elsewhere in Africa. This research has allowed biological-diversity priorities to be better determined and management actions to be suggested. Many of the recommendations are under consideration by the Tanzanian Government.

This report series forms a contribution to the Frontier-Tanzania project and to the knowledge of the biological diversity of Tanzania. We warmly endorse its publication and hope that many more reports and papers result from this collaborative project, and that they help to assure that the future of the biological heritage of these strategic sites is conserved.



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INTRODUCTION

This document was compiled during October 1991 to July 1992 with the initial aim of producing a preliminary annotated species list of the vascular plants of the Coastal Forests of Tanzania, to provide a quick reference of the distribution and growth form of these plants for the benefit of ecologists and botanists working in these forests.

At that time knowledge of the Coastal Forests was very much less than it is now, and it was largely as a result of this work that it became apparent that, a) the Coastal Forests extend beyond White's Zanzibar-Inhambane regional mosaic, and, b) the size of the Coastal Forest flora is very much greater than was initially recognized.

In the last few years a number of other documents have been published which greatly increase our knowledge of the Coastal Forest flora, in particular the work of Robertson & Luke (1993) and Vollesen & Bidgood (1991). This document can be considered to be complimentary to these lists, and together they illustrate the need for a complete and detailed synthesis of an annotated Coastal Forest flora.

KEY TO THE SPECIES ANNOTATIONS

Column 1 : Plant Growth Form (PGF)

H	=	Herb
S	=	Shrub
B	=	Bush
C	=	Climber
L	=	Liana
T	=	Tree
G	=	Grass
ST	=	Small Tree

Column 2 : Habitat (HAB)

F	=	Forest
RF	=	Riverine Forest
FE	=	Forest Edge
WE Forest	=	Wet Evergreen Forest
W	=	Woodland
B	=	Bushland
T	=	Thicket
G	=	Grassland
S	=	Swamp and areas with high groundwater
Wa	=	Wasteland & Cultivation
R	=	Rocky habitats

Column 3 : Phytogeographical Distribution (DIS)

Z-I	=	Zanzibar-Inhambane Regional Mosaic
ZA	=	Zambesian Regional Centre of Endemism
AM	=	Afromontane Archipelago-like Centre of Endemism
G-C	=	Guinea-Congolia Regional Centre of Endemism
T-P	=	Tongaland-Pondoland Regional Mosaic
L-V	=	Lake Victoria Regional Mosaic
S-M	=	Somalia-Masai Regional Centre of Endemism
SUD	=	Sudanian Regional Centre of Endemism
KALA	=	Kalahari-Highveld Regional Transition Zone
MAD	=	Madagascar and/or Mascarene Phytogeographical Units

Widespread distributions are left blank.

Phytogeographical Units follow F.White (1983) The vegetation of Africa
UNESCO, Paris.

Local distributions follow Milne-Redhill et al (1952) The Flora of Tropical East Africa

SPECIES LISTS

ACANTHACEAE	PGF	HAB	DIS
<u>Asystasia gangetica</u> (L) Anders (syn <u>A. multiflora</u>)	H	Not forest, G, Wa	n/a
<u>Barleria</u> sp aff <u>amaniensis</u> Lindau	n/a	FE, S, Wa	Z-I Near End
<u>Blepharis affinis</u> Lindau	H	F, RF, W, B, G	Z-I Near End
<u>Barleria holstii</u> Lindau	H	F, B, T	Z-I, Za, AM Near End
<u>Chlamydacanthus lindavianus</u> H. Winkl.	S	FE, Wa	Z-I Near End
<u>Dicliptera lingulata</u> C.B. Clarke	n/a	Possibly the <u>D.</u> sp. nov from the Selous 30	
<u>Dicliptera mossambicensis</u> Klotzsch	H	F, RF, T, Wa	Z-I Near End
<u>Ecbolium amplexicaule</u> S. Moore (syn <u>E. auriculatum</u>)	H	F, T	n/a
<u>Ecbolium umbrossus</u> = <u>Megaloclamys mwasumbii</u> ??	n/a	n/a	n/a
<u>Elytraria acaulis</u> (L.f.) Lindau	H	Forest only	n/a
<u>Elytraria minor</u> Dokosi	n/a	n/a	n/a
<u>Hypoestes forskalii</u> (Vahl) R. Br.	S, B, H	FE, B, G	n/a
<u>Justicia fittonioides</u> S. Moore	H	F, RF, T	Z-I Near End
<u>Justicia inaequifolia</u> Brummit	n/a	F, B	Z-I Near End
<u>Justicia nyassana</u> Lindau	H	F, RF, FE, W, S, W a	A-M, ZA
<u>Justicia pseudorungia</u> Lindau	n/a	T, S, H, F, B, G	Z-I, A-M
<u>Justicia sansibariensis</u> Lindau	H	Thicket only ?	Z-I Endemic to islands ?
<u>Justicia stachytarpheloides</u> (Lindau) C.B. Clarke	S	F, RF, T, S	Z-I Near End
<u>Justicia striata</u> (Klotzsch) Bullock (= <u>J. insularis</u> ?)	H	Forest only	Z-I, A-M or wide tropical Afr ??
<u>Lankesteria alba</u> Lindau	H	Forest only	Z-I Near End.
<u>Lepidagathis alopecuroides</u> (Vahl) Griseb.	n/a	n/a	Guinean only? No spec. UDSM
<u>Megalochlamys mwasumbii</u> Vollesen, ined	n/a	Forest only	Z-I Endemic.
<u>Mellera lobulata</u> S. Moore	S, H	Forest only	Z-I, AM, ZA, G-C, Sud
<u>Nelsonia canescens</u> (Lam.) Spreng.	H	Forest only	n/a
<u>Phaulopsis imbricata</u> (Forssk.) Sweet	H	F, FE, W, S	n/a
<u>Pseuderanthemum hildebrandtii</u> Lindau	S, B, H	F, RF, T, S	Z-I, A-M
<u>Pseuderanthemum tunicatum</u> (Afzel.) Milne-Redh.	H	F, T, S	n/a
<u>Rhinacanthus gracilis</u> Klotzsch	H	FE, W, B, T	S-M, ZA, Z-I
<u>Rhinacanthus virens</u> (Nees) Milne-Redh.	?	?	No specimen UDSM.
<u>Ruellia patula</u> Jacq.	H	RF, B, G, Wa	n/a
<u>Ruspolia seticalyx</u> (C.B. Clarke) Milne-Redh.	S, H	Forest only	ZA, G-C, S-M
<u>Sclerochiton boivinii</u> (Baillon) C.B. Clarke	S	Forest only	Z-I, AM Near End. to K7, T3
<u>Sclerochiton coeruleus</u> (Lindau) S. Moore	S	Forest only	Z-I Near End. (inc. Moz. & Zim)
<u>Sclerochiton insignis</u> (Mildbr.) Vollesen	S	Forest only	Z-I Endemic to T8 Only collected twice

<u>Sclerochiton kirkii</u> (t. Anderson) C.B. Clarke	T,S	F,W	Z-I Near End. (inc Zim.)
<u>Sclerochiton tanzaniensis</u> Vollesen	S	F,RF,T	Z-I,AM
<u>Sclerochiton vogelii</u> (nees) T. Anders	S	F,W,T	Z-I,G-C iso. pop.
ssp. <u>holstii</u> (Lindau) Napper	S	F,W,T	End. ssp. Z-I, Guinea, Congo.
<u>Thunbergia alata</u> Sims	C,H	Not Forest	n/a
<u>Thunbergia heterochondros</u> (Mildbr.) Napper	C,H	Forest only	Z-I Endemic to T6,8 0-200m
<u>Thunbergia kirkii</u> Hook. f.	H	Forest only	Z-I Near End
<u>Whitfieldia stuhlmannii</u> (Lindau) C.B. Clarke	S	Forest only	Z-I,G-C,L-V

AMARANTHACEAE	PGF	HAB	DIS
<u>Achyranthes aspera</u> L.	H	F,W,B,T,Wa	n/a
<u>Aerva lanata</u> (L.) Schultes	H	F,FE,W,B,T,Wa	n/a
<u>Amaranthus dubius</u> Thell.	H	FE,Wa	Introduced.
<u>Celosia hastata</u> Lopr.	H	FE,W,B	Z-I Near End. (K7,T3,6)
<u>Celosia schweinfurthiana</u> Schinz	C,H	Forest only	S-M,Z-I,ZA,AM,L-V
<u>Celosia trigyna</u> L.	H	FE,W	n/a
<u>Psilotrichum cyanthuloides</u> Suesseng & Launert	H	Not forest,G	Z-I Near End.
<u>Psilotrichum fallax</u>	H	Forest only	
<u>Psilotrichum scleranthum</u> Thwaites	H	FE	ZA,Z-I,MAD,Deccan.
<u>Psilotrichum vollesenii</u> C.C. Townsend	H	Thicket only	Z-I Endemic to T8
<u>Pupalia lappacea</u> (L.) Juss.	C,H	FE,B,G	n/a

AMARYLLIDACEAE	PGF	HAB	DIS
<u>Scadoxus multiflorus</u> (Martyn.) Raf.	H	F,W,G	n/a

ANACARDIACEAE	PGF	HAB	DIS
<u>Anacardium occidentale</u> L.	T	Not forest	n/a
<u>Lanea antiscorbutica</u> (Hiern) Engl.	T,S	Not forest,W,T	Only recorded Selous for TZ.
<u>Lanea schweinfurthii</u> (Engl.) Engl.	T,S	F,W,B	Z-I,ZA,Sud
var. <u>stuhlmannii</u> (Engl.) Kokwaro	n/a	n/a	n/a
<u>Mangifera indica</u> L.	T	Cultivation	Naturalised.
<u>Ozoroa obovata</u> (syn. <u>O. mucronata</u>)	T,S	F,B,T	Z-I,T-P
<u>Rhus longipes</u> Engl.	T,S	F,FE,B	S-M,ZA,AM,Z-I
<u>Sclerocarya birrea</u> (A. Rich.) Hochst.	T	Not forest	n/a
ssp. <u>caffra</u> (Sond.) Kokwaro	n/a	n/a	n/a
<u>Sorindea madagascariensis</u> DC.	T	Forest only	Z-I & inland.

ANNONACEAE	PGF	HAB	DIS
<u>Annona senegalensis</u> Pers.	T,S	F,W,T,G	n/a
<u>Artabotrys modestus</u> Diels	L,S	F,W,T,G	Z-I Near End.
<u>Artabotrys</u> sp. aff. <u>brachypetalus</u> Benth.	T,L	RF,W,T	ZA & T8
<u>Asteranthe asterias</u> (S. Moore)Engl. & Diels	T,S	F,B,T	Z-I Near End.
<u>Asteranthe lutea</u> Vollesen	S	RF	Z-I Endemic to T6,Z 3rd collection ?

<i>Isolona heinsenii</i> Engl. & Diels	T,S	Forest only	AM Near End. 800-960m FTEA
<i>Lettowianthus stellatus</i> Diels	T,S	F,RF,W	Z-I Near End. T3,6,8,K7
<i>Melodorum gracile</i> (Engl. & Diels) Verdc.	T,S,L	RF,W,B	Z-I Near End.
<i>Mkilua fragrans</i> Verdc.	T,S	Forest only	Z-I Near End. Endemic monospecific genus.
<i>Monanthotaxis buchananii</i> (Engl.) Verdc.	T,L,S	F,RF,B,T,G	Z-I,ZA,G-C,L-V,S-M
<i>Monanthotaxis fornicata</i> (Baill.) Verdc.	T,C,S	F,W,B,T	Z-I Near End.
<i>Monanthotaxis trichocarpa</i> (Engl. & Diels) Verdc.	L,S	Forest only	Z-I Near End.
<i>Monodora grandidieri</i> Baill.	T,S	F,B,T,G	Z-I Near End.
<i>Monodora junodii</i> Engl. & Diels	T,S	F,W	AM, also ZA
<i>Monodora minor</i> Engl. & Diels	S	Not forest ??	Z-I Near End.
<i>Ophrypetalum odoratum</i> Diels	T,S	F,W	Z-I Near End.
<i>Polyalthia stuhlmannii</i> (Engl.) Verdc.	S	Forest only	Z-I Near End.
<i>Toussaintia orientalis</i> Verdc.	C,S	Forest only	Z-I Endemic to T6. Monospecific genus
<i>Uvaria acuminata</i> Oliv.	T,L,S	F,W,B,T	Z-I, Mad.
<i>Uvaria decidua</i> Diels	C,S	Not forest	T8 endemic.
<i>Uvaria faulknerae</i> Verdc.	T,L,S	F,B,W	Z-I Near End.
<i>Uvaria kirkii</i> Hook. f.	S	Not Forest	Z-I Near End.
<i>Uvaria lucida</i> Benth.	C,S	F,W,B,Ro	Z-I,AM Near End.
<i>Uvaria pandensis</i> Verdc.	L	Forest only	Z-I Endemic to Pande (T6).
<i>Uvaria tanzaniae</i> Verdc.	L	Forest only	AM & Z-I Near End.
<i>Uvari dendron gorgonis</i> Verdc.	T	Forest only	Z-I,AM basement Near End.
<i>Uvari dendron kirkii</i> Verdc.	T,S	F,B	Z-I Near End.
<i>Uvari dendron</i> sp.	n/a	n/a	n/a
<i>Xylopia arenaria</i> Engl.	T,S	Not forest	Z-I Near End. K7,T6.
<i>Xylopia parviflora</i> (A. Rich.) Benth.	T	RF,FE,W,T	n/a

APOCYNACEAE	PGF	HAB	DIS
<i>Alafia caudata</i> Stapf	S,L	Forest only	Z-I, G-C.
<i>Alafia microstylis</i> K. Schum	L	Forest only	Z-I, G-C.
<i>Ancyllobthrys petersiana</i> (Klotzsch) Pierre	C,S	Not forest	n/a
<i>Baissea myrtifolia</i> (Benth.) Pichon	C,S	RF,FE,W,B,T	Z-I,ZA.
<i>Carissa tetramera</i> (Sacleux) Stapf	S	Not forest, W,B,T	Z-I,T-P,ZA.
<i>Dictyophleba lucida</i> (K. Schum.) Pierre	L	F,W,S	Z-I,G-C,ZA,MAD.
<i>Holarrhena pubescens</i> (Buch. Ham.) Wall.	T,S	Not forest, W,T	Forest in NCI.
<i>Hunteria zeylanica</i> (Retz.) Thwaites	T,S	F,T	n/a
<i>Landolphia kirkii</i> Dyer	L,S	F,FE,W,B	AM,ZA,Z-I.
<i>Mascarenhasia arborescens</i> A. DC.	T,S	Forest only	Z-I,MAD,G-C iso. pop.
<i>Rauvolfia mombasiana</i> Stapf.	T,S	F,RF,FE,W	Z-I Near End.
<i>Saba comorensis</i> (Boj.) Pichon	L	RF,W	n/a
ssp. <i>florida</i> (Benth.) Bullock	n/a	n/a	n/a
<i>Schizogygia coffaeoides</i> (Boj.) Baill.	T,S	Forest only	Z-I,ZA,MAD.
Monospecific genus <i>Stephanostemma stenocarpum</i> K. Schum	S	Forest only	Z-I Endemic to Gongolamboto.
Monospecific endemic genus <i>Strophanthus courmonti</i> Franch.	L	F,RF,T	Z-I,ZA.

<u>Strophanthus kombe</u> Oliv.	L,S	F,RF,W,T	Z-I,ZA,KALA.
<u>Strophanthus petersianus</u> Klotzsch	L,S	F,W	ZA,Z-I,T-P.
<u>Tabernaemontana elegans</u> Stapf	T,S	RF,W	Z-I,T-P.
<u>Tabernae montana packysiphon</u>	T	Forest only	n/a

ARACEAE	PGF	HAB	DIS
<u>Amorphophallus goetzei</u> (Engl.) N.E.Br	S,H	F,W	Z-I Near End. ?
<u>Anchomanes abbreviatus</u> Engl.	S,H	Forest only	Z-I Near End.
<u>Culcasia orientalis</u> Mayo	L,H	Forest only	Z-I Near End.
<u>Gonatopus boivinii</u> (Decne.) Engl.	H	F/W	Z-I,ZA.
<u>Stylochiton natalensis</u> Schott (syn. <u>S. hennigii</u>)	H	Not forest	Z-I,T-P.
<u>Stylochiton puberulus</u> N.E.Br.	H	Not forest	Z-I,ZA.
<u>Stylochiton salaamicus</u> N.E. Br.	H	F,W	Z-I Near End.
<u>Zamioculcas zamiifolia</u> (Lodd.) Engl.	H	F,W,B,T	Z-I,T-P.

ARALIACEAE	PGF	HAB	DIS
<u>Cussonia zimmermannii</u> Harms	T	F,RF,W,T	Z-I Near End. 0-400m.

ARECACEAE	PGF	HAB	DIS
<u>Hyphaene coriacea</u> Gaertn.	T	Not forest	MAD,Z-I,T-P & inland.
<u>Phoenix reclinata</u> Jacq.	T	Forest only	n/a

ARISTOLOCHIACEAE	PGF	HAB	DIS
<u>Aristolochia albida</u> Duchatre (syn <u>A. petersiana</u>)	C	RF,FE,B,T	n/a

ASCLEPIADACEAE	PGF	HAB	DIS
<u>Asclepiadaceae</u> sp. 1	C	n/a	n/a
<u>Ceropegia brevirostris</u> Bally & D. Field	C	F,B	Z-I Near End.
<u>Ceropegia distincta</u> N.E. Br	C	Not forest,B,Ro	Z-I Endemic to Zanzibar.
<u>Ceropegia meyeri-johannis</u> Engl.	C	FE,W,B	ZA,AM.
<u>Ceropegia nilotica</u> Kotschy	C	Not for.,T,B,Wa	n/a
<u>Cryptolepis apiculata</u> K. Schum.	C	F,RF,Wa	Z-I Near End. ?
<u>Cryptolepis obtusa</u> N.E. Br.	C	Forest only ?	Z-I,T-P,ZA.
<u>Cynanchum tetrapterum</u> (Turcz.) Bullock	C,H	FE,B	n/a
<u>Gymnema sylvestre</u> (Retz.) Schultes	C	FE,W	n/a
<u>Kanahia laniflora</u> (Forssk.) R. Br.	H	RF,S	n/a
<u>Parquetina nigrescens</u> (Afz.) Bullock	C	FE	n/a
<u>Pergularia daemia</u> (Forssk.) Chiov.	C	FE,W	n/a
<u>Sarcostemma viminale</u> (L.) R. Br.	C,H	Not forest, W	n/a
<u>Secamone gracilis</u> N.E. Br.	C	Forest only	Z-I Endemic T3 & K7. Collected 2x TZ
<u>Stathmostelma pauciflorum</u> (Klotzsch) K. Schum.	H	Not forest	Z-I,ZA.
<u>Tacazzea apiculata</u> Oliv.	L,C,S	FE,B,G	n/a
<u>Tylophora apiculata</u> K. Schum.	n/a	?	Z-I Endemic to T3,6 No specimen UDSM.
<u>Tylophora tenuipendunculatum</u> K. Schum.	n/a	n/a	n/a

ASTERACEAE (COMPOSITAE)	PGF	HAB	DIS
<u>Achyrothalamus marginatus</u> O. Hoffm.	H	Not forest	Z-I Near End.
<u>Ageratum conyzoides</u> L.	H	Not forest	n/a
<u>Bidens pilosa</u> L.	H	Not forest	n/a
<u>Blepharispermum zanguebaricum</u> Oliv. & Hiern	C,S	FE,W,B	Z-I,AM.
<u>Blumea aurita</u> (L.f) Wight	H	Not forest	n/a
<u>Brachylaena huillensis</u> O. Hoffm.	T	FE,W,B	Z-I,ZA.
<u>Crassocephalum crepidioides</u> (Benth.) S. Moore	H	F,FE,B	n/a
<u>Emilia coccinea</u> (Sims) G. Don (syn <u>E. javanica</u>)	H	FE,WA	n/a
<u>Gynura colorata</u> F.G. Davies	H	Forest only	Z-I,AM Endemic to T3.
<u>Tridax procumbens</u> L.	H	T,G,Wa	G-C,S-M,Z-I ?
<u>Vernonia aemulans</u> Vatke	S,H	Not forest	S-M,AM.
<u>Vernonia cinerea</u> (L.) Less.	H	FE,S,WA	Pantropical.
<u>Vernonia holstii</u> O. Hoffm.	S	FE	AM.
<u>Vernonia zanzibarensis</u> Less.	S	FE,B,T,G	Z-I Near End. T3,6,8;Z;P;K7.

BALANITACEAE	PGF	HAB	DIS
<u>Balanites maughamii</u> Sprague	T	F,W,S	n/a

BALSAMINACEAE	PGF	HAB	DIS
<u>Impatiens walleriana</u> Hook. f.	H	Forest only	Z-I,AM.

BEGONIACEAE	PGF	HAB	DIS
<u>Begonia wakefieldii</u> Gilg	S	FE,W,G	Z-I Near End.

BIGNONIACEAE	PGF	HAB	DIS
<u>Fernandoa magnifica</u> Seem.	T	Forest only	Z-I,ZA.
<u>Kigelia africana</u> (Lam.) Benth.	T	RF,W	n/a
<u>Markhamia acuminata</u> (Klotzsch) K. Schum.	T	F,W,B	Z-I,ZA ?
<u>Markhamia obtusifolia</u> (Bak.) Sprague	T	FE,W,B,G	Z-I,AM,ZA.
<u>Markhamia zanzibarica</u> (DC.) K. Schum	T,S	F,RF,W,B	Z-I,ZA,L-V.
<u>Stereospermum kunthianum</u> Cham.	T	F,FE,W	n/a

BOMBACACEAE	PGF	HAB	DIS
<u>Adansonia digitata</u> L.	T	F,W,B,T,G	Not recorded forest in FTEA, but in forest in Selous.
<u>Bombax rhodognaphalon</u> Engl.	T	F,W,B,T,G	Z-I,AM.

BORAGINACEAE	PGF	HAB	DIS
<u>Bourreria nemoralis</u> (Guerke)Thulin (syn. <u>E. litt.</u>)	T,S	F,W,B,T,WA	Z-I Near End. 0-600m.
<u>Cordia goetzei</u> Guerke	T,S	F,RF,T,S	Z-I,ZA.
<u>Cordia subcordata</u> Lam.	T,S	Shoreline	n/a
<u>Ehretia bakeri</u> Britten	T,S	F,B,T,S	Z-I,AM.
<u>Ehretia cymosa</u> Thonn.	T,S	F,B,G	960-2250m.

BREXIACEAE	PGF	HAB	DIS
<i>Brexia madagascariensis</i> (Lam.) Ker-Gawl.	T	Not forest	Z-I, MAD T6, Z.

BURSERACEAE	PGF	HAB	DIS
<i>Commiphora africana</i> (A. Rich.) Engl.	T, S	Not forest	n/a
<i>Commiphora edulis</i> (Klotzsch) Engl.	T, S	Not forest	S-M, Z-I, T3, 6.
ssp. <i>boiviniana</i> (Engl.) Gillet (= <i>C. boiviniana</i>)	n/a	n/a	n/a
<i>Commiphora eminii</i> Engl.	T	Forest only	ZA, Z-I, S-M.
ssp. <i>zimmermannii</i> (Engl.) Gillet	n/a	n/a	n/a
<i>Commiphora fulvotomentosa</i> Engl.	T	F, W, T	Z-I Near End.
<i>Commiphora lindensis</i> Engl.	T, S	Not forest, T	Z-I & S-M Near End.
<i>Commiphora pteleifolia</i> Engl.	T, S	Not forest	Z-I Near End.
<i>Commiphora mombassensis</i> Engl.	T, S	F, W	Z-I Near End.

BUXACEAE	PGF	HAB	DIS
<i>Buxus obtusifolia</i> (Mildbr.) Hutch. (syn <i>Notobuxus</i> o.) & coastal TZ.	T, S	F, W, B, T	Z-I Endemic to K7
<i>Buxus cordata</i> A. Radcl.-Smith	S	Forest only	Z-I Near End. T3, 6 End. to E. Usambaras ?

CACTACEAE	PGF	HAB	DIS
<i>Rhipsalis baccifera</i> (J. Mill.) W.T. Stearn	E, S	F, B	Introduced into Africa.

CAMPANULACEAE (LOBELIACEAE)	PGF	HAB	DIS
<i>Lobelia fervens</i> Thunb.	S, H	FE, G, S, WA	Z-I, S-M, ZA, AM, MAD.

CANELLACEAE	PGF	HAB	DIS
<i>Warburgia stuhlmannii</i> Engl.	T	F, W	Z-I Endemic K7 & T3 to 225m. 5 sites only, Msubug, Tanga

CAPPARIDACEAE	PGF	HAB	DIS
<i>Capparis erythrocarpos</i> Isert.	C, S	Not forest	Z-I, ZA.
var. <i>rosea</i> (Klotzsch) De Wolf	n/a	n/a	n/a
<i>Capparis sepiaria</i> L.	S	RF, W, B, G, Wa	n/a
var. <i>stuhlmannii</i>	n/a	n/a	Z-I Near End.
<i>Capparis viminea</i> Oliv.	S	F, T	n/a
<i>Cladostemon kirkii</i> (Oliv.) Pax & Gilg	T, C, S	F, T, Wa	Z-I, ZA, T-P.
<i>Cleome briquetii</i> Polhill	H	Not forest	Z-I & inland Near End.
<i>Maerua grantii</i> Oliv.	S	RF, W, B, G, Wa	Z-I & S-M.
<i>Maerua holstii</i> Pax	S	F, W	Z-I Near End.
<i>Maerua tripylla</i> A. Rich.	T, S	F, B, T, G	Z-I, ZA, S-M, AM, MAD.
<i>Ritchiea capparoides</i> (Andr.) Britten	T, S	F, FE, B, T	Z-I, ZA, GC.
<i>Thylachium densiflorum</i> Gilg & Bened.	T, S	F, T	Z-I Endemic T6.
<i>Thylachium macrophyllum</i> Gilg	S	Not forest	Z-I Endemic to T6 & Ulugurus.

CELASTRACEAE	PGF	HAB	DIS
<i>Apodostigma pallens</i> (Oliv.) Wilczek	L, S	FE	n/a

<u>Elaeodendron buchananii</u> (Loes.) Loes.	T,S	F,FE,W	SM,GC,ZA 1000-1500m.
<u>Elaeodendron schlechteranum</u> Loes.) Loes.	T,S	F,FE,W	ZA extending to TZ and Kenya.
<u>Elaeodendron schweinfurthianum</u> (Loes.) Loes.	S	F,RF,W,T,Shore	Z-I Near End.
<u>Hippocratea africana</u> (Willd.) Loes.	L,S	F,FE,W,Ro	n/a
<u>Hippocratea clematoides</u> Loes.	S,B	F,RF,B	G-C,ZA & Pugu.
<u>Hippocratea holtzii</u> Harms	n/a	?	Z-I Endemic to T3,6 No specimen UDSM.
<u>Hippocratea indica</u> (syn. <u>Reissantia i.</u>) ssp. <u>orientalis</u>	L,S n/a	n/a F,RF,W,Ro	n/a n/a
<u>Hippocratea pallens</u> Oliv.	L,S	F,W,T	n/a
<u>Maytenus mossambicensis</u> (Klotzsch) Blakelock	T,S	RF,FE,W,T	Z-I Near End.
<u>Maytenus putterlickioides</u> (Loes.) Exell & Mendonca	T,S	Not forest,W,T	ZA,Z-I,S-M.
<u>Maytenus senegalensis</u> (Lam.) Exell	T,S	Not forest,W	n/a
<u>Maytenus undata</u> (Thunb.) Blakelock	T,S	F,RF,W,B	n/a
<u>Mystroxydon aethiopicum</u> (Thunb.) Loes.	T,S	F,FE,W,T,G	n/a
<u>Salacia elegans</u> Oliv.	L,S	F,RF,FE,B	n/a
<u>Salacia erecta</u> (G. Don) Walp.	L,S	F,T	n/a
<u>Salacia lehmbachii</u> Loes.	L,S	Forest only	AM,Z-I Near End. (inc. K7).
<u>Salacia leptoclada</u> Tul.	S,L	For.,thicket only	n/a
<u>Salacia madagascariensis</u> (Lam.) DC.	L,S	RF,W,B,T	Z-I,MAD,ZA?
<u>Salacia</u> sp.	n/a	n/a	n/a

CHENOPODIACEAE	PGF	HAB	DIS
<u>Arthrocnemum indicum</u> (Willd.) Mog.	H	B,Shore,Mangrove	Z-I,T-P,Deccan shores

CHYRSOBALANACEAE	PGF	HAB	DIS
<u>Hirtella zanzibarica</u> Oliv.	T	WE Forest only	Genus in S.America,Z-I, MAD only.
<u>Parinari curatellifolia</u> Benth.	T	Not forest,W,B,G	n/a

CLUSIACEAE (GUTTIFERAE)	PGF	HAB	DIS
<u>Garcinia acutifolia</u> N. Robson	T,S	Dry forest only	Z-I Near End. T6 100m.
<u>Garcinia buchananii</u> Bak.	T,S	F,RF,T,G	A-M,Z-I,ZA.
<u>Garcinia livingstonei</u> T. Anders	T,S	RF,W,T,G	n/a
<u>Garcinia volkensii</u> Engl.	T,S	Forest only	AM,Z-I.
<u>Harungana madagascariensis</u>	T,S	WE Forest only	W at Kiono.
<u>Psorospermum febrifugum</u> Spach.	T,S	Not forest,W,G	n/a
<u>Vismia orientalis</u> Engl.	T,S	F,B,S	Z-I Near End.

COMBRETACEAE	PGF	HAB	DIS
<u>Combretum adenogonium</u> A. Rich (= <u>C. fragrans</u>)	T,S	F,W,B,T,G	ZA,Z-I,S-M,T-P

<u>Combretum butyrosom</u> (Bertol. f.) Tul.	C,S	RF,T	Z-I Near End. 50-450m.
<u>Combretum celastroides</u> Laws.	T	Not forest,T	ZA,KALA;T4,5,7,8.
<u>Combretum chionanthoides</u> Engl. & Diels	T,S	FE	Z-I Near End. K7,T3,6.
<u>Combretum constrictum</u> (Benth.) Laws.	C,S	F,G	Z-I,G-C?
<u>Combretum harrisii</u> Wickens	T	Forest only	Z-I Endemic to T6.
<u>Combretum holstii</u> Engl.	C,S	RF,FE,G	Z-I,ZA.
<u>Combretum illairii</u> Engl.	C,S	F,W,B	Z-I Near End. ?
<u>Combretum padoides</u> Engl. & Diels	T,S	F,RF,T,S	Z-I,ZA.
<u>Combretum paniculatum</u> Vent.	L,C,S	RF,FE,W	n/a
<u>Combretum pentagonum</u> Laws.	C	F,FE,T	Z-I,ZA.
<u>Combretum pisoniiflorum</u> (Klotzsch) Engl.	S	RF,T	Z-I Near End.? T3,8 300-600m.
<u>Combretum schumanii</u> Engl.	T,S	F,W,G	Z-I,ZA.
<u>Combretum tenuipetiolatum</u> Wickens	T	Forest only	Z-I Endemic K7,T3 0-300m. 2 sites only, Collected 50 yrs ago in K
<u>Combretum umbricola</u> Engl.	T,S	RF,W	Z-I & inland.
<u>Combretum xanthothyrsom</u> Engl. & Diels	L,S	F,FE,B	Z-I Near End.
<u>Pteleopsis apetala</u> Vollesen	T	Thicket ?	Z-I Endemic to T8 ? *Check UDSM*.
<u>Pteleopsis myrtifolia</u> (Laws.) Engl. & Diels	T	F,RF,W,B,G	ZA,Z-I,KALA.
<u>Terminalia boivinii</u> Tul.	T,S	Dry F,B	Z-I,MAD.
<u>Terminalia sambesiaca</u> Engl. & Diels	T	F,RF,W	ZA,Z-I.

COMMELINACEAE	PGF	HAB	DIS
<u>Aneilema aequinoctiale</u> (p. Beauv.) Kunth	H	F,WA	n/a
<u>Aneilema petersii</u> (Hassk.) C.B. Clarke	H	Not forest,B	Z-I,S-M,ZA.
<u>Commelina bracteosa</u> Hassk.	H	FE,WA	n/a
<u>Commelina diffusa</u> Burm.f.	H	Not forest,WA	n/a
<u>Commelina forskalaei</u> Vahl	H	Not forest,W,B,G,WA	SUD,S-M,Z-I,ZA.
<u>Commelina lagosensis</u> C.B. Clarke	H	F,RF,W,G	??
<u>Cyanotis foecunda</u> Hassk.	H	FE,B,G,RO	n/a
<u>Murdannia simplex</u> (Vahl) Brenan	H	Not forest	n/a

CONNARACEAE	PGF	HAB	DIS
<u>Byrsocarpus boivinianus</u> (Baill.) Schellenb.	T,S	F,B	Z-I Near End.
<u>Byrsocarpus orientalis</u> (Baill.) Baker	T,S	FE,W,B	Z-I,G-C,ZA
<u>Cnestis confertiflora</u> Gilg	T,S	RF,B	Z-I Endemic T6;P 0-300m
<u>Ellipanthus hemandranioides</u> Brenan	T,S	Wet Forest only	Z-I Endemic K7;T3,6 1-400m
<u>Rourea coccinea</u> (Schumach.) Benth. (= <u>Byrso. c. ?</u>)	S	FE,W	G-C] Check.
<u>Rourea orientalis</u> Baill. (syn. <u>Byrsocarpus o.?</u>)	T,S	FE,W,B	n/a

CONVULVULACEAE	PGF	HAB	DIS
<u>Bonamia mossambicensis</u> (Klotzsch) Hall.f.	C	F,T	Z-I Near End.

<u>Bonamia poranoides</u> Hall.f. (syn. <u>Metaporana dens.</u>)	C	Not forest	AM,Z-I.
<u>Evolvulus alsinoides</u> (L.) L.	H	Not forest, W, G, S, W A	n/a
<u>Evolvulus nummularius</u> (L.) L.	H	Not forest, Wa	n/a
<u>Hewittia scandens</u> (Milne) Mabberley	C	n/a	n/a
<u>Hewittia sublobata</u> (L.f.) O. Ktze.	C,H	FE,B,WA,G	n/a
<u>Ipomoea coptica</u> (L.) Roem. & Schult.	S,H	Not forest	n/a
<u>Ipomoea ficifolia</u> Lindl.	n/a	Not forest, B, R, WA	n/a
<u>Ipomoea mauritiana</u> Jacq.	L	F,RF,B	n/a
<u>Ipomoea shupangensis</u> Bak.	L	FE,B,R	Z-I,ZA,S-M.
<u>Ipomoea</u> sp.	n/a	n/a	n/a
<u>Ipomoea urbaniana</u> (Dammer) Hall. f.	L	F,G	Z-I, LV, AM.
<u>Ipomoea venosa</u> (Desr.) Roem. & Schult.	n/a	Forest only	Z-I, MAD (T3,6,8).
<u>Jacquemontia paniculata</u> (Burm.f.) Hall.f.	n/a	Not forest, T, G, WA	n/a
<u>Strictocardia incomta</u> (Hall.f.) Hall.f.	C	F,B	Z-I, AM 0-1020m.
<u>Xenostegia medium</u> (L.) Austin & Staples(= <u>Merremia</u> .m)	C	Forest only	Z-I, MAD 200-400m
<u>Xenostegia tridentata</u> (L.) Austin & Staples (=M.t.)	n/a	Not forest, W, T, G, W A.	n/a

CRASSULACEAE	PGF	HAB	DIS
<u>Kalanchoe crenata</u> (Audr.) Haworth	H	F,B,G,RO,S,W A	n/a
<u>Kalanchoe</u> sp. nov. ?	n/a	n/a	n/a

CUCURBITACEAE	PGF	HAB	DIS
<u>Coccinia grandis</u> (L.) Voigt	C	F,W,B,G	n/a
<u>Coccinia</u> sp. B of FTEA	C	Forest only	Z-I Near End. 80-300m K7, T6.
<u>Cucumis saclouxii</u> Paill. & Bois	C	RF,W,G,S	Z-I,ZA,MA,LV.
<u>Cyclantheropsis parviflora</u> (Cogn.) Harms	C	F,W,B	Z-I,ZA,S-M.
<u>Eureiandra</u> sp. A of FTEA	C	F,B	Z-I Near End. 0-100m.
<u>Gerrardanthus lobatus</u> (Cogn.) C. Jeffrey	C	Not forest, W,B,G	AM,Z-I.
<u>Kedrostis foetidissima</u> (Jacq.) Cogn.	H	FE,W,B,G	n/a
<u>Kedrostis heterophylla</u> A. Zimm.	C	Forest only	Z-I Near End. (AM & MAD?).
<u>Kedrostis leloja</u> (J.F. Gmel.) C. Jeffrey	C	Not forest, W,B	Z-I, Arabia.
<u>Momordica anigosantha</u> Hook.f.	C	F,B	n/a
<u>Momordica foetida</u> Schumach. & Thonn.	H	RF,FE,B,S,WA	n/a

CYCADACEAE	PGF	HAB	DIS
<u>Encephalartos hildebrandtii</u> A. Br. & Bouche	T,S	F,B, Ro	Z-I Near End.

CYPERACEAE	PGF	HAB	DIS
<u>Bulbostylis pilosa</u> (Willd.) Cherm.	Sedge	Not forest, G	n/a
<u>Cyperus compressus</u> L.	Sedge	Not forest, S	n/a

<u>Cyperus exaltatus</u> Retz.	Sedge	Not forest,S	n/a
<u>Cyperus halpan</u> L.	Sedge	Not forest,G,S	n/a
<u>Cyperus involucratus</u> Rottb.	Sedge	Not forest,G,S,WA	n/a
<u>Cyperus mapanioides</u> C.B. Clarke	Sedge	Forest only	AM,G-C ? Only recorded west TZ, 900-1180m.
<u>Cyperus obtusiflorus</u> Vahl (syn <u>C.niveus</u> var L.)	Sedge	Not forest,W,G,Ro	n/a
<u>Cyperus prolifer</u> Lam.	Sedge	Not forest,S	Z-I,MAD only ? 0-450m.
<u>Cyperus renschii</u> Boeck.	Sedge	F,S,WA	n/a
<u>Cyperus</u> , not matched	Sedge	Forest swamp only	Z-I Endemic to Kiono T6.
<u>Cyperus stramineo-ferrugineus</u> Kuek.	Sedge	Not forest,G	Z-I End. to T6 1200 - 1980m.
<u>Cyperus tenax</u> Boeck.	Sedge	Not forest,W,G	n/a
<u>Cyperus tenuispica</u> Steud.	Sedge	Not forest	n/a
<u>Fimbristylis longiculmis</u> Steud	Sedge	Not forest,G,S,Shore	Z-I & MAD ? (Not K7).
<u>Fuirena apetala</u>	***check SREA***	Z-I Near End. 0-40m	
<u>Fuirena ciliaris</u> (L.) Roxb.	Sedge	Not forest,S	n/a
<u>Fuirena ochreate</u> Kunth.	Sedge	Not forest	n/a
<u>Fuirena pachyrrhiza</u> Ridl. (= <u>F. pubescens</u> var <u>major</u>)	Sedge	Not forest,G,S.	n/a
<u>Fuirena pubescens</u> (Lam.) Kunth	Sedge	Not forest,G,S	n/a
<u>Fuirena umbellata</u> Rottb.	Sedge	Not forest	n/a
<u>Kyllinga</u> sp.,immature	n/a	n/a	n/a
<u>Mariscus</u> sp.	Sedge	n/a	n/a
<u>Chynchospora candida</u> (Nees) Boeck.	Sedge	Not forest,G,S	n/a
<u>Schoenoplectus erectus</u> (Poir.) Palla	Sedge	Not forest,G,S,Shore	Z-I,ZA,Mauritius.
<u>Scleria lithosperma</u> (L.) Sw.	Sedge	F,T	n/a
<u>Scleria racemosa</u> Poir.	Sedge	F,S	Z-I,S-M,ZA,MAD.

DICHAPETALACEAE	PGF	HAB	DIS
<u>Dichapetalum arenarium</u> Breteler	L,S	F,B	Z-I Near End.
<u>Dichapetalum madagascariense</u> Poir	S,L	F,B	n/a
<u>Dichapetalum mossambicense</u> (Klotzsch) Engl.	L,S	F,FE,B	Z-I Near End.
<u>Dichapetalum stuhlmanii</u> Engl.	S	F,RF,B,T,G	Z-I,LV.

DILLENACEAE	PGF	HAB	DIS
<u>Tetracera boiviniana</u> Baill.	S	Not forest,W,T	Z-I Near End. 50-350m.
<u>Tetracera litoralis</u> Gilg	C,S	Forest only	Z-I Near End. K7;T6;P.

DIOSCOREACEAE	PGF	HAB	DIS
<u>Dioscorea dumetorum</u> (Kunth) Pax	H	F,FE,W,B,T,G,WA	n/a
<u>Dioscorea hirtiflora</u> Benth.	H	F,RF,T,R,WA	Z-I,ZA.

<i>Dioscorea sansibarensis</i> Pax	C	F,RF,W,B	n/a
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EBENACEAE	PGF	HAB	DIS
<i>Diospyros capricornuta</i> F. White & nearby forest patch	T,S	Forest only	Z-I Endemic to Pugu
<i>Diospyros consolatae</i> Chiov.	T,S	Dry F,B,R	Z-I,ZA,S-M.
<i>Diospyros cornii</i> Chiov.	T	F,RF,W,T	Z-I Near End. & into S-M.
<i>Diospyros greenwayi</i> F. White	T	Forest only	Z-I Near End.
<i>Diospyros inhacaensis</i> F. White	T,S	Forest only	Z-I,T-P.
<i>Diospyros kabuyana</i> F. White (syn. <i>D. brucei</i>)	T	F,RF	Z-I Near End.
<i>Diospyros mafiensis</i> F. White	T,S	F,Mangrove	Z-I Near End. Rufiji riverine
<i>Diospyros magogoana</i> F. White	T,S	Forest only	Z-I Endemic to Rondo.
<i>Diospyros mespiliformis</i> A. DC.	T	Forest only	n/a
<i>Diospyros natalensis</i> (Harv.) Brenan	T,S	Forest only	T-P,ZA,KALA,CAPE,MAD,S-M,Z-I,L-V.
<i>Diospyros occulta</i> F. White	T,S	Forest only ?	Z-I Near End. & into ZA.
<i>Diospyros quiloensis</i> (Hiern) F. White	T,S	Not forest, W,G,T	ZA Near End. & into Z-I.
<i>Diospyros shimbaensis</i> F. White	T	Forest only	Z-I End. New to Tanz. (& K7) 2 & 3 collection.
<i>Diospyros squarrosa</i> Klotzsch	T	Not forest	Z-I,ZA In F Pande,Kiono.
<i>Diospyros usambarensis</i> F. White	T,S	FE,W	Z-I Near End.
<i>Diospyros verrucosa</i> Hiern (Tanz. & Mozam.).	T,S	F,FE	Z-I Near End.
<i>Diospyros zombensis</i> (B.L. Burt) F. White	T,S	Not forest,B,T	Z-I,ZA.
<i>Euclea schimperi</i> (A. DC.)			
Dandy (= <i>E. racemosa</i> ssp. s)	T,S	F,W,B,T.	n/a

ERYTHROXYLACEAE	PGF	HAB	DIS
<i>Erythroxylum emarginatum</i> Thonn.	T,S	F,B,T	n/a

EUPHORBIACEAE	PGF	HAB	DIS
<i>Acalypha engleri</i> Pax	S	F,FE,B	Z-I Near End.
<i>Acalypha fruticosa</i> Forssk.	T,S	RF,W,B,T	n/a
<i>Acalypha neptunica</i> Muell. Arg. T,S	T,S	F,FE,B	G-C,Z-I ? Check.
<i>Acalypha ornata</i> A. Rich.	S,H	F,FE,W,T,G,Ro	n/a
<i>Acalypha racemosa</i> (Benth.) Pax & K. Hoffm.	S,H	Forest only & ?G	n/a
<i>Alchornea laxiflora</i> (Benth.) Pax & K. Hoffm.	T,S	F,RF,B,T	Z-I isolated pop. ?
<i>Antidesma venosum</i> Tul.	T,S	F,RF,FE,W,B	n/a
<i>Aristogeitonia monophylla</i> Airy Shaw	T,S	F,T	Z-I End. K7 & T3 only 0-200m.
<i>Bridelia atroviridis</i> Muell. Arg.	T,S	FE,B,T	n/a
<i>Bridelia cathartica</i> Bertol. f.	T,S	RF,W,B,T	Z-I,AM,S-M,ZA.

<u>Bridelia micrantha</u> (Hochst.) Baill.	T,S	F,FE,B,T,S	n/a
<u>Cavacoa aurea</u> (Cavaco) J. Leon	T,S	Forest only	T-P & Z-I iso. pop. (Ribe).
<u>Croton jatrophoides</u> Pax	T	Forest only(RF,FE)	Z-I Near End T3,6 only 50-250m.
<u>Croton kilwae</u> A.R. Sm.	S	Forest only	Z-I Near End. T8 & N. Mozambiq. 45-100m
<u>Croton pseudopulchellus</u> Pax	T,S	F,FE,W,B,T	n/a
<u>Croton steenkampianus</u> Gerstner	S	Thicket only	T-P & Z-I isolated pop.(Ruvu South).
<u>Croton sylvaticus</u> Hochst.	T,S	Forest only	n/a
<u>Dalechampia scandens</u> L.	C	RF,B,T	var <u>Hildebrandtii</u> Z-I Near End
<u>Dalechampia trifoliata</u> Verdc. & Greenway	H	Not forest,W,B	Z-I,SUD 60-600m.
<u>Drypetes arguta</u> (Muell. Arg.) Hutch.	T,S	F,W,T	Z-I,ZA,T-P
<u>Drypetes natalensis</u> (Harv.) Hutch. (Z-I near End. subsp.)	T,S	Forest only	Z-I,AM,ZA
<u>Drypetes parvifolia</u> (Muell.Arg) Pax & K. Hoffm.	T,S	Forest only	G-C,Z-I 0-450m.
<u>Drypetes reticulata</u> Pax	T,S	F,RF,T	Z-I,T-P,ZA 0-500m.
<u>Drypetes sclerophylla</u> Mildbr.	T	RF,W,T	Z-I Endemic to T8 200-750m.
<u>Erythrococca berberidea</u> Prain	T,S	Forest only	T-P & Z-I iso. pop.
<u>Erythrococca bongensis</u> Pax, vel sp aff. not recorded on coast.	T,S	FE,B,T,S	LV,S-M,AM,
<u>Erythrococca kirkii</u> (Muell. Arg.) Prain	S	FE,B,T,S	Z-I,L-V isolated populations.
<u>Erythrococca trichogyne</u> (Muell. Arg.) Prain	S	F,FE,B	G-C,ZA 1140-2750m, no record on coast.
<u>Erythrococca usambarica</u> Prain	S	Forest only	Z-I,AM Near End. 300-1000m.
<u>Euphorbia candelabrum</u> Kotschy	T	Not forest,G,R	ZA,S-M,Z-I,AM.
<u>Euphorbia hirta</u> L.	H	Not forest,WA	Introduced.
<u>Euphorbia nyikae</u> Pax	T	Not forest,W	Z-I Near End.
<u>Euphorbia quadrialata</u> Pax	T	Not forest,B,R	Z-I,AM Near End. T3,6 400-1300m.
<u>Euphorbia systyloides</u> Pax	H	Not forest,W,WA	n/a
<u>Euphorbia tirucalli</u> L.	T,S	Not forest,W,G,WA	n/a
<u>Euphorbia usambarica</u> Pax	S	Forest only	AM Near End. K7;T2,3,6,8 & Malawi.
<u>Excoecaria madagascariensis</u> (Baill.) Muell. Arg.	T,S	F,RF,T	S-M,AM,MAD.
<u>Flueggea virosa</u> (Willd.) Voigt	T,S	RF,FE,B,T,WA	n/a
<u>Macaranga schweinfurthii</u> Pax	T	Forest only	G-C,ZA 1050-1280m.
<u>Mallotus oppositifolius</u> (Geiseler) Muell. Arg.	T,S	F,RF,FE,B,T	(Z-I Near End. var.).
<u>Maprounea africana</u> Muell. Arg.	T,S	Not forest	n/a
<u>Margaritaria discoidea</u> (Baill.) Webster	T,S	F,FE,W	AM,G-C,ZA,Z-I.
<u>Meineckia fruticans</u> (Pax) Webster	S	F,RF,B,R	Z-I and inland.
<u>Micrococca scariosa</u> Prain	T,S	F,T	Z-I Endemic K7;T3,6;Z &

Moz.Rare.Kimboza, Inhamiga			
<u>Mildbraedia carpinifolia</u> (Pax) Hutch.	T,S	F,RF,FE,W,WA	AM,Z-I Near End. K7;T3,6;Z.
<u>Neoholstia tenuifolia</u> (Pax) Rauschert	T,S	F,RF,W,R	Z-I,ZA.
<u>Phyllanthus chevalieri</u> Beille	H	Not forest,W,G	SUD,Z-I & ZA iso. pop.
<u>Phyllanthus harrisii</u> A. Radcl.-Smith	H	RF,S,Wa	Z-I Endemic to K7;T6;Z
<u>Phyllanthus kaessneri</u> Hutch.	T,S	F,B	Z-I & Zambia?? 0-520m K7;T3,6.
<u>Phyllanthus leucocalyx</u> Hutch.	H	Not forest	Z-I and inland.
<u>Phyllanthus micromeris</u> A. Radcl.-Smith	H	F,FE,G,S,Wa	AM T2,6-8 1370-2300m.
<u>Phyllanthus nummulariifolius</u> Poir.	S,H	FE,W,G,S,WA	n/a
<u>Phyllanthus odontadenius</u> Muell. Arg.	S,H	RF,S,WA	n/a
<u>Phyllanthus reticulatus</u> Poir.	T,S	Not forest,W,B,S	n/a
<u>Phyllanthus rhizomatosus</u> A. Radcl.-Smith	H	Not forest,W,WA	Z-I End. Known only from type T6.
<u>Phyllanthus schliebenii</u> A. Radcl.-Smith	S	Riverine f. only?	Z-I Endemic to T8 (Lake Lutamba)
<u>Phyllanthus welwitschianus</u> Muell. Arg.	T,S	F,W,B,S,WA	n/a
<u>Phyllanthus wingfieldii</u> A. Radcl.-Smith	S	RF,Wa	Z-I Near Endemic to T3,6
<u>Pycnocomma littoralis</u> Pax	T,S	Forest only	Z-I Near End. K7;T3,6.
<u>Ricinodendron heudelotii</u> (Baill.) Pierre ex Heckel	T	Forest only	G-C,Z-I Iso. pop. K7,T3,6,8 & Moz(N).
<u>Sapium armatum</u> Pax & K. Hoffm.	T,S	F,T	Z-I Near End. (?+ Zim.).
<u>Sapium ellipticum</u> (Krauss) Pax	T,S	F,FE,S,WA	AM,G-C Check.
<u>Sapium</u> sp.nov. mentioned in Burgess 1990	Forest only	Z-I Endemic to Pande	n/a
<u>Sapium triloculare</u> Pax & K. Hoffm.	T,S	F,W	Z-I End. T6,8.
<u>Spirostachys africana</u> Sond.	T,S	Not forest,B,G	n/a
<u>Suregada zanzibariensis</u> Baill.	T,S	F,W,B	Z-I,AM,MAD.
<u>Synadenium glaucescens</u> Pax	T,B	Not forest,W,Ro	AM,S-M Near End. T3,5,6 300-1800m.
<u>Tragia adenanthera</u> Baill.	H	Not forest	n/a
<u>Tragia furialis</u> Boj.	H	Forest only	Z-I,ZA,MAD 0-900m.
<u>Tragia</u> sp.	H	n/a	
<u>Tragiella natalensis</u> (Sond.) Pax & K. Hoffm.	H	F,RF,FE,B,S,W A	AM,S-M,ZA.

FABACEAE	PGF	HAB	DIS
<u>Abrus precatorius</u> L. ssp. <u>africanus</u> Verdc.	C	Not forest,B,T,G,W A	n/a
<u>Abrus pulchellus</u> Thwaites	L,C,S,M	F,W	240-1350m.
<u>Acacia adenocalyx</u> (Brenan & Exell.)	T,S	Not forest,B,T	Z-I Near End. 45-450m in forest TZ01
<u>Acacia brevispica</u> Harms	T,S	Not forest,B,T,WA	n/a
<u>Acacia nilotica</u> (L.) Del.	T	Not forest	n/a

<u>Acacia pentagona</u> (Schumach. & Thonn.) Hook. f.	L	Forest only	400-1450m.
<u>Acacia polyacantha</u> Willd.	T	RF,W,B,G	n/a
<u>Acacia robusta</u> Burch. (syn <u>A. clavigera</u>) ssp. <u>usambarensis</u> (Taub.) Brenan	n/a T		
<u>Acacia royumae</u> Oliv.	T	F,RF,W	
<u>Acacia sieberiana</u> DC.	T	Riverine forest	Z-I,MAD.
<u>Acacia sieberiana</u> DC.	T	FE,W,G	n/a
<u>Acacia taylorii</u> Brenan & Exell.	S	Not forest	Z-I Endemic known only from type near Lindi & Selous.
<u>Acacia tephrodermis</u> Brenan	C,S	F,T	Z-I endemic to Pugu and nearby thicket.
<u>Aeschynomene indica</u> L.	H	Not forest	n/a
<u>Azelia quanzensis</u> Welw.	T	F,W,T	S-M,ZA,Z-I.
<u>Albizia glaberrima</u> (Schumach. & Thonn.) Benth.	T,S	F,RF,W,B	Z-I,S-M,ZA.
<u>Albizia gummifera</u> (J.F. Gmel) C.A. Sm.	T	Forest only	n/a
<u>Albizia petersiana</u> (Bolle) Oliv.	T	F,RF,W	AM,S-M,ZA 380m- 1700m.
<u>Albizia versicolor</u> Oliv.	T	Not forest	Z-I,ZA,AM.
<u>Angylocalyx braunii</u> Harms	T	Forest only	Z-I,AM Near End.
<u>Baphia kirkii</u> Bak.	T	F,B,T	Z-I Near End. T3,6 & Jubba Riverine.
<u>Baphia puguensis</u> Brummit	T,S	Forest only	Z-I Endemic to Pugu Hills 200m & Gongolamboto.
<u>Baphiopsis africana</u>	No specimen UDSM.		
<u>Bauhinia tomentosa</u> L.	T,S	F,RF,W,B	n/a
<u>Brachystegia microphylla</u> Harms	T	Not forest,W	ZA,Z-I.
<u>Brachystegia spiciformis</u> Benth.	T	FE,W,B,T	ZA,Z-I,S-M.
<u>Caesalpinia bonduc</u> (L.) Roxb.	T,B	Shoreline	0-15m.
<u>Caesalpinia volkensii</u> Harms	L,C,B	Forest only	AM,S-M.
<u>Canavalia virosa</u> (Roxb.) Wight & Arn.	C	Not forest	280-1800m.
<u>Cassia abbreviata</u> Oliv.	T,S	Not forest,W,B,G	n/a
<u>Cassia afrodistula</u> Brenan	T,S	Bushland only	Z-I & K1.
<u>Cassia burtii</u> Bak. f.	T,S	Not forest	Z-I Near End.
<u>Cassia mimosoides</u> L.	H	F,FE,W	n/a
<u>Cassia petersiana</u> Bolle	T,S	F,RF,FE,W,B	n/a
<u>Cassia siamea</u> Lam.	T	Planted	Introduced.
<u>Cassia zambesiaca</u> Oliv.	H	Not forest	Z-I Near End.
<u>Cordyla africana</u> Lour.	T	DF,RF	Z-I,ZA.
<u>Craibia brevicaudata</u> (Vatke) Dun	T,S	Forest only	Z-I,S-M,AM.
<u>Craibia zimmermannii</u> (Harms) Dunn	T	Forest only	Z-I,AM,T-P.
<u>Crotalaria goodiiiformis</u> Vatke	S,B	F,FE,W,B,G,W A	Z-I,S-M,ZA.
<u>Crotalaria axillaris</u> Ait.	T,H	RF,FE,W,B,T,G ,WA	n/a
<u>Cynometra suaheliensis</u> (Taub.) Bak. f.	T,S	F,RF,B	Z-I Near End. K7,T3 0- 150m.
<u>Cynometra webberi</u> Bak.f.	T	F,W	Z-I Near End.

<u>Cynometra sp. aff. C. alexandri</u>	T	Riverine only	Z-I Endemic to Selous & Gendagenda.
<u>Cynometra sp. nov. aff. C. schlechterina</u>	T	Riverine only	Z-I Endemic to Selous.
<u>Dalbergia acariiantha</u> Harms	T,S	Not forest W,T	Z-I Near End. T6,8.
<u>Dalbergia bracteolata</u>	T,S	Thicket only	Z-I,MAD.
<u>Dalbergia obovata</u> E.Mey	T,S	F,RF,FE,B,T,G	Z-I,T-P,ZA,CAPE.
<u>Desmodium salicifolium</u> (Poir.)DC.	S,H	FE,G,S	230-1860m.
<u>Dialium holtzii</u> Harms	T	F,RF,W,S	Z-I Near End.
<u>Dichrostachys cinerea</u> (L.) Wight & Arn.	T,S	FE,B,T,G,WA	n/a
<u>Entada pursaetha</u> DC.	L	F,B	0-600m.
<u>Eriosema glomeratum</u> (Guill. & Perr.) Hook.f.	H	Not forest	Z-I,G-C.
<u>Eriosema nutans</u> Shinz	H	FE,G	AM 12-2400m Check..
<u>Erythrina sacleuxii</u> Hua	T	F,W,B,T,G	Z-I Near End. 0-450m.
<u>Erythrophleum suaveolens</u> (Guill. & Perr.) Brenan	T	Forest only	n/a
<u>Galactia tenuiflora</u> (Willd.) Wight & Arn.	S,H	Not forest	n/a
<u>Guibortia schliebenii</u> (Harms) J.Leon	T	F,W,S	Z-I Near End.
<u>Hymenaea verrucosa</u> Gaertn.	T	F,W,B	Z-I,MAD 15-240m.
<u>Indigofera cuneata</u> Bak.	H	Not forest,G	Z-I and inland.
<u>Indigofera ormocarpoides</u> Bak.	S	Not forest,B	Z-I,ZA,MAD.
<u>Indigofera simplicifolia</u> Lam.	H	Not forest	n/a
<u>Indigofera spicata</u> Forssk.	H	Not forest	Scarce below 700m.
<u>Indigofera strobilifera</u> (Hochst.) Bak.	H	n/a	
<u>Indigofera zanzibarica</u> Gillet	H	Not forest	Z-I Near End. K7;T3,6;P.
<u>Isoberlinia scheffleri</u> (Harms) Greenway	T	Forest only	AM Near End. 460-1680m & sterile from Selous.
<u>Julbernardia magnistipulata</u> (Harms) Troupin	T	F,RF,B,W	Z-I,AM Near End.
<u>Macrotyloma axillare</u> (E. Mey.) Verdc.	C,H	F,B,G,S	n/a
<u>Mezoneuron angolense</u> Oliv.	L	F,RF,B,S	AM,G-C,Z-I,ZA.
<u>Millettia eetveldeana</u> (Micheli) Haumann	T,S	Forest only	Z-I,G-C T6,8 100-900m iso. pop.
<u>Millettia impressa</u> Harms	L	FE,G	Z-I,G-C 10-200m iso. pop. Forest P,K.
<u>Millettia lasiantha</u> Dunn	L	Forest only	Z-I & Malawi Near End. 10-300m.
<u>Millettia puguensis</u> Gillet	L	Forest only	Z-I Endemic to Pugu.
<u>Millettia sacleuxii</u> Dunn	T	RF	T6 only ??
<u>Millettia usaramensis</u> Taub.	T,S	F,G	Z-I and inland.
<u>Mimosa pigra</u> L.	S	Not forest	n/a
<u>Mucuna pruriens</u> (L.) DC.	C,H	F,FE,B,G,WA	n/a
<u>Mundulea sericea</u> (Willd.) A. Chev.	T,S	F,W,B,Ro	n/a
<u>Newtonia pancijuga</u> (Harms) Brenan	T	Forest only	Z-I Near End. 75-300m.
<u>Ormocarpum sennoides</u> (Willd.) DC.	T,S	F,W,T	Z-I Near End. 0-600m.
<u>Paramacrolobium coeruleum</u> (Taub.) J. Leon.	T	Forest only	Z-I,G-C iso. pop.
<u>Parkia filicoidea</u> Oliv.	T	Forest only	G-C,Z-I,ZA.
<u>Platysepalum inopinatum</u> Harms	T,L,S	Forest only	Z-I Near End. 10-250m.

<u>Pseudoprosopis euryphylla</u> Harms	T,S	F,T	Z-I End. 450-790m T8,Moz with Pugu iso. pop.
<u>Pterocarpus tinctorius</u> Welw.	T	F,RF,T	AM,ZA,Z-I.
<u>Rhyncosia congensis</u> Bak.	C	Not forest,B,G	Z-I,AM Near End.
ssp. <u>orientalis</u> Verdc.	Z-I Near End.	n/a	
<u>Rhyncosia holstii</u> Harms	C	Forest only	Z-I Endemic to Pugu.
<u>Rhyncosia minima</u> (L.) DC.	C,H	Not forest	B,T,S.
<u>Rhyncosia sublobata</u> (Schumach.) Meikle	C,H	Not forest	n/a
<u>Schefflerodendron usambarense</u> Harms	T	Forest only	AM,G-C T3.
<u>Scorodophloeus fischeri</u> (Taub) J. Leon	T	Forest only,?G	Z-I Near End.
<u>Sesbania hirtistyla</u> Gillet	B,H	Not forest	Z-I Near End.
<u>Sophora tomentosa</u> L.	S	Shoreline	n/a
<u>Stuhlmannia moavi</u> Taub.	T	Forest only	Z-I Endemic to T3; Monospecific genus.
<u>Tamarindus indica</u> L.	T	Not forest,W,B,G	n/a
<u>Tephrosia linearis</u> (Willd.) Pers.	H	Not forest	n/a
<u>Tephrosia noctiflora</u> Bak.	H	Not forest,T,G,WA	n/a
<u>Tephrosia reptans</u> Bak.	H	Not forest,G,Ro,S	S-M,ZA,AM,MAD.
<u>Tephrosia villosa</u> (L.) Pers.	H	Not forest	n/a
<u>Tessmania densiflora</u> Harms	T	Forest only??	Z-I Endemic to Kichi Hills T6.
<u>Tessmania martiniana</u>	T	Shoreline	Z-I Endemic to T6.
<u>Tetrapleura tetraptera</u> (Schumach. & Thonn.) Taub.	T	Forest only	G-C,Z-I iso. pop.
<u>Vigna pubescens</u> Wilczek	C,H	Not forest,B,G	Z-I,ZA.
<u>Vigna unguiculata</u> (L.) Walp.	C,H	F,RF,B,G	n/a
<u>Vigna vexillata</u> (L.) A. Rich.	C,H	F,B,T,G	n/a
<u>Zenkerella egregia</u> J. Leon.	T,S	Forest only	Z-I,AM Near End. T3,6 270-400m.

FLACOURTIACEAE	PGF	HAB	DIS
<u>Bivinia jalbertii</u> Tul.	T,S	F,B	Z-I,MAD; Monospecific genus 884
<u>Caloncoba welwitschii</u> (Oliv.) Gilg	T,S	Forest only	AM,G-C,Z-I.
<u>Casearia gladiiformis</u> Mast.	T,S	F,RF,FE,W,B	Z-I,AM,ZA.
<u>Dovyalis hispidula</u> Wild	T,S	Not forest,W,T,Ro	Z-I & Zimbabwe.
<u>Dovyalis macrocalyx</u> (Oliv.) Warb.	T,S,B	F,RF,B,G	n/a
<u>Grandidiera boivinii</u> Taub.	T,S	Forest only	Z-I Near End; Monospecific genus
<u>Homalium abdessammadi</u> Aschers. & Schweinf.	T,S	Forest only	G-C,Z-I K7;T3,6.
<u>Lindackeria somalensis</u> Chiov.	n/a		
<u>Ludia mauritiana</u> Gmelin	T,S	F,B	Z-I,AM,MAD.
<u>Oncoba spinosa</u> Forssk.	T,S	RF,FE,W,B	n/a
<u>Xylothea tettensis</u> (Klotzsch) Gilg.	T,S	Not forest	Z-I & Malawi.

FLAGELLARIACEAE	PGF	HAB	DIS
<i>Flagellaria guineensis</i> Schum.	C	FE,B	n/a

GENTIANACEAE	PGF	HAB	DIS
<i>Enicostema axillare</i> (Lam.) A. Raynal	H	Not forest, W,G,S,W A	n/a
<i>Exacum oldenlandiodes</i> (S. Moore) Klack.	H	No specimen UDSM.	

GESNERIACEAE	PGF	HAB	DIS
<i>Saintpaulia diplotricha</i> B.L. Burrt	H	Forest only	Z-I,AM Near End.
<i>Saintpaulia intermedia</i> B.L. Burrt	H	Forest only	Z-I,AM Near End.
<i>Saintpaulia ionantha</i> Wendland	H	Forest only	Z-I Endemic.
<i>Saintpaulia tongwensis</i> B.L. Burrt	H	Forest only	Z-I,AM Near End.

HERNANDIACEAE	PGF	HAB	DIS
<i>Gyrocarpus americanus</i> Jacq.	T	Forest only	Z-I only in Africa; Palaeotropical.

HYMENOCARDIACEAE	PGF	HAB	DIS
<i>Hymenocardia ulmoides</i> Oliv.	T,S	F,B,T	n/a

HYPOXIDACEAE	PGF	HAB	DIS
<i>Hypoxis angustifolia</i> Lam.	H	Not forest, W,G	n/a

ICACINACEAE	PGF	HAB	DIS
<i>Apodytes dimidiata</i> E. Meyer ex Arn.	T,S	F,B	Z-I,AM,Deccan.
<i>Pyrenacantha vogeliana</i> Baill.	C	Forest only	GC,Z-I T3,6 200- 500m.

IXONANTHACEAE	PGF	HAB	DIS
<i>Phyllocosmus lemaireanus</i> (De Wild&Th.Dur.)Th.&H.Dur.	T,S	F,W	ZA,Z-I 0-1300m.

LAMIACEAE (LABIATAE)	PGF	HAB	DIS
<i>Becium obovatum</i> (Benth.) N.E. Br.	H	n/a	
<i>Hoslundia opposita</i> Vahl	H	F,RF,FE,B,WA	n/a
<i>Leucas glabrata</i> (Vahl) R. Br.	H	Not forest, W,B	n/a
<i>Leucas nyassae</i> Guerke	H	Not forest?W,B,G,W A	AM,Z-I Near End. ?
<i>Ocimum gratissimum</i> L. (= <i>O. suave</i> Willd.)	H	F,B,T,G,Wa	Palaeotropical.
<i>Plectranthus flaccidus</i> (Vatke) Guerke	H	F,B	AM,Z-I.
<i>Plectranthus sereti</i> (De Wild.) Vollesen	H	F,FE,G,Ro	AM Near End. ?
<i>Plectranthus</i> sp.	n/a		
<i>Solenostemon latifolius</i> (Benth.) J.K. Morton	H	n/a	
<i>Tinnea aethiopica</i> Hook f.	n/a		
ssp. <i>stolzii</i> (Robyns & Lebrun) Vollesen	S	Dry forest only	ssp. Z-I Near End.

LAURACEAE	PGF	HAB	DIS
<i>Cassytha filiformis</i> L.	C	F,B,T,Wa	n/a

LECYTHIDACEAE	PGF	HAB	DIS
<i>Barringtonia racemosa</i> (L.) Spreng.	T	RF,B,G,S	n/a

LENTIBULARIACEAE	PGF	HAB	DIS
<i>Ultricularia gibba</i> L.	H	Swamp only	0-240m.

LILIACEAE	PGF	HAB	DIS
<i>Albuca abyssinica</i> Murr.	H	Not forest, W,B,G	n/a
<i>Anthericum subpetiolatum</i> Bak.	H	F,W,B,G	n/a
<i>Anthericum suffruticosum</i> (Bak.) Milne-Redh.	H	Ro	Z-I,S-M Near End.
<i>Asparagus aethiopicus</i> L.	C,S	F,W,B	n/a
<i>Asparagus africanus</i> Lam.	C,S,H	FE,W,B,Ro	n/a
<i>Asparagus falcatus</i> L.	L,C,S	F,W,B	Eastern Africa & Deccan.
<i>Asparagus setaceus</i> (Bak.) Jessop	C,H	Forest only	AM.
<i>Chlorophytum heynei</i> Bak.	H	Forest only	n/a
<i>Chlorophytum sparsiflorum</i> Bak.	H	Forest only	AM,G-C.
<i>Chlorophytum</i> sp. not matched at Kew	H	Forest only	Z-I Endemic.
<i>Dracaena deremensis</i> Engl.	S,H	Forest only	AM.
<i>Dracaena steudneri</i> Engl.	T,S	Forest only	AM,ZA.
<i>Dracaena usambarensis</i> Engl.	T,S	RF,W,B	Z-I,T-P,ZA,AM.
<i>Drimiopsis botryoides</i> Bak.	H	FE,?W	Z-I Near End.
<i>Gloriosa simplex</i> L.	C,H	n/a	
<i>Gloriosa superba</i> L.	C,H	F,W,B	n/a
<i>Sansevieria conspicua</i> N.E. Br.	H	Not forest, W,B,T,Ro	Z-I,S-M.
<i>Sansevieria kirkii</i> Baker	H	Not forest, B,T,Ro	Z-I,ZA.

LINACEAE	PGF	HAB	DIS
<i>Hugonia castaneifolia</i> Engl.	T,L,S	F,RF,B	Z-I Near End. K7;T3,6;Z.

LOGANIACEAE	PGF	HAB	DIS
<i>Mostuea brunonis</i> Didr.	L,S	F,RF,W,B,T	n/a
<i>Mostuea microphylla</i> Gilg.	S	F,RF,B,T	Z-I,G-C.
<i>Strychnos henningsii</i> Gilg	T,S	F,RF,W,B,T	n/a
<i>Strychnos lucens</i> Bak.	T,C,S	RF,B,Ro	ZA Near End. no record TZ coast.
<i>Strychnos madagascariensis</i> Poir.	T,S	F,RF,W,B	n/a
<i>Strychnos panganensis</i> Gilg	S	F,RF,B,T	Z-I,MAD.
<i>Strychnos scheffleri</i> Gilg & Busse	C	Forest only	Z-I,AM.
<i>Strychnos spinosa</i> Lam.	T,S	RF,FE,W,B,G,WA,T	n/a
<i>Strychnos usambarensis</i> Gilg	T,S	F,RF,FE,B	n/a

LORANTHACEAE	PGF	HAB	DIS
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<u>Agelanthus longipes</u> (Bak. & Sprague) Polhill & Wiens	C	Forest only	Z-I Endemic to Pugu.
<u>Agelanthus scassellatii</u> (Chiov.) Polhill & Wiens	Forest only	Z-I,S-M.	
<u>Agelanthus subulatus</u> (Engl.) Polhill & Wiens	C	Forest only	Z-I,AM.
<u>Agelanthus</u> sp. (syn. <u>Tapinanthus</u> sp.)	n/a		
<u>Erianthemum dregei</u> (Eckl. & Zeyh.) Tieghem	S	F,W,B,T	Z-I,AM,S-M,ZA.
<u>Oliverella hildebrandtii</u> (Engl.) Tiegh.	S	F,B,T	AM,Z-I,S-M
<u>Spragueanella rhamnifolia</u> (Engl.) Balle	S	F,W,B,T	Z-I,AM Endemic T3,6,8 End. monospecific genus.

LYTHRACEAE	PGF	HAB	DIS
<u>Ammannia priuriana</u> Guill. & Perr.	H	Not forest,G,S	n/a
<u>Nesaea pedicellata</u> Hiern	H	Swamp	Z-I Near End. to T6; poss T7,9 ?

MALPHIGIACEAE	PGF	HAB	DIS
<u>Acridocarpus alopecurus</u> Sprague	C,S	Forest only	G-C,Z-I.
<u>Acridocarpus chloropterus</u> Oliv.	C,S	F,T	Z-I & Malawi 0-250m.
<u>Acridocarpus zanzibaricus</u> A. Juss.	S	FE,W,B,Ro	Z-I Near End.
<u>Triaspis mozambica</u> A. Juss.	C	F,RF,B,T	Z-I and inland.
<u>Tristellateia africana</u> S. Moore	C	F,W,B,T,Ro,Ma ngrove	Z-I Near End.

MALVACEAE	PGF	HAB	DIS
<u>Abutilon mauritianum</u> (Jacq.) Medic.	S	FE,G,Ro	n/a
<u>Abutilon zanzibaricum</u> Bojer	S		Z-I Near End. ?
<u>Gossypoides kirkii</u> (Mast.) Hutch.	S	FE,B,T	Z-I,T-P.
<u>Hibiscus cannabinus</u> L.	H	Not forest,G,S	n/a
<u>Hibiscus faulknerae</u> Vollesen	S	Forest only	Z-I Near End. 25-300m TZ,Moz,poss. Malawi.
<u>Hibiscus platycalyx</u> Mast. in Oliv.	S	Forest only	Z-I Near End.
<u>Hibiscus rostellatus</u> Guill. & Perr. (poss. <u>altissimus</u>)	O	Forest only	Z-I,G-C iso. pop.
<u>Hibiscus surattensis</u> L.	H	RF,FE,G,W	n/a
<u>Hibiscus tiliaceus</u> L.	T,B	RF,Seashore	n/a
<u>Hibiscus vitifolius</u> L.	S,H	Forest only	n/a
<u>Pavonia leptocalyx</u> (Sond.) Ulbr.	S,H	F,RF,B,T	Z-I,T-P.
<u>Sida cordifolia</u> L.	S	B,T,G,Wa	n/a
<u>Thespesia danis</u> Oliv.	S	Not forest,W,B,T	Z-I,S-M.
<u>Thespesia populnea</u> (L.) Correa	T,S	Mangrove & Shore	n/a

MELASTOMACEAE	PGF	HAB	DIS
<u>Dissotis debilis</u> (Sond.) Triana	H	RF,W,G,Sw	ZA,T-P,Z-I.
<u>Dissotis rotundifolia</u> (Sm.) Triana	H	RF,W,G,S	n/a
<u>Memecylon amaniense</u> (Gilg) A. & R. Fernandes	T,S	Forest only	Z-I,AM Near End. K7;T3,6.

<u>Memecylon flavovirens</u> Bak.	T,S	Not forest, W	ZA Near End. 990-1500m.
<u>Memecylon sansibaricum</u> Taub.	T,S	RF,F,W	Z-I, ZA Disjunct altitudinal ranges.
<u>Tristemma schliebenii</u> Markgraf	S	Swamp only	Z-I Endemic to Mafia.

MELIACEAE	PGF	HAB	DIS
<u>Khaya anthotheca</u> (syn. <u>K. nyasica</u>)	T	Forest only	n/a
<u>Lovoa swynnertonii</u> Bak.f.	T	Forest only	G-C, ZA, Z-I.
<u>Pseudobersama mossambicensis</u> (Sim) Verdc.	T	Forest only	T-P, Z-I Poss. Monospecific genus. or a <u>Trichilia</u> .
<u>Trichilia emetica</u> Vahl	T	F, RF, W	n/a
<u>Turraea mombassana</u> Hiern ex C. DC.	S	FE, W	AM, Z-I and inland.
<u>Turraea wakefieldii</u> Oliv. in Hook	T,S	Forest only	Z-I Near End.
<u>Xylocarpus granatum</u> Koenig	T	Mangrove	n/a
<u>Xylocarpus moluccensis</u> (Lam.) M. Roemer	T	Shore	Mafia, Z-I & Pantropic shore.

MELIANTHACEAE	PGF	HAB	DIS
<u>Bersama abyssinica</u> Fresen.	T	F, RF, W, G	Z-I, AM.

MENISPERMACEAE	PGF	HAB	DIS
<u>Albertisia undulata</u> (Hiern) Forman	L	n/a	
<u>Anisocycla blepharosepala</u> Diels	L,S	Riverine only	Z-I & S.Zim, S.Moz. iso. pop.
ssp. <u>tanzaniensis</u> Vollesen	n/a		
<u>Cissampelos pareira</u> L.	L	F, FE, W, B	Z-I, AM, Deccan, SEAS.
<u>Dioscoreophyllum volkensii</u> Engl.	L	Forest only	Z-I, G-C.
<u>Jateorhiza palmata</u> (Lam.) Miers	L	Forest only	Z-I, G-C, Malawi, Mauritius.
<u>Tiliacora funifera</u> (Miers) Oliv.	L	F, RF, B	AM, G-C, ZA T6,8 also.
<u>Tinospora caffra</u> (Miers) Troupin	L	F, B, Ro	AM, ZA, S-M, LV, SUD.
<u>Tinospora oblongifolia</u> (Engl.) Troupin	L	F, B	Z-I Near End. K7; T3,6; Z.
<u>Triclisia sacleuxii</u> (Pierre) Diels	L	Forest only	Z-I, ZA, G-C.

MONTINIACEAE	PGF	HAB	DIS
<u>Grevea eggelingii</u> Milne-Redh.	T,S	RF, FE, W, T	Z-I Near End. other sp. in gen in MAD.
<u>Grevea madagascariensis</u> Baill.	F,W	Z-I & MAD (K7 only)	n/a

MORACEAE	PGF	HAB	DIS
<u>Antiaris toxicaria</u> Lesch.	T	Forest only	Z-I, AM, G-C, ZA; Monospecific genus.
<u>Bosqueiopsis gillettii</u> De Wild. & Th. Dur.	S	Not forest, B	Z-I (shrubs), G-C (herbs); Monospecific genus.
<u>Dorstenia alta</u> Engl.	S	Forest only	Z-I, G-C.
<u>Dorstenia hildebrandtii</u> Engl.	H	F, RF, W, B, T, Ro	Z-I, ZA, AM.
<u>Dorstenia kameruniana</u> Engl.	S	Forest only, ?W	Z-I, ZA, AM, G-C.

<u>Dorstenia psilurus</u> Welw.	S,H	RF only	G-C,Z-I,ZA.
<u>Dorstenia tayloriana</u> Rendle	H	Forest only	Z-I,AM.
<u>Ficus exasperata</u> Vahl	T,S	Forest only	n/a
<u>Ficus glumosa</u> Del.	T	Not forest,B,G,Ro	n/a
<u>Ficus ingens</u> (Miq.) Miq.	T	FE,B,G,Ro,S	n/a
<u>Ficus lingua</u> De Wild. & Th. Dur.	T	F,B,Ro	Z-I Near End. 0-50m K7;T6;P;Moz.
<u>Ficus lutea</u> Vahl	T	Forest only?,S,WA	n/a
<u>Ficus natalensis</u> Hochst.	T,S	F,W,S,WA	Z-I,ZA,AM.
<u>Ficus platyphylla</u> Del.	T	Not forest,W,Ro	U1,3,SAHELIAN Found in Selous.
<u>Ficus scassellatii</u> Pamp. (syn. <u>F. kirkii</u>)	T	Forest only	ZA,Z-I,AM.
<u>Ficus sur</u> Forssk.	T	F,RF,FE,G	n/a
<u>Ficus sycomorus</u> L.	T	RF,FEW,S,Ro	n/a
<u>Ficus tremula</u> Warb.	T,S	F,W,B	Z-I,T-P,G-C 1650- 2300m.
<u>Maclura africana</u> (Bureau) Corner	T,C,S	F,RF,B	Z-I,ZA.
<u>Milicia excelsa</u> (Welw.) C.C. Berg (<u>Chlorophora e.</u>)	T	Forest only,WA	n/a
<u>Sloetiopsis usambarensis</u> Engl.	T,S	Forest only	G-C,Z-I.
<u>Trilepisium madagascariensis</u> DC.	T	Forest only	Monospecific genus.

MUSACEAE	PGF	HAB	DIS
<u>Ensete edule</u> (J.F. Gmel.) Horan	T	Forest only	AM,LV,ZA.

MYRTACEAE	PGF	HAB	DIS
<u>Eugenia</u> sp. 1	T	Forest only?	Mozambique only?.
<u>Eugenia</u> sp. 2	S,H	?	Zambia.
<u>Syzygium cordatum</u> Hochst. ex Krauss	T	RF only?	ZA,AM,Z-I.
<u>Syzygium guineense</u> (Willd.) DC.	T	Forest only	n/a

NYMPHAECEAE	PGF	HAB	DIS
<u>Nymphaea nouchali</u> Burm. f.	H	Swamps,lakes	n/a

OCHNACEAE	PGF	HAB	
<u>Brackenridgea zanguebarica</u> Oliv.	T,S	Forest only	Z-I,AM.
<u>Ochna holstii</u> Engl., vel sp. aff	T	Forest only	AM ? 915-2375m.
<u>Ochna holtzii</u> Gilg	S	Forest only,T	Z-I Near End. T6,8;K7.
<u>Ochna kirkii</u> Oliv.	T,S	Forest only,W?	Z-I,MAD.
<u>Ochna mossambicensis</u> Klotzsch	T,S	F,B	Z-I Near End.
<u>Ochna thomasiana</u> Engl. & Diels	T,S	Forest only	Z-I Near End.

OLACACEAE	PGF	HAB	DIS
<u>Olax dissitiflora</u> Oliv.	T,S	F,T	Z-I,T-P,MAD 15- 1600m.
<u>Olax obtusifolia</u> De Wild.	T,S	Forest only	AM,ZA.
<u>Olax pentandra</u> Sleumer	T,S	Not forest,W	Z-I Endemic to Lake Lutamba & Selous.

OLEACEAE	PGF	HAB	DIS
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<u>Chionanthus mildbraedii</u> (Gilg & Schellenb.) Stearn	T	Forest only	AM.
<u>Jasminum fluminense</u> Vell.	C,S	F,RF,W,B,G,Ro,S	n/a
<u>Jasminum meyeri-johannis</u> Engl.	T,C,S	F,RF,B	Z-I,AM,ZA.
<u>Jasminum streptopus</u> E. Mey	S	F,B,T	S-M,Z-I,ZA.
<u>Olea europaea</u> L. ssp. <u>africana</u> (Mill.)P.S. Green	T,S	F,W,G	n/a

ONAGRACEAE	PGF	HAB	DIS
<u>Ludwigia erecta</u> (L.) Hara	H	Swamp only	n/a
<u>Ludwigia jussiaeoides</u> Desr. (syn. <u>Jussiaea j.</u>)	H	Swamp only	Z-I,MAD.
<u>Ludwigia octovalvis</u> (Jacq.) Raven	S,H	Swamp only	n/a

ORCHIDACEAE	PGF	HAB	DIS
<u>Aerangis carnea</u> J. Stewart	E	Forest only	T7,Malawi 1430-1830m.
<u>Aerangis kirkii</u> (Reichb.f.) Schltr.	E	F,B	Z-I,S-M 0-450m.
<u>Bulbophyllum maximum</u> (Lindl.)Reichb.f. (= <u>B. oxy.</u>)	E	RF,W.	
<u>Bulbophyllum</u> sp.	n/a		
<u>Eulophia fridericii</u> (Reichb.f.) A.V. Hall	H	Not forest,W,G,Ro	ZA Near End. 870-2110m inc. T8.
<u>Habenaria stylites</u> Reichb.f. & S. Moore	H	FE,G	Z-I,ZA.
<u>Liparis</u> sp.	n/a		
<u>Microcoelia exilis</u> Lindl.	E	F,RF,FE,W,B	Z-I,T-P,ZA,MAD.
<u>Microcoelia globulosa</u> (Hochst.) L. Jonsson	E	F,RF,FE,B	n/a
<u>Oeceoclades saundersiana</u> (Reichb.f.)Garay & P.Taylor	H	F,B	G-C,Z-I,ZA
<u>Polystachya bicarinata</u>	H,E	Forest only	G-C Near End. 1800-2600m.
<u>Polystachya tessellata</u> Lindl.	E	Forest only	n/a
<u>Vanilla roscheri</u> Rchb.f.	L	Not forest,B,Ro,M.	Z-I and inland 0-750m.

OXALIDACEAE	PGF	HAB	DIS
<u>Biophytum helenae</u>	H	RF,FE,W,G	G-C,ZA 790-1980m also T8.
<u>Biophytum petersianum</u> Klotzsch	H	Not forest,W,G,S,W A	n/a
<u>Biophytum umbraculum</u> Welw.	H		n/a

PANDANACEAE	PGF	HAB	DIS
<u>Pandanus rabaiensis</u> Rendle	T	FE,B?	Z-I,AM Near End.

PASSIFLORACEAE	PGF	HAB	DIS
<u>Adenia gummifera</u> (Harv.) Harms	C	F,B	Wide Eastern Africa & MAD.
<u>Adenia kirkii</u> (Mast.) Engl.	C	F,G	Z-I and inland T2 0-700m.

<i>Adenia lindiensis</i> Harms	C	FE,B	Z-I,AM Near End.
<i>Adenia rumicifolia</i> Engl.	L	RF,FE,B,S	n/a
<i>Adenia schliebenii</i> Harms	C	F,B	Z-I Near End. T8 & Mozambique.
<i>Basananthe hanningtoniana</i> (Mast.) De Wilde	S	FE,B	Z-I,ZA,S-M.
<i>Basananthe zanzibarica</i>	C	F,B	Z-I Near End. K7;T6,7 0-450m.
<i>Paropsia braunii</i> Gilg	T,S	F,T	Z-I Near End.
<i>Passiflora foetida</i> L.	C	Not forest, W	Introduced.
<i>Schlechterina mitostemmatoides</i> Harms	L,S	F,RF,B	Z-I,T-P.

POACEAE (GRAMINAE)	PGF	HAB	DIS
<i>Alloteropsis papillosa</i> Clayton	G	Not forest, G	S-M,Z-I,T-P.
<i>Bothriochloa glabra</i> (Roxb.) A. Camus (syn. <i>B. bladonii</i>)	G	RF,S.	
<i>Cymbopogon caesius</i> (Hook. & Arn.) Stapf	G	B,G,Ro	n/a
<i>Cyrtococcum chaetophoron</i> (Roem. & Schult.) Dandy	G	Forest only	G-C,Z-I.
<i>Digitaria gymnostachys</i> Pilg.	G	Not forest, W,G	Z-I,T-P.
<i>Digitaria milaniana</i> (Rendle) Stapf	G	Not forest, B, WA	Z-I//SAHEL,S-M,Deccan no record TZ Coast.
<i>Diheteropogon amplexans</i> (Nees) Clayton	G	Not forest, B, W, Ro	n/a
<i>Eragrostis abrumpens</i> Kabuye	G	Not forest, Wa	Z-I Endemic to.
<i>Eragrostis ciliaris</i> (L.) R. Br.	G	Wasteland only	n/a
<i>Eragrostis tenella</i> (L.) Roem. & Schult.	G	Shores, W	n/a
<i>Erichloa fatmensis</i> (Hochst. & Steud.) Clayton	G	S, WA	n/a
<i>Humbertochloa greenwayi</i> C. E. Hubbard	G	Forest only	Z-I Endemic to Pugu other sp in gen in MAD.
<i>Hylebates chlorochloe</i> (K. Schum.) Napper	G	F,B	Z-I,AM Near End; monospecific genus.
<i>Hyperthelia dissoluta</i> (Steud.) Clayton	G	Not forest, W,B, WA	n/a
<i>Leptochloa uniflora</i> A. Rich	G	Not forest, W,B, WA	n/a
<i>Loudetia simplex</i> (Nees) Hubbard	G	Not forest, W,B, Ro, S	n/a
<i>Megastachya mucronata</i> (Poir.) P. Beauv.	G	Forest only	Monospecific genus.
<i>Olyra latifolia</i> L.	G	FE, WA	Introduced.
<i>Oplismenus compositus</i> (L.) P. Beauv.	G	Forest only	n/a
<i>Oryza eichingeri</i> Peter	G	?Forest only, S	Z-I,G-C,Deccan.
<i>Oryza punctata</i> Steud.	G	Swamp only	n/a
<i>Oxytenanthera abyssinica</i> (A. Rich.) Munro	G	Not forest, W	Z-I,ZA,SAHELIAN; monospecific genus.
<i>Panicum brevisfolium</i> L.	G	Forest only	n/a
<i>Panicum deustum</i> Thunb.	G	F,FE,B,G	n/a
<i>Panicum heterostachyum</i> Hack.	G	Not forest, W,B	n/a
<i>Panicum infestum</i> Peter	G	Not forest, W,B,S	n/a

<u>Panicum laticomum</u> Nees	G	Forest only	Z-I,T-P,ZA.
<u>Panicum maximum</u> Jacq.	G	Not forest, W,B,Ro,S,WA	n/a
<u>Panicum peteri</u> Pilg.	G	F,W	Z-I & Zimbabwe 100-800m.
<u>Panicum pleianthum</u> Peter	G	Forest only	Z-I Near End.
<u>Panicum trichocladum</u> K. Schum.	G	F,B	n/a
<u>Paspalum glumaceum</u> Clayton	G	FE,S	Z-I,ZA,S-M,MAD.
<u>Paspalum scrobiculatum</u> L.	G	Wasteland	n/a
<u>Pennisetum purpureum</u> Schumach.	G	n/a	
<u>Perotis patens</u> Grand.	G	Wasteland	300-2000m.
<u>Sacciolepis curvata</u> (L.) Chase	G	Wasteland	Z-I,ZA,T-P,MAD,Deccan.
<u>Schizachyrium sanguineum</u> (Retz.) Alston	G	Not forest,B,W,Ro	n/a
<u>Setaria megaphylla</u> (Steud.) Th. Dur & Schinz	G	Forest only	n/a
<u>Sporobolus tenuissimus</u> (Schrank) Kuntze	G	Wasteland	n/a
<u>Stenotaphrum dimidiatum</u> (L.) Brongn.	G	Shore	Introduced inland 0-10m.

POLYGALACEAE	PGF	HAB	DIS
<u>Carpolobia goetzei</u> Guerke (not <i>Polygala</i> g.)	T,S	F,W,B,T	Z-I Near End.
<u>Polygala sphenoptera</u> Fresen	S,H	FE,B,G,WA	n/a

PORTULACACEAE	PGF	HAB	DIS
<u>Portulaca oleracea</u> L.	H	Wasteland	n/a

RHAMNACEAE	PGF	HAB	DIS
<u>Colubrina asiatica</u> (L.) Brongn.	T,C,S	Shore	n/a
<u>Helinus integrifolius</u> (Lam.) Kuntze	C	FE,W,B,T	S-M,Z-I,ZA,AM.
<u>Lasiodiscus holtzii</u> Engl.	S	Not forest,W?	Z-I Endemic to Pugu 100-200m.
<u>Lasiodiscus pervillei</u> Baill.	S,T	F,W	ZANZIBAR & MAD.
<u>Ziziphus mucronata</u> Willd.	T,S	RF,W,G	n/a
<u>Ziziphus pubescens</u> Oliv.	T,S	F,W,G	n/a

RHIZOPHORACEAE	PGF	HAB	DIS
<u>Bruguiera gymnoriza</u> (L.) Lam.	T	Mangroves	n/a
<u>Cassipourea malosana</u> (Bak.) Alston	T	Forest only	AM 1100-2600m.
<u>Ceriops tagal</u> (Perr.) C.B. Robinson	T	Mangroves	n/a
<u>Rhizophora mucronata</u> Lam.	T	Mangroves	n/a

RUBIACEAE	PGF	HAB	DIS
<u>Agathisanthemum bojeri</u> Klotzsch	S,H	FE,W,B,T,WA	Z-I,S-M,ZA.
<u>Aida</u> sp. Procter 2813 (sp. aff <i>gardneri</i>)	S	Forest only	Z-I End. T3,6 250-300m.
<u>Burrtdavva nyassica</u> Hoyle	T	Forest only	Z-I Near End. Endemic monotypic genus.
<u>Canthium impressinervium</u> Bridson	T,S	F,B,T	Z-I Endemic to T8
<u>Canthium mombazense</u> Baill.	T,S	F,W,B	Z-I Near End.

<u>Canthium peteri</u> Bridson	S	F,RF,T	Z-I Near End.K7;T3,6,8 30-450m.
<u>Canthium setiflorum</u> Hiern	S	F,B,T	Z-I,ZA,T-P.
<u>Chassalia umbraticola</u> Vatke	S	F,FE,W,B,WA	CHECK DISTRIBUTION.
<u>Chazaliella abrupta</u> (Hiern) Petit & Verdc.	S	F,W	Z-I,ZA.
<u>Cladoceras subcapitatum</u> (K.Schum.& K.Krause)Bremek.	S	F,B	Z-I Near End.K7;T3,6
<u>Coffea pseudozanguebariae</u> Bridson	T,B	F,B	Z-I Near End. K7;T3,6;Z.
<u>Coffea sessiliflora</u> Bridson ssp. <u>mwasumbii</u> Bridson	S	Forest only	T7 and Pugu.
<u>CreMASpora triflora</u> (Thonn.) K. Schum.	T,S	F,RF,B,T	n/a
<u>Crossopteryx febrifuga</u> (G. Don) Benth.	T	F,W,B,Ro	Monotypic genus.
<u>Gardenia ternifolia</u> Schumach. & Thonn.	T,S	Not forest,W,B,G	n/a
<u>Gardenia transvenulosa</u> Verdc.	T,S	F,W,B	Z-I Near End. K7;T3,6,8 10-700m.
<u>Gardenia volkensii</u> K. Schum.	T,S	Not forest,W,B,T,Ro,S	n/a
<u>Geophila obvallata</u> (Schumach.)F.Didr. ssp. <u>ioides</u> (K. Schum.)Verdc.	H	F,W	Z-I,LV.
<u>Heinsia crinita</u> (Afz.) G. Taylor	T,S	FE,B	Z-I,ZA.
<u>Hymenodictyon parvifolium</u> Oliv.	T,S	Not forest,W,B,T,Ro	ZA,S-M,Z-I.
<u>Ixora narcissodora</u> K. Schum.	T,S	Forest only,S	Z-I,ZA.
<u>Keetia gueinzii</u> (Sond.) Bridson(= <u>Canthium hispidum</u>)	L,S	F,W,S.	
<u>Keetia venosa</u> (Oliv.) Bridson (syn <u>Canthium v.</u>)	T,C,S	FE,T	275-1525m.
<u>Keetia zanzibarica</u> (Klotzsch) Bridson (syn <u>C.z.</u>)	T,S,L	F,FE,B,T,S	G-C,ZA,Z-I,S-M.
<u>Kraussia kirkii</u> (Hook.f.) Bullock	S	F,W,B,Mangroves	Z-I Near End.
<u>Leptactina oxyloba</u> K. Schum.	S	Not forest,T,G	Z-I Endemic to T6.
<u>Leptactina platyphylla</u> (Hiern) Wernham	T,S	F,W,B	n/a
<u>Leptactina</u> sp. A of FTEA	S	Forest only	Pande endemic
<u>Meyna tetraphylla</u> (Hiern) Robyns	T,S	F,RF,W,B,T	SUD,Z-I,Comoros iso.pop.
<u>Mussaenda monticola</u> K. Krause	T,S	Forest only	Z-I Near End.
<u>Oldenlandia fastigiata</u> Bremek	H	Not forest,W,WA	?
<u>Oldenlandia goreensis</u> (DC.) Summerh.	H	Not forest,W	?
<u>Oldenlandia johnstonii</u> (Oliv.) Engl.	H	F,W,G,Ro	Z-I,AM.
<u>Oxyanthus</u> sp. nov.	n/a		
<u>Oxyanthus zanguebaricus</u> (Hiern) Bridson	T,S	Forest only	Z-I Near End. 60-240m.
<u>Pavetta crebifolia</u> Hiern	S	F,B	Z-I,AM Near End.
<u>Pavetta pseudo-albicaulis</u> Bridson	S	Not forest,WA	Z-I Near End. T8,Moz.
<u>Pavetta refractifolia</u> K. Schum.	S	F,W,T	Z-I and inland 150-1320m.

<u>Pavetta schumanniana</u> K. Schum.	T,S	Not forest,W	ZA,G-C, 360-2400m.
<u>Pavetta sphaerobotrys</u> K. Schum.	T,B	Forest only	Z-I Near End.
<u>Pavetta</u> sp. nov., not matched at Kew		Forest only	Z-I Endemic to Matumbi.
<u>Pavetta stenosepala</u> K. Schum.	S	F,B,T	Z-I,AM Near End.
<u>Pavetta uniflora</u> Bremek. (syn. <u>P. sennii</u>)	T,S	F,W,B	Z-I Near End. 0-150m.
<u>Pentas bussei</u> Krause	S,H	F,W,B,G,Ro,W A	Z-I,ZA.
<u>Pentas micrantha</u> Bak. ssp <u>Wyliei</u> (N.E. Br.)Verdc.	H	F,W,B,Ro,S,W A	Z-I,ZA,T-P.
<u>Pentas parvifolia</u> Hiern	S	F,W,B,T,G,Ro	Z-I,AM.
<u>Pentodon pentandrus</u> (Schumach. & Thonn.) Vatke	H	Swamp only	n/a
<u>Polysphaeria braunii</u> K. Krause	S	Forest only	Z-I Near End.
<u>Polysphaeria multiflora</u> Hiern	T,S	F,W,B,T,WA	Z-I,MAD.
<u>Polysphaeria parvifolia</u> Hiern	T,S	F,W,B,T,WA	Z-I Near End. (inc. Somalia).
<u>Porterandia penduliflora</u> (K. Schum.) Keay	T,S	Forest only	Z-I Near End. T3,6,8 250-960m.
<u>Psychotria amboniana</u> K. Schum.	S	F,T,G	Z-I Near End. K7;T3,6 0-300m.
<u>Psychotria faucicola</u> K. Schum.	S	Forest only	AM,Z-I Near End. K7;T3,6-8.
<u>Psychotria holtzii</u> K. Schum.	S	F,RF,T	Z-I Near End. K7;T3,6
<u>Psychotria kirkii</u> Hiern	S,H	Not forest,W	?
<u>Psychotria lauracea</u> (K. Schum.) Petit	T,S	F,RF,T,S	Z-I,AM.
<u>Psychotria linearisepala</u> Petit	S	RF,W,Ro	ZA 630-1500m.
<u>Psychotria punctata</u> Vatke	S	F,W,B,Ro	Z-I and Comoros.
<u>Psychotria riparia</u> (K. Schum. & K. Krause) Petit	T,S	RF,FE,W,B,Ro	Z-I,ZA,S-M.
<u>Psychotria schliebenii</u> Petit	S	Forest only	Z-I,AM Near End.
<u>Psydrax faulknerae</u> (syn <u>Canthium</u> f.)	T,S	Not forest,W,B,T	Z-I Near End.
<u>Psydrax micans</u> (syn. <u>Canthium</u> m.)	T,L,S	F,T	Z-I Near End. 120- 700m.
<u>Psydrax schimperiana</u> (A.Rich)Bridson (= <u>Canthium</u> s.)	T,S	F,B,T	n/a
<u>Pyrostria bibracteata</u> (Bak.) Cavaco (= <u>Canthium</u> b.)	T,S	FE,B	Z-I & Zim,MAD
<u>Rothmannia macrosiphon</u> (Engl.) Bridson	T,B	Forest only	Z-I Near End. 60- 450m.
<u>Rothmannia manganjae</u> (Hiern) Keay	T,S	Forest only	Z-I,AM,ZA 230- 1800m.
<u>Rothmannia ravae</u> (Chiov.) Bridson	T,S	F,B	Z-I Near End.
<u>Rytigynia bugoyensis</u> (K. Krause) Verdc.	T,S	F & Heath	AM 900-2400m.
<u>Rytigynia celastroides</u> (Bak.) Verdc. (syn. <u>R. micro.</u>)	T,S	F,RF,W,B,T,G	Z-I and inland.
<u>Rytigynia decussata</u> (K. Schum.) Robyns	S	Not forest,W,T,G	I Near End.
<u>Rytigynia monantha</u> (K. Schum.) Robyns	T,S	F,RF,W,B,T,Ro	AM,ZA 900-1800m.
<u>Rytigynia pergracilis</u> Verdc.	S	Not forest,W	Z-I Near End. T6,8.
<u>Rytigynia</u> sp.	D	T,S	n/a
<u>Rytigynia</u> sp.	SI	S	n/a

<u>Rytigynia</u> sp.	K	H	n/a
<u>Rytigynia</u> sp.	L	T	n/a
<u>Spermacoce dibrachiata</u> Oliv.	H	FE, W, G, S, Wa	AM
<u>Tapiphyllum burnetti</u> Tennant	T, S	Not forest, W, T, Ro	ZA inc. T6, 8.
<u>Tarenna drumondii</u> Bridson	T, S	F, W	Z-I Near End. 100-460m.
<u>Tarenna littoralis</u> (Hiern) Bridson	T, S	B, Shore	Z-I, T-P, ZA 0-105m.
<u>Tarenna nigrescens</u> (Hook.f.) Hiern	T, C, S	FE, B	Z-I, MAD & Comoros 0-350m.
<u>Tarenna supra-axillaris</u> (Hemsl.) Bremek.	T, S	Forest only, M.	Z-I, Zimbabwe, Aldebra.
<u>Tricalysia allocalyx</u> Robbrecht	S	F, T	Z-I Endemic to Pugu, Kichi Hills.
<u>Tricalysia bridsoniana</u> Robbrecht var. <u>pandensis</u> RobbrSecht	S	Pande endemic	n/a
<u>Tricalysia microphylla</u> Hiern	S	Forest only	Z-I Near End.
<u>Tricalysia ovalifolia</u> Hiern	T, S	F, B, T, G	Z-I, MAD 461, 878, 1034, NCI P, K
<u>Tricalysia pallens</u> Hiern (syn. <u>T. myrtifolia</u>)	T, S	F, RF, FE, B	110, 185, 301?, 309, 1197, 1230
<u>Tricalysia ruandensis</u> Bremek.	T, S	RF, W, B, Ro	AM, ZA, Z-I
<u>Tricalysia</u> sp. nov. not matched at Kew	Forest only	Z-I Endemic	634
<u>Vangueria madagascariensis</u> Gmel.	T, S	F, RF, W, B, G, Ro	758
<u>Vangueria randii</u> S. Moore	T, S	F, W, T	Z-I Near End 494

RUTACEAE	PGF	HAB	DIS
<u>Clausena anisata</u> (Willd.) Benth	T, S	F, FE, B, G	73, 78, 263, 519, 1112
<u>Teclea amaniensis</u> Engl.	S	F, FE, B	AM, Z-I Near End. K7; T3, 6 360-2000m
<u>Teclea simplicifolia</u> (Engl.) Verdoorn	T	F, B, G	AM, Z-I 300-2300m NCI K, 1451
<u>Teclea trichocarpa</u> (Engl.) Engl.	T, S	F, RF, G	Z-I, AM NCI K
<u>Toddalia asiatica</u> (L.) Lam.	C, S	FE, B, G	monospecific genus
<u>Toddaliopsis sansibarensis</u> (Engl.) Engl.	T, S	F, B	Z-I Near End. 601, 1010, 1124
<u>Vepris eugeniifolia</u> (Engl.) Verdorn	S	F, W, B	Z-I, S-M 691
<u>Vepris lanceolata</u> (Lam.) G. Don	S	Thicket only	Z-I, T-P, MAS
<u>Zanthoxylum chalybeum</u> Engl.	T, S	Not forest, W, B	S-M, ZA, Z-I, G-C 620
<u>Zanthoxylum holtzianum</u> (Engl.) Waterm.	T, S	F, B	Z-I Near End. 1-230m 1073, NCI P
<u>Zanthoxylum lindense</u> (Engl.) Kokwaro	T, S	Not forest, W, B	Z-I Near End. 6-200m T6, 8 286, 627

SALVADORACEAE	PGF	HAB	DIS
<u>Azima tetraacantha</u> Lam.	S	Not forest, B, WA	1398
<u>Dobera glabra</u> (Forsk.) Poir.	T, S	Thicket only	S-M, not recorded for Tanzania??
<u>Dobera loranthifolia</u> (Warb.) Harms	T	F, T, G	Z-I indicates very alkaline soils
<u>Salvadora persica</u> L.	T, S	RF, T	1211

SAPINDACEAE	PGF	HAB	DIS
<u>Allophylus africanus</u> P. Beauv.	T	F,RF,FE,W,T,G ,Wa	587,746
<u>Allophylus pervillei</u> Blume	C,S	Forest only	Z-I,MAD 510,513A,1008,1199,1 236,1308
<u>Allophylus rubifolius</u> (A. Rich) Engl.	T,S	F,RF,W,B,T	Z-I,ZA,S-M 831
<u>Aporrhiza nitida</u> Gilg	T	Forest only	ZA,Z-I & Nigeria
<u>Aporrhiza paniculata</u> Radlk.		Not forest,?W,?B	ZA,Z-I,SUD,AM
<u>Blighia unijugata</u> Baker	T	F,RF,G	NCI P,K,1473
<u>Chytranthus obliquinervis</u> Radlk.	S	Forest only	Z-I Near End. T3;K7 0- 900m
<u>Crossonephelis africanus</u> (Radlk.) Leenh.	?	Z-I & G-C iso. pop.	
<u>Deinbollia borbonica</u> Scherff	T,S	F,RF,W,B,T	Z-I,MAD,ZA 221
<u>Haplocoelopsis africana</u> F.G. Davies	T	F,T	Z-I Endemic T6,8;K7 0-700m Z-I Endemic genus 149 No specimen UDSM, Pugu,Makonde Thicket,Ruvu South
<u>Haplocoelum foliolosum</u> (Hiern) Bullock	T,S	Not forest,W,B,Ro,S	NCI P
<u>Haplocoelum inopleum</u> Radlk.	T	F,RF,B,T	Z-I Near End. T3,6,8;K7,Jubba NCI K
<u>Haplocoelum trigonocarpum</u> Radlk.	T,S	F,RF,T	Z-I Near End. T3,6,8;K7;P & Moz. 1- 300m
<u>Lecaniodiscus fraxinifolius</u> Bak.	T	Forest, poss. W	Z-I,LV & Zambezi,Shire Rivers 3 iso. pops.
<u>Lepisanthes senegalensis</u> (Poir.) Leenh.	T	F,RF	783,1244B,1443,1490
<u>Macphersonia hildebrandtii</u> O. Hoffm.	T,S	RF?	Z-I,MAD,Comoros 1430
<u>Pancovia golungensis</u> (Hiern) Exell & Mendonca	T,S	Forest only	ZA,AM? First TZ record 1980
<u>Pancovia hildebrandtii</u> Gilg	Forest only ?	Z-I Endemic to T6,K7 New to TZ? No spec. UDSM	
<u>Pancovia holtzii</u> Gilg	S	F,RF,T	Z-I Near End. NCI K,13??NCI K
<u>Pancovia</u> sp. nov., not matched at Kew		Forest only	Z-I Endemic to Kiono 413,522
<u>Paullinia pinnata</u> L.	L,S	F,FE,T	14,118,395,695
<u>Stadmania oppositifolia</u> Poir. in Lam.	T	Z-I,MAD,ZA	monospecific genus No specimen UDSM

SAPOTACEAE	PGF	HAB	DIS
<u>Afrosersalisia kaessneri</u> (Engl.) J.H. Hemsl.	S	Forest only	G-C,Z-I & Zimbabwe K7;T8? 0-400m
<u>Aningeria pseudoracemosa</u> J.H. Hemsl.	T	Forest only	Z-I Near End. T3,6

<u>Bequaertiodendron magalismotanum</u> (Sond.)Heine&Hemsl.	T,S	RF,W	103
<u>Inhambanella henriquesii</u> (Engl. & Warb.) Dubard	T	Forest only,S	T-P,Z-I and inland along rivers
<u>Malacantha alnifolia</u> (Baker) Pierre	T	Forest only,S 155	
<u>Manilkara discolor</u> (Sond.) J.H. Hemsl.	T	Forest only	AM,ZA 400-2100m TZ01P
<u>Manilkara mochisia</u> (Baker) Dubard	T,S	Not forest,B,T,WA	ZA,Z-I
<u>Manilkara sansibarensis</u> (Engl.) Dubard	T	F,W,B	Z-I Near End. 0-300m 120,976,NCI K,1515B
<u>Manilkara sulcata</u> (Engl.) Dubard	T	F,W,B,T,Heath	Z-I and inland CHECK 492,1045,1046,NCI P,K,1433,1471
<u>Mimusops fruticosa</u> A. DC.	T,S	F,RF,B	Z-I,MAD & Zim.
<u>Pachystela brevipes</u> (Baker) Engl.	T	Forest only	
<u>Sideroxylon inerme</u> L.	T,S	Not forest,W,B,T	Z-I,T-P & Aldebra
ssp. <u>diospyroides</u> (Baker) J.H.			Z-I,T-P
<u>Vitellariopsis kirkii</u> (Baker) Dubard	T,S	F,B	Z-I Near End. T3,6;K7 0-400m Rare

SCROPHULARIACEAE	PGF	HAB	DIS
<u>Alectra</u> sp.			765
<u>Bacopa crenata</u> (P. Beauv.) Hepper	H	W	939
<u>Bacopa floribunda</u> (R. Br.) Wettst.	H	FE,B,Ro	1219B
<u>Limnophila indica</u> (L.) Druce	H	W	1358
<u>Micrargeria filiformis</u> (Schumach.&Thonn.)Hutch.&Dalz	H	W,G	1403
<u>Torenia thouarsii</u> (Cham. & Schlect.) Kuntze		Swamp only	1357

SIMAROUBACEAE	PGF	HAB	DIS
<u>Harrisonia abyssinica</u> Oliv.	T,S	F,RF,FE,B,T,G	2,1321A

SOLANACEAE	PGF	HAB	DIS
<u>Solanum goetzei</u> Dammer	S,H	Forest only?	Z-I,AM,ZA
<u>Solanum zanzibarensis</u> Vatke	S,H	Not forest,W,B,T,G	Z-I,ZA 558,1397B

SONNERATIACEAE	PGF	HAB	DIS
<u>Sonneratia alba</u> Sm.	T	Mangrove	1352,1519

STERCULIACEAE	PGF	HAB	DIS
<u>Byttneria fruticosa</u> K. Schum.	S	Forest only	AM Endemic to East Usambaras
<u>Cola clavata</u> Mast.	T	RF only?	Z-I Near End. Mozambique,T6,8 NCI P,K
<u>Cola discoglypsemnophylla</u> Brenan & Jones	T	Forest only?	Z-I Near End. T8 & Moz. 687

<u>Cola microcarpa</u> Brenan	T,S	Forest only	AM Near End. 51,198,229,1031,1042, NCI P,K
<u>Cola minor</u> Brenan		Forest only ??	Z-I Endemic to Shimba Hills
<u>Cola octoloboides</u> Brenan	T,S	Forest,Ro	Z-I Endemic to K7
<u>Cola uloloma</u> Brenan	T	Forest only	Z-I Endemic to T3,6;K7 30-500m
<u>Dombeya acutangula</u> Cav.	S	Forest only	Z-I,ZA 1229
<u>Dombeya cincinnata</u> K. Schum.	T,S	RF,W,B,T	ZA,Z-I
<u>Heritiera littoralis</u> Dryand	T	Mangrove	1290
<u>Hermannia exappendiculata</u> (Mast.) K. Schum.	H	Not forest,W,B,T	Z-I Near End. T3,6;K7
<u>Nesogordonia holtzii</u> (Engl.)Capuron (= <u>N.parvifolia</u>)	T,S	F,W	Z-I Near End. T3,6,8;K7 & Mozambiq. ?
<u>Pterygota</u> sp.			
<u>Sterculia africana</u> (Lour.) Fiori	T	FE,W	S-M,ZA,Z-I 598,1110
<u>Sterculia appendiculata</u> K. Schum.	T	Forest only	Z-I,ZA 367
<u>Sterculia schliebenii</u> Mildbr.	T	F,W	Z-I Endemic to T8;K7 inc. Lake Lutamba
<u>Waltheria indica</u> L.	H	Not forest,W,B,T,G	926,946

TACCACEAE	PGF	HAB	DIS
<u>Tacca leontopetaloides</u> (L.) Kuntze	H	Not forest,W,B,G	only species in family in E.Africa

TECOPHILEACEAE	PGF	HAB	DIS
<u>Cyanastrum hostifolium</u> Engl.	H	F,RF,FE,W,T	Z-I Near End. 69,653

THYMELEACEAE	PGF	HAB	DIS
<u>Synaptolepis kirkii</u> Oliv.	C,S	F,W,B	Z-I,T-P NCI P,246,278,442,1009

TILIACEAE	PGF	HAB	DIS
<u>Carpodiptera africana</u> Mast. in Oliv.	T,S	Not forest,W,B,T	Z-I,MAD
<u>Corchorus trilocularis</u> L.	H	Not forest,G,WA	825
<u>Grewia bicolor</u> Juss.	T,S	F,FE,W,B,T	
<u>Grewia calymmatosepala</u> K. Schum.	S	Forest only	Z-I Near End. T3,6;K7 1243
<u>Grewia conocarpa</u> K. Schum.	T,S	F,T	Z-I Near End. 449,755,861
<u>Grewia ectasicarpa</u> S. Moore	L,S	Forest only	Z-I Near End. T3,6;Z;K7
<u>Grewia forbesii</u> Mast.	T,S	F,W,B,T,Wa	Z-I & Malawi 437,812,NCI K
<u>Grewia glandulosa</u> Vahl	T,S	Thicket only	Z-I Near End. 1374
<u>Grewia goetzeana</u> K. Schum.	T,S	F,RF,FE,W,G	Z-I Near End. 356,648,815,NCI K
<u>Grewia holstii</u> Burret	T,L,S	F,FE,W,B,T	Z-I Near End. 571,1084

<u>Grewia lepidopetala</u> Gareke	T,S	RF only	Z-Iand inland to Zim & Malawi 516
<u>Grewia leptopus</u> Ulbr.	S	F,T	Z-I Endemic to T6,8 NCI P
<u>Grewia microcarpa</u> K. Schum.	T,S	RF,FE,W,B	Z-I,ZA 593
<u>Grewia monticola</u> Sond.	T,S	Not forest, W	Southern Africa 813
<u>Grewia obovata</u> K. Schum. (syn. <u>G. sulcata</u>)	S	RF only?	T-P,Z-I and inland 1379
<u>Grewia plagiophylla</u> K. Schum.	T,S	F,T,Wa	Z-I,AM Near End. T6;K7
<u>Grewia stuhlmannii</u> K.Schum.	S	RF,FE,W,B,T,	Z-I Near End. 616
<u>Triumfetta rhomboidea</u> Jacq.	S,H	F,B,G,W	414,NCI K

ULMACEAE	PGF	HAB	DIS
<u>Celtis africana</u> Burm.f.	T	Forest only	
<u>Trema orientalis</u> (L.) Bl.	T,S	Forest only	

URTICACEAE	PGF	HAB	DIS
<u>Laportea interrupta</u> (L.) Chew	H	F,RF,G	777
<u>Laportea lanceolata</u> Engl.	H	F,FE,W,Ro	Z-I,ZA Near End. G-C? 568,724,732
<u>Pilea</u> sp. (perhaps <u>holstii</u> or <u>microphylla</u> from distribution maps and altitudes)		1085?	
<u>Urera trinervis</u> (Hochst.) Friis & Imm. (=U.cameroo.)	C	Forest only,S	200-1600m
<u>Urera sansibarica</u> Engl. (syn. <u>U. fischeri</u>)	L	Forest only	Z-I Near End.

VAHLIACEAE	PGF	HAB	DIS
<u>Vahlia dichotoma</u> (Murray) Kuntze	H	RF,W,G,WA	1395

VERBENACEAE	PGF	HAB	DIS
<u>Avicennia marina</u>	T	Mangrove only	
<u>Clerodendrum capitatum</u> Schum. & Thonn.	S	F,FE,W,B	NCI P,K
<u>Clerodendrum cephalanthum</u> Oliv.	S	F,FE,?W,?B	Z-I,G-C,AM 1538
<u>Clerodendrum glabrum</u> E. Mey.	S	F,T,B	G-C,ZA,Z-I 1322
<u>Clerodendrum incisum</u> Klotzsch	S,H	F,FE,W,T,Wa	564,729,894,990
<u>Clerodendrum myricoides</u> (Hoschst.) Vatke	S	RF,FE,W,B,G,R o	83A
<u>Lantana camara</u> L.	S	F,FE,B,T,WA	Introduced
<u>Lantana viburnioides</u> (Forssk.) Vahl	S	FE,W,B,T	147,606
<u>Phyla nodiflora</u> (L.) Greene	H	F,G,S	1444
<u>Premna chrysoclada</u> (Bojer) Guerke	S	Not F.;W,B,T,G,W A	Z-I Near End. 610,942
<u>Premna hildebrandtii</u> Guerke	S	F,RF,B,T,Wa	Z-I Near End.
<u>Vitex buchananii</u> Guerke	T,S	Not forest, W,B,T,G	ZA,AM,Z-I 867
<u>Vitex doniana</u> Sweet	T	F,W,G	940,1392
<u>Vitex ferruginea</u> Schumach. & Thonn.		Forest only	Z-I,G-C,ZA,AM
ssp. <u>amboniensis</u> (Guerke) Verdc.	T	Z-I,AM Endemic to the Usambaras	483,504

<i>Vitex payos</i> (Lour.) Merr.	T,S	Forest only?	AM,ZA 560
<i>Vitex strickeri</i> Vatke & Hildbr.	T,S	RF,FE,W,B,T	Z-I,AM TZ01P
<i>Vitex zanzibarensis</i> Vatke	S	F,B,T	Z-I Near End. T6;Z;K7 0-400m Pugu,Ruvu S.

VIOLACEAE	PGF	HAB	DIS
<i>Rinorea angustifolia</i> (Thou.) Baill.	T	Forest only	
ssp. <i>ardiisiflora</i> (Oliv.) Grey-Wilson			190,844,1087,1098
<i>Rinorea arborea</i> (Thou.) Baill.	T	Forest only	Z-I,MAD
<i>Rinorea elliptica</i> (Oliv.) Kuntze	T,S	Forest only	Z-I,ZA Near End. 697
<i>Rinorea ferruginea</i> Engl.	T,S	Forest only	Z-I,ZA,AM 1418B,1475
<i>Rinorea ilicifolia</i> (Oliv.) Kuntze	T,S	Forest only	37,197,982,1420B
<i>Rinorea</i> sp. A of FTEA	T	Forest only	Endemic to Kimboza 176
<i>Rinorea welwitschii</i> (Oliv.) Kuntze	T,S	Forest only	ZA & Z-I isolated pop. in T6,8 269

VITACEAE	PGF	HAB	DIS
<i>Ampelocissus africana</i> (Lour.) Merr.	L,C	RF,FE,WA,W	517
<i>Ampelocissus multistriata</i> (Bak.) Planch.	L,C	RF,W,B,T	G-C,SUD,Z-I,ZA 814
<i>Cissus populnea</i> Guill. & Perr.	C	Forest only?	Z-I only? First TZ record Selous 1980 888
<i>Cissus producta</i> Afz.	C	Forest only	G-C,ZA,Z-I NCI P,K
<i>Cissus quadrangularis</i> L.	C	RF,FE,B,T,Ro	577,589,1431,1439
<i>Cissus rotundifolia</i> (Forrsk.) Vahl	C	RF,W,B	Z-I,T-P,Arabia and inland 585,955,NCI K,1483
<i>Cyphostemma bororensis</i> (Klotzsch) Descoings	C,H	F,RF,W	Z-I,ZA 1115
<i>Cyphostemma buchananii</i> (Planch.) Descoings	H	Not forest,W,B,T	Z-I,ZA NCI P
<i>Cyphostemma hildebrandtii</i> (Gilg) Descoings	C,H	FE,W,B,?WA	ZA,Z-I,AM 1239
<i>Cyphostemma paucidentatum</i> (Klotzsch) Descoings	C,H	F,W	T-P?,Z-I and Zimbabwe
<i>Rhoicissus revoilii</i> Planch.	T,L,S	RF,B,T,G	1059,1081,NCI K,1482

XYRIDACEAE	PGF	HAB	DIS
<i>Xyris straminea</i> Nilss.	H	RF,G,S	G-C,ZA 690-1200m? No record TZ coast

ZINGIBERACEAE	PGF	HAB	DIS
<i>Afromomum</i> sp.,sterile			65
<i>Costus sarmentosus</i> Bojer	H	Forest only,S	Z-I,AM Near End. 308
<i>Kaempferia macrosiphon</i> Bak.	H	Forest only	Z-I Near End. T6;K7 Pande
<i>Siphonochilus aethiopicus</i> (Schweinf.) B.L. Burt	H		1,469
<i>Siphonochilus brachystemon</i> (K. Schum.) B.L. Burt	H		643

<i>Siphonochilus kirkii</i> (Hook.f.) B. L. Burt	H	RF, W, T, G	Z-I, LV, S-M, ZA 860
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PTERIDOPHYTA	PGF	HAB	DIS
<i>Acrostichum aureum</i> L.	F	S	253
<i>Actiniopteris radiata</i> (Sw.) Link	F	Not forest, W, Ro	
<i>Adiantum capillus-veneris</i> L.	F	RF, Ro, S, WA	179
<i>Adiantum confine</i>	F		
<i>Adiantum incisum</i> Forssk.	F	F, RF, T, Ro, S, WA	
<i>Asplenium blastophorum</i> Hieron	F	Forest only	G-C, AM, ZA, Z-I, MAD 161, 392, 776
<i>Asplenium emarginatum</i>			
<i>Asplenium nidus</i> L.	F	Forest only	
<i>Christella dentata</i> (Forssk.) Brownsey & Jermy	F	F, RF, FE, Ro	178
<i>Lindsaea ensifolia</i>	F	Forest only	G-C, T-P, MAS not recorded TZ?
<i>Microgramma lycopodioides</i> (L.) Copeland (= <i>M. owari</i> .)	F	Forest only	579
<i>Microsorium scolopendrium</i> (Burm.f.) Copeland	F	Forest only	482, 581A
<i>Nephrolepis bisserata</i> (Sw.) Schott	F	RF, S, WA	307, 310, 576
<i>Nephrolepis</i> sp., not matched? Immature	F		305
<i>Pellaea doniana</i> Hook.	F	F, RF, W, Ro	13, 338
<i>Pellaea viridis</i> (Forssk.) Prantl	F	Not forest, W, G, Ro	AM, MAD, Deccan
<i>Pleopeltis excavata</i>	F	F, Ro	
<i>Pteris atrovirens</i> Willd.	F	Forest only	AM, G-C, MAD.
<i>Pteris catoptera</i> Kunze	F	F, RF, FE, W, G, S	AM, ZA.
<i>Selaginella eublepharis</i> Hieron.	F	F, B	Z-I, ZA Near End.
<i>Stenochlaena tenuifolia</i> (Desv.) Moore (= <i>S. mildbraedii</i>)	F	Forest only	Z-I, T-P, G-C disjunct distributions
<i>Vittaria elongata</i> Sw.	F	Forest only	Z-I, MAD only in Africa; Palae.

NOTES

The plant phytogeography, growth form and habitat requirement of the 13 Tanzanian Coastal Forests is based on data from Frontier collections in the Kiwengoma, Kiono (Zaraninge), Mlola (Mafia Island), Pande and Mchungu Coastal Forests which have been identified by Dr. K. Vollesen at the Royal Botanic Garden, Kew. Supplementary data has been added from the Hawthorne (1984) collections in Msubugwe, Gendagenda, Pugu, Vikindu, Pande and Kisiju Forests and also from remnant forest patches at the Amboni, Bushiri and Mwera Sisal Estates. Subsequent collections by Frontier at Gendagenda, Msubugwe and Kazimzumbwi Forests have resulted in about an extra 100 species which have yet to be included in the sample. It should be noted that only the Kiwengoma (366sp.), Kiono and Pugu inventories were anywhere close to being representative of the total floras present in these Coastal Forests.

The species lists have been annotated with the aid of all hitherto published volumes of the Flora of Tropical East Africa (Milne-Redhead et al., 1952-), some of the earlier volumes of Flora Zambesiaca (Exell & Wild, 1960-) and all editions of the Kew Bulletin from 1970 to the present. Other useful references have been Iversen (1991), Haines & Lye (1983), Hamilton & Benstead-Smith (1989), Vollesen (1980) & White (1988). Where insufficient information was still unavailable, herbarium records at the University of Dar es Salaam were checked.

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