

Annex 2.

A list of waterbirds recorded from the Kilombero Valley Floodplain.

Species	1995*	1997**	1% population level
White Pelican	0	5	
Pink-backed Pelican	9	49	
Long-tailed Cormorant	26	64	
Darter	6	22	
Little Bittern	1	1	
Night Heron	2	4	
Squacco Heron	104	66	500
Madagascar Squacco Heron	0	17	100
Cattle Egret	46	665	10000
Green-backed Heron	2	84	1000
Black Heron	5	2	
Little Egret	19	36	
Yellow-billed Egret	19	8	
Great White Egret	22	38	
Purple Heron	16	9	
Grey Heron	13	45	
Goliath Heron	10	23	
Hamerkop	6	19	
Yellow-billed Stork	2	198	500
Openbill Stork	118	665	1000
Woolly-necked Stork	0	1	
Saddle-billed Stork	3	1	
Marabou	6	18	
Glossy Ibis	0	87	1000
Hadada	2	5	
Sacred Ibis	0	192	2000
African Spoonbill	0	19	
Fulvous Whistling Duck	0	8	
White-faced Whistling Duck	17	31	
Egyptian Goose	182	214	3500
Spur-winged Goose	34	4	
Knob-billed Duck	5	2	
Fish Eagle	30	34	
African Marsh Harrier	0	4	
Grey Crowned Crane	0	2	
Jacana	78	9	
Water Thick-knee	155	153	500
Common Pratincole	74	814	1000
Black-winged Stilt	0	5	
Kittlitz's Sandplover	0	3	
Three-banded Plover	0	4	
Wattled Plover	103	344	750
White-crowned Plover	476	324	250
Long-toed Plover	19	4	
Blacksmith Plover	13	76	5000
Ruff	1	1	
Marsh Sandpiper	0	1	
Greenshank	9	40	
Common Sandpiper	27	32	
Grey-headed Gull	0	1	
African Skimmer	42	376	100

Water bird counts in Kilombero Valley 1995 and 1997.

* Baker, N. 1996. Tanzania Waterbird Count. The first coordinated count on the major wetlands of Tanzania.

Wildlife Conservation Society of Tanzania.

Annex 3.

Fish recorded from the Kilombero Valley Floodplain during surveys at fish camps. Justification of the criteria selected under point 9. Sites of international importance for conserving of biological diversity. Criterion 7.

Family	Species
Cichlidae	<i>Oreochromis niloticus</i> ¹ , <i>Oreochromis pangani</i> ¹ , <i>Saratherodon urolepis</i> ²
Clariidae	<i>Clarius gariepinus</i> ¹ , <i>Clarius mossambicus</i> ² , <i>Heterobranchus longifilus</i> ²
Characidae	<i>Brycinus affinus</i> ¹ , <i>Hydrocinus vittatus</i> ^{1,2} , <i>Alestes macrophthalmus</i> ¹ , <i>Alestes stuhlmanni</i> ²
Mormyridae	<i>Mormyrus kannume</i> ¹ , <i>Mormyrus longirostris</i> ¹ , <i>Hippopotamyrus grahamii</i> ¹ , <i>Petrocephalus catostoma</i> ² , <i>Gnathonemus macrolepidotus</i> ² , <i>Marcusensis livingstonii</i> ¹ , <i>Petrocephalus steindachneri</i> ¹
Schilbeidae	<i>Schilbe moebiusii</i> ¹ , <i>Paraeutropius longitilis</i> ²
Anguillidae	<i>Anguilla benalensis</i> ¹ , <i>Anguilla nebulosa</i> ²
Bagridae	<i>Bagrus docmac</i> ¹ , <i>Bagrus orientalis</i> ²
Distichonidae	<i>Distichodus petersii</i> ¹
Citharindae	<i>Citharinus latus</i> ¹ , <i>Citharinus congicus</i> ²
Cyprinidae	<i>Labeo congoro</i> ¹ , <i>Labeo coubie</i> ¹ , <i>Labeo ulangensis</i> ² , <i>Barbus macrolepis</i> ^{1,2}
Mochokidae	<i>Synodontis livingstonii</i> ¹ , <i>Synodontis maculipinna</i> ^{1,2} , <i>Synodontis rufigiensis</i> ¹

¹Jenkins et al, 2000

²WWF 1992

Annex 4.

A preliminary list of plants from the Kilombero Valley Floodplain is presented in the following pages. The list is taken from the Cambridge University Expedition Preliminary Report, Kilombero Valley Project (Starkey *et al.* 1997).

Appendix 4

Plant species list

These are the preliminary identifications of the specimens collected. The identifications are currently being confirmed at the University of Dar es Salaam Herbarium. This list is not exhaustive as there are several specimens the identifications of which are in question, these are being sent to Kew Herbarium in London and will appear in the final report. In the final report the list will be annotated. K is used to denote any species found in the Kibasira Swamp.

GRASSES

Gramineae

- | | |
|---------------------------------|--------------------------------|
| <i>Brachiaria dictyoneura</i> | <i>Hyparrhenia anamesa</i> |
| <i>Cymbopogon giganteus</i> | <i>Hyparrhenia collina</i> |
| <i>Cynodon nlemfuensin</i> | <i>Hyparrhenia fillpendula</i> |
| <i>Digitaria ciliaris</i> | <i>Hyparrhenia finitima</i> |
| <i>Echinochloa colona</i> | <i>Leersia hexandra</i> |
| <i>Echinochloa haplocloda</i> | <i>Ozyra ?</i> |
| <i>Eragrostis ciliaris</i> | <i>Panicum astrosanguineum</i> |
| <i>Eragrostis aethiopica</i> | <i>Panicum fluviicola</i> |
| <i>Eragrostis perbela</i> | <i>Paspalum scrobiculatum</i> |
| <i>Eragrostis lappula</i> | <i>Pennisetum polystachion</i> |
| <i>Eragrostis superba</i> | <i>Pennisetum sphacelatum</i> |
| <i>Eragrostis tremula</i> | <i>Phragmites mauritianus</i> |
| <i>Eriochloa procera (k)</i> | <i>Sacciolepis sp</i> |
| <i>Eriochloa meyerana</i> | <i>Scleria foliosa</i> |
| <i>Eriochloa slamfiana</i> | <i>Sorghastrum bipennatum</i> |
| <i>Eriochloa rovimensis</i> | <i>Sorghastrum stipoides</i> |
| <i>Heteropogon contortus</i> | <i>Sporobolus macranthelus</i> |
| <i>Heteropogon melanocarpus</i> | <i>Themeda triandra</i> |

SEDGES

Cyperaceae

- | | |
|----------------------------------|---------------------------------|
| <i>Fimbristylis bisumbellata</i> | <i>Cyperus maranguensis</i> |
| <i>Fimbristylis dichotoma</i> | <i>Cyperus obtusiflorus (k)</i> |
| <i>Fimbristylis hispidula</i> | <i>Cyperus tenuispica (k)</i> |
| <i>Fuirena claviseta</i> | <i>Kyling elatior (k)</i> |
| <i>Fuirena pubescens</i> | <i>Scirpus cubensis (k)</i> |
| <i>Cyperus colymbetes (k)</i> | |

FERNS

Thelypteridaceae

- | | |
|---|---------------------------|
| <i>Thelypteris madagascariensis (k)</i> | <i>Thelypteris sp (k)</i> |
|---|---------------------------|

HERBS

Ranunculaceae

- | | |
|--------------------------|--|
| <i>Clematis simensis</i> | |
|--------------------------|--|

Menispermaceae

- | | |
|------------------------------|--|
| <i>Cissampelos macronata</i> | |
|------------------------------|--|

Violaceae

- | | |
|-----------------|--|
| <i>Viola sp</i> | |
|-----------------|--|

Polygalaceae

- | | |
|--------------------------|----------------------------------|
| <i>Polygala arenaria</i> | <i>Polygonum salicifolia (k)</i> |
|--------------------------|----------------------------------|

Thymelaeaceae

- Gnidia chrysantha*
- Cucurbitaceae**
Momordica charantia
Momordica rostra
- Tiliaceae**
Trumfetta rhomboidea
- Malvaceae**
Sida acuta
Hibiscus surattensis
- Papilionaceae**
Aeschenomene crista (k)
Aeschynomene indica (k)
Crotolaria calycina
Desmodium salicifolium (k)
Desmodium sp.
Eriosema nutans
Eriosema psoraleoides
- Leguminosae**
Crotalaria valicolla (?)
- Compositae**
Aspilia mossambicensis
Eclipta alba (k)
Emilia sp
Ethulia conyzoides
Helichrysum sp. (k)
Hirpicium diffusium (k)
- Primulaceae**
Asterolinon sp (k)
- Campanulaceae**
Wahlenbergia abyssinica
- Boraginaceae**
Heliotropium ovalifolium forsk (k)
- Solanaceae**
Solanum dascephyllum
- Convolvulaceae**
Dichordra repens (k)
Ipomoea aquatica (k)
- Acanthaceae**
Blepharis sp.
Hygrophilia auriculata
Justicia nyassana
- Labiatae**
Plectranthus sphaerophyllus (k)
- Commelinaceae**
Aneilema hockii
Commelina africana (k)
- Liliaceae**
Drimopsis sp
- TREES, SHRUBS & LIANAS**
- Annonaceae**
Annona senegalensis
- Ranunculaceae**
Clematis simensis
- Zehneria scabra*
- Hibiscus sp* (k)
- Galactica tenuiflora*
Indegofera congesta
Indegofera dendroides
Indegofera paniculata
Indegofera schliebenii
Macrotyloma axillare (k)
- Launea cornuta* (k)
Senecio syringifolius
Sphaeranthus suaveolens
Spilanthes uliginosa
Vernonia sp.
- Ipomoea blepharophylla*
Ipomoea plebeia
- Nelsonia canescens*
Rhinacanthus gracilis
Thunbergia sp.
- Floscopa glomerata*

Capparaceae

Capparis tomentosa

Onagraceae

Ludwigia stenorrhapha (k)

Ludwigia leptocarpa

Ludwigia erecta (k)

Bigoniaceae

Kigelia africana

Combretaceae

Combretum schumanni

Combretum molle

Combretum (Climber)

Terminalia sericea

Combretum fragrans

Terminalia kaiserana

Tiliaceae

Grewia bicolor

Euphorbiaceae

Fleuggea virosa

Phyllanthus lenellus (k)

Vapaka kirkiana

Phyllanthus maderaspatensis (k)

Caesalpiniaceae

Tamarindus indica

Senna singueana

Cassia abbreviata

Bauhinia thonningi

Mimaceae

Acacia xanthophloea

Papilionaceae

Cassia obtusifolia (k)

Mucuna poggei (k)

Dalbergia melanoxyton

Pericopsis angolensis

Eriosema psoraleoides (k)

Pseudarthria hookeri (k)

Lonchocarpus bussei

Sesbania sesban (k)

Lonchocarpus capassa

Sesbania sp.

Lonchocarpus (eriocalyx?)

Tephrosia reptans

Millettia dura

Xeroderris stuhlmanni

Ulmaceae

Trema orientalis

Moraceae

Ficus sp (k)

Maclura africana (k)

Celastraceae

Hippocratea sp

Maytenus sp.

Maytenus undata

Rhamnaceae

Ziziphus mucronata

Simaroubaceae

Harrisonis abyssinica

Anacardiaceae

Sorindaeia madagascariensis

Sclerocarya birrea caffra

Ozora insignis

Ebenaceae

Euclea (bilocularis?)

Sapotaceae

Manilkara sasibarensis

Mimusops

Apocynaceae

Diplorhyrichus mossambiensis

Rauvolfia

Rubiaceae

Psychotria sp (k)

Flacourtiaceae

Dovydlis caffra — ?

Verbenaceae

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Vitex doniana

Palmae

Phoenix reclinata

Borassus aethiopum