

## SYSTEMATIC LIST OF PLANT SPECIES

Plant species are listed from herbaria identification; either from the Botanical Research Institute of Pretoria or the National Herbarium, Salisbury, Rhodesia, but in most instances check identification from both. The systematic order of the families follows that of R.A. Dyer (1975) "The Genera of Southern African Flowering Plants" Volume 1 and 2 for the Angiospermae, and E.A. C.L.E. Schelpe (1970) "Flora Zambesiaca: Pteridophyta" for ferns.

### A. PTERIDOPHYTA (Ferns)

Marsileaceae

*Marsilea coromandeliana* Willd.

Azollaceae

*Azolla pinnata* R.Br. var. *africana* (Desc.) Bak.

Adiantaceae

*Ceratopteris thalictroides* (L.) Brongn.

Thelypteridaceae

*Thelypteris dentata* (Forsk.) E. St. John.

*T. quadrangularis* (Fée) Schelpe

*T. totta* (Thunb.) Schelpe

### B. ANGIOSPERMAE

(1) Dicotyledonae

Myricaceae

*Myrica serrata* Lam.

Moraceae

*Ficus burkei* (Miq.) Miq.

*F. pygmaea* Welw. ex Hiern.

*F. sycamorus* L.

*F. verruculosa* Warb.

Loranthaceae

*Plicosepalus kalachariensis* (Schinz) Danser

*P. undulatus* (E. Mey. ex Harv.) Van Tieghem

Olacaceae

*Ximenia americana* L.

Hydnoraceae

*Hydnora africana* Thunb.

Polygonaceae

*Oxygonum delagoense* Kuntze

*O. dregeanum* Meisn. var. *canescens* (Sond.) R. Grah.

*Polygonum limbatum* Meisn.

*P. salicifolium* Brouss.

*Rumex woodii* N.E. Br.

Chenopodiaceae

*Chenopodium album* L.

Amaranthaceae

*Achyranthus sricula* (L.) All.

*Aerva lanata* Juss.

*A. leucura* Moq.

*Alternanthera sessilis* (L.) DC.

Amaranthus

*Amaranthus schinzianus* Thell.

*A. cf. thunbergii* Moq.

*Celosia scabra* (Schinz) Schinz

*C. trigyna* L.

*Centemopsis biflora* (Schinz) Schinz

*Kyphocarpa angustifolia* (Moq.) Lopr.

*Pupalia atropurpurea* Moq.

*P. lappacea* (L.) Juss.

Nyctaginaceae

*Commicarpus africanus* (Lour.) Dandy

Aizoaceae

*Gisekia africana* (Lour.) Kuntze var. *africana*

*G. africana* (Lour.) Kuntze var. *cymosa* Adamson

*Limeum fenestratum* (Fenzl) Heimerl

*L. sulcatum* (Klotzsch) Hutch.

*Mollugo nudicaulis* Lam.

Portulacaceae

*Portulaca oleracea* L.

*Talinum caffrum* (Thunb.) Eckl. & Zeyh.

*T. tenuissimum* Dinter

Illecebraceae

*Pollichia campestris* Ait.

Cabombaceae

*Brasenia schreiberi* J.F. Gmel.

Nymphaeaceae

*Nymphaea caerulea* Sav.

*N. lotus* L.

Ceratophyllaceae

*Ceratophyllum demersum* L.

Menispermaceae

*Cissampelos mucronata* A. Rich.

*Cocculus hirsutus* (L.) Diels

Cruciferae

*Heliophila* sp.

Capparaceae

*Boscia mossambicensis* Klotzsch

*Capparis tomentosa* Lam.

*Cleome elegantissima* Briq.

*C. gynandra* L.

*C. hirta* (Klotzsch) Oliv.

*C. rubella* Burch.

*Maerua gilgii* Schinz

Droseraceae

*Drosera* sp.

Crassulaceae

*Kalanchoe lanceolata* Pers.

Vahliaceae

*Vahlia capensis* Thunb.

Rosaceae

*Rubus rigidus* Sm.

Leguminosae

Mimosoideae (Mimosaceae)

*Acacia erioloba* E. Mey.

*A. fleckii* Schinz

*A. galpinii* Burt Davy

*A. hereroensis* Engl.

*A. hebeclada* DC. subsp. *chobiensis* (O.B. Mill.) Schreiber

*A. luederitzii* Engl. var. *luederitzii*

*A. luederitzii* Engl. var. *retinens* (Sim) J. Ross & Brenan

*A. nigrescens* Oliv.

*A. sieberana* DC. var. *vermoeseni* (De Wild.) Keay & Brenan

*A. tortilis* (Forsk.) Hayne subsp. *heteracantha* (Burch.) Brenan

*Albizia brevifolia* Schinz

*A. harveyi* Fourn.

*Dichrostachys cinerea* (L.) Wight & Arn.

*Neptunia oleracea* Lour.

Caesalpinioideae (Caesalpinaceae)

*Bauhinia macrantha* Oliv.

*Cassia absus* L.

*C. capensis* Thunb.

*C. falcinella* Oliv. var. *parviflora* Steyaert

*C. mimosoides* L.

*Colophospermum mopane* (Kirk ex Benth.) Kirk ex J. Léonard

Papilionoideae (Fabaceae)

*Aeschynomene fluitans* Peter

*Calpurnia* sp.

*Crotalaria sphaerocarpa* Perr. ex DC.

*C. steudneri* Schweinf.

*Indigofera astragalina* DC.

*I. charlieriana* Schinz var. *charlieriana*

*I. flavicans* Bak.

*Lessertia benguellensis* Bak.

*Lonchocarpus capassa* (Klotzsch) Rolfe

*L. nelsii* (Schinz) Heer & Hutch.  
*Rhynchosia caribaea* DC.  
*R. minima* (L.) var. *minima*  
*R. totta* (Thunb.) DC.  
*Sesbania bispinosa* (Jacq.) W.F. Wight  
*S. rostrata* Brem. & Oberm.  
*Tephrosia lupinifolia* (Burch.) DC.  
*Tephrosia purpurea* (L.) Pers. subsp. *leptostachya* (DC.) Brummitt  
*Vigna luteola* (Jacq.) Benth.  
*Zornia glochidiata* Reichb. ex DC.

Geraniaceae

*Monsonia angustifolia* E. Mey. ex A. Rich.

Zygophyllaceae

*Tribulus terrestris* L.

Burseraceae

*Commiphora africana* (A. Rich.) Engl.

Polygalaceae

*Polygala albida* Schinz

Euphorbiaceae

*Acalypha indica* L.

*A. petiolaris* Hochst.

*Antidesma venosum* E. Mey. ex Tul.

*Croton megalobotrys* Muell. Arg.

*Phyllanthus reticulatus* Poir.

*Pterococcus africanus* (Sond.) Pax & K. Hoffm.

Anacardiaceae

*Rhus pyroides* Burch.

*R. quartiniana* A. Rich.

*R. tenuinervis* Engl. & Gilg

*Sclerocarya caffra* Sond.

Celastraceae

*Cassine transvaalensis* (Burt Davy) N. Robson

*Maytenus heterophylla* (Eckl. & Zeyh.) N. Robson

*M. senegalensis* (Lam.) Exell

Sapindaceae

*Cardiospermum halicacabum* L.

Rhamnaceae

*Berchemia discolor* (Klotzsch) Hemsl.

*Ziziphus mucronata* Willd.

Tiliaceae

*Corchorus tridens* L.

*C. trilocularis* L.

*Grewia flavescens* Juss. var. *flavescens*

*G. flavescens* Juss. var. *olukondae* (Schinz) Willd.

*G. retinervis* Burret

*G. schinzii* K. Schum.

*G. subspathulata* N.E. Br.

*G. villosa* Willd.

*Triumfetta* sp.

Malvaceae

*Abutilon angulatum* (Guill. & Perr.) Mast.

*A. austro-africanum* Hochr.

*A. englerianum* Ulbr.

*A. ramosum* (Cav.) Guill. & Perr.

*Hibiscus calyphyllus* Cav.

*H. diversifolius* Jacq. subsp. *rivularis* (Brem. & Oberm.) Exell

*H. engleri* K. Schum.

*H. micranthus* L. f.

*H. sidiformis* Baill.

*Pavonia senegalensis* (Cav.) Leistner

*Sida alba* L.

*S. cordifolia* L.

*S. hoepfneri* Guerke

*Wissadula rostrata* (K. Schum.) Hook f.

Bombacaceae

*Adansonia digitata* L.

Sterculiaceae

*Hermannia glanduligera* K. Schum.

*H. modesta* (Ehrenb.) Mast.

*Melhania forbesii* Planch. ex Mast.

*Waltheria indica* L.

Guttiferae

*Garcinia livingstonei* T. Anders.

Elatinaceae

*Bergia pentherana* Keissl.

Lythraceae

*Ammannia auriculata* Willd.

*Nesaea crassicaulis* (Guill. & Perr.) Köehne

*Rotala myriophylloides* Welw. ex Hiern

Combretaceae

*Combretum collinum* Fresen.

*C. hereroense* Schinz var. *hereroense*

*C. hereroense* Schinz var. *villosissimum* Engl. & Diels

*C. imberbe* Wawra

*C. molle* R. Br. ex G. Don

*Terminalia sericea* Burch. ex DC.

Myrtaceae

*Syzygium cordatum* Hochst.

*S. guineense* (Willd.) DC.

Onagraceae

*Ludwigia octovalvis* (Jacq.) Raven subsp. *octovalvis*

*L. stolonifera* (Guill. & Perr.) Raven

Trapaceae

*Trapa natans* L. var. *bispinosa* (Roxb.) Makino

Umbelliferae

*Hydrocotyle bonariensis* Lam.

*H. verticillata* Thunb.

Plumbaginaceae

*Plumbago zeylanica* L.

Ebenaceae

*Diospyros lycioides* Desf. subsp. *lycioides*

*D. mespiliformis* Hochst. ex A. DC.

*Euclea crispa* (Thunb.) Guerke var. *crispa*

*E. divinorum* Hiern

Oleaceae

*Jasminum fluminense* Vell.

Genitaceae

*Nymphoides indica* (L.) Kuntze

Apocynaceae

*Carissa edulis* Vahl

Periplocaceae

*Tacazzea apiculata* Oliv.

Asclepiadaceae

*Asclepias burchellii* Schltr.

*A. cf. decipiens* N.E. Br.

*Orthanthera jasminiflora* (Decne.) N. E. Br. ex Schinz

*Pergularia daemia* (Forsk.) Chiov. var. *daemia*

Convolvulaceae

*Evolvulus alsinoides* (L.) L. var. *linifolius* (L.) Bak.

*Ipomaea hackeliana* (Schinz) Hall. f.

*I. magnusiana* Schinz var. *magnusiana*

*Merremia tridentata* (L.) Hall. f. subsp. *angustifolia* (Jacq.) Ooststr.

Boraginaceae

*Heliotropium ciliatum* Kaplan

*H. ovalifolium* Forsk.

*H. strigosum* Willd.

*H. subulatum* (Hochst. ex A. DC.) Vatke

Verbenaceae

*Clerodendrum ternatum* Schinz

*C. uncinatum* Schinz

*Lantana rugosa* Thunb.

Labiatae

*Acrotome inflata* Benth.

*Hoslundia opposita* Vahl

*Leonotis nepetifolia* (L.) Ait. f.



*Leucas martinicensis* (Jacq.) R. Br.  
*Ocimum canum* Sims  
*Plectranthus* cf. *cylindraceus* Hochst. ex Benth.

Solanaceae

*Lycium albiflorum* Damm.  
*Physalis* sp.  
*Solanum catombelense* Peyr.  
*S. delagoense* Dun.  
*S. nigrum* L.  
*S. nodiflorum* Jacq.

Scrophulariaceae

*Diclis petiolaris* Benth.  
*Limnophila ceratophylloides* (Hiern) Skan  
*L. indica* (L.) Druce  
*Mimulus gracilis* R. Br.  
*Rhamphicarpa tubulosa* (L.f.) Benth.  
*Sopubia simplex* Hochst.  
*Striga asiatica* (L.) Kuntze  
*Sutera* cf. *adpressa* Dinter

Bignoniaceae

*Kigelia africana* (Lam.) Benth.  
*Markhamia acuminata* (Klotzsch) K. Schum.  
*Rhigozum brevispinosum* Kuntze

Pedaliaceae

*Dicerocaryum zanguebarium* (Lour.) Merr.  
*Harpagophytum* sp.  
*Sesamum alatum* Thonn.

Lentibularaceae

*Utricularia foliosa* L.  
*U. inflexa* Forsk.  
*U. stellaris* L.f.

Acanthaceae

*Barleria lancifolia* T. Anders.  
*B. mackenii* Hook. f.  
*B. senensis* Klotzsch

*Blepharis diversispina* (Nees) C.B. Cl.  
*Dicliptera micranthes* Nees  
*Hemigraphis prunelloides* S. Moore  
*Justicia dinteri* S. Moore  
*J. heterocarpa* T. Anders.  
*J. matammensis* (Schweinf.) Oliv.  
*Monechma debile* (Forsk.) Nees  
*M. divaricatum* (Nees) C.B. Cl.  
*Nelsonia canescens* (Lam.) Spreng.  
*Peristrophe bicalyculata* (Retz.) Nees  
*Ruellia otaviensis* P.G. Mey.  
*R. patula* Jacq.  
*Ruspolia hypocrateriformis* (Vahl) M.–Redh. var. *australis* M.–Redh.

Rubiaceae

*Borreria paludosa* Hepper ex Deser.  
*Gardenia spathulifolia* Stapf & Hutch.  
*Kohautia aspersa* (Heyne ex Roth) Bremek.  
*K. caespitosa* Schinz  
*Oldenlandia caespitosa* Hiern  
*Pentodon pentander* (Schumach.) Vatke  
*Vangueria esculenta* S. Moore

Cucurbitaceae

*Acanthosicyos naudiniana* (Sond.) Jeffrey  
*Corallocarpus bainesii* (Hook. f.) A. Meeuse  
*Kedrostis hirtella* (Naud.) Cogn.  
*Zehneria marlothii* (Cogn.) R. & A. Fernandes

Campanulaceae

*Lightfootia denticulata* (Burch.) Sond. var. *transvaalensis* Adamson

Compositae

*Adenostemma caffrum* DC.  
*Aspilia mossambicensis* (Oliv.) Wild  
*Bidens pilosa* L.  
*B. schimperi* Sch. Bip. ex Walp.  
*Blumea caffra* (DC.) O. Hoffm.  
*B. lacera* (Burm.f.) DC.

- Crassocephalum picridifolium* (DC.) S. Moore  
*Dicoma schinzii* O. Hoffm.  
*Dicoma tomentosa* Cass.  
*Eclipta prostrata* (L.) L.  
*Erigeron floribundus* (H.B.K.) Sch. Bip.  
*Ethulia conyzoides* L.  
*Gnaphalium luteo-album* L.  
*G. undulatum* L.  
*Hirpicium gorterioides* (Oliv. & Hiern) Roessl. subsp. *gorterioides*  
*Melanthera scandens* (Schumach. & Thonn). Roberty subsp. *madagascariensis*  
(BAK.) Willd.  
*Mikania cordata* (Burm. f.) B.L. Robson  
*M. sagittifera* B.L. Robson  
*Nidorella resedifolia* DC. subsp. *resedifolia*  
*Nolletia ciliaris* (DC.) Steetz  
*Philyrophyllum schinzii* O. Hoffm.  
*Pechuel-Loeschea leubnitziae* (Kuntze) O. Hoffm. (= *Pluchea leubnitziae*)  
*Senecio strictifolius* Hiern  
*Sphaeranthus humilis* O. Hoffm.  
*Vernonia amygdalina* Del.  
*V. colorata* (Willd.) Drake  
*V. glabra* (Steetz) Vatke
- Monocotyledonae
- Thyphaceae  
*Typha latifolia* L. subsp. *capensis* Rohrb.
- Potamogetonaceae  
*Potamogeton octandrus* Poir.  
*P. pectinatus* L.  
*P. thunbergii* Cham. & Schlechtd.
- Najadaceae  
*Najas pectinata* (Parl.) Magnus
- Alismataceae  
*Limnophyton obtusifolium* (L.) Miq.

Hydrocharitaceae

- Lagarosiphon ilicifolius* Oberm.  
*L. major* (Ridl.) Moss. ex Wager  
*Ottelia exserta* (Ridl.) Dandy  
*O. kunenensis* (Guerke) Dandy  
*O. muricata* (Wright) Dandy  
*O. ulvifolia* (Planch.) Walp.

Poaceae – Gramineae

Oryzeae

- Oryza longistaminata* Chev. & Roehr.  
*Leersia hexandra* Swartz

Arundineae

- Phragmites australis* (Cav.) Trin. ex Steud. (= *P. communis*)  
*Phragmites mauritianus* Kunth

Aristideae

- Aristida* sp. cf. *adscensionis* L. subsp. *guineensis* (Trin. & Rupr.) Henr.  
*A. argentea* Schweick.  
*A. canescens* Henr.  
*A. meridionalis* Henr.  
*A. pilgeri* Henr.  
*A. stipitata* Hack. var. *robusta* (Stent & Rattray) De Wint.  
*Stipagrostis hirtigluma* (Steud.) De Wint.  
*S. uniplumis* (Licht.) De Wint. var. *uniplumis*

Pappophoreae

- Schmidtia kalihariensis* Stent  
*S. pappophoroides* Steud. ex J.A. Schmidt

Eragrostideae

- Leptocarydion vulpiastrum* (De Not.) Stapf  
*Dactyloctenium aegypticum* (L.) Beauv.  
*D. giganteum* Fischer & Schweick.  
*Diandrochloa namaquensis* (Nees) De Wint.  
*Eragrostis atrovirens* (Desf.) Trin. ex Steud.  
*E. biflora* Hack. ex Schinz



*E. cilianensis* (All.) Lutati  
*E. curvula* (Schrad.) Nees  
*E. echinochloidea* Stapf  
*E. gummiflua* Nees  
*E. inamoena* K. Schum.  
*E. lappula* Nees var. *divaricata* Stapf  
*E. lappula* Nees var. *lappula*  
*E. Lehmanniana* Nees  
*E. pallens* Hack.  
*E. patentissima* Hack.  
*E. rigidior* Pilg.  
*E. rotifer* Rendle  
*E. superba* Peyr.  
*E. tricophora* Coss. & Dur.  
*E. viscosa* (Retz.) Trin.  
*Pogonarthria fleckii* (Hack.) Stapf  
*P. squarrosa* (Licht. ex Roem. & Schult.) Pilg.

Sporoboleae

*Sporobolus acinifolius* Stapf  
*S. fimbriatus* Nees var. *fimbriatus*  
*S. fimbriatus* Nees var. *latifolius* Stent  
*S. fourcadii* Stent  
*S. natalensis* (Steud.) Dur. & Schinz  
*S. pyramidalis* P. Beauv.  
*S. salsus* Mez  
*S. spicatus* Kunth

Chlorideae

*Enteropogon macrostachys* (Hochst. ex A. Rich.) Munro ex Benth.  
*Chloris gayana* Kunth  
*C. radiata* (L.) Swartz  
*C. virgata* Swartz  
*Cynodon dactylon* (L.) Pers.

Zoysieae

*Tragus berteronianus* Schult.  
*T. racemosus* (L.) All.

Paniceae

*Panicum aphanoneurum* Stapf

*P. coloratum* L.

*P. kalaharensis* Mez

*P. maximum* Jacq.

*P. repens* L.

*Setaria anceps* Stapf ex Massey

*S. chevalieri* Stapf ex Stapf & C.E. Hubb.

*S. sphacelata* (Schumach.) var. *sphacelata*

*S. tenuiseta* De Wit

*S. verticillata* (L.) Beauv.

*S. woodii* Hack.

*Cymbosetaria sagittifolia* (A. Rich.) Schweick.

*Sacciolepis typhura* (Stapf) Stapf

*Echinochloa colona* (L.) Link

*E. holubii* (Stapf) Stapf

*E. stagnina* (Retz.) Beauv.

*Oplismenus hirtellus* (L.) Beauv.

*Paspalidium platyrrachis* C.E. Hubb.

*Brachiaria brizantha* (Hochst.) Stapf

*B. humidicola* (Rendle) Schweick.

*Pseudobrachiaria deflexa* (Schumach.) Launert

*Urochloa brachyura* (Hack.) Stapf

*U. trichopus* (Hochst.) Stapf

*Acroceras macrum* Stapf

*Paspalidium orbiculare* Forsk.

*Digitaria debilis* (Desf.) Willd.

*D. eriantha* Steud.

*D. milanjana* (Licht.) De Wint.

*D. polevansii* Stent

*D. smutsii* Stent

*D. zeyheri* (Nees) Henr.

*Rhynchelytrum repens* (Willd.) C.E. Hubb.

*Tricholaena monachne* (Trin.) Stapf & C.E. Hubb

*Cenchrus ciliaris* L.

Andropogoneae

- Sorghum almum* Parodi  
*S. verticilliflorum* (Steud.) Stapf  
*Sorghastrum friesii* (Pilg.) Pilg.  
*Vetiveria nigritana* (Benth.) Stapf  
*Vossia cuspidata* (Roxb.) Griff.  
*Imperata cylindrica* (L.) Beauv.  
*Miscanthidium teretifolium* (Stapf) Stapf (= *M. junceum*)  
*Eulalia geniculata* Stapf  
*Ischaemum afrum* (J.F. Gmel.) Dandy  
*Trachypogon spicatus* Kuntze  
*Andropogon eucomus* Nees  
*A. huillensis* Rendle  
*Schizachyrium sanguineum* (Retz.) Alst.  
*Cymbopogon excavatus* (Hochst.) Stapf ex Burtt Davy  
*C. plurinodis* (Stapf) Stapf ex Burtt Davy  
*Hyparrhenia dichroa* (Steud.) Stapf  
*H. rufa* (Nees) Stapf var. *rufa*  
*Hyperthelia dissoluta* Nees) Clayton

Cyperaceae

- Ascolepsis capensis* Ridl.  
*Bulbostylis burchellii* (Fical. & Hiern) C.B.Cl.  
*B. kirkii* C.B.Cl.  
*Cladium mariscus* R. Br.  
*Cyperus amabilis* Vahl  
*C. articulatus* L.  
*C. compressus* L.  
*C. denudatus* L.f. var. *sphaerospermus* (Schrad.) Kuckenth.  
*C. difformis* L.  
*C. dives* Del.  
*Cyperus fastigiatus* Rottb.  
*C. fulgens* L.  
*C. haspan* L.  
*C. immensus* C.B.Cl.  
*C. longus* L. var. *tenuiflorus* (Rottb.) Kuekenth.  
*C. margaritaceus* Vahl



- C. nervoso-striatus* Turrill  
*C. papyrus* L.  
*C. sphacelatus* Rottb.  
*C. sphaerospermus* Schrad.  
*C. sp. cf. tenuiculmis* Boeck.  
*C. usitatus* Burch.  
*C. zollingeri* Steud.  
*Eleocharis acutangula* (Roxb.) Schult.  
*E. dulcis* (Burm.f.) Hensch.  
*E. fistulosa* Link  
*Fimbristylis complanata* (Retz.) Link  
*F. dichotoma* (L.) Vahl.  
*F. hispidula* (Vahl) Kunth  
*Fuirena sp. cf. ciliaris* Ridl.  
*Juncellus laevigatus* C.B.Cl.  
*Kyllinga alba* Nees  
*K. erecta* (Schum.) var. *intricata* C.B.Cl.  
*K. melanosperma* Nees  
*Mariscus cyperoides* (Nees) Dietr.  
*M. laxifolius* Turrill  
*M. sieberanus* Nees ex C.B.Cl.  
*M. squarrosus* (L.) C.B.Cl.  
*Pycreus albomarginatus* Nees  
*P. lanceus* (Thunb.) Turrill  
*P. nitidus* (Lam.) Raynal  
*P. pelophilus* (Ridl.) C.B.Cl.  
*Rhynchospora holoschoenoides* (L.C. Rich.) Herter (=R, *mauritti*)  
*Scirpus articulatus* L.  
*S. corymbosus* Roth.  
*S. inclinatus* (Del.) Aschers & Schweinf. ex Boiss.  
*S. muricinux* C.B.Cl.  
*S. paludicola* Kunth  
*S. sororius* (Kunth) C.B.Cl.  
*Websteria coniferoides* (Poir.) Hooper



Palmae (Arecaceae)

*Phoenix reclinata* Jacq.

*Hyphaene ventricosa* Kirk (= *H. benguellensis* Welw. var. *ventricosa*) Kirk

Lemnaceae

*Lemna perpusilla* Torrey

*Pseudowolffia repanda* (Hegelm.) Den Hartog & v.d. Plas

Eriocaulaceae

*Eriocaulon bifistulosa* van Heurck & Muell.

Commelinaceae

*Commelina benghalensis* L.

*C. erecta* L. subsp. *livingstonei* (C.B.Cl.) Morton

*C. scandens* Welw. ex C.B.Cl.

*C. subulata* Roth

*Floscopia glomerata* Hassk.

Pontederiaceae

*Eichhornia natans* (Beauv.) Solms-Laub.

Liliaceae

*Aloe zebrina* Bak.

*Asparagus africanus* Lam.

*A. nelsii* Schinz

*Gloriosa superba* L.

*Ornithogalum polyphyllum* Jacq.

*Sansevieria aethiopica* Thunb.

*S. hyacinthoides* (L.) Druce

Amaryllidaceae

*Crinum caroli-schmidtii* Dinter

*Haemanthus multiflorus* Mart.

Orchidaceae

*Ansellia* sp.

*Habenaria* cf. *chlorotica* Reichb. f.

## SYSTEMATIC LIST OF BIRD SPECIES

The outline of classification follows Roberts Birds of South Africa (McLachlan and Liveridge, 1965). Identifications are from limited collected material sent to the South African Institute for Medical Research (J. Ledger) or the National Museum and Art Gallery, Gaborone, Botswana (Formerly K. Ullberg). Visual identifications are from Messrs J.M.J. van Rensburg (Natal Parks Game and Fish Preservation Board), R. Gababola (Department of Wildlife and National Parks, Botswana) and R.C. Biggs. Common names and numbers in brackets at end follows Roberts Birds of South Africa.

### Struthionidae

*Struthio camelus* Linnaeus, 1758. Ostrich (1)

### Podicipidae

*Podiceps ruficollis* (Pallas, 1764). Cape Dabchick (6)

### Pelecanidae

*Pelecanus onocrotalus* Linnaeus, 1758. White Pelican (42)

### Phalacrocoracidae

*Phalacrocorax carbo* (Linnaeus, 1758). White-breasted Cormorant (47)

*Phalacrocorax africanus* (Gmelin, 1789). Reed Cormorant (50)

### Anhingidae

*Anhinga rufa* (Lacépède et Daudin, 1802). Darter (52)

### Ardeidae

*Ardea cinerea* Linnaeus, 1758. Grey Heron (54)

*Ardea melanocephala* Vigors and Children, 1826. Black-headed Heron (55)

*Ardea goliath* Cretzschmar, 1826. Goliath Heron (56)

*Ardea purpurea* Linnaeus, 1766. Purple Heron (57)

*Casmerodius albus* (Linnaeus, 1758). Great White Heron (58)

*Egretta garzetta* (Linnaeus, 1766). Little Egret (59)

*Mesophonyx intermedium* (Wagler, 1829). Yellow-billed Egret (60)

*Bubulcus ibis* (Linnaeus, 1758). Cattle Egret (61)

*Ardeola ralloides* (Scopoli, 1769). Squacco Heron (62)

#### Sooty Egret

*Butorides striatus* (Linnaeus, 1758). Green-backed Heron (63)

*Melanophoyx ardesiaca* (Wagler, 1827). Black Heron (64)

*Erythrocnus rufiventris* (Sundevall, 1850). Rufous Heron (65)

*Ardeirallus sturmii* (Wagler, 1827). Dwarf Bittern (66)

*Nycticorax nycticorax* (Linnaeus, 1758). Night Heron (69)

#### Scopidae

*Scopus umbralla* Gmelin, 1789. Hamerkop (72)

#### Ciconiidae

*Leptoptilos crumeniferus* (Lesson, 1831). Marabou Stork (73)

*Anastomus lamelligerus* Temminck, 1823. Openbill (74)

*Ephippiorhynchus senegalensis* (Shaw, 1800). Saddlebill (75)

*Ibis ibis* (Linnaeus, 1766). Wood Ibis (76)

*Sphenorhynchus abdimii* (Lichtenstein, 1823). White-bellied Stork (78)

#### Threskiornithidae

*Threskiornis aethiopicus* (Latham, 1790). Sacred Ibis (81)

*Hagedashia hagedash* (Latham, 1790). Hadedda (84)

#### Plataleidae

*Platalea alba* Scopoli, 1786. Spoonbill (85)

#### Anatadae

*Plectropterus gambensis* (Linnaeus, 1766). Spurwing Goose (88)

*Alopochen aegyptiacus* (Linnaeus, 1766). Egyptian Goose (89)

*Sarkidiornis melanotos* (Pennant, 1769). Knop-billed Duck (91)

*Nettapus auritus* (Boddaert, 1783). Dwarf Goose (92)

*Anas undulata* Dubois, 1837. Yellowbill (96)

*Anas erythrorhyncha* Gmelin, 1789. Red-bill Teal (97)

*Dendrocygna viduata* (Linnaeus, 1766). White-faced Duck (100)

*Dendrocygna bicolor* (Viellot, 1816). Whistling Duck (101)

*Netta erythrophthalma* (Wred, 1833). South African Pochard (102)

*Thalassornis leuconotus* Eyton, 1838. White-backed Duck (104)

#### Sagittariidae

*Sagittarius serpentarius* (Miller, 1779). Secretary Bird (105)

#### Aegyptiidae

*Gyps coprotheres* (Forster, 1798). Cape Vulture (106)

*Gyps africanus* (Salvadori, 1865). White-backed Vulture (107)

*Trogos tracheliotus* (Forster, 1791). Black Vulture (108)

*Trigonoceps occipitalis* (Burchell, 1824). White-headed Vulture (109)

*Necrosyrtes monachus* (Temminck, 1823). Hooded Vulture (110)

Falconidae

*Falco dickinsoni* P.L. Sclater, 1864. Dickinson's Kestrel (121)

Aquilidae

*Milvus migrans* (Boddaert, 1783). Black Kite (128)

*Milvus aegyptius* (Gmelin, 1788). Yellow-billed Kite (129)

*Polemaëtus bellicosus* (Daudin, 1800). Martial Eagle (142)

*Circaëtus cinereus* Vieillot, 1818. Brown Snake-eagle (145)

*Circaëtus pectoralis* A. Smith, 1829. Black-breasted Snake-eagle (146)

*Haliaëtus vocifer* (Daudin, 1800). Fish Eagle (149)

*Terathopius ecaudatus* (Daudin, 1800). Bateleur (151)

*Micronisus gabar* (Daudin, 1800). Gabar Goshawk (162) Black variety.

*Meliërax metabates* Heuglin, 1861. Dark Chanting Goshawk (163)

*Circus ranivorus* (Daudin, 1800). African Marsh Harrier (167).

*Polyboroides typus* A. Smith, 1829. Banded Harrier Hawk (171)

*Pandion haliaëtus* (Linnaeus, 1758). Osprey (172)

Phasianidae

*Francolinus sephaena* (A. Smith, 1836). Crested Francolin (174)

*Francolinus adpersus* Waterhouse, 1838. Red-villed Francolin (182)

*Pternistis swainsoni* (A. Smith, 1836). Swainson's Francolin (185)

Numididae

*Numida meleagris* (Linnaeus, 1758). Crowned Guinea-fowl (192)

Turnicidae

*Turnix sylvatica* (Desfontaine, 1787). Kurrichane button-quail (196)

Rallidae

*Porzana pusilla* (Pallas, 1776). Baillon's Crake (202)

*Limnocorax flavirostra* (Swainson, 1837). Black Crake (203)

*Porphyrio porphyrio* (Linnaeus, 1766). Purple Gallinule (208)

Gruidae

*Burgeranus carunculatus* (Gmelin, 1789). Wattled Crane (215)

Otidae

*Ardeotis kori* (Burchell, 1822). Kori Bustard (217)

*Afrotis afra* (Linnaeus, 1766). Black Korhaan (225)

*Lissotis melanogaster* (Rüppel, 1835). Black-bellied Korhaan (227)

Jacanidae

*Actophilornis africanus* (Gmelin, 1789). African Jacana (228)

*Microparra capensis* (A. Smith, 1839). Lesser Jacana (229)

Choradriidae

*Charadrius marginatus* Vieillot, 1818. White-fronted Sandplover (235)

*Charadrius pecuarius* Temminck, 1823. Kittlitz's Sandplover (237)

*Charadrius tricollaris* Vieillot, 1818. Three-banded Sandplover (238)

*Stephanibys coronatus* (Boddaert, 1783). Crowned Plover (242)

*Hoplopterus armatus* (Burchell, 1882). Blacksmith Plover (245)

*Afribyx senegalensis* (Linnaeus, 1766). Wattled Plover (247)

*Hemiparra crassirostis* (Hartlaub, 1855). White-winged Plover (248)

Scolopacidae

*Capella nigripennis* (Bonaparte, 1839). Ethiopian Snipe (250)

*Actitis hypoleucos* (Linnaeus, 1758). Common Sandpiper (258)

*Tringa stagnatilis* (Bechstein, 1803). Marsh Sandpiper (262)

*Tringa nebularia* (Gunnerus, 1767). Greenshank (263)

*Tringa glareola* (Linnaeus, 1758). Wood Sandpiper (264)

Rcurvirostridae

*Recurvirostra avosetta* Linnaeus, 1758. Avocet (269)

*Himantopus himantopus* (Linnaeus, 1758). Black-winged Stilt (270)

Burhinidae

*Burhinus vermiculatus* (Cabanis, 1868). Water Dikkop

*Burhinus capensis* (Lichtenstein, 1823). Cape Dikkop

Sternidae

*Chlidonias leucoptera* (Temminck, 1815). White-winged Lake Tern (304)

Pteroclididae

*Pterocles bicinctus* Temminck, 1815. Double-banded Sandgrouse (810)

Columbidae

*Streptopelia semitorquata* (Rüppel, 1837). Red-eyed Turtle Dove (314)

*Streptopelia decipens* (Finsch and Hartlaub, 1870). Angola Mourning Dove (315)

*Streptopelia capicola* (Sundevall, 1857). Cape Turtle Dove (316)

*Stigmatopelia senegalensis* (Linnaeus, 1766). Laughing Dove (317)

*Oena capensis* (Linnaeus, 1766). Namaqua Dove (318)

*Turtur chalcospilos* (Wagler, 1827). Emerald-spotted Wood Dove (321)

Treronidae

*Tetron calva* (Temminck and Knip, 1909). Green pigeon (323)

Psittacidae

*Poicephalus meyeri* (Cretzchmar, 1826). Meyer's Parrot (327)

Musophagidae

*Corythaixoides concolor* (A. Smith, 1833). Grey Loerie (339)

Cuculidae

*Centropus cupreicaudus* Reichenow, 1896. Coppery-tailed Coucal (354)

*Centropus superciliosus* Hemprich and Ehrenberg, 1833. Burchell's Coucal (356)

Bubonidae

*Otus scops* (Linnaeus, 1758). Scops Owl (363)

*Glaucidium perlatum* (Vieillot, 1817). Pearl-spotted Owlet (365)

*Glaucidium capense* (A. Smith, 1834). Barred Owlet (366)

*Bubo africanus* (Temminck, 1823). Spotted Eagle Owl (368)

*Bubo lacteus* (Temminck, 1824). Giant Eagle Owl (369)

*Scotopelia peli* Bonaparte, 1859. Fishing Owl (370)

Caprimulgidae

*Caprimulgus tristigma* Rüppel, 1849. Freckled Nightjar (374)

Micropodidae

*Cypsiurus parvus* (Lichtenstein, 1823). Palm Swift (287)

Coliidae

*Urocolius indicus* (Latham, 1790). Red-faced Mousebird (392)

Alcedinidae

*Ceryle rudis* (Linnaeus, 1758). Pied Kingfisher (394)

*Megaryle maxima* (Pallas, 1769). Giant Kingfisher (395)

*Corythornis cristata* (Pallas, 1764). Malachite Kingfisher (397)

*Halcyon senegalensis* (Linnaeus, 1766). Angola Kingfisher (399)

*Halcyon albiventris* (Scopoli, 1786). Brown-hooded Kingfisher (402)

*Halcyon chelicuti* (Stanley, 1814). Striped Kingfisher (403)

Meropidae

*Merops nubicoides* Des Murs and Pucheran, 1846. Carmine Bee-eater (407)

*Mellittophagus pusillus* (Müller, 1776). Little Bee-eater (410)

*Dicrocerus hirundineus* (Lichtenstein, 1793). Swallow-tailed bee-eater (411)

Coraciidae

*Coracias caudata* Linnaeus, 1766. Lilac-breasted Roller (413)

*Coracias naevia* Daudin, 1800. Mozambique Roller (415)

Upupidae

*Upupa africana* Bechstein, 1811. African Hoopoe (418)

*Phoeniculus purpureus* (Miller, 1794). Red-billed Hoopoe (419)

*Rhinopomastus cyanomelas* (Vieillot, 1819). Scimitar-billed Hoopoe (421)

Bucerotidae

*Lophoceros nasutus* (Linnaeus, 1766). Grey Hornbill (424)

*Lophoceros erythrorhynchus* (Temminck, 1823). Red-billed Hornbill (425)

*Lophoceros flavirostris* (Rüppell, 1835). Yellow-billed Hornbill (426)

*Lophoceros bradfieldi* (Roberts, 1930). Bradfield's Hornbill (428)

*Bucorvis leadbeateri* (Vigors, 1825). Ground Hornbill (430)

Capitonidae

*Lybius torquatus* (Dumont, 1806. Black-collared Barbet (431)

*Pogoniulus chrysoconus* (Temminck, 1832). Yellow-fronted Tinker Barbet (437)

*Trachyphonus vaillantii* Ranzani, 1821. Crested Barbet (439)

Indicatoridae

*Indicator indicator* (Sparman, 1777). Greater Honey-guide (440)

*Indicator minor* Stephens, 1815. Lesser Honey-guide (442)

Prodotiscidae

*Prodotiscus regulus* Sundevall, 1850. Sharp-billed Honey-guide (443)

Picidae

*Campethera abingoni* (A. Smith, 1836). Golden-tailed Woodpecker (447)

*Dendropicops fuscescens* (Vieillot, 1818). Cardinal Woodpecker (450)

*Thripas namaquus* (Lichtenstein, 1793). Bearded Woodpecker (451)

Alaudidae

*Eremopterix verticalis* (A. Smith, 1836). Grey-backed Finch-lark (485)

Hirundinidae

*Pseudhirundo griseopyga* (Sundevall, 1859). Grey-rumped Swallow (499)

*Cecropis abyssinica* (Guérin, 1843). Lesser-Striped Swallow (503)

*Riparia cincta* (Boddaert, 1783). Banded Sand-Martin (510)

Dicruridae

*Dicrurus adsimilis* (Bechstein, 1794). Fork-tailed Drongo (517)

Oriolidae

*Oriolus larvatus* Lichtenstein, 1823. Black-headed Oriole (521)

Corvidae

*Corvus albus* Müller, 1776. Pied Crow (522)

Paridae

*Parus after* Gmelin, 1789. Grey Tit (525)

*Parus niger* Vieillot, 1818. Black Tit (527)

Remizidae

*Anthoscopus minutus* (Shaw and Nodder, 1812). Penduline Tit (531)

Timaliidae

*Turdoides jardineii* (A. Smith, 1836). Arrow-marked Babbler (533)

*Turdoides leucopygia* (Rüppell, 1840). White rumped Babbler (585)

Pycnonotidae

*Pycnonotus nigricans* (Vieillot, 1818). Red-eyed Bulbul (544)

*Pycnonotus barbatus* (Desfontaines, 1787). Black-eyed Bulbul (545)

*Phyllastrephus terrestris* Swainson, 1837. Terrestrial Bulbul (546)

Turdidae

*Turdus libonyanus* (A. Smith, 1836). Kurrichane Thrush (552)

*Turdus litsitsirupa* (A. Smith, 1836). Groundscraper Thrush (557)

*Oenanthe pileata* (Gmelin, 1789). Capped Wheatear (568)

*Myrmecocichla arnotti* (Tristram, 1869). Arnott's Chat (574)

*Saxicola torquata* (Linnaeus, 1766). Stone Chat (576)

*Cossypha heuglini* Hartlaub, 1886. White-browed Robin (580)

*Erythropygia paena* A. Smith, 1836. Kalahari Scrub Robin (586)

*Erythropygia leucophrys* (Vieillot, 1817). White-browed Scrub Robin (588)

Sylviidae

*Calamocichla gracilirostris* (Hartlaub, 1864). Cape Reed Warbler (604)

*Sylvietta rufescens* (Vieillot, 1817). Crombek (621)

*Apalis flavida* (Strickland, 1852). Yellow-breasted Apalis (625)

*Camaraoptera brevicaudata* (Cretzschmar, 1831). Grey-backed Bush Warbler (628)

*Cisticola chiniana* (A. Smith, 1843). Rattling Cisticola (642)



*Cisticola galactotes* (Temminck, 1823). Black-backed Cisticola (645)

*Cisticola tinniens* (Lichtenstein, 1842). Le Vaillant's Cisticola (646)

#### Priniidae

*Prinia subflava* (Gmelin, 1789). Tawny-flanked Prinia (649)

#### Muscicapidae

*Muscicapa cinerica* (Cassin, 1856). Blue-grey flycatcher (656)

*Parisoma plumbeum* (Hartlaub, 1858). Grey Tit-babbler (657)

*Parisoma subcaeruleum* (Vieillot, 1817). Tit-babbler (658)

*Melaenormis pammelania* (Stanley, 1814). Black Flycatcher (664)

*Batis molitor* (Huhn and Küster, 1850). White-flanked Flycatcher (673)

#### Motacillidae

*Motacilla capensis* Linnaeus, 1766. Cape Wagtail (686)

*Anthus richardi* Vieillot, 1918. Richard's Pipit (692)

*Anthus similis* Jerdon, 1840. Nicholson's Pipit (693)

#### Laniidae

*Lanius collurio* Linnaeus, 1758. Red-backed Shrike (708)

*Laniarius ferrugineus* (Gmelin, 1788). Boubou Shrike (709)

*Laniarius atro-coccineus* Burchell, 1822. Crimson-breasted Shrike (711)

*Dryoscopus cubla* (Shaw, 1809). Puffback Shrike (712)

*Tchagra australis* (A. Smith, 1836). Three-streaked Tchagra (714)

*Tchagra senegala* (Linnaeus, 1766). Black-crowned Tchagra (715)

*Chlorophoneus sulphureopectus* (Lesson, 1831). Orange-breasted Bush Shrike (719)

*Urolestes melanoleucus* (Jardine, 1831). Longtailed Shrike (724)

*Prionops plumata* (Shaw, 1809). White Helmet Shrike (727)

*Sigmoctus retzii* (Wahlberg, 1856). Red-billed Helmet Shrike (728)

*Eurocephalus anguitimens* A. Smith, 1836. White-crowned Shrike (730)

*Nilaus afer* (Latham, 1801). Brubru Shrike (731)

#### Sturnidae

*Creatophora cinerea* (Menschen, 1787). Wattled Starling (735)

*Lamproeolius chalybaeus* (Hemprich and Ehrenburg, 1828). Blue-eared Glossy Starling (738)

*Lamprotornis mevesii* (Wahlberg, 1857). Long-tailed Starling (742)

*Lamprotornis australis* (A. Smith, 1836). Burchell's Glossy Starling (743)

#### Byphagidae

*Buphagus africanus* Linnaeus, 1766. Yellow-billed Oxpecker (747)

*Buphagus erythrorhynchus* (Stanley, 1814). Red-billed Oxpecker (748)

Nectariniidae

*Cinnyris mariquensis* A. Smith, 1836. Marico Sunbird (755)

*Cinnyris talatala* A. Smith, 1836. White-breasted Sunbird (763)

Zosteropidae

*Zosterops senegalensis* Bonaparte, 1850. Yellow White-eye (777)

Bubalornithinae

*Bubalornis albirostris* (Vieillot, 1817). Buffalo Weaver (779)

Plocepasserinae

*Plocepasser mahali* A. Smith, 1836. White-browed Sparrow-weaver (780)

Passerinae

*Passer diffusus* (A. Smith, 1836). Grey-headed Sparrow (787)

*Petronia supereiliaris* (Blyth, 1845). Yellow-throated Sparrow (788)

Ploceinae

*Ploceus intermedius* Rüppell, 1845. Lesser Masked Weaver (792)

*Anaplectes rubriceps* (Sundevall, 1851). Red-headed Weaver (793)

*Ploceus cucullatus* (Müller, 1776). Spotted-backed Weaver (797)

*Ploceus xanthops* (Hartlaub, 1862). Larger Golden Weaver (801)

*Quelea quelea* (Linnaeus, 1758). Red-billed Quelea (805)

*Coliuspasser axillaris* (A. Smith, 1838). Red-shouldered Widow-bird (816)

Estrildinae

*Pytelia melba* (Linnaeus, 1758). Melba Finch (830)

*Lagonosticta senegala* (Linnaeus, 1766). Red-billed Firefinch (837)

*Uraeginthus angolensis* (Linnaeus, 1758). Blue Waxbill (839)

*Estrilda erythronotos* (Vieillot, 1817). Black-cheeked Waxbill (841)

*Estrilda astrild* (Linnaeus, 1758). Common Waxbill (843)

*Ortygospiza atricollis* (Vieillot, 1817). Quail Finch (844)

## SYSTEMATIC LIST OF MAMMAL SPECIES

Scientific nomenclature and systematic order follows that of R.H.N. Smithers (1971), “The Mammals of Botswana”, with exceptions as cited under **MAMMAL FAUNA – Results p.** Species are noted from sight records, specimens identified by the National Museums of Rhodesia and in two instances from reliable persons operating in the study area.

### Insectivora

*Crocidura flavescens* (I. Geoffroy, 1827). Giant Musk Shrew

*Crocidura bicolor woosnami* Dollman, 1915. Tiny Musk Shrew

*Crocidura mariquensis shortridgei* St. Ledger, 1932. Black Musk Shrew

### Chiroptera

*Epomophorus crypturus* Peters, 1852. Peters’ Epauletted Fruit Bat

### Primates

*Galago senegalensis bradfieldi* Roberts, 1931. Lesser Galago, Night Ape

*Cercopithecus aethiops ngamiensis* Roberts, 1932. Vervet Monkey

*Papio ursinus* (Kerr, 1792). Chachma Baboon

### Pholidota

*Manis temmincki* Smuts, 1832. Pangolin

### Carnivora

*Proteles cristatus* (Sparrman, 1783). Aardwolf

*Crocuta crocuta* (Erxleben, 1777). Spotted Hyaena

*Acinonyx jubatus jubatus* (Schreber, 1775). Cheetah

*Panthera pardus pardus* Linnaeus, 1758. Leopard

*Panthera leo* (Linnaeus, 1758). Lion

*Felis libyca griselda* Thomas, 1926. Wild Cat

*Felis serval serval* Schreber, 1776. Serval

*Otocyon megalotis megalotis* (Desmarest, 1822). Bateared Fox

*Lycaon pictus pictus* (Temminck, 1820). Wild Dog

*Canis adustus adustus* Sundevall, 1846. Sidestriped Jackal

*Canis mesomelas arenarum* (Thomas, 1926). Blackbacked Jackal

*Aonyx capensis capensis* (Schinz, 1821). Clawless Otter

*Lutra maculicollis chobiensis* Roberts, 1932. Spotted-necked Otter

*Mellivora capensis* (Schreber, 1776). Honey Badger, Ratel

*Ictonyx striatus* (Perry, 1810). Striped Polecat

*Viverra civetta civetta* Schreber, 1776. Civet

*Genetta genetta pulchra* Matschie, 1902. Smallspotted Genet

*Genetta tigrina rubiginosa* Pucheran, 1855. Rustyspotted Genet

*Cynictus penicillata* (G. Cuvier, 1829). Yellow Mongoose

*Herpestes sanguineus* Rüppell, 1836. Slender Mongoose

*Atilax paludinosus* (G. Cuvier, 1829). Water Mongoose

*Mungos mungo grisonax* Thomas, 1926. Banded Mongoose

Tubulidentata

*Orycteropus afer afer* (Pallas, 1766). Antbear, Aardvark

Proboscidae

*Loxodonta africana africana* (Blumenbach, 1797). Elephant

Perissodactyla

*Equus burchelli antiquorum* (H. Smith, 1841). Burchell's Zebra

Artiodactyla

*Phacochoerus aethiopicus sundevalli* Lonnberg, 1908. Warthog

*Hippopotamus amphibius capensis* Desmoulins, 1825. Hippopotamus

*Giraffa camelopardalis angolensis* Lydekker, 1903. Giraffe

*Sylvicapra grimmia splendidula* (Gray, 1871). Common or Grey Duiker

*Raphicerus campestris steinhardtii* (Zukowsku, 1924). Steenbok

*Tragelaphus strepsiceros strepsiceros* (Pallas, 1766). Kudu

*Tragelaphus spekei selousi* Rothschild, 1898. Sitatunga

*Tragelaphus scriptus ornatus* Pocock, 1900. Chobe Bushbuck

*Aepyceros melampus melampus* (Lichtenstein, 1812). Impala

*Redunca arundinum arundinum* (Boddaert, 1785). Reedbuck

*Kobus ellipsiprymnus ellipsiprymnus* (Ogilby, 1833). Waterbuck

*Kobus leche leche* Gray, 1850. Lechwe

*Hippotragus equinus cottoni* Dollman and Burlace, 1928. Roan

*Syncerus caffer caffer* (Sparrman, 1779). Buffalo

*Connochaetes taurinus taurinus* (Burchell, 1832). Blue Wildebeest

*Damaliscus lunatus lunatus* (Burchell, 1823). Tsessebe

Lagomorpha

*Lepus saxitilis* F. Cuvier, 1823. Scrub Hare

Rodentia

- Cryptomys damarensis* (Ogilby, 1838). Damara Mole-rat  
*Hystrix africaeaustralis* Peters, 1852. Porcupine  
*Pedetes capensis damarensis* Roberts, 1926. Spring Hare  
*Graphiurus murinus* (Desmarest, 1822). Dormouse  
*Paraxerus cepapi maunensis* Roberts, 1932. Bush Squirrel  
*Thryonomys swinderianus* (Temminck, 1827). Greater Cane Rat  
*Otomys angoniensis maximus* Roberts, 1924. Angoni Vlei Rat  
*Pellomys fallax rhodesiae* Roberts, 1929. Creek Rat  
*Dasymys incomtus nudipes* (Peters, 1870). Water Rat  
*Leggada minutoides induta* (Thomas, 1910). Pygmy Mouse  
*Praomys natalensis microdon* (Peters, 1852). Multimammate Mouse  
*Tatera leucogaster* (Peters, 1852). Bushveld Gerbil  
*Tatera brantsi griquae* Wroughton, 1906. Brant's Gerbil

**MAMMALS NOT RECORDED BY THIS STUDY, BUT LISTED  
ADJACENTLY BY OTHER AUTHORS**

*Crocidura hirta deserti* Schwann, 1906

Lesser Red Musk Shrew. Smithers (1971) records from Riverine woodland fringes at Maun.

*Tadarida midas midas* (Sundevall, 1843)

Sundevall's Freetailed Bat.

This is probably the species of *Tadarida* as listed which could not be identified due to decomposition.

*Tadarida pumila* (Cretzschmar, 1830 vee 1831)

Little Freetailed Bat

Recorded from Maun by Smithers (*op. cit.*).

*Eptesicus capensis capensis* (A. Smith, 1829)

Cape Serotine Bat

Recorded as common and collected from rich Riverine woodland of the Okavango Delta. (Smithers, *op. cit.*)

*Scotophilus leucogaster viridis* (Peters, 1852)

Lesser Yellow House Bat

Recorded by Smithers (*op. cit.*) as occurring throughout the Okavango Delta.

*Nycteris thebaica capensis* A. Smith, 1829

Egyptian Slitfaced Bat

Recorded from the lower Khwai and Nokaneng (Smithers, 1971).

*Felis caracal limpopoensis* (Roberts, 1926)

Caracal Thwane

Caracal were recorded by Smithers (*op. cit.*) and visual records by myself from near Maun and Moremi Wildlife Reserve. Suitable habitat exists on Chief's Island but none were recorded.

*Paracynictus selousi ngamiensis* Roberts, 1932

Selous' Mongoose

Recorded from the lower Delta areas and being mainly nocturnal may have been missed (Smithers, *op. cit.*).

*Herpestes ichneumon mababiensis* Roberts, 1932

Large Grey Mongoose

Recorded from the Okavango River and northern parts of the Delta (Smithers, *op. cit.*). Being predominantly diurnal it is unlikely they were overlooked.

*Ichneumia albicauda grandis* (Thomas, 1890)

White-tailed Mongoose

Recorded on the Khwai and Gomoti Rivers and in the western extremity of Moremi Wildlife Reserve (Smithers, *op. cit.*). Being nocturnal and from close adjacent areas white-tailed mongoose may well occur.

*Helogale parvula parvula* (Sundevall, 1846)

Dwarf Mongoose leSwekete

Recorded from Moremi Wildlife Reserve (Smithers, *op. cit.*) and myself but appear to prefer drier areas near water. Being gregarious and diurnal, they are thought not to occur in the study area.

*Ceratotherium simum simum* (Burchell, 1817)

Squarelipped Rhinoceros

Extinct from Botswana but expansion or movement from recent introductions (1974) into the Moremi Wildlife Reserve may see this species present in the future in the study area.

*Diceros bicornis bicornis* (Linnaeus, 1758)

Black Rhinoceros Tshukudu

Recorded in Smithers (*op. cit.*) by Wilmot over Chief's Island. Although searched for after old residents also claimed black rhinoceros present in the past, no evidence of such

could be found. They seem now restricted to the Kwando/Linyanti/Savuti areas and in Eastern Botswana opposite Wankie National Park.

*Potamochoerus porcus* (Linnaeus, 1758)

Bushpig Kolobe dombo

Recorded by Smithers (1971) and local residents from the extreme northern parts of the Delta. It is possible that bushpig occur in the extreme north of the study area but no evidence was found.

*Hippotragus niger niger* (Harris, 1838)

Sable Kwalata entsho

Although \*J. Ramsden (**verb.comm.** ) claimed to have seen Sable on Chief's Island, no evidence was found, and their distribution shows them to be marginal Delta inhabitants.

*Saccostomus campestris* (Peters, 1846)

Pouched Mouse

Recorded by Smithers (*op. cit.*) from the fringes of the Okavango Delta.

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## SYSTEMATIC LIST OF REPTILES RECORDED

Species listed are from collected specimens identified by the Transvaal Museum, Pretoria; and in seven cases from sight records and own identification. The systematic order of the families follows that of FitzSimons (1943), Roiux-Estéve (1974) and Broadley, Gans and Visser (1976), (for Lizards); FitzSimons (1962) and Broadley (1971), (for Snakes); and Broadley (*op. cit.*), (for Tortoises and Crocodile).

### SAURIA (LACERTILIA)

#### Gekkonidae

*Lygodactylus capensis capensis* (A. Smith, 1849). Common Dwarf Gecko

#### Chamaelontidae

*Chamaelo dilepis dilepis* Leach, 1819. Common East African or Flap-necked Chamaeleon.

#### Scincidae

*Mabuya varia* (Peters, 1867). Common Variegated Skink

*Mabuya Striata Wahlbergii* (A. Smith, 1869). Wahlberg's Striped skink

*Riopa sundevallii sundevallii* (A. Smith, 1849). Sundevall's Skink

*Afroablepharus wahlbergii* (A. Smith, 1849). Wahlberg's Dwarf Skink

#### Varanidae

*Varanus exanthematicus albigularis* (Daudin, 1802). White-throated Monitor, Rock or Tree Leguaan

*Varanus niloticus* (Linnaeus, 1762). Nile Monitor, Water or River Leguaan

#### Suborder Amphisbaenia

#### Amphisbaenidae

*Dalophia pistillum* (Boettger, 1895). Worm Lizard

### SERPENTES (OPHIDIA)

#### Typhlopidae

*Rhinotyphlops schlegelii dinga* (Peters, 1854). Northern Zambesi or Variegated Blind Snake

#### Pythonidae

*Python sebae* (Gmelin, 1789). Common African Python



Colubridae

*Philothamnus irregularis irregularis* (Leach, 1819). Green Swamp Snake

*Dasypeltis scabra scabra* (Linnaeus, 1758). Common Egg-eater

*Thelotornis capensis oatesii* (Günther, 1881). Oates' Vine Snake

*Xenocalamus mechowii inornatus* Witte and Laurent, 1947. Western Quill-snouted Snake

Elapidae

*Dendroaspis polylepis polylepis* Günther, 1864. Black Mamba

*Naja* sp. cf. *haje anchaetae* Bocage, 1879. Egyptian Cobra

Viperidae

*Causus rhombeatus* (Lichtenstein, 1823). Common or Rhombic Night Adder

Crocodylia

*Crocodylus niloticus* Laurentus (part), 1768. Nile Crocodile

TESTUDINES (CHELONIA)

Testudinidae

*Geochelone pardalis babcocki* (Loveridge, 1935). Leopard Tortoise

*Kinixys beliana belliana* Gray, 1931. Bell's Hinged Tortoise

Pelomedusidae

*Pelusios bechuanicus* FitzSimon, 1932. Okavango Hinged Terrapin

*Pelusios castaneus* Hewitt, 1927. Hinged Terrapin

*Pelusios subniger* Lacépède, 1789. Pan Terrapin

**SYSTEMATIC LIST OF AMPHIBIANS RECORDED**

Species listed are from collected specimens identified by the Transvaal Museum Pretoria.

Systematic order of the Families follows that of Poynton (1964).

Pipidae

*Xenopus muelleri* (Peters, 1844). Northern Platanna

Bufo

*Bufo regularis* Reuss, 1834. Common Toad

Ranidae

Hemisinae

*Hermisus marmoratum* (Peters, 1854). Mottled Burrowing Frog

Hyperolinae

*Hyperolius angolensis* Steindachner, 1867. Angolan Painted Reedfrog

*Hyperolius nasutus* Günther, 1864. Long Reed Frog