



Report at a Glance

Source: A Rapid Biological Assessment of North Lorma, Gola and Grebo National Forests, Liberia: 10

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A RAPID BIOLOGICAL ASSESSMENT OF NORTH LORMA, GOLA AND GREBO NATIONAL FORESTS, LIBERIA

Expedition Dates

13 November – 11 December 2005

Area Description

North Lorma National Forest consists of seasonal moist evergreen and semi-deciduous forest and some open riverine forest habitat. It is situated in northwestern Liberia near the border with Guinea and lies between the Wologizi and the Wonegizi Mountains. Many smaller streams were present within a slightly hilly landscape. Further from the river but at a higher elevation the vegetation quickly changed to lower forest with large scattered trees. This site had the least amount of disturbance with the presence of an old overgrown logging road the only noticeable sign.

Gola National Forest is also seasonal moist evergreen and semi-deciduous forest and is situated between the Gola Strict Nature Reserve in Sierra Leone and Kpelle National Forest in Liberia. The terrain has steep slopes with small, rocky streams and the vegetation was dense in most areas although large lianas were present. Illegal small-scale diamond mining was observed just inside the forest.

Grebo National Forest is a wet evergreen forest situated in the southeast of the country and is contiguous with the Forêt Classée du Cavally in Côte d'Ivoire. It consists of mature secondary forest that is open with isolated huge trees. Aquatic sites within the area were medium sandy streams with a few stones and rocks as well as large ponds. Logging occurred in this area roughly twenty years ago.

Reason for the Expedition

This survey was part of the larger Liberia Forest Initiative (LFI), an initiative supporting efforts to rehabilitate and reform the forest sector in Liberia and harmonize activities associated with these efforts. In addition to collecting data on the sites to strengthen and expand conservation efforts in Liberia, the RAP survey worked to build scientific capacity within the FDA, University of Liberia and local NGOs. Efforts were also made to increase the Liberian public's awareness of their rich flora and fauna.

Major Results

| | All RAP sites in this survey | North Lorma | Gola | Grebo |
|---------------------------------|------------------------------|-------------|------|-------|
| Number of species recorded | 969 | 526 | 486 | 520 |
| Species of conservation concern | 60 | 29 | 27 | 41 |
| New species discovered | 6 | — | 5 | 4 |
| New records for Liberia | 18 | 7 | 7 | 3 |
| Species endemic to Upper Guinea | 147 | 61 | 81 | 70 |

Number of Species Recorded:

| | |
|---------------------------|---------------------|
| Plants | 548 species |
| Dragonflies & damselflies | 93 species |
| Amphibians | At least 40 species |
| Reptiles | 17 species |
| Birds | 211 species |
| Bats | 22 species |
| Small terrestrial mammals | 9 species |
| Large mammals | 29 species |

New Species Discovered:

| | |
|---------------------------------|--|
| Plants (3) | |
| | <i>Drypetes</i> sp. nov. |
| | <i>Leptoderris</i> sp. nov. |
| | <i>Rhaphiostylis</i> sp. nov. |
| Dragonflies and damselflies (1) | |
| | <i>Eleuthemis</i> sp. nov. |
| Amphibians (1?) | possibly <i>Phrynobatrachus</i> cf. <i>annulatus</i> |
| Bats (1?) | possibly <i>Neoromicia</i> aff. <i>grandidieri</i> |

New Records for Liberia:

| | |
|---------------------------------|---|
| Plants (3) | |
| | <i>Elytraria ivorensis</i> |
| | <i>Gardenia nitida</i> |
| | <i>Zanthoxylum psammophilum</i> |
| Dragonflies and damselflies (7) | |
| | <i>Nesciothemis minor</i> |
| | <i>Palpopleura deceptor</i> |
| | <i>Palpopleura portia</i> |
| | <i>Paragomphus nigroviridis</i> |
| | <i>Tetrathemis polleni</i> |
| | <i>Tramea limbata</i> |
| | <i>Trithemis monardi</i> |
| Amphibians (5) | |
| | <i>Africalus nigeriensis</i> |
| | <i>Astylosternus occidentalis</i> |
| | <i>Bufo superciliaris</i> |
| | <i>Chiromantis rufescens</i> |
| | <i>Phrynobatrachus villiersi</i> |
| Bats (3) | |
| | <i>Neoromicia</i> aff. <i>grandidieri</i> |
| | <i>Neoromicia guineensis</i> |
| | <i>Rhinolophus landeri</i> |

Species of Conservation Concern:

| | |
|---------------------------------|--|
| Dragonflies and damselflies (2) | |
| | <i>Sapho fumosa</i> (NT) |
| | <i>Trithemis africana</i> (NT) |
| Amphibians (17) | |
| | <i>Amnirana occidentalis</i> (EN) |
| | <i>Phrynobatrachus annulatus</i> (EN) |
| | <i>Phrynobatrachus</i> cf. <i>annulatus</i> (EN) |
| | <i>Conraua alleni</i> (VU) |
| | <i>Phrynobatrachus villiersi</i> (VU) |
| | <i>Africalus nigeriensis</i> (NT) |
| | <i>Bufo togoensis</i> (NT) |
| | <i>Hyperolius chlorosteus</i> (NT) |
| | <i>Leptopelis macrotis</i> (NT) |
| | <i>Leptopelis occidentalis</i> (NT) |
| | <i>Petropedetes natator</i> (NT) |
| | <i>Phrynobatrachus alleni</i> (NT) |
| | <i>Phrynobatrachus guineensis</i> (NT) |
| | <i>Phrynobatrachus liberiensis</i> (NT) |
| | <i>Phrynobatrachus phyllophilus</i> (NT) |
| | <i>Ptychadena superciliaris</i> (NT) |
| | <i>Bufo superciliaris</i> (CITES I) |
| Reptiles (5) | |
| | <i>Osteolaemus tetraspis</i> (CITES I) |
| | <i>Kinixys eros</i> (CITES II) |
| | <i>Kinixys homeana</i> (CITES II) |
| | <i>Python sebae</i> (CITES II) |
| | <i>Varanus ornatus</i> (CITES II) |
| Birds (14) | |
| | <i>Malimbus ballmanni</i> (EN) |
| | <i>Agelastes meleagrides</i> (VU) |
| | <i>Bleda eximius</i> (VU) |
| | <i>Criniger olivaceus</i> (VU) |
| | <i>Lobotos lobatus</i> (VU) |
| | <i>Melaenornis annamarulae</i> (VU) |
| | <i>Picathartes gymnocephalus</i> (VU) |
| | <i>Bathmocercus cerviniventris</i> (NT) |
| | <i>Bycanistes cylindricus</i> (NT) |
| | <i>Ceratogymna elata</i> (NT) |
| | <i>Illadopsis rufescens</i> (NT) |
| | <i>Lamprotornis cupreocauda</i> (NT) |
| | <i>Malaconotus lagdeni</i> (NT) |
| | <i>Melignomon eisentrauti</i> (DD) |

Bats (5)

Rhinolophus hillorum (VU)
Hipposideros fuliginosus (NT)
Scotonycteris zenkeri (NT)
Hypsugo (crassulus) bellieri (n.a.)
Neoromicia aff. grandidieri (n.a.)

Large Mammals (17)

Hexaprotodon liberiensis (EN)
Cercopithecus diana (EN)
Pan troglodytes verus (EN)
Piliocolobus badius (EN)
Loxodonta africana cyclotis (VU)
Cephalophus jentinki (VU)
Syncerus caffer (LR/cd)
Cephalophus dorsalis (LR/nt)
Cephalophus maxwelli (LR/nt)
Cephalophus niger (LR/nt)
Cephalophus ogilbyi (LR/nt)
Cephalophus silvicultor (LR/nt)
Cercocebus atys (LR/nt)
Colobus polykomos (LR/nt)
Procolobus verus (LR/nt)
Tragelaphus euryceros (LR/nt)
Panthera pardus (CITES I)

The IUCN Red List categorizes species based on the degree to which they are threatened. Categories, from less threatened to most threatened, include: Data Deficient (DD, not enough is known to make an assessment), Lower Risk (LR) which includes Conservation Dependent (cd), Near Threatened (nt), and Least Concern (lc, listed but not threatened), Vulnerable (VU), Endangered (EN), and Critically Endangered (CR) (IUCN 2006); n.a.: not assessed by IUCN but likely to be threatened.

CITES Appendices I, II and III list species afforded different levels or types of protection from over-exploitation (see <http://www.cites.org/eng/app/index.shtml>).

CONSERVATION RECOMMENDATIONS

North Lorma, Gola and Grebo National Forests all contain a wealth of biodiversity and a significant number of species of conservation concern and each qualifies as an Important Bird Area. Large numbers of the recorded species are restricted to the forests of Upper Guinea. Over 40% of the remaining Upper Guinea forest lies within Liberia and it includes several large tracts of contiguous forest making these among the last refuges for large migrating mammals. For these reasons it is recommended to:

- Raise the status of Grebo National Forest to National Park. Grebo National Forest's close proximity to both Taï National Park in Côte d'Ivoire and Sapo National Park offers an opportunity to create a biological corridor between the two parks.
- Raise the status of North Lorma National Forest to National Park. It is suggested that Wonegizi and Wologizi Mts. also be included in such a park and that the area should be contiguous to the Biosphere Reserve of the Massif du Ziama in Guinea.
- Raise the status of Gola National Forest to National Park and create a transboundary biological corridor with the Gola Forest in Sierra Leone.
- Create a mechanism within which all potential protected areas, especially Grebo, North Lorma and Gola National Forests, can be given blanket protective coverage to allow time for gradual biological, socio-economic and other relevant studies to occur.
- Involve all stakeholders, especially local communities, at an early stage in an open, transparent manner, when establishing forest management plans for these sites.

Appendix 1

Plant species recorded in North Lorma, Gola and Grebo National Forests.

Carel C.H. Jongkind

| | |
|---------------------------------------|---|
| Herb. = | Voucher deposited in National Herbarium Nederland - Wageningen University |
| -X- = | Notes only taken in the field |
| Photo = | Photograph and notes taken |
| Bold = | Endemic to the Upper Guinea forest block |
| <u>Bold & Underlined</u> = | Endemic to Liberia |

Species' IUCN and CITES status are not listed because for western African plant species these lists are incomplete and represent only a small number of the plant species that are actually threatened. Combining the IUCN/CITES data with the list below would give a wrong indication for the sites we visited during this RAP survey.

| Family | Species | North Lorma | Gola | Grebo |
|-------------|--|-------------|-------|-------|
| Acanthaceae | <i>Asystasia scandens</i> (Lindl.) Hook. | | Herb. | |
| Acanthaceae | <i>Asystasia vogeliana</i> Benth. | | Herb. | |
| Acanthaceae | <i>Brillantaisia lamium</i> (Nees) Benth. | Herb. | | |
| Acanthaceae | <i>Elytraria ivorensis</i> Dokosi | | | Herb. |
| Acanthaceae | <i>Elytraria marginata</i> Vahl | Herb. | | |
| Acanthaceae | <i>Eremomastax speciosa</i> (Hochst.) Cufod. | Herb. | | |
| Acanthaceae | <i>Justicia extensa</i> T.Anderson | Herb. | | |
| Acanthaceae | <i>Justicia flava</i> (Forssk.) Vahl | Herb. | | |
| Acanthaceae | <i>Justicia tenella</i> (Nees) T.Anderson | Herb. | | |
| Acanthaceae | <i>Lankesteria brevior</i> C.B.Clarke | | Herb. | |
| Acanthaceae | <i>Lepidagathis alopecuroides</i> (Vahl) R.Br. ex Griseb. | Herb. | Herb. | |
| Acanthaceae | <i>Mendoncia combretoides</i> (A.Chev.) Benoist | | Herb. | Herb. |
| Acanthaceae | <i>Physacanthus batanganus</i> (J.Braun & K.Schum.) Lindau | | Herb. | |
| Acanthaceae | <i>Physacanthus nematosiphon</i> (Lindau) Rendle & Britten | | Herb. | |
| Acanthaceae | <i>Rhinacanthus virens</i> (Nees) Milne-Redh. | Herb. | | |
| Acanthaceae | <i>Ruellia primuloides</i> (T.Anderson ex Benth.) Heine | Herb. | Herb. | Herb. |
| Acanthaceae | <i>Staurogyne capitata</i> E.A.Bruce | Herb. | | Herb. |
| Acanthaceae | <i>Thunbergia chrysops</i> Hook. | Herb. | | |
| Acanthaceae | <i>Whitfieldia colorata</i> C.B.Clarke ex Stapf | | Herb. | Herb. |
| Acanthaceae | <i>Whitfieldia lateritia</i> Hook. | Herb. | | Herb. |
| Adiantaceae | <i>Adiantum vogelii</i> Mett. ex Keyserl. | Herb. | | Herb. |
| Adiantaceae | <i>Pellaea doniana</i> Hook. | Herb. | | |

continued

| Family | Species | North Lorma | Gola | Grebo |
|-------------------|---|-------------|-------|-------|
| Amaranthaceae | <i>Cyathula prostrata</i> (L.) Blume | Herb. | | |
| Amaryllidaceae | <i>Crinum natans</i> Baker | | -X- | |
| Anacardiaceae | <i>Trichoscypha arborea</i> (A.Chev.) A.Chev. | | | Herb. |
| Anacardiaceae | <i>Trichoscypha barbata</i> Breteler | | Herb. | |
| Anacardiaceae | <i>Trichoscypha bijuga</i> Engl. | Herb. | Herb. | |
| Anacardiaceae | <i>Trichoscypha linderi</i> Breteler | | Herb. | |
| Anacardiaceae | <i>Trichoscypha lucens</i> Oliv. | | | Herb. |
| Ancistrocladaceae | <i>Ancistrocladus barteri</i> Scott-Elliot | | | Herb. |
| Anisophylleaceae | <i>Anisophyllea meniaudii</i> Aubrév. & Pellegr. | | Herb. | |
| Annonaceae | <i>Annickia polycarpa</i> (DC.) Setten & Maas | | | Herb. |
| Annonaceae | <i>Artabotrys oliganthus</i> Engl. & Diels | | Herb. | |
| Annonaceae | <i>Artabotrys</i> sp. | Herb. | | |
| Annonaceae | <i>Cleistopholis patens</i> (Benth.) Engl. & Diels | | Herb. | Herb. |
| Annonaceae | <i>Friesodielsia</i> sp. | Herb. | | |
| Annonaceae | <i>Greenwayodendron oliveri</i> (Engl.) Verdc. | Herb. | | |
| Annonaceae | <i>Monanthes taxis</i> sp. 1 | Herb. | | |
| Annonaceae | <i>Monanthes taxis</i> sp. 2 | Herb. | | |
| Annonaceae | <i>Monanthes taxis</i> sp. 3 | | Herb. | |
| Annonaceae | <i>Monocyclanthus vignei</i> Keay | | Herb. | |
| Annonaceae | <i>Monodora myristica</i> (Gaertn.) Dunal | | | Herb. |
| Annonaceae | <i>Neostenanthera gabonensis</i> (Engl. & Diels) Exell | | Herb. | |
| Annonaceae | <i>Piptostigma fasciculatum</i> (De Wild.) Boutique | Herb. | | Herb. |
| Annonaceae | <i>Piptostigma fugax</i> A.Chev. ex Hutch. & Dalziel | | Herb. | |
| Annonaceae | <i>Uvaria baumannii</i> Engl. & Diels | | | Herb. |
| Annonaceae | <i>Uvaria</i> sp. 1 | | Herb. | |
| Annonaceae | <i>Uvaria</i> sp. 2 | | | Herb. |
| Annonaceae | <i>Uvaria</i> sp. 3 | | | Herb. |
| Annonaceae | <i>Uvariastrum pierreanum</i> Engl. & Diels | Herb. | | Herb. |
| Annonaceae | <i>Uvariopsis</i> sp. | Herb. | | |
| Annonaceae | <i>Xylopiacutiflora</i> (Dunal) A.Rich. | Herb. | Herb. | |
| Annonaceae | <i>Xylopiacutiflora</i> Pellegr. | Herb. | | Herb. |
| Annonaceae | <i>Xylopiacutiflora</i> Chipp | Herb. | | |
| Apocynaceae | <i>Alstonia boonei</i> De Wildeman | | -X- | |
| Apocynaceae | <i>Ancylobotrys scandens</i> (Schumach. & Thonn.) Pichon | | | Herb. |
| Apocynaceae | <i>Baijia baillonii</i> Hua | Herb. | | |
| Apocynaceae | <i>Callichilia subsessilis</i> (Benth.) Stapf | Herb. | Herb. | |
| Apocynaceae | <i>Hunteria simii</i> (Stapf) H.Huber | Herb. | Herb. | Herb. |
| Apocynaceae | <i>Landolphia dulcis</i> (R.Br. ex Sabine) Pichon | | Herb. | |
| Apocynaceae | <i>Landolphia incerta</i> (K.Schum.) J.G.M.Pers. | | | Herb. |
| Apocynaceae | <i>Landolphia nitidula</i> J.G.M.Pers. | | | Herb. |
| Apocynaceae | <i>Landolphia owariensis</i> P.Beauv. | | | Herb. |
| Apocynaceae | <i>Oncinotis gracilis</i> Stapf | Herb. | | |
| Apocynaceae | <i>Orthopichonia</i> sp. | Herb. | | |
| Apocynaceae | <i>Pleiocarpa mutica</i> Benth. | | Herb. | |

continued

| Family | Species | North Lorma | Gola | Grebo |
|------------------|---|-------------|-------|-------|
| Apocynaceae | <i>Tabernaemontana psorocarpa</i> (Pierre ex Stapf) Pichon | | Herb. | |
| Araceae | <i>Amorphophallus</i> sp. | -X- | | |
| Araceae | <i>Anubias gigantea</i> A.Chev. ex Hutch. | Herb. | | |
| Araceae | <i>Anubias gracilis</i> A.Chev. ex Hutch. | Herb. | Herb. | |
| Araceae | <i>Cercestis afzelii</i> Schott | Herb. | | -X- |
| Araceae | <i>Cercestis dinklagei</i> Engl. | Herb. | | Herb. |
| Araceae | <i>Cercestis</i> sp. | Herb. | | |
| Araceae | <i>Culcasia angolensis</i> Welw. ex Schott | Herb. | | |
| Araceae | <i>Culcasia sapinii</i> De Wild. | Herb. | | Herb. |
| Araceae | <i>Culcasia scandens</i> P.Beauv. | Herb. | | Herb. |
| Araceae | <i>Rhaphidophora africana</i> N.E.Br. | Herb. | | |
| Asclepiadaceae | <i>Periploca nigrescens</i> Afzel. | | | Herb. |
| Asclepiadaceae | <i>Tylophora cuspidata</i> (K.Schum.) Meve & Omlor | | | Herb. |
| Aspleniaceae | <i>Asplenium africanum</i> Desv. | Herb. | Herb. | |
| Aspleniaceae | <i>Asplenium anisophyllum</i> Kunze | Herb. | | |
| Aspleniaceae | <i>Asplenium barteri</i> Hook. | Herb. | Herb. | |
| Aspleniaceae | <i>Asplenium formosum</i> Willd. | Herb. | | |
| Aspleniaceae | <i>Asplenium unilaterale</i> Lam. | Herb. | | |
| Aspleniaceae | <i>Asplenium variabile</i> Hook. | | Herb. | Herb. |
| Begoniaceae | <i>Begonia cavallyensis</i> A.Chev. | | Herb. | |
| Begoniaceae | <i>Begonia fusialata</i> Warb. var. <i>fusialata</i> | Herb. | | Herb. |
| Begoniaceae | <i>Begonia polygonoides</i> Hook.f. | Herb. | | |
| Begoniaceae | <i>Begonia quadrialata</i> Warb. subsp. <i>quadrialata</i> | Herb. | | |
| Bignoniaceae | <i>Newbouldia laevis</i> (P.Beauv.) Seeman ex Bureau | Herb. | | |
| Bombacaceae | <i>Ceiba pentandra</i> (L.) Gaertn. | -X- | | |
| Burmanniaceae | <i>Burmannia congesta</i> (Wright) Jonker | | Herb. | |
| Burmanniaceae | <i>Gymnosiphon longistylus</i> (Benth.) Hutch. | Herb. | Herb. | |
| Burseraceae | <i>Dacryodes klaineana</i> (Pierre) H.J.Lam | | Herb. | -X- |
| Capparaceae | <i>Euadenia eminens</i> Hook.f. | | | Herb. |
| Capparaceae | <i>Ritchiea capparoides</i> (Andr.) Britten | | Herb. | Herb. |
| Celastraceae | <i>Salacia lehmbachii</i> Loes. | | Herb. | |
| Celastraceae | <i>Salacia owabiensis</i> Hoyle | | | Herb. |
| Celastraceae | <i>Salacia</i> sp. | | Herb. | |
| Celastraceae | <i>Salacia staudtiana</i> Loes. | Herb. | | |
| Chrysobalanaceae | <i>Afrolicania elaeosperma</i> Mildbr. | Herb. | | |
| Chrysobalanaceae | <i>Dactyladenia hirsuta</i> (A.Chev. & De Wild.) Prance & F.White | | Herb. | |
| Chrysobalanaceae | <i>Dactyladenia whytei</i> (Stapf) Prance & White | | Herb. | |
| Chrysobalanaceae | <i>Magnistipula zenkeri</i> Engl. | | | Herb. |
| Chrysobalanaceae | <i>Maranthes aubrevillei</i> (Pellegri.) Prance | Herb. | | Herb. |
| Chrysobalanaceae | <i>Maranthes glabra</i> (Oliv.) Prance | Herb. | | |
| Chrysobalanaceae | <i>Parinari excelsa</i> Sabine | Herb. | | Herb. |
| Combretaceae | <i>Combretum aphanopetalum</i> Engl. & Diels | | | Herb. |
| Combretaceae | <i>Combretum comosum</i> G.Don | | | Herb. |

continued

| Family | Species | North Lorma | Gola | Grebo |
|----------------|--|-------------|-------|-------|
| Combretaceae | <i>Combretum oyemense</i> Exell | Herb. | | |
| Combretaceae | <i>Strephonema pseudocola</i> A.Chev. | Herb. | Herb. | Herb. |
| Combretaceae | <i>Terminalia ivorensis</i> A.Chevalier | -X- | | |
| Combretaceae | <i>Terminalia superba</i> Engler & Diels | | | -X- |
| Commelinaceae | <i>Buforrestia obovata</i> Brenan | Herb. | | |
| Commelinaceae | <i>Commelina capitata</i> Benth. | Herb. | Herb. | Herb. |
| Commelinaceae | <i>Floscopa africana</i> (P.Beauv.) C.B.Clarke | | Herb. | Herb. |
| Commelinaceae | <i>Palisota bracteosa</i> C.B.Clarke | Herb. | | Herb. |
| Commelinaceae | <i>Pollia condensata</i> C.B.Clarke | Herb. | | Herb. |
| Commelinaceae | <i>Polyspatha paniculata</i> Benth. | Herb. | | |
| Commelinaceae | <i>Stanfieldiella imperforata</i> (C.B.Clarke) Brenan | Herb. | | |
| Compositae | <i>Adenostemma perrottetii</i> DC. | | Herb. | |
| Compositae | <i>Chromolaena odorata</i> (L.) R.M.King & H.Rob. | Herb. | | |
| Compositae | <i>Vernonia titanophylla</i> Brenan | -X- | | |
| Connaraceae | <i>Agelaea paradoxa</i> Gilg var. <i>microcarpa</i> Jongkind | -X- | | Herb. |
| Connaraceae | <i>Agelaea pentagyna</i> (Lam.) Baill. | -X- | Herb. | Herb. |
| Connaraceae | <i>Cnestis bomiensis</i> Lemmens | | Herb. | |
| Connaraceae | <i>Connarus africanus</i> Lam. | Herb. | | |
| Connaraceae | <i>Manotes expansa</i> Sol. ex Planchon | | -X- | |
| Connaraceae | <i>Manotes macrantha</i> (Gilg) Schellenb. | | Herb. | |
| Connaraceae | <i>Rourea minor</i> (Gaertn.) Alston | | Herb. | Herb. |
| Connaraceae | <i>Rourea solanderi</i> Baker | | Herb. | Herb. |
| Connaraceae | <i>Rourea thomsonii</i> (Baker) Jongkind | | | Herb. |
| Convolvulaceae | <i>Bonamia thunbergiana</i> (Roem. & Schult.) F.N.Williams | | | Herb. |
| Convolvulaceae | <i>Calycobolus africanus</i> (G.Don) Heine | Herb. | | |
| Convolvulaceae | <i>Calycobolus heudelotii</i> (Baker ex Oliv.) Heine | Herb. | | |
| Convolvulaceae | <i>Ipomoea aitonii</i> Lindl. | Herb. | | |
| Convolvulaceae | <i>Ipomoea obscura</i> (L.) Ker Gawl. | Herb. | | |
| Convolvulaceae | <i>Neuropeltis acuminata</i> (P.Beauv.) Benth. | | | Herb. |
| Convolvulaceae | <i>Stictocardia beraviensis</i> (Vatke) Hallier f. | Herb. | | |
| Costaceae | <i>Costus deistelii</i> K.Schum. | Herb. | | |
| Costaceae | <i>Costus</i> sp. | -X- | -X- | |
| Cucurbitaceae | <i>Momordica charantia</i> L. | Herb. | | |
| Cucurbitaceae | <i>Momordica foetida</i> Schumach. | | | Herb. |
| Cyatheaaceae | <i>Cyathea camerooniana</i> Hook. | Herb. | | |
| Cyperaceae | <i>Hypolytrum heteromorphum</i> Nelmes | Herb. | | |
| Cyperaceae | <i>Hypolytrum purpurascens</i> Cherm. | Herb. | | |
| Cyperaceae | <i>Hypolytrum</i> sp. 1 | Herb. | | |
| Cyperaceae | <i>Hypolytrum</i> sp. 2 | | | Herb. |
| Cyperaceae | <i>Mapania ivorensis</i> (Raynal) Raynal | | Herb. | |
| Cyperaceae | <i>Mapania linderi</i> Hutch. ex Nelmes | Herb. | Herb. | |
| Cyperaceae | <i>Scleria boivinii</i> Steud. | | -X- | |
| Cyperaceae | <i>Scleria naumanniana</i> Boeckeler | | Herb. | |

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| Family | Species | North Lorma | Gola | Grebo |
|------------------|---|-------------|-------|-------|
| Dennstaedtiaceae | <i>Microlepia speluncae</i> (L.) Moore | | | Herb. |
| Dichapetalaceae | <i>Dichapetalum angolense</i> Chodat | | | Herb. |
| Dichapetalaceae | <i>Dichapetalum heudelotii</i> (Planch. ex Oliv.) Baill. | | Herb. | |
| Dichapetalaceae | <i>Dichapetalum</i> sp. | | | Herb. |
| Dichapetalaceae | <i>Dichapetalum toxicarium</i> (G.Don) Baill. | | | Herb. |
| Dilleniaceae | <i>Tetracera alnifolia</i> Willd. | | -X- | -X- |
| Dioncophyllaceae | <i>Triplophyllum peltatum</i> (Hutch. & Dalziel) Airy Shaw | | Herb. | Herb. |
| Dioscoreaceae | <i>Dioscorea</i> sp. | Herb. | | |
| Dracaenaceae | <i>Dracaena aubryana</i> Brongn. ex C.J.Morren | Herb. | -X- | Herb. |
| Dracaenaceae | <i>Dracaena camerooniana</i> Baker | | | Herb. |
| Dracaenaceae | <i>Dracaena cristula</i> W.Bull | | | Herb. |
| Dracaenaceae | <i>Dracaena ovata</i> Ker Gawl. | | Herb. | |
| Dracaenaceae | <i>Dracaena surculosa</i> Lindl. var. <i>maculata</i> Hook.f. | | | Herb. |
| Dracaenaceae | <i>Sansevieria liberica</i> Gér. & Labr. | -X- | | |
| Dryopteridaceae | <i>Callipteris prolifera</i> (Lam.) Bory | | | Herb. |
| Dryopteridaceae | <i>Tectaria</i> sp. | Herb. | | |
| Dryopteridaceae | <i>Triplophyllum buchholzii</i> (Kuhn) Holttum | | Herb. | |
| Dryopteridaceae | <i>Triplophyllum</i> sp. 1 | Herb. | | |
| Dryopteridaceae | <i>Triplophyllum</i> sp. 2 | | Herb. | |
| Dryopteridaceae | <i>Triplophyllum</i> sp. 3 | | Herb. | |
| Ebenaceae | <i>Diospyros chevalieri</i> De Wild. | | Herb. | Herb. |
| Ebenaceae | <i>Diospyros ferrea</i> (Willd.) Bakh. | | Herb. | |
| Ebenaceae | <i>Diospyros gabunensis</i> Gürke | | Herb. | |
| Ebenaceae | <i>Diospyros heudelotii</i> Hiern | Herb. | | |
| Ebenaceae | <i>Diospyros mannii</i> Hiern | Herb. | Herb. | Herb. |
| Ebenaceae | <i>Diospyros sanza-minika</i> A.Chev. | | | Herb. |
| Ebenaceae | <i>Diospyros soubreana</i> F.White | | | Herb. |
| Ebenaceae | <i>Diospyros</i> sp. | Herb. | | |
| Erythroxylaceae | <i>Erythroxylum mannii</i> Oliv. | | | Herb. |
| Euphorbiaceae | <i>Alchornea cordifolia</i> (Schum. & Thonning) Muell.Arg. | | -X- | -X- |
| Euphorbiaceae | <i>Antidesma</i> sp. | | | Herb. |
| Euphorbiaceae | <i>Crotonogyne caterviflora</i> N.E.Br. | | Herb. | |
| Euphorbiaceae | <i>Discoglypemma caloneura</i> (Pax) Prain | | | Herb. |
| Euphorbiaceae | <i>Macaranga heterophylla</i> (Muell.Arg.) Muell.Arg. | -X- | -X- | |
| Euphorbiaceae | <i>Macaranga hurifolia</i> Beille | | | -X- |
| Euphorbiaceae | <i>Maesobotrya barteri</i> (Baillon) Hutch. | -X- | | |
| Euphorbiaceae | <i>Manniophyton fulvum</i> Müll.Arg. | -X- | -X- | -X- |
| Euphorbiaceae | <i>Mareya micrantha</i> (Benth.) Müll.Arg. | | Herb. | |
| Euphorbiaceae | <i>Phyllanthus kerstingii</i> Brunel | Herb. | | |
| Euphorbiaceae | <i>Phyllanthus profusus</i> N.E.Br. | Herb. | | |
| Euphorbiaceae | <i>Plesiatropha paniculata</i> (Pax) Breteler | Herb. | | |
| Euphorbiaceae | <i>Spondianthus preussii</i> Engler | | | -X- |
| Euphorbiaceae | <i>Tragia spathulata</i> Benth. | Herb. | | |

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| Family | Species | North Lorma | Gola | Grebo |
|-------------------|---|-------------|-------|-------|
| Euphorbiaceae | <i>Uapaca paludosa</i> Aubrév. & Léandri | | | Herb. |
| Flacourtiaceae | <i>Oncoba brevipes</i> Stapf | | -X- | |
| Flacourtiaceae | <i>Oncoba echinata</i> Oliv. | Herb. | | |
| Gentianaceae | <i>Anthocleista nobilis</i> G.Don | | -X- | |
| Gentianaceae | <i>Voyria primuloides</i> Baker | | Herb. | |
| Gleicheniaceae | <i>Dicranopteris linearis</i> (Burm.) Underwood | | -X- | -X- |
| Gramineae | <i>Acroceras gabunense</i> (Hack.) Clayton | Herb. | | |
| Gramineae | <i>Centotheca lappacea</i> (L.) Desv. | Herb. | Herb. | |
| Gramineae | <i>Guaduella oblonga</i> Hutch. ex W.D.Clayton | Herb. | Herb. | |
| Gramineae | <i>Leptaspis zeylanica</i> Nees ex Steud. | Herb. | | |
| Gramineae | <i>Olyra latifolia</i> L. | Herb. | | |
| Gramineae | <i>Oplismenus hirtellus</i> (L.) P.Beauv. | Herb. | | |
| Gramineae | <i>Panicum laxum</i> Sw. | | Herb. | |
| Gramineae | <i>Pseudechinolaena polystachya</i> (Kunth) Stapf | Herb. | | |
| Gramineae | <i>Setaria megaphylla</i> (Steud.) Dur. & Schinz | Herb. | | |
| Gramineae | <i>Streptogyna crinita</i> P.Beauv. | Herb. | | Herb. |
| Grammitidaceae | <i>Cochlidium serrulatum</i> (Swartz) L.E. Bishop | | Herb. | |
| Guttiferae | <i>Garcinia epunctata</i> Stapf | | | Herb. |
| Guttiferae | <i>Harungana madagascariensis</i> Lamarck ex Poiret | | -X- | -X- |
| Guttiferae | <i>Mammea africana</i> Sabine | | | -X- |
| Guttiferae | <i>Pentadesma butyracea</i> Sabine | -X- | -X- | -X- |
| Humiriaceae | <i>Sacoglottis gabonensis</i> (Baill.) Urb. | | Herb. | Herb. |
| Hymenophyllaceae | <i>Hymenophyllum hirsutum</i> (L.) Sw. | | Herb. | |
| Hymenophyllaceae | <i>Trichomanes chamaedrys</i> Taton | | Herb. | |
| Hymenophyllaceae | <i>Trichomanes fallax</i> Christ | Herb. | | |
| Hymenophyllaceae | <i>Trichomanes guineense</i> Afzel. ex Sw. | | Herb. | |
| Icacinaceae | <i>Desmostachys vogelii</i> (Miers) Stapf | | Herb. | |
| Icacinaceae | <i>Iodes liberica</i> Stapf | | | Herb. |
| Icacinaceae | <i>Pyrenacantha acuminata</i> Engl. | Herb. | | |
| Icacinaceae | <i>Pyrenacantha glabrescens</i> (Engl.) Engl. | | | Herb. |
| Icacinaceae | <i>Pyrenacantha klaineana</i> Pierre ex Exell & Mendonça | | Herb. | |
| Icacinaceae | <i>Rhaphiostylis cordifolia</i> Hutch. & Dalziel | | Herb. | |
| Icacinaceae | <i>Rhaphiostylis</i> sp. nov. | | Herb. | Herb. |
| Irvingiaceae | <i>Irvingia gabonensis</i> (Aubry-Lecomte) Baillon | | | -X- |
| Labiatae | <i>Achyropermum oblongifolium</i> Baker | Herb. | | Herb. |
| Labiatae | <i>Plectranthus epilithicus</i> B.J.Pollard | Herb. | | |
| Labiatae | <i>Plectranthus</i> sp. | Herb. | | |
| Lecythidaceae | <i>Napoleonaea vogelii</i> Hook. & Planch. | | | Herb. |
| Lecythidaceae | <i>Petersianthus macrocarpus</i> (P.Beauv.) Liben | -X- | | |
| Leguminosae-Caes. | <i>Afzelia</i> sp. | | -X- | |
| Leguminosae-Caes. | <i>Anthonotha crassifolia</i> (Baill.) J.Léonard | Herb. | | |
| Leguminosae-Caes. | <i>Anthonotha fragrans</i> (Baker f.) Exell & Hillcoat | Herb. | Herb. | |
| Leguminosae-Caes. | <i>Bussea occidentalis</i> Hutch. ex Chipp. | Herb. | | |

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| Family | Species | North Lorma | Gola | Grebo |
|-------------------|--|-------------|-------|-------|
| Leguminosae-Caes. | <i>Copaifera salikounda</i> Heckel | Herb. | -X- | Herb. |
| Leguminosae-Caes. | <i>Cryptosepalum tetraphyllum</i> Benth. | Herb. | | |
| Leguminosae-Caes. | <i>Daniella thurifera</i> Bennett | -X- | | |
| Leguminosae-Caes. | <i>Dialium aubrevillei</i> Pellegr. | Herb. | Herb. | Herb. |
| Leguminosae-Caes. | <i>Distemonanthus benthamianus</i> Baillon | -X- | | |
| Leguminosae-Caes. | <i>Erythrophleum ivorense</i> A.Chev. | | | Herb. |
| Leguminosae-Caes. | <i>Gilbertiodendron aylmeri</i> (Hutch. & Dalziel) J.Léonard | | Herb. | |
| Leguminosae-Caes. | <i>Gilbertiodendron preussii</i> (Harms) J.Léonard | -X- | Herb. | Herb. |
| Leguminosae-Caes. | <i>Griffonia simplicifolia</i> (Vahl ex DC.) Baillon | | | -X- |
| Leguminosae-Caes. | <i>Guibourtia leonensis</i> J.Léonard | Herb. | | |
| Leguminosae-Caes. | <i>Paramacrolobium coeruleum</i> (Taub.) J.Léonard | Herb. | | |
| Leguminosae-Caes. | <i>Plagiosiphon emarginatus</i> (Hutch. & Dalziel) J. Léonard | Herb. | Herb. | |
| Leguminosae-Caes. | <i>Senna podocarpa</i> (Guill. & Perr.) Lock | Herb. | | |
| Leguminosae-Caes. | <i>Senna tora</i> (L.) Roxb. | Herb. | | |
| Leguminosae-Caes. | <i>Stachyothyrsus stapfiana</i> (A.Chev.) J.Léonard & Voorhoeve | | Herb. | |
| Leguminosae-Caes. | <i>Tessmannia baikiaeoides</i> Hutch. & Dalziel | Herb. | | |
| Leguminosae-Mim. | <i>Calpocalyx brevibracteatus</i> Harms | | Herb. | |
| Leguminosae-Mim. | <i>Newtonia duparquetiana</i> (Baill.) Keay | Herb. | | |
| Leguminosae-Mim. | <i>Newtonia</i> sp. | | | Herb. |
| Leguminosae-Mim. | <i>Parkia bicolor</i> A.Chev. | Herb. | -X- | |
| Leguminosae-Mim. | <i>Pentaclethra macrophylla</i> Bentham | -X- | | -X- |
| Leguminosae-Mim. | <i>Piptadeniastrum africanum</i> (Hooker f.) Brenan | | | -X- |
| Leguminosae-Mim. | <i>Xylia evansii</i> Hutch. | Herb. | | |
| Leguminosae-Pap. | <i>Abrus fruticosus</i> Wall. ex W. & A. | Herb. | | |
| Leguminosae-Pap. | <i>Amphimas pterocarpoides</i> Harms | | | Herb. |
| Leguminosae-Pap. | <i>Baphia capparidifolia</i> Baker subsp. <i>polygalacea</i> Brummitt | Herb. | | |
| Leguminosae-Pap. | <i>Baphia nitida</i> Lodd. | | | Herb. |
| Leguminosae-Pap. | <i>Dalbergia adamii</i> Berhaut | Herb. | | |
| Leguminosae-Pap. | <i>Dalbergia afzeliana</i> G.Don | | | Herb. |
| Leguminosae-Pap. | <i>Dalbergia heudelotii</i> Stapf | Herb. | | |
| Leguminosae-Pap. | <i>Dalbergia oblongifolia</i> G.Don | Herb. | | Herb. |
| Leguminosae-Pap. | <i>Dalbergia</i> sp. | | Herb. | |
| Leguminosae-Pap. | <i>Leptoderris sassandrensis</i> Jongkind | | | Herb. |
| Leguminosae-Pap. | <i>Leptoderris</i> sp. nov. | | | Herb. |
| Leguminosae-Pap. | <i>Millettia chrysophylla</i> Dunn | Herb. | | Herb. |
| Leguminosae-Pap. | <i>Millettia lane-polei</i> Dunn | Herb. | | |
| Leguminosae-Pap. | <i>Millettia liberica</i> Jongkind | | | Herb. |
| Leguminosae-Pap. | <i>Millettia lucens</i> (Scott-Elliot) Dunn | Herb. | | |
| Leguminosae-Pap. | <i>Millettia</i> sp. | Herb. | | |
| Leguminosae-Pap. | <i>Millettia warneckei</i> Harms var. <i>porphyrocalyx</i> (Dunn) Hepper | Herb. | | |
| Leguminosae-Pap. | <i>Platysepalum hirsutum</i> (Dunn) Hepper | | | Herb. |
| Leguminosae-Pap. | <i>Vigna gracilis</i> (Guill. & Perr.) Hook.f. | Herb. | | Herb. |
| Liliaceae | <i>Asparagus drepanophyllus</i> Welw. | Herb. | | |

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| Family | Species | North Lorma | Gola | Grebo |
|------------------|--|-------------|-------|-------|
| Liliaceae | <i>Chlorophytum alismaefolium</i> Baker | Herb. | | |
| Liliaceae | <i>Chlorophytum comosum</i> (Thunb.) Jacq. var. <i>sparsiflorum</i> (Baker) A.D.Poulsen & Nordal | Herb. | Herb. | |
| Linaceae | <i>Hugonia</i> sp. | -X- | | |
| Linaceae | <i>Ochthocosmus africanus</i> Hook.f. | Herb. | | |
| Loganiaceae | <i>Strychnos aculeata</i> Solereder | | -X- | |
| Loganiaceae | <i>Strychnos afzelii</i> Gilg | Herb. | | Herb. |
| Loganiaceae | <i>Strychnos barteri</i> Soler. | | | Herb. |
| Loganiaceae | <i>Strychnos camptoneura</i> Gilg & Busse | | Herb. | |
| Loganiaceae | <i>Strychnos densiflora</i> Baill. | | Herb. | |
| Loganiaceae | <i>Strychnos icaja</i> Baill. | Herb. | | Herb. |
| Loganiaceae | <i>Strychnos splendens</i> Gilg | Herb. | | |
| Loganiaceae | <i>Strychnos usambarensis</i> Gilg | | Herb. | |
| Lomariopsidaceae | <i>Bolbitis acrostichoides</i> (Afzel. ex Sw.) Ching | Herb. | | |
| Lomariopsidaceae | <i>Bolbitis salicina</i> (Hook.) Ching | Herb. | Herb. | |
| Lomariopsidaceae | <i>Bolbitis</i> sp. | | Herb. | |
| Lomariopsidaceae | <i>Elaphoglossum</i> sp. 1 | | Herb. | |
| Lomariopsidaceae | <i>Elaphoglossum</i> sp. 2 | | Herb. | |
| Lomariopsidaceae | <i>Lomariopsis guineensis</i> (Underw.) Alston | | Herb. | Herb. |
| Lomariopsidaceae | <i>Lomariopsis palustris</i> (Hook.) Mett. ex Kuhn | Herb. | | Herb. |
| Loxogrammataceae | <i>Loxogramme abyssinica</i> (Baker) M.G.Price | Herb. | | |
| Lycopodiaceae | <i>Lycopodiella cernua</i> (L.) Pichi Sermolli | | | Photo |
| Malpighiaceae | <i>Acridocarpus longifolius</i> (G.Don) Hook.f. | | | Herb. |
| Malpighiaceae | <i>Acridocarpus plagiopterus</i> Guill. & Perr. | | | Herb. |
| Malpighiaceae | <i>Flabellaria paniculata</i> Cav. | Herb. | | |
| Malvaceae | <i>Wissadula amplissima</i> (L.) R.E.Fr. var. <i>rostrata</i> (Schumach. & Thonn.) R.E.Fr. | Herb. | | |
| Marantaceae | <i>Halopogon azurea</i> (K.Schum.) K.Schum. | Herb. | Herb. | |
| Marantaceae | <i>Marantochloa cuspidata</i> (Rosc.) Milne-Redh. | Herb. | | |
| Marantaceae | <i>Marantochloa filipes</i> (Benth.) Hutch. | Herb. | | |
| Marantaceae | <i>Marantochloa leucantha</i> (K.Schum.) Milne-Redh. | | | Herb. |
| Marantaceae | <i>Sarcophrynium brachystachyum</i> (Benth.) K.Schum. | | Herb. | Herb. |
| Marattiaceae | <i>Marattia fraxinea</i> J.Sm. | | Herb. | |
| Medusandraceae | <i>Soyauxia floribunda</i> Hutch. | Herb. | | |
| Melastomataceae | <i>Calvoa monticola</i> A.Chev. ex Hutch. & Dalziel | Herb. | | |
| Melastomataceae | <i>Dicellandra barteri</i> Hook.f. | | Herb. | |
| Melastomataceae | <i>Dichaetanthera africana</i> (Hook.f.) Jacq.-Fél. | | | Herb. |
| Melastomataceae | <i>Guyonia ciliata</i> Hook.f. | | Herb. | |
| Melastomataceae | <i>Melastomastrum theifolium</i> (G.Don) A.Fern. & R.Fern. | Herb. | | |
| Melastomataceae | <i>Memecylon lateriflorum</i> (G.Don) Bremek. | | Herb. | |
| Melastomataceae | <i>Memecylon</i> sp. | Herb. | | |
| Melastomataceae | <i>Ochthocharis dicellandroides</i> (Gilg) C.Hansen & Wickens | | | Herb. |
| Melastomataceae | <i>Tristemma akeassii</i> Jacq.-Fél. | | | Herb. |
| Melastomataceae | <i>Tristemma coronatum</i> Benth. | Herb. | Herb. | |

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| Family | Species | North Lorma | Gola | Grebo |
|-----------------|--|-------------|-------|-------|
| Melastomataceae | <i>Warneckea cinnamomoides</i> (G.Don) Jacq.-Fél. | | Herb. | |
| Melastomataceae | <i>Warneckea golaensis</i> (Baker f.) Jacq.-Fél. | Herb. | | |
| Melastomataceae | <i>Warneckea memecyloides</i> (Benth.) Jacq.-Fél. | | | Herb. |
| Melastomataceae | <i>Warneckea</i> sp. | | Herb. | |
| Meliaceae | <i>Carapa procera</i> DC. | Herb. | | |
| Meliaceae | <i>Entandrophragma angolensis</i> (Welwitsch) DC. | -X- | | |
| Meliaceae | <i>Entandrophragma utile</i> (Dawe & Sprague) Sprague | -X- | | |
| Meliaceae | <i>Khaya</i> sp. | | | -X- |
| Menispermaceae | <i>Albertisia ferruginea</i> (Diels) Forman | | Herb. | |
| Menispermaceae | <i>Kolobopetalum leonense</i> Hutch. & Dalziel | | Herb. | |
| Menispermaceae | <i>Penianthus patulinervis</i> Hutch. & Dalziel | Herb. | | |
| Menispermaceae | <i>Tiliacora leonensis</i> (Scott-Elliot) Diels | | | Herb. |
| Moraceae | <i>Antiaris toxicaria</i> (Rumph. ex Pers.) Leschen. | | | -X- |
| Moraceae | <i>Ficus barteri</i> Sprague | | | Herb. |
| Moraceae | <i>Ficus elasticoides</i> De Wild. | | | Herb. |
| Moraceae | <i>Ficus leonensis</i> Hutch. | | Herb. | |
| Moraceae | <i>Ficus lingua</i> Warb. ex De Wild. & T.Durand subsp. <i>lingua</i> | | | Herb. |
| Moraceae | <i>Ficus natalensis</i> Hochst. subsp. <i>leprieurii</i> (Miq.) C.C.Berg | Herb. | | |
| Moraceae | <i>Ficus pachyneura</i> C.C.Berg | | Herb. | |
| Moraceae | <i>Ficus sansibarica</i> Warb. | Herb. | | |
| Moraceae | <i>Ficus saussureana</i> DC. | | Herb. | |
| Moraceae | <i>Ficus umbellata</i> Vahl | | | Herb. |
| Moraceae | <i>Ficus vogeliana</i> (Miq.) Miq. | | | Herb. |
| Moraceae | <i>Milicia regia</i> (A.Chev.) C.C.Berg | | Herb. | |
| Moraceae | <i>Musanga cecropioides</i> F.Br. | -X- | -X- | -X- |
| Moraceae | <i>Myrianthus libericus</i> Rendle | Herb. | | |
| Moraceae | <i>Streblus usambarensis</i> (Engl.) C.C.Berg | Herb. | | |
| Moraceae | <i>Treulia africana</i> Decne. | Herb. | | Herb. |
| Moraceae | <i>Trilepisium madagascariense</i> Thouars ex DC. | Herb. | | |
| Myristicaceae | <i>Pycnanthus angolensis</i> (Welwitsch) Warb. | -X- | | -X- |
| Ochnaceae | <i>Campylopermum amplexans</i> (Stapf) Farron | | Herb. | |
| Ochnaceae | <i>Campylopermum congestum</i> (Oliv.) Farron | Herb. | | |
| Ochnaceae | <i>Campylopermum duparquetianum</i> (Baill.) Tiegh. | | | Herb. |
| Ochnaceae | <i>Campylopermum glaberrimum</i> (P.Beauv.) Farron | | Herb. | |
| Ochnaceae | <i>Campylopermum schoenleinianum</i> (Klotzsch) Farron | Herb. | Herb. | Herb. |
| Ochnaceae | <i>Campylopermum subcordatum</i> (Stapf) Farron | Herb. | Herb. | |
| Ochnaceae | <i>Lophira alata</i> Banks ex Gaertn. | | -X- | -X- |
| Ochnaceae | <i>Ochna membranacea</i> Oliv. | Herb. | | |
| Ochnaceae | <i>Rhabdophyllum calophyllum</i> (Hook.f.) Tiegh. | Herb. | | |
| Olacaceae | <i>Coula edulis</i> Baill. | | | Herb. |
| Olacaceae | <i>Heisteria parvifolia</i> Sm. | | -X- | Herb. |
| Olacaceae | <i>Olax gambecola</i> Baill. | Herb. | | |
| Olacaceae | <i>Ptychopetalum anceps</i> Oliv. | | Herb. | Herb. |

continued

| Family | Species | North Lorma | Gola | Grebo |
|----------------|--|-------------|-------|-------|
| Oleaceae | <i>Strombosia pustulata</i> Oliv. | | Herb. | Herb. |
| Oleaceae | <i>Jasminum pauciflorum</i> Benth. | Herb. | | |
| Oleandraceae | <i>Arthropteris palisotii</i> (Desv.) Alston | | | Herb. |
| Oleandraceae | <i>Nephrolepis biserrata</i> (Sw.) Schott | Herb. | | |
| Orchidaceae | <i>Angraecum birrimense</i> Rolfe | Herb. | | |
| Orchidaceae | <i>Angraecum distichum</i> Lindl. | | Herb. | |
| Orchidaceae | <i>Angraecum podochiloides</i> Schltr. | | Herb. | |
| Orchidaceae | <i>Angraecum subulatum</i> Lindl. | Herb. | | |
| Orchidaceae | <i>Bulbophyllum magnibracteatum</i> Summerh. | | Herb. | |
| Orchidaceae | <i>Bulbophyllum oreonastes</i> Rchb.f. | | Herb. | |
| Orchidaceae | <i>Calyptrochilum christyanum</i> (Rchb.f.) Summerh. | | | Herb. |
| Orchidaceae | <i>Chamaeangis odoratissima</i> (Rchb.f.) Schltr. | | | Herb. |
| Orchidaceae | <i>Habenaria macrandra</i> Lindl. | Herb. | | |
| Orchidaceae | <i>Nervilia</i> sp. | Photo | | |
| Orchidaceae | <i>Oeceoclades maculata</i> (Lindley) Lindley | Photo | | |
| Orchidaceae | <i>Polystachya</i> Hook. | | | Herb. |
| Orchidaceae | <i>Polystachya polychaete</i> Kraenzl. | | Herb. | |
| Orchidaceae | <i>Tridactyle bicaudata</i> (Lindl.) Schltr. | | Herb. | |
| Orchidaceae | <i>Vanilla africana</i> Lindl. | Herb. | | |
| Palmae | <i>Eremospatha</i> sp. | | -X- | |
| Palmae | <i>Laccosperma</i> sp. | | -X- | |
| Palmae | <i>Raphia hookeri</i> Mann & Wendl. | | | -X- |
| Palmae | <i>Raphia palma-pinus</i> (Gaertn.) Hutch. | -X- | | |
| Pandaceae | <i>Microdesmis keayana</i> J.Léonard | Herb. | | -X- |
| Pandaceae | <i>Panda oleosa</i> Pierre | | | Herb. |
| Passifloraceae | <i>Adenia cissampeloides</i> (Planch. ex Benth.) Harms | | | Herb. |
| Passifloraceae | <i>Adenia lobata</i> (Jacq.) Engler | | | -X- |
| Passifloraceae | <i>Adenia mannii</i> (Mast.) Engl. | | | Herb. |
| Passifloraceae | <i>Androsiphonia adenostegia</i> Stapf | | Herb. | |
| Passifloraceae | <i>Crossostemma laurifolium</i> Planch. ex Benth. | Herb. | | |
| Passifloraceae | <i>Smeathmannia pubescens</i> Sol. ex R.Br. | Herb. | | |
| Piperaceae | <i>Peperomia rotundifolia</i> (L.) H.B.& K. | Herb. | | |
| Piperaceae | <i>Piper guineense</i> Schum. & Thonning | -X- | -X- | -X- |
| Piperaceae | <i>Piper umbellatum</i> L. | | | -X- |
| Polygalaceae | <i>Carpolobia alba</i> G.Don | Herb. | | |
| Polygonaceae | <i>Afrobrunnichia erecta</i> (Asch.) Hutch. & Dalziel | -X- | | Herb. |
| Polypodiaceae | <i>Drynaria laurentii</i> (Christ) Hieronymus | | | -X- |
| Polypodiaceae | <i>Microgramma lycopodioides</i> (L.) Copel. | | | Herb. |
| Polypodiaceae | <i>Microsorium punctatum</i> (L.) Copeland | -X- | | -X- |
| Polypodiaceae | <i>Phymatosorus scolopendria</i> (Burm.f.) Pic.Serm. | | | Herb. |
| Polypodiaceae | <i>Platyterium stemaria</i> (P.Beauv.) Desvaux | -X- | | Photo |
| Pteridaceae | <i>Pityrogramma calomelanos</i> (L.) Link | | | -X- |
| Pteridaceae | <i>Pteris burtonii</i> Baker | | Herb. | |

continued

| Family | Species | North Lorma | Gola | Grebo |
|----------------|--|-------------|-------|-------|
| Putranjivaceae | <i>Drypetes gilgiana</i> (Pax) Pax & K.Hoffm. | Herb. | Herb. | |
| Putranjivaceae | <i>Drypetes inaequalis</i> Hutch. | Herb. | | |
| Putranjivaceae | <i>Drypetes</i> sp. nov. | | | Herb. |
| Rapateaceae | <i>Maschalocephalus dinklagei</i> Gilg & K.Schum. | | Herb. | |
| Rhamnaceae | <i>Lasiodiscus fasciculiflorus</i> Engl. | Herb. | Herb. | |
| Rhamnaceae | <i>Lasiodiscus mannii</i> Hook.f. | | Herb. | |
| Rhamnaceae | <i>Ventilago africana</i> Exell | | | Herb. |
| Rhizophoraceae | <i>Cassipourea nialatou</i> Aubrév. & Pellegr. | | | Herb. |
| Rubiaceae | <i>Argocoffeopsis afzelii</i> (Hiern) Robbr. | Herb. | | |
| Rubiaceae | <i>Argostemma pumilum</i> Benn. | | Herb. | |
| Rubiaceae | <i>Bertiera bracteolata</i> Hiern | | | Herb. |
| Rubiaceae | <i>Bertiera breviflora</i> Hiern. | Herb. | | |
| Rubiaceae | <i>Bertiera racemosa</i> (G.Don) K.Schum. | | | Herb. |
| Rubiaceae | <i>Bertiera spicata</i> (C.F.Gaertn.) K.Schum. | | Herb. | |
| Rubiaceae | <i>Cephaelis micheliae</i> J.-G.Adam | | Herb. | |
| Rubiaceae | <i>Chassalia afzelii</i> (Hiern) K.Schum. | | | Herb. |
| Rubiaceae | <i>Chassalia corallifera</i> (A.Chev. ex De Wild.) Hepper | | Herb. | |
| Rubiaceae | <i>Chassalia</i> sp. nov. | | Herb. | |
| Rubiaceae | <i>Corynanthe pachyceras</i> K.Schum. | | | Herb. |
| Rubiaceae | <i>Craterispermum caudatum</i> Hutch. | | | Herb. |
| Rubiaceae | <i>Cremaspora triflora</i> (Thonn.) K.Schum. | | | Herb. |
| Rubiaceae | <i>Gaertnera longevaginalis</i> (Hiern) E.M.A.Petit | Herb. | | |
| Rubiaceae | <i>Gaertnera</i> sp. | | Herb. | |
| Rubiaceae | <i>Gardenia nitida</i> Hook. | Herb. | | |
| Rubiaceae | <i>Geophila afzelii</i> Hiern | Herb. | | Herb. |
| Rubiaceae | <i>Geophila obvallata</i> (Schumach.) F.Didr. | Herb. | | |
| Rubiaceae | <i>Heinsia crinita</i> (Afzel.) G.Taylor | -X- | Herb. | -X- |
| Rubiaceae | <i>Hutchinsonia barbata</i> Robyns | | Herb. | |
| Rubiaceae | <i>Hymenocoleus neurodictyon</i> (K.Schum.) Robbr. | Herb. | | |
| Rubiaceae | <i>Hymenocoleus</i> sp. 1 | | Herb. | |
| Rubiaceae | <i>Hymenocoleus</i> sp. 2 | | Herb. | |
| Rubiaceae | <i>Ixora aggregata</i> Hutch. | | | Herb. |
| Rubiaceae | <i>Ixora nimbana</i> Schnell | Herb. | | |
| Rubiaceae | <i>Keetia bridsoniae</i> Jongkind | Herb. | | |
| Rubiaceae | <i>Keetia leucantha</i> (Krause) Bridson | | | Herb. |
| Rubiaceae | <i>Keetia obovata</i> Jongkind | | Herb. | |
| Rubiaceae | <i>Keetia rufivillosa</i> (Robyns ex Hutch. & Dalziel) Bridson | Herb. | | Herb. |
| Rubiaceae | <i>Keetia</i> sp. | | Herb. | |
| Rubiaceae | <i>Lasianthus batangensis</i> K.Schum. | Herb. | Herb. | |
| Rubiaceae | <i>Lasianthus repens</i> Hepper | Herb. | | |
| Rubiaceae | <i>Massularia acuminata</i> (G.Don) Bullock ex Hoyle | Herb. | | |
| Rubiaceae | <i>Mussaenda chippii</i> Wernham | | Herb. | |
| Rubiaceae | <i>Mussaenda grandiflora</i> Benth. | | | Herb. |

continued

| Family | Species | North Lorma | Gola | Grebo |
|-------------|--|-------------|-------|-------|
| Rubiaceae | <i>Nauclea diderrichii</i> (De Wild. & Th.Dur.) Merrill | -X- | | -X- |
| Rubiaceae | <i>Nauclea vanderguchtii</i> (De Wild.) Petit | | Herb. | |
| Rubiaceae | <i>Nichallea soyauxii</i> (Hiern) Bridson | | | Herb. |
| Rubiaceae | <i>Oxyanthus formosus</i> Hook.f. ex Planch. | Herb. | | |
| Rubiaceae | <i>Parapentas setigera</i> (Hiern) Verdc. | Herb. | | |
| Rubiaceae | <i>Pauridiantha sylvicola</i> (Hutch. & Dalziel) Bremek. | Herb. | Herb. | Herb. |
| Rubiaceae | <i>Pavetta</i> sp. | | Herb. | |
| Rubiaceae | <i>Poecilocalyx stipulosa</i> (Hutch. & Dalziel) N.Hallé | | Herb. | |
| Rubiaceae | <i>Psychotria biaurita</i> (Hutch. & Dalziel) Verdc. | Herb. | | |
| Rubiaceae | <i>Psychotria gabonica</i> Hiern | | | Herb. |
| Rubiaceae | <i>Psychotria kwewonii</i> Jongkind ined. | | | Herb. |
| Rubiaceae | <i>Psychotria ombrophila</i> (Schnell) Verdc. | | Herb. | |
| Rubiaceae | <i>Psychotria peduncularis</i> (Salisb.) Verdcourt | | | -X- |
| Rubiaceae | <i>Psychotria</i> sp. 1 | Herb. | | |
| Rubiaceae | <i>Psychotria</i> sp. 2 | | | Herb. |
| Rubiaceae | <i>Psychotria</i> sp. 3 | | | Herb. |
| Rubiaceae | <i>Psychotria</i> sp. 4 | | | Herb. |
| Rubiaceae | <i>Psychotria yapoensis</i> (Schnell) Verdc. | | | Herb. |
| Rubiaceae | <i>Rothmannia whitfieldii</i> (Lindl.) Dandy | | Herb. | |
| Rubiaceae | <i>Rytigynia canthioides</i> (Benth.) Robyns | | | Herb. |
| Rubiaceae | <i>Sabicea ferruginea</i> Benth. | | -X- | Herb. |
| Rubiaceae | <i>Sabicea rosea</i> Hoyle | | | Herb. |
| Rubiaceae | <i>Schizocolea linderi</i> (Hutch. & Dalziel) Bremek. | Herb. | Herb. | |
| Rubiaceae | <i>Sericanthe adamii</i> (N.Hallé) Robbr. | | Herb. | |
| Rubiaceae | <i>Sherbournia calycina</i> (G.Don) Hua | | | Herb. |
| Rubiaceae | <i>Stelechantha ziamaeana</i> (Jacq.-Fél.) N.Hallé | Herb. | Herb. | Herb. |
| Rubiaceae | <i>Tarenna fusco-flava</i> (K.Schum.) S.Moore | | | Herb. |
| Rubiaceae | <i>Tarenna</i> sp. | | Herb. | |
| Rubiaceae | <i>Tricalysia pallens</i> Hiern | | | Herb. |
| Rubiaceae | <i>Tricalysia reflexa</i> Hutch. | | Herb. | |
| Rubiaceae | <i>Tricalysia</i> sp. nov. | | Herb. | |
| Rubiaceae | <i>Trichostachys aurea</i> Hiern | Herb. | | -X- |
| Rubiaceae | <i>Uncaria africana</i> G.Don | | -X- | -X- |
| Rubiaceae | <i>Virectaria procumbens</i> (Sm.) Bremek. | | Herb. | Herb. |
| Rubiaceae | <i>Virectaria</i> sp. | | Herb. | |
| Rutaceae | <i>Vepris</i> sp. | | Herb. | |
| Rutaceae | <i>Vepris verdoorniana</i> (Exell & Mendonça) W.Mziray | Herb. | | |
| Rutaceae | <i>Zanthoxylum psammophilum</i> (Aké Assi) Waterman | | Herb. | |
| Rutaceae | <i>Zanthoxylum</i> sp. | -X- | | |
| Sapindaceae | <i>Allophylus</i> sp. | | Herb. | |
| Sapindaceae | <i>Chytranthus carneus</i> Radlk. | Herb. | Herb. | Herb. |
| Sapindaceae | <i>Chytranthus</i> sp. | Herb. | | |
| Sapindaceae | <i>Eriocoelum racemosum</i> Baker | | Herb. | |

continued

| Family | Species | North Lorma | Gola | Grebo |
|------------------|---|-------------|-------|-------|
| Sapindaceae | <i>Pancovia</i> sp. | Herb. | | |
| Sapindaceae | <i>Paullinia pinnata</i> Linné | -X- | | |
| Sapindaceae | <i>Placodiscus pseudostipularis</i> Radlk. | | Herb. | |
| Sapotaceae | <i>Chrysophyllum africanum</i> A.DC. | Herb. | Herb. | Herb. |
| Sapotaceae | <i>Chrysophyllum subnudum</i> Baker | Herb. | | |
| Sapotaceae | <i>Chrysophyllum welwitschii</i> Engl. | Herb. | | Herb. |
| Sapotaceae | <i>Delphydora gracilis</i> A.Chev. | | Herb. | |
| Sapotaceae | <i>Englerophytum</i> sp. | | Herb. | |
| Sapotaceae | <i>Gluema ivorensis</i> Aubrév. & Pellegr. | | Herb. | |
| Sapotaceae | <i>Ituridendron bequaertii</i> De Wild. | | | Herb. |
| Sapotaceae | <i>Manilkara</i> sp. | | Herb. | |
| Sapotaceae | <i>Neolemonniera</i> sp. Heine | Herb. | | |
| Sapotaceae | <i>Pouteria aningeri</i> Baehni | Herb. | | Herb. |
| Scytopetalaceae | <i>Scytopetalum tieghemii</i> Hutch. & Dalziel | | | Herb. |
| Selaginellaceae | <i>Selaginella cathedriformis</i> Spring | Herb. | Herb. | |
| Selaginellaceae | <i>Selaginella myosurus</i> (Swartz) Alston | | | -X- |
| Selaginellaceae | <i>Selaginella soyauxii</i> Hieron. | Herb. | | |
| Selaginellaceae | <i>Selaginella versicolor</i> Spring | Herb. | | |
| Simaroubaceae | <i>Hannoa klaineana</i> Pierre ex Engl. | Herb. | | |
| Solanaceae | <i>Solanum terminale</i> Forssk. | Herb. | | |
| Sterculiaceae | <i>Cola buntingii</i> Baker f. | | Herb. | Photo |
| Sterculiaceae | <i>Cola caricifolia</i> (G.Don) K.Schum. | | | -X- |
| Sterculiaceae | <i>Cola heterophylla</i> (P.Beauv.) Schott. & Endl. | Herb. | | |
| Sterculiaceae | <i>Cola lateritia</i> K.Schum. | | | -X- |
| Sterculiaceae | <i>Cola</i> sp. | Herb. | | |
| Sterculiaceae | <i>Heritiera utilis</i> Sprague | Herb. | Herb. | -X- |
| Sterculiaceae | <i>Leptonychia occidentalis</i> Keay | | | Herb. |
| Sterculiaceae | <i>Sterculia</i> sp. | | | Herb. |
| Sterculiaceae | <i>Triplochiton scleroxylon</i> K.Schum. | | | -X- |
| Thelypteridaceae | <i>Cyclosorus striatus</i> (Schum.) Ching | Herb. | | |
| Thymelaeaceae | <i>Dicranolepis</i> sp. | -X- | | -X- |
| Tiliaceae | <i>Desplatsia chrysochlamys</i> (Mildbr. & Burret) Mildbr. & Burret | Herb. | | Herb. |
| Tiliaceae | <i>Grewia malacocarpa</i> Mast. | Herb. | | |
| Tiliaceae | <i>Grewia pubescens</i> P.Beauv. | Herb. | | |
| Urticaceae | <i>Urena</i> sp. | -X- | | |
| Verbenaceae | <i>Vitex phaeotricha</i> Mildbr. ex W.Piep. | | | Herb. |
| Violaceae | <i>Decorsella paradoxa</i> A.Chev. | | Herb. | Herb. |
| Violaceae | <i>Rinorea brachypetala</i> (Turcz.) Kuntze | Herb. | | |
| Violaceae | <i>Rinorea breviracemosa</i> Chipp | Herb. | Herb. | |
| Violaceae | <i>Rinorea ilicifolia</i> (Welw. ex Oliv.) Kuntze | Herb. | | Herb. |
| Violaceae | <i>Rinorea microdon</i> M.Brandt | Herb. | Herb. | |
| Violaceae | <i>Rinorea oblongifolia</i> (C.H.Wright) Marquand ex Chipp | Herb. | | |
| Violaceae | <i>Rinorea</i> sp. | | | Herb. |

continued

| Family | Species | North Lorma | Gola | Grebo |
|---------------|--|-------------|-------|-------|
| Vitaceae | <i>Cissus diffusiflora</i> (Baker) Planch. | Herb. | | |
| Vitaceae | <i>Cissus miegei</i> Tchoumé | | | Herb. |
| Vitaceae | <i>Cissus producta</i> Afzel. | | | Herb. |
| Vitaceae | <i>Cissus smithiana</i> (Baker) Planch. | | | Herb. |
| Vitaceae | <i>Cissus</i> sp. | Herb. | | |
| Vitaceae | <i>Leea guineensis</i> G.Don | | | -X- |
| Vittariaceae | <i>Antrophyum mannianum</i> Hook. | Herb. | | |
| Vittariaceae | <i>Vittaria guineensis</i> Desv. | Herb. | | |
| Zingiberaceae | <i>Aframomum</i> sp. | | -X- | |
| Zingiberaceae | <i>Reineckia longifolia</i> K.Schum. | | Herb. | |

Appendix 2

Checklist of Odonata recorded from Liberia and neighboring areas.

Klaas-Douwe B. Dijkstra

RL: Unpublished global or western African (between brackets) Red List assessment made by the author (assessed May, evaluated August 2006).

Biology (preferences are inferred from observations during the fieldwork, augmented with previous experience):

B: biogeography of the species. **A:** all over tropical Africa including savannahs, **G:** confined to Guineo-Congolian forest, **N:** associated with northern African savannah (Senegal to Ethiopia), **U:** confined to Upper Guinean forest (Sierra Leone to Togo), **W:** confined to western Africa forest (Senegal to Cameroon).

L: preferred landscape. **F:** forest, **O:** open habitats.

W: preferred water type. **R:** running; **S:** standing.

Liberian records (type locality lies in Liberia if species marked with asterisk):

NL, Go, Gr: North Lorma, Gola and Grebo National Forests.

A: adult voucher obtained; **L:** larval voucher obtained; **S:** adults caught for identification or seen only; records obtained nearby but outside the national forest are given between brackets.

Li: country records after Lempert (1988) and current survey. **1:** species found in current survey (! indicates new national record), **2:** found by Lempert, **3:** found by Lempert, but identification requires confirmation, **4:** literature record listed by Lempert; **5:** not listed by Lempert, but by Pinhey (1984). Species with old or dubious records (probable misidentifications) that are removed from the list until confirmed are: *Sapho orichalcea* McLachlan, 1869; *Umma puella* (Sjöstedt, 1917); *Ceriagrion ignitum* Campion, 1914; *Trithemis nuptialis* Karsch, 1894.

Neighboring areas (type locality lies in stated area if species marked with asterisk):

SL: Sierra Leone records after Carfi and D'Andrea (1994) and Marconi and Terzani (2006). **1:** authors' material; **2:** authors' material, identification requires confirmation; **3:** Aguesse (1968) records; **4:** other literature records. Omitted are: *Stenocnemis pachystigma* (Selys, 1886); *Elatoneura pruinosa* (Selys, 1886); *Agriocnemis forcipata* Le Roi, 1915; *Pseudagrion nubicum* Selys, 1876; *Anaciaeschna triangulifera* McLachlan, 1896; *Anax speratus* Hagen, 1867; *Diastomma* sp. Gambles, 1987; *Phyllogomphus aethiops* Selys, 1854; *Phyllomacromia monoceros* (Förster, 1906); *Orthetrum caffrum* (Burmeister, 1839); *Orthetrum machadoi* Longfield, 1955; *Porpax asperipes* Karsch, 1896; *Trithemis dorsalis* (Rambur, 1842).

MN: Mt Nimba (Guinean side) records after Legrand (2003). **1:** author's material; **2:** author's material, identification requires confirmation; **3:** uncertain records, mostly personal communication P. Aguesse. Omitted are: *Lestes tridens* McLachlan, 1895; *Phyllomacromia aequatorialis* Martin, 1907; *Trithemis furva* Karsch, 1899.

Si: Simandou (Guinea) records after Legrand and Girard (1992). **1:** identification reliable; **2:** identification requires confirmation.

TF: Tai Forest (Côte d'Ivoire) records after Legrand and Couturier (1985): **1.**

| Taxa | Notes | RL | Biology | | | Liberian records | | | | Neighboring areas | | | |
|---|-------|----|---------|---|---|------------------|----|----|----|-------------------|----|----|----|
| | | | B | L | W | NL | Go | Gr | Li | SL | MN | Si | TF |
| Calopterygidae | | | | | | | | | | | | | |
| <i>Phaon camerunensis</i> Sjöstedt, 1900 | 1. | | G | F | R | A | | A | 1 | 2 | 1 | 1 | 1 |
| <i>Phaon iridipennis</i> (Burmeister, 1839) | | | A | O | R | A | A | | 1 | 1 | 1 | 1 | 1 |
| <i>Sapho bicolor</i> Selys, 1853 | | | G | F | R | A | A | S | 1 | 1 | 1 | 1 | 1 |
| <i>Sapho ciliata</i> (Fabricius, 1781) | | | W | F | R | A | A | A | 1 | 1 | 1 | 1 | 1 |
| <i>Sapho fumosa</i> Longfield, 1932 | 2. | NT | U | F | R | | A | | 1 | 3* | 1 | | |
| <i>Umma cincta</i> (Hagen in Selys, 1853) | | | G | F | R | A | A | S | 1 | | 1 | 1 | 1 |
| Chlorocyphidae | | | | | | | | | | | | | |
| <i>Chlorocypha curta</i> (Hagen in Selys, 1853) | | | G | O | R | | | | 2 | 1 | 1 | 1 | |
| <i>Chlorocypha dispar</i> (Palisot de Beauvois, 1807) | | | G | F | R | A | A | A | 1 | 1 | 1 | 1 | 1 |
| <i>Chlorocypha luminosa</i> (Karsch, 1893) | 3. | | U | F | R | | | | 2 | | 1 | | |
| <i>Chlorocypha pyriformosa</i> Fraser, 1947 | 4. | | G | F | R | A | | S | 1 | 1 | | | 1 |
| <i>Chlorocypha radix</i> Longfield, 1959 | 5. | | W | F | R | A | S | A | 1 | 1 | 1 | 1 | 1 |
| <i>Chlorocypha rubida</i> (Hagen in Selys, 1853) | | | W | F | R | | | | 2 | 1 | 3 | | 1 |
| <i>Chlorocypha selysi</i> (Karsch, 1899) | | | G | F | R | A | A | A | 1 | 1 | 1 | 1 | 1 |
| Lestidae | | | | | | | | | | | | | |
| <i>Lestes dissimulans</i> Fraser, 1955 | | | A | O | S | | | | | | 1 | | 1 |
| Platycnemididae | | | | | | | | | | | | | |
| <i>Mesocnemis singularis</i> Karsch, 1891 | | | A | O | R | S | S | A | 1 | 1 | 1 | | 1 |
| <i>Mesocnemis tisi</i> Lempert, 1992 | 6. | EN | U | F | R | | | | 2* | | | | |
| <i>Platycnemis guttifera</i> Fraser, 1950 | | | W | F | R | A | | A | 1 | | | | 1 |
| <i>Platycnemis sikassoensis</i> (Martin, 1912) | | | G | O | R | | | | 2 | 1 | 1 | 1 | 1 |
| Protoneuridae | | | | | | | | | | | | | |
| <i>Chlorocnemis elongata</i> Hagen in Selys, 1863 | | | W | F | R | A | S | A | 1 | 1 | 1 | 1 | |
| <i>Chlorocnemis flavipennis</i> Selys, 1863 | 7. | | W | F | R | | A | A | 1 | 1 | 1 | 1 | |
| <i>Chlorocnemis subnodalis</i> (Selys, 1886) | 8. | | W | F | R | A | A | A | 1 | 1 | 1 | | 1 |
| <i>Elattoneura balli</i> Kimmins, 1938 | | | W | F | R | A | A | A | 1 | 1* | 1 | 1 | 1 |
| <i>Elattoneura dorsalis</i> Kimmins, 1938 | | VU | U | F | R | | | | | 1* | | | |
| <i>Elattoneura girardi</i> Legrand, 1980 | 9. | | W | F | R | | | | 2 | 1 | 1 | | 1 |
| <i>Elattoneura nigra</i> Kimmins, 1938 | | | G | O | R | | | | | 1 | 1 | | |
| <i>Prodasineura villiersi</i> Fraser, 1948 | | | U | F | R | A | A | A | 1 | | 1 | | 1 |
| Coenagrionidae | | | | | | | | | | | | | |
| <i>Aciagrion africanum</i> Martin, 1908 | | | G | O | S | | | | 2 | | 1 | | |
| <i>Aciagrion gracile</i> (Sjöstedt, 1909) | | | A | O | S | | | | | | 1 | | 1 |
| <i>Africallagma subtile</i> (Ris, 1921) | 10. | | A | O | S | | | | | 1 | 1 | 1 | |
| <i>Agriocnemis angustirami</i> Pinhey, 1974 | | VU | U | ? | S | | | | 2* | 1 | | | |
| <i>Agriocnemis exilis</i> Selys, 1872 | | | A | O | S | | | | 2 | 1 | | | |
| <i>Agriocnemis maclachlani</i> Selys, 1877 | | | G | F | S | | | A | 1 | 3 | 1 | | 1 |
| <i>Agriocnemis victoria</i> Fraser, 1928 | 11. | | G | O | S | | | | 2 | 1 | 3 | | |
| <i>Agriocnemis zerafica</i> Le Roi, 1915 | | | A | O | S | | | | 2 | | | | |
| <i>Argiagrion leoninum</i> Selys, 1876 | 12. | DD | U | ? | ? | | | | | 4* | | | |
| <i>Ceriagrion bakeri</i> Fraser, 1941 | | | G | O | S | | | A | 1 | 1 | 2 | | 1 |

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| Taxa | Notes | RL | Biology | | | Liberian records | | | | Neighboring areas | | | |
|---|-------|------|---------|---|---|------------------|----|----|----|-------------------|----|----|----|
| | | | B | L | W | NL | Go | Gr | Li | SL | MN | Si | TF |
| <i>Ceriagrion corallinum</i> Campion, 1914 | | | G | O | S | | A | | 1 | 1* | | | |
| <i>Ceriagrion glabrum</i> (Burmeister, 1839) | | | A | O | S | S | S | | 1 | 1 | 1 | 1 | 1 |
| <i>Ceriagrion rubelloccerinum</i> Fraser, 1947 | | | G | F | S | A | | A | 1 | 1 | 1 | | 1 |
| <i>Ceriagrion suave</i> Ris, 1921 | 13. | | A | O | S | | | | 3 | 1 | 2 | | |
| <i>Ceriagrion tricrenaticeps</i> Legrand, 1984 | | (DD) | G | ? | S | | | | 2 | | | | |
| <i>Ceriagrion wbellani</i> Longfield, 1952 | | | A | O | S | | | | 2 | 3 | 1 | | |
| <i>Ischnura senegalensis</i> (Rambur, 1842) | | | A | O | S | | | | 2 | 1 | | | |
| <i>Pseudagrion aguessei</i> Pinhey, 1964 | | | N | O | R | | | | | 3* | | | |
| <i>Pseudagrion camerunense</i> (Karsch, 1899) | 14. | | W | O | R | | | | 2 | 1 | | | |
| <i>Pseudagrion epiphonematicum</i> Karsch, 1891 | | | G | F | R | A | A | A | 1 | 3 | 1 | 1 | |
| <i>Pseudagrion gigas</i> Ris, 1936 | | | N | ? | R | | | | | 3 | 1 | | |
| <i>Pseudagrion glaucescens</i> Selys, 1876 | | | A | O | S | | | | 2 | 1 | 3 | | |
| <i>Pseudagrion glaucoideum</i> Schmidt in Ris, 1936 | | | G | F | S | S | | | 1 | | | | |
| <i>Pseudagrion glaucum</i> (Sjöstedt, 1900) | 15. | | G | O | S | | | | 2 | | | | |
| <i>Pseudagrion hamoni</i> Fraser, 1955 | | | A | O | S | | | | | 1 | | 2 | |
| <i>Pseudagrion hemicolon</i> Karsch, 1899 | 16. | | G | F | R | A | A | A | 1 | 1 | | 1 | 1 |
| <i>Pseudagrion kersteni</i> Gerstäcker, 1869 | | | A | O | R | | | | | 1 | | | |
| <i>Pseudagrion mascagnii</i> Terzani & Marconi, 2004 | | CR | U | ? | ? | | | | | 1* | | | |
| <i>Pseudagrion melanicterum</i> Selys, 1876 | | | G | O | R | A | A | A | 1 | 1 | 1 | 1 | 1 |
| <i>Pseudagrion sjoestedti</i> Förster, 1906 | | | A | O | R | | A | S | 1 | 1 | | | 1 |
| <i>Pseudagrion sublacteam</i> (Karsch, 1893) | | | A | O | S | | | | 2 | 1 | | 2 | 1 |
| " <i>Pseudagrion</i> " <i>cyathiforme</i> Pinhey, 1973 | 17. | | W | F | R | | | | 2 | 1 | | | |
| " <i>Pseudagrion</i> " <i>malagasoides</i> Pinhey, 1973 | 18. | | W | F | R | | | | 2 | | | | |
| Aeshnidae | | | | | | | | | | | | | |
| <i>Anax chloromelas</i> Ris, 1911 | | | A | O | S | | | | | 4 | | | |
| <i>Anax imperator</i> Leach, 1815 | | | A | O | S | S | | | 1 | | | 1 | |
| <i>Anax tristis</i> Hagen, 1867 | | | A | O | S | | | | 2 | | 3 | | |
| <i>Gynacantha africana</i> (Palisot de Beauvois, 1807) | | | G | F | S | | | | | | | | 1 |
| <i>Gynacantha bullata</i> Karsch, 1891 | | | G | F | S | S | | A | 1 | 1 | 1 | 1 | 1 |
| <i>Gynacantha cylindrata</i> Karsch, 1891 | | | G | F | S | | | | 2 | 1 | 3 | | 1 |
| <i>Gynacantha manderica</i> Grünberg, 1902 | | | A | O | S | | | | | 1 | 3 | | |
| <i>Gynacantha nigeriensis</i> (Gambles, 1956) | 19. | | G | F | S | | | | | 1 | | | |
| <i>Gynacantha sextans</i> McLachlan, 1896 | | | G | F | S | | | | | | 1 | | 1 |
| <i>Gynacantha</i> sp. indet. | 20. | | ? | ? | ? | | | | 3 | | | | |
| <i>Gynacantha vesiculata</i> Karsch, 1891 | | | G | F | S | | | | 2 | 1 | 3 | | |
| <i>Heliaeschna fuliginosa</i> Karsch, 1893 | 21. | | G | F | S | | A | A | 1 | 1 | | | 1 |
| <i>Heliaeschna</i> cf. <i>cynthiae</i> Fraser, 1939 | 22. | | ? | ? | ? | | | | 3 | | | | |
| Gomphidae | | | | | | | | | | | | | |
| <i>Diastomma gamblesi</i> Legrand, 1992 | 23. | | U | F | R | | | | 2 | | 1* | | |
| <i>Gomphidia bredoi</i> (Schouteden, 1934) | 24. | | N | O | R | | | | | | | | 1 |
| <i>Gomphidia gamblesi</i> Gauthier, 1987 | | | W | F | R | | | S | 1 | | 1 | | |
| <i>Ictinogomphus ferox</i> (Rambur, 1842) | | | A | O | R | | | | | 1 | 3 | | |
| <i>Ictinogomphus fraseri</i> Kimmins, 1958 | | | W | F | R | | | | | 1* | | | |

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| Taxa | Notes | RL | Biology | | | Liberian records | | | | Neighboring areas | | | |
|--|-------|------|---------|---|---|------------------|----|-----|----|-------------------|----|----|----|
| | | | B | L | W | NL | Go | Gr | Li | SL | MN | Si | TF |
| <i>Lestinogomphus africanus</i> (Fraser, 1926) | | DD | ? | F | R | | | | | 4* | | | |
| <i>Lestinogomphus matilei</i> Legrand & Lachaise, 2001 | 25. | | U | F | R | | | | 2 | | | | |
| <i>Lestinogomphus</i> n. sp. 1 | 26. | | U | F | R | | | | 3 | | | | |
| <i>Lestinogomphus</i> n. sp. 2 | 27. | | U | F | R | | | | 3 | | | | |
| <i>Lestinogomphus</i> sp. indet. | | | ? | F | R | S | | L | 1 | | | | |
| <i>Microgomphus jannyae</i> Legrand, 1992 | | | U | F | R | | | | | | 1* | | |
| <i>Microgomphus</i> sp. indet. | 28. | | ? | F | R | A | | | 1 | | | | |
| <i>Onychogomphus xerophilus</i> Fraser, 1956 | 29. | (DD) | U | F | R | | | | | 2 | 2 | | |
| <i>Paragomphus genei</i> (Selys, 1841) | | | A | O | S | | | | 2 | 1 | | | |
| <i>Paragomphus kiautai</i> Legrand, 1992 | | DD | U | F | R | | | | | | 1* | | |
| <i>Paragomphus mariannae</i> Legrand, 1992 | 30. | DD | U | F | R | | | | 2 | | 1* | | |
| <i>Paragomphus nigroviridis</i> Cammaerts, 1968 | | | G | F | R | | A | | 1! | | | | |
| <i>Paragomphus serrulatus</i> (Baumann, 1898) | 31. | | N | F | R | | | | 2 | 1 | | | |
| <i>Paragomphus tournieri</i> Legrand, 1992 | 32. | DD | U | F | R | | | | 2 | | 1* | | |
| <i>Paragomphus</i> n. sp. cf. <i>elpidius</i> Ris, 1921 | 33. | | U | F | R | | | | 2 | | | | |
| <i>Paragomphus</i> sp. indet. | | | ? | F | R | L | L | | 1 | | | | |
| <i>Phyllogomphus bartolozzii</i> Marconi, Terzani & Carletti, 2001 | 34. | DD | U | F | R | | | | | 1* | | | |
| <i>Phyllogomphus helena</i> Lacroix, 1921 | | DD | U | F | R | | | | | 4* | | | |
| <i>Phyllogomphus moundi</i> Fraser, 1960 | | | W | F | R | | A | S | 1! | | 1 | | |
| <i>Phyllogomphus</i> n. sp. | 35. | | U | F | R | | | | 2 | | | | |
| <i>Tragomphus christinae</i> Legrand, 1992 | 36. | DD | U | F | R | | | | 2 | | 1* | | |
| <i>Tragomphus</i> sp. indet. | | | ? | F | R | | L | | 1 | | | | |
| Corduliidae | | | | | | | | | | | | | |
| <i>Idomacromia liefincki</i> Legrand, 1984 | | | G | F | R | | | | 2 | | 1 | | |
| <i>Idomacromia provavita</i> Karsch, 1896 | | | G | F | R | | | | | | 1 | | 1 |
| <i>Neophya rutherfordi</i> Selys, 1881 | | | G | F | R | | | | 2 | 1 | 1 | | |
| <i>Phyllomacromia aeneothorax</i> (Nunney, 1895) | | (DD) | G | F | R | | | | 2 | 4 | 1 | 1 | |
| <i>Phyllomacromia contumax</i> Selys, 1879 | 37. | | A | O | R | | | | 2 | | | | |
| <i>Phyllomacromia funicularioides</i> (Legrand, 1983) | | NT | U | F | R | | | | 2 | | 1* | | |
| <i>Phyllomacromia hervei</i> (Legrand, 1980) | | | G | F | R | A | | A | 1 | | | | |
| <i>Phyllomacromia kimminsi</i> (Fraser, 1954) | | | A | F | R | | | | | 1* | | | |
| <i>Phyllomacromia lamottei</i> (Legrand, 1993) | 38. | DD | U | F | R | | | | 2 | | 1* | | |
| <i>Phyllomacromia melania</i> (Selys, 1871) | 39. | | G | F | R | A | A | | 1 | 4 | 1 | | |
| <i>Phyllomacromia occidentalis</i> (Fraser, 1954) | | (DD) | U | F | R | | | | 2 | | | | |
| <i>Phyllomacromia sophia</i> (Selys, 1871) | | | U | F | R | | A | | 1 | 4 | 1 | | 1 |
| Libellulidae | | | | | | | | | | | | | |
| <i>Acisoma panorpoides</i> Rambur, 1842 | | | A | O | S | S | S | (S) | 1 | 1 | 1 | | 1 |
| <i>Acisoma trifidum</i> Kirby, 1889 | | | G | O | S | S | S | (S) | 1 | 1 | 1 | | |
| <i>Aethiothemis bella</i> (Fisher, 1939) | 40. | (DD) | G | F | ? | | | | | 3 | | | |
| <i>Aethiothemis solitaria</i> Martin, 1908 | | | A | O | S | | | | | 2 | | | |
| <i>Aethriamanta rezia</i> Kirby, 1889 | | | A | O | S | S | S | S | 1 | | 1 | | |
| <i>Atoneura luxata</i> Dijkstra, 2006 | 41. | (VU) | G | F | R | | | | | 1 | 1 | | |

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| Taxa | Notes | RL | Biology | | | Liberian records | | | | Neighboring areas | | | |
|--|-------|------|---------|---|---|------------------|-----|-----|----|-------------------|----|----|----|
| | | | B | L | W | NL | Go | Gr | Li | SL | MN | Si | TF |
| <i>Brachythemis lacustris</i> (Kirby, 1889) | | | A | O | S | | | | 2 | | | | |
| <i>Bradynopyga strachani</i> (Kirby, 1900) | | | N | O | S | | A | | 1 | 1 | 3 | | |
| <i>Chalcostephia flavifrons</i> Kirby, 1889 | | | A | O | S | S | S | S | 1 | 1 | 1 | | |
| <i>Crocothemis divisa</i> Baumann, 1898 | 42. | | A | O | S | | | | 5 | 1 | 1 | | |
| <i>Crocothemis erythraea</i> (Brullé, 1832) | | | A | O | S | S | S | (S) | 1 | 1 | 3 | | |
| <i>Crocothemis sanguinolenta</i> (Burmeister, 1839) | | | A | O | R | | (S) | | 1 | 1 | 1 | 1 | |
| <i>Cyanothemis simpsoni</i> Ris, 1915 | | | G | F | R | A | S | S | 1 | 4* | 1 | | 1 |
| <i>Diplacodes deminuta</i> Liefinck, 1969 | 43. | (DD) | A | O | S | | | | 2 | | | | |
| <i>Diplacodes lefebvreii</i> (Rambur, 1842) | | | A | O | S | | A | (S) | 1 | 1 | 1 | | |
| <i>Diplacodes luminans</i> (Karsch, 1893) | 44. | | A | O | S | | | | 2 | 1 | 3 | | |
| <i>Eleuthemis buettikoferi</i> Ris, 1910 | | | G | F | R | | | S | 1* | 2 | 2 | | |
| <i>Eleuthemis</i> n. sp. | | | U | F | R | | A | | 1 | | | | |
| <i>Hadrothemis camarensis</i> (Kirby, 1889) | 45. | | G | F | S | S | A | A | 1 | 1 | 1 | | 1 |
| <i>Hadrothemis coacta</i> (Karsch, 1891) | | | G | F | S | | | A | 1 | | 3 | | 1 |
| <i>Hadrothemis defecta</i> (Karsch, 1891) | | | G | F | S | S | A | S | 1 | 1 | 1 | | |
| <i>Hadrothemis infesta</i> (Karsch, 1891) | | | G | F | S | A | A | S | 1 | 4 | 1 | | 1 |
| <i>Hadrothemis versuta</i> (Karsch, 1891) | | | G | F | S | S | A | | 1 | | 1 | | |
| <i>Hemistigma albipunctum</i> (Rambur, 1842) | | | A | O | S | | A | | 1 | 1 | 3 | | |
| <i>Lokia incongruens</i> (Karsch, 1893) | 46. | | W | F | R | | | | 2 | | | | |
| <i>Malgassophlebia bispina</i> Fraser, 1958 | | | G | F | R | | | | 2 | | 1 | | |
| <i>Micromacromia camerunica</i> Karsch, 1890 | 47. | | G | F | R | A | | | 1 | 4 | | | |
| <i>Micromacromia zygotera</i> (Ris, 1909) | 48. | | G | F | R | | | A | 1 | 1 | 1 | | 1 |
| <i>Neodythemis campioni</i> Ris, 1915 | 49. | NT | U | F | R | | | | 2 | 4* | 2 | | |
| <i>Neodythemis klingi</i> (Karsch, 1890) | 50. | | G | F | R | | A | A | 1 | 1 | 1 | | 1 |
| <i>Nesciothemis minor</i> Gambles, 1966 | | | N | O | R | | | (A) | 1! | 1 | 1 | | |
| <i>Nesciothemis nigeriensis</i> Gambles, 1966 | | | N | O | S | | | | | 3 | | | |
| <i>Nesciothemis pujoli</i> Pinhey, 1971 | 51. | | N | O | S | | | | 4 | 1 | 2 | | |
| <i>Notiothemis robertsi</i> Fraser, 1944 | | | G | F | S | | S | | 1 | | 1 | | |
| <i>Olpogastra lugubris</i> Karsch, 1895 | | | A | O | R | | A | S | 1 | 3 | 1 | 1 | |
| <i>Orthetrum abbotti</i> Calvert, 1892 | | | A | O | S | A | A | | 1 | 1 | 1 | | |
| <i>Orthetrum africanum</i> (Selys, 1887) | | | G | F | R | | | | 2 | 4 | 1 | | |
| <i>Orthetrum angustiventre</i> (Rambur, 1842) | | | A | O | S | | | | 2 | 1 | | | |
| <i>Orthetrum austeni</i> (Kirby, 1900) | | | G | O | S | S | S | S | 1 | 1* | 1 | | 1 |
| <i>Orthetrum brachiale</i> (Palisot de Beauvois, 1817) | | | A | O | S | | A | | 1 | 1 | 3 | | 1 |
| <i>Orthetrum chrysostigma</i> (Burmeister, 1839) | | | A | O | S | | | | 2 | 1 | 3 | | |
| <i>Orthetrum guineense</i> Ris, 1910 | | | A | O | R | | | | 4 | 1 | 1 | | |
| <i>Orthetrum hintzi</i> Schmidt, 1951 | | | A | O | S | | A | S | 1 | 1 | 1 | | 1 |
| <i>Orthetrum icteromelas</i> Ris, 1910 | 52. | | A | O | S | | | | 2 | 4 | | | |
| <i>Orthetrum julia</i> Kirby, 1900 | | | A | O | R | A | A | S | 1 | 1* | 1 | 1 | 1 |
| <i>Orthetrum latihami</i> Pinhey, 1966 | 53. | | N | O | ? | | | | | 1 | 1 | | |
| <i>Orthetrum microstigma</i> Ris, 1911 | | | G | O | S | A | A | S | 1 | 1 | 1 | 1 | 1 |
| <i>Orthetrum monardi</i> Schmidt, 1951 | | | A | O | S | | | | | 1 | | | |
| <i>Orthetrum sagitta</i> Ris, 1915 | | NT | U | ? | ? | | | | | 2* | | | |

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| Taxa | Notes | RL | Biology | | | Liberian records | | | | Neighboring areas | | | |
|---|-------|------|---------|---|---|------------------|----|-----|----|-------------------|----|----|----|
| | | | B | L | W | NL | Go | Gr | Li | SL | MN | Si | TF |
| <i>Orthetrum stemmale</i> (Burmeister, 1839) | | | A | O | S | A | A | | 1 | | 3 | 1 | 1 |
| <i>Oxythemis phoenicosceles</i> Ris, 1910 | | | G | F | S | | | | 2 | | | | |
| <i>Palpopleura deceptor</i> (Calvert, 1899) | | | A | O | S | | A | | 1! | 4 | | | |
| <i>Palpopleura jucunda</i> (Rambur, 1842) | | | A | O | S | | | | | 1 | | | |
| <i>Palpopleura lucia</i> (Drury, 1773) | | | A | O | S | S | S | S | 1 | 1 | 1 | 1 | 1 |
| <i>Palpopleura portia</i> (Drury, 1773) | 54. | | A | O | S | S | A | S | 1 | 1 | 1 | 1 | 1 |
| <i>Pantala flavescens</i> (Fabricius, 1798) | | | A | O | S | S | S | (S) | 1 | 1 | 1 | | |
| <i>Parazyxomma flavicans</i> (Martin, 1908) | | | G | O | S | S | | | 1 | | | | |
| <i>Porpax bipunctus</i> Pinhey, 1966 | | (VU) | G | F | ? | | | | 2 | | | | 1 |
| <i>Rhyothemis fenestrina</i> (Rambur, 1842) | | | A | O | S | S | A | (S) | 1 | 4 | | | |
| <i>Rhyothemis notata</i> (Fabricius, 1781) | | | G | O | S | | | (A) | 1 | 4 | 1 | | |
| <i>Rhyothemis semihyalina</i> (Desjardins, 1832) | | | A | O | S | | | | 2 | 1 | | | |
| <i>Sympetrum navasi</i> Lacroix, 1921 | | | A | O | S | | | | 2 | 3 | | | |
| <i>Tetrathemis camerunensis</i> (Sjöstedt, 1900) | 55. | | G | F | S | A | A | S | 1 | | 3 | 1 | 1 |
| <i>Tetrathemis godiardi</i> Lacroix, 1921 | | | W | F | S | | A | A | 1 | | 1 | | |
| <i>Tetrathemis polleni</i> (Selys, 1869) | | | A | O | S | S | | | 1! | | | | |
| <i>Thermochoria equivocata</i> Kirby, 1889 | | | G | F | S | | | | 2 | 1 | 1 | | 1 |
| <i>Tholymis tillarga</i> (Fabricius, 1798) | | | A | O | S | | A | A | 1 | 1 | 1 | | 1 |
| <i>Tramea basilaris</i> (Palisot de Beauvois, 1817) | | | A | O | S | S | S | (S) | 1 | 1 | | | |
| <i>Tramea limbata</i> (Desjardins, 1832) | | | A | O | S | S | A | (S) | 1! | 1 | | | |
| <i>Trithemis aconita</i> Liefstinck, 1969 | 56. | | A | O | R | A | A | A | 1 | 1 | 1 | 1 | 1 |
| <i>Trithemis africana</i> (Brauer, 1867) | | NT | U | F | R | | A | | 1 | 1* | | | |
| <i>Trithemis annulata</i> (Palisot de Beauvois, 1807) | | | A | O | S | | | | 2 | 1 | 3 | | |
| <i>Trithemis arteriosa</i> (Burmeister, 1839) | | | A | O | S | A | A | S | 1 | 1 | 1 | | 1 |
| <i>Trithemis basitincta</i> Ris, 1912 | | | W | F | R | | A | | 1 | | | | |
| <i>Trithemis bredoi</i> Fraser, 1953 | | | N | O | S | | | | | 1 | | | |
| <i>Trithemis dichroa</i> Karsch, 1893 | | | G | O | R | | | | 2 | 1 | 1 | | |
| <i>Trithemis dejouxi</i> Pinhey, 1978 | 57. | | N | O | R | | | | 3 | | | | |
| <i>Trithemis grouti</i> Pinhey, 1961 | 58. | | G | O | R | A | A | S | 1 | 1 | 1 | 1 | 1 |
| <i>Trithemis hecate</i> Ris, 1912 | 59. | | A | O | ? | | | | 3 | 1 | | | |
| <i>Trithemis kalula</i> Kirby, 1900 | | | N | O | ? | | | | | 1* | 1 | | |
| <i>Trithemis kirbyi</i> Selys, 1891 | | | A | O | S | | | | 2 | | 3 | | |
| <i>Trithemis monardi</i> Ris, 1931 | 60. | | A | O | S | | A | | 1! | 1 | | | |
| <i>Trithemis pruinata</i> Karsch, 1899 | | | G | F | R | | | | | | 1 | | |
| <i>Trithemis stictica</i> (Burmeister, 1839) | | | A | O | R | | | | 2 | 1 | | | |
| <i>Urothemis assignata</i> (Selys, 1872) | | | A | O | S | S | | | 1 | | 1 | | |
| <i>Urothemis edwardsii</i> (Selys, 1849) | | | A | O | S | | | | 2 | 1 | | | |
| <i>Zygonyx chrysobaphes</i> Ris, 1915 | | | U | F | R | | | S | 1 | 4* | 1 | | |
| <i>Zygonyx flavicosta</i> (Sjöstedt, 1900) | 61. | | G | F | R | L | A | | 1 | 1 | 1 | | |
| <i>Zygonyx geminunca</i> Legrand, 1997 | 62. | | U | F | R | | | | 3 | | 1* | | |
| <i>Zygonyx torridus</i> (Kirby, 1889) | | | A | O | R | | | | 2 | 1* | 1 | | |
| <i>Zyxomma atlanticum</i> Selys, 1889 | | | A | O | S | | S | S | 1 | | | | |

Notes:

1. Includes Lempert's (1988) "*Phaon* cf. *fraseri* Pinhey, 1961";
2. The author's study of type specimens of *Sapho fumosa* and *Umma infumosa* Fraser, 1951 in the Natural History Museum in London suggest the two are synonymous;
3. Formerly known as *C. sharpae* Pinhey, 1972;
4. Formerly known as *C. mutans* Legrand & Couturier, 1986, misidentified as *C. neptunus* (Sjöstedt, 1899) by Carfi & D'Andrea (1994);
5. Formerly listed as *C. glauca radix* or just *C. glauca* (Selys, 1879);
6. "*Mesocnemis* sp.nov." in Lempert (1988);
7. *C. rossii* Pinhey, 1969, treated as a good species by Legrand (2003) is considered a synonym of *C. flavipennis* by the author;
8. Formerly placed in *Ismecocnemis*;
9. Misidentified as *E. acuta* Kimmins, 1938 by Carfi & D'Andrea (1994);
10. Formerly placed in *Enallagma*;
11. Misidentified as *A. forcipata* Le Roi, 1915 by Carfi & D'Andrea (1994);
12. Single female holotype from Sierra Leone is unlike any known African species and may pertain to a mislabelling.
13. Includes *C. moorei* Longfield, 1952;
14. Formerly known as *P. angelicum* Fraser, 1947;
15. Formerly known as *P. basicornu* Schmidt in Ris, 1936;
16. Formerly known as *P. flavipes* Sjöstedt, 1899 or *P. f. leonense* Pinhey, 1964;
17. Described as *Aciagrion walteri* by Carfi & D'Andrea (1994);
18. This and the previous species probably belong to an unnamed genus;
19. Formerly known as *G. sevastopuloi* (Pinhey, 1961), identification by Carfi & D'Andrea (1994) confirmed;
20. Lempert's (1988) "*Gynacantha* sp." female could not be assigned to a known species;
21. Misidentified as "*Gynacantha* cf. *usambarica* Sjöstedt, 1909" by Carfi & D'Andrea (1994);
22. Female published by Lempert (1988) as *H. fuliginosa*;
23. "*Diastatomma* sp. nov." in Lempert (1988);
24. Formerly known as *G. madi* Pinhey, 1961;
25. "*Lestinogomphus* sp. 2" in Lempert (1988);
26. "*Lestinogomphus* sp. 1" in Lempert (1988);
27. "*Lestinogomphus* sp. 3" in Lempert (1988);
28. Includes Lempert's (1988) "*Microgomphus* sp." females;
29. Records of *O. quirrkii* Pinhey, 1964 and *O. supinus* Hagen in Selys, 1854 listed under this name, the only one for this type of *Onychogomphus* from West Africa;
30. "*Paragomphus* sp. nov. 3" in Lempert (1988);
31. Formerly known as *P. bredoi* (Schouteden, 1934) includes records by that name and "*Paragomphus* sp. nov. 2" by Lempert (1988) and misidentified as *P. cognatus* (Rambur, 1842) by Carfi & D'Andrea (1994);
32. "*Paragomphus* sp. nov. 4" in Lempert (1988);
33. "*Paragomphus* sp. nov. 1" in Lempert (1988);
34. May be the same as *P. moundi* and *P. helenae*;
35. Lempert's (1988) "*Phyllogomphus* sp." male is unlike known species;
36. Identified as *T. tenaculatus* (Fraser, 1926) by Lempert (1988);
37. Formerly known as *P. bifasciata* Martin, 1912;
38. Lempert's (1988) "*Macromia* sp. nov." is this species;
39. Formerly known as *P. funicularia* (Martin, 1907);
40. Formerly known as *Sleuthemis displacoides* Fraser, 1951 and *Monardithemis leonensis* Aguesse, 1968;
41. Formerly mistaken for *A. biordinata* Karsch, 1899;
42. Misidentified as *C. saxicolor* Ris, 1921 by Carfi & D'Andrea (1994), old Liberian record of that species also included here;
43. Three specimens published by Lempert (1988) as *D. lefebvrii*;
44. Formerly placed in *Philonomon*;
45. Misidentified (partly) as *Lokia incongruens* by Carfi & D'Andrea (1994);
46. Several records accidentally excluded by Lempert (1988);
47. Some records may require reexamination following confusion with *M. zygoptera*;
48. Formerly placed in *Eothemis*;
49. Formerly placed in *Allorrhizucha*, probably misidentified as *Neodythemis scalarum* Pinhey, 1964 by Legrand (2003);
50. Formerly placed in *Allorrhizucha*;
51. All western African specimens of *N. farinosa* (Förster, 1898) examined by author pertained to *N. pujoli*;
52. Single Liberian female among material not noted previously by Lempert (1988);
53. Identification by Carfi & D'Andrea (1994) confirmed;
54. *P. lucia* and *P. portia* were not separated by Lempert (1988), but both present in material;
55. Includes *T. bifida* Fraser, 1941;
56. Misidentified as *T. bifida* Pinhey, 1970 and *T. basitincta* by Carfi & D'Andrea (1994);
57. "*T. donaldsoni* (Calvert, 1899)" in Lempert (1988);
58. Formerly known as *T. ara* Pinhey, 1961, misidentified as *T. nuptialis* Karsch, 1894 by Carfi & D'Andrea (1994);
59. Identification by Marconi & Terzani (2006) confirmed, Lempert's (1988) "*T. cf. hecate*" is probably also correct;
60. Includes *T. imitata* Pinhey, 1961;
61. Includes *Z. fallax* (Schouteden, 1934);
62. Lempert's (1988) "*Zygonyx* sp." may be this species, but the specimen is lost.

Appendix 3

Locality list and short description of habitats investigated in North Lorma National Forest/ Wologizi (WOL), Gola National Forest (GO) and Grebo National Forest (GRE).

Annika Hillers and Mark-Oliver Rödel

| Site | Latitude (N) | Longitude (W) | Date | Description |
|------|-----------------------|-----------------------|------------------------|--|
| WOL1 | 8°01.741' | 9°44.119' | 20.11.2005 | Primary forest with small stream |
| WOL2 | 8°01.929' | 9°44.161' | 20.11.2005 | Dry primary forest on hill above big river |
| WOL3 | 8°01.434' | 9°44.414' | 21.11.2005 | Primary forest, one part slightly swampy area, other part brook, next to big river |
| WOL4 | 8°01.523' | 9°44.226' | 21.11.2005 | Dry forest over river, many lianas, thick undergrowth |
| WOL5 | 8°02.043' | 9°43.970' | 22.11.2005 | Forest around stream with rocks and stones, further in forest sandy, and slightly swampy area with temporary puddles |
| WOL6 | 8°02.023' | 9°44.143' | 22.11.2005 | Forest over river, on one side stream with small waterfall, many shrubs and bushes |
| WOL7 | 8°02.509' | 9°43.682' | 23.11.2005 | Dry forest with big rocks and stones |
| WOL8 | 8°02.391' | 9°43.750' | 23.11.2005 | Swampy area in forest, with <i>Raffia</i> and <i>Marantaceae</i> , partly open canopy |
| WOL9 | 8°01.722' | 9°44.124' | 24.11.2005 | Forest with streams and partly swampy area |
| GO1 | 7°27.178' | 10°41.522' | 28.11.2005 & 1.12.2005 | Hilly primary forest with stream, stream with rocks and sand |
| GO2 | 7°27.272' | 10°41.548' | 29.11.2005 | Dry forest on hill, with some rocks |
| GO3 | 7°27.376' | 10°41.736' | 29.11.2005 & 1.12.2005 | Old diamond mines and ponds within forest, partly open area, and forest around this area |
| GO4 | 7°27.293' | 10°41.632' | 29.11.2005 | Dry forest on hill |
| GO5 | 7°27.352' | 10°41.483' | 30.11.2005 | Valley within forest with small brook, partly swampy area and forest around, partly on hill |
| GO6 | 7°26.781' | 10°39.063' | 2.12.2005 | Big pond near SLC village |
| GO7 | 7°26.404' | 10°39.150' | 2.12.2005 | Small pond next to big river Mano, with stones and a few trees |
| GRE1 | 5°24.108' | 7°44.011' | 7.12.2005 | Mature secondary forest, partly thick undergrowth, with sandy stream and temporary puddles |
| GRE2 | 5°24.358' | 7°44.106' | 8.12.2005 & 10.12.2005 | Swampy area in forest with small stream, with many treefall gaps and lianas, forest around the swampy area |
| GRE3 | 5°24.535' | 7°44.276' | 8.12.2005 | Dry forest |
| GRE4 | 5°24.285' | 7°43.786' | 9.12.2005 | Swampy area within secondary forest near stream with many lianas and shrubs, thick leaf litter coverage |
| GRE5 | 5°24.334' | 7°43.631' | 9.12.2005 | Dry forest on hill |
| GRE6 | 5°23.857' | 7°42.536' | 10.12.2005 | Big pond next to old logging road in mature secondary forest |
| GRE7 | 5°24.083' | 7°42.892' | 10.12.2005 | Pond next to old logging road in mature secondary forest |
| GRE8 | 5°24.286' | 7°42.954' | 10.12.2005 | Small pond next to old logging road in mature secondary forest |
| GRE9 | 5°24.127' & 5°23.827' | 7°43.965' & 7°44.160' | 9.12.2005 & 11.12.2005 | On or next to old logging road in mature secondary forest |