

Nationally Threatened Species for Uganda

National Red List for Uganda for the following Taxa: Mammals, Birds, Reptiles, Amphibians, Butterflies, Dragonflies and Vascular Plants



JANUARY 2016



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ACKNOWLEDGEMENTS

The research team and authors of the Uganda Redlist comprised of Sarah Prinsloo, Dr AJ Plumtre and Sam Ayebare of the Wildlife Conservation Society, together with the taxonomic specialists Dr Robert Kityo, Dr Mathias Behangana, Dr Perpetra Akite, Hamlet Mugabe, and Ben Kirunda and Dr Viola Clausnitzer.

The Uganda Redlist has been a collaboration between many individuals and institutions and these have been detailed in the relevant sections, or within the three workshop reports attached in the annexes. We would like to thank all these contributors, especially the Government of Uganda through its officers from Ugandan Wildlife Authority and National Environment Management Authority who have assisted the process.

The Wildlife Conservation Society would like to make a special acknowledgement of Tullow Uganda Oil Pty, who in the face of limited biodiversity knowledge in the country, and specifically in their area of operation in the Albertine Graben, agreed to fund the research and production of the Uganda Redlist and this report on the Nationally Threatened Species of Uganda.

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PREAMBLE

The Wildlife Conservation Society (WCS) has been supporting the conservation authorities in Uganda to preserve biodiversity for more than 50 years. In that time the nature of biodiversity conservation has changed and the traditional challenges, of instability, population pressure (leading to unsustainable resource extraction, habitat degradation and other legal and illegal activities), have been added to by new challenges such as climate change and commercial resource extraction, particularly mining and energy resource development. These challenges make the job of protecting the country's biodiversity resources even more difficult and the conservation authorities need more proactive and responsive tools to manage the threats.

The Government of Uganda is a signatory to the Convention on Biological Diversity and as a result has committed to conserve the biodiversity of this nation for the people of Uganda and the International Community. In order to achieve this there needs to be a mechanism to identify and flag species of conservation concern at a national level in order to ensure that conservation actions can address their requirements before they are lost.

Various initiatives set out guidance for ensuring that the tools for conservation are available and used. One such initiative aids the identification of species most under threat of extinction, so that authorities can target conservation efforts to where they are most needed. This initiative is led by the International Union for the Conservation of Nature (IUCN) with the global Red List of Threatened Species, which has become recognised as the global conservation standard, drawing attention to the most critically threatened species around the world. IUCN introduced guidelines for regional or national assessment of biodiversity, as the global ranking does not necessarily serve individual countries whose biodiversity may have specific and distinct threats which are different to those at the global level. This report summarises a process that has been followed in Uganda using the IUCN redlisting process for regional/national listings, to identify species threatened at a national level.

The Conference to the Parties to the Convention on Biodiversity recognises the need for national redlisting in notification 2014-074, in which the Executive Secretary requested Parties and partners to provide updated information on national and subnational red lists for compilation by IUCN as a contribution to the effort to measure progress toward the achievement of the Aichi Biodiversity Targets, in particular Target 12:

“By 2020, the extinction of known threatened species has been prevented and their conservation status, particularly of those most in decline, has been improved and sustained.”

Uganda is committed to implementing the Aichi targets, and this redlisting process will allow conservation authorities to have the information needed to achieve Aichi Target 12.

BACKGROUND

As a consequence of human population increase and development pressures driving land use change, many previously undisturbed habitats in Uganda, both protected and on private land, have been converted, cleared or otherwise degraded as reported in the State of the Environment Reports produced every two years by the National Environment Management Authority of Uganda (NEMA). Whilst some species are adaptable to such pressures, including the ability to thrive in human-modified landscapes, and are still numerous, others are clearly on the decline. Hunting for bushmeat, harvesting of plant species for food, fuel and building are just some of the other pressures facing wild animals and plants. Due to these direct and indirect pressures some species are clearly reaching the point where their populations may no longer be viable.

Up to date and reliable information on the conservation status of Uganda's ecosystems and wildlife populations is key to enable authorities to manage the often conflicting needs of development and conservation promptly and proactively, ensuring returns from investment without compromising sustainability. Gathering this information is time-consuming and expensive and can delay investment.

This need for accessible and reliable information on conservation status is recognised by the Government of Uganda and by countries worldwide. The threat status of ecosystems and wildlife species is now an important consideration in environmental impact assessments carried out to comply with international performance standards. Investors wishing to comply with these standards are expected to review threats across the landscapes in which they plan to operate and to follow certain steps if they are likely to affect habitats that are important for conservation of highly threatened species.

The Government of Uganda, in conjunction with Tullow Uganda Operations Limited (TUOP) and its partners Total E&P and CNOOC, wishes to develop its oil resources in the Albertine Graben, an area of rich biodiversity with more threatened and endemic vertebrate species than anywhere else in Africa. The partners have stated that this development will be in compliance with the International Finance Corporations Environmental and Social Performance Standards (IFC 2012). TUOP contracted WCS to provide baseline biodiversity survey information and to identify the presence of critical habitat as stipulated in IFC Performance Standard 6. This requires the identification of threatened species as detailed in this extract:

“(i) If the species is listed nationally / regionally as critically endangered or endangered, in countries that have adhered to IUCN guidance, the critical habitat determination will be made on a project by project basis in consultation with competent professionals; and (ii) in instances where nationally or regionally listed species' categorizations do not correspond well to those of the IUCN (e.g., some countries more generally list species as “protected” or “restricted”), an assessment will be conducted to determine the rationale and purpose of the listing. In this case, the critical habitat determination will be based on such an assessment”.

Compliance with IUCN guidance is important not only to meet IFC standards but to provide a reference list of species of conservation concern to contribute to conservation efforts nationally. As a result WCS, supported by TUOP, worked closely with Makerere University, the National Forest Authority (NFA), Uganda Wildlife Authority (UWA,) the National Fisheries Resources Research Institute (NaFIRRI), Nature Uganda and other experts with knowledge of the species considered, to compile this national list of threatened species for Uganda. The process has strictly followed the IUCN guidelines for redlisting at the regional/national level (IUCN 2012a) in order to identify a national redlist of species for seven taxa: namely higher plants, birds, mammals, butterflies,

dragonflies, amphibians, and reptiles, that may be considered for special conservation status in Uganda.

Identification of threatened species is important not just for the sake of biodiversity conservation, but because biodiversity underpins so many important economic and cultural activities. For instance:

- *Timber species of trees*: commercial forestry depends on timber species which are declining rapidly;
- *The Crowned Crane*: the National Bird of Uganda, globally endangered and an indicator of wetland extent and health;
- *Lions*: each lion in the Queen Elizabeth National Park is estimated at a value of \$14,000 per year in tourism revenue (Plumptre 2006) yet at the time there were estimated to be only about 420 left in the country and declining.

USE OF THE REDLISTS

These redlists are intended to be widely used and accessible, providing a common reference language with which to discuss and quickly understand the relative threat status of specific species in the country and that is compatible with language widely referred to with regard to conservation internationally. Each entry is given by its scientific name and common English name (although not all species have been given a common name), its global and national redlist status and a list of locations or areas where the species might be found. The final column notes whether the species is 'endemic' to Uganda (i.e. only occurs in this country) or to an area shared by a neighboring country (for example to the Albertine Rift valley in which case it is restricted to Uganda, eastern DRC, Rwanda, Burundi and in some cases to western Tanzania). The following main users of the Redlist are noted:

(i) Government of Uganda

Specifically the Redlist is aimed at the Government of Uganda (primarily the Ministry of Water and Environment and the Ministry of Tourism, Wildlife and Antiquities and their front line Authorities, the National Environmental Management Authority, the Uganda Wildlife Authority and the National Forest Authority) to assist them in their management of the country's natural resource base on behalf of the people of Uganda. In this regard officers from these Ministries have been involved in the Redlisting process from its inception. The Redlist will enable these institutions to decide on conservation targets, both nationally and for individual protected areas and to prioritise the use of funds for conservation.

(ii) Environmental Professionals and Developers

The Redlist is intended to assist decision making for development proposals and ensure that the significance of impacts on any species that may be affected by a development are clearly understood. Each entry in the redlist is accompanied by a list of sites or an area of the country in which the species may be found for easy reference. Environmental professionals (Environmental Impact specialists, researchers) will be able to use the lists as a basis for species assessments and thus ensure that the developer can plan to adequately avoid or mitigate potential negative impacts on threatened species. In the first instance the development of oil extraction infrastructure in the Albertine Graben has enabled the compilation of this Redlist in order for Tullow Uganda Oil Pty to meet its commitment to complying with IFC Performance Standards (IFC 2012). This has closely involved the Petroleum Exploration and Production Department (PEPD) of the Ministry of Energy and Mineral Development. Dissemination of the Redlist to environmental professionals through NEMA will therefore be a crucial factor in informing development partners.

(iii) Conservation Organisations and Academia

Similarly the Redlist will provide an easily accessible reference tool for conservation organisations and researchers who are involved in studying or assisting government in the protection of biodiversity in specific locations in Uganda. Species associated with a particular Protected Area or Region in the country can be easily located in the lists.

SUMMARY OF RESULTS

The lists are assembled by the seven taxonomic groups that have been assessed to date, comprising Mammals, Birds, Reptiles, Amphibians, Butterflies, Dragonflies and Plants. The methodology followed for each of the individual taxa is described in the following section.

The table below illustrates the number of species that have been considered for inclusion in the Redlists, with the threatened species highlighted in three categories of: Critically endangered (most at risk of extinction) to Endangered and Vulnerable (i.e. vulnerable to extinction). Data deficient describes species for which sufficient data is not available to allow it to be assessed (but are highly likely to be threatened). A small number of species are already considered to be wiped out and to no longer have resident populations in Uganda (regionally extinct). The remaining species are listed as near threatened (to be kept under review as a change in circumstance could lead their status to change rapidly), Least Concern for species widespread and whose numbers are not declining significantly or lastly not applicable where the species is considered never to have occurred in Uganda (misidentification, change of nomenclature for the species, or a vagrant).

A description of the eight categories applicable for a national listing can be found in the section entitled Terminology.

Table 1: Summary chart of Species Considered for Inclusion in the Redlist for Uganda

	Taxonomic Group							Total
	Mammals	Birds	Reptiles	Amphibians	Butterflies	Dragonflies	Plants	
Total species considered	329	156	174	90	490	97	96	1432
Threatened Species								
Critically endangered	14	9	5	1	44	16	20	109
Endangered	25	24	9	11	69	4	28	170
Vulnerable	38	50	17	7	71	24	40	247
Other categories								
Data Deficient	48	32	70	25	235	19	3	432
Regionally Extinct	2	2						4
Near threatened	12	20	16	8	71	34	2	163
Least Concern	187	19	54	33			3	296
Not applicable	3		3	5				11

REDLISTING PROCESS

Method

The IUCN Species Survival Commission prepared guidelines for the application of IUCN red list criteria at Regional and National Levels which were followed closely (IUCN 2012a). These were used as the basis for preparing national red lists for 8 taxa, namely: Mammals, Birds, Reptiles, Amphibians, Fish, Butterflies, Dragonflies, and Vascular Plants. WCS is also in the process of identifying threatened habitats for Uganda and it is hoped that this assessment will also capture sites of other threatened taxa. Taxa were selected where there was good national expertise available, and which contain suitable indicators for monitoring overall biodiversity and ecosystem health:

- plants are the basis for vegetation types and habitat structure as well as providing the primary production base of food chains for wildlife and people;
- amphibians are important indicators of the health of wetland ecosystems, and reptiles can provide an indicator of savannah integrity and both are important components in the foodchain;
- fish are important not only as openwater ecosystem health indicators but are also important for human nutrition and economy in Uganda;
- the importance of mammals and birds in modifying and maintaining ecosystems and as the basis for tourism is well known; and, lastly
- butterflies and dragonflies are used as some of the most visually accessible representatives of the invertebrate world and can act as important ecosystem health indicators (butterflies primarily of forest health and dragonflies for wetland health).

The National Biodiversity Databank, at Makerere University, provided species lists for Uganda for each taxon as the starting point for considering which species were most likely to be at risk. These lists are contained as separate spreadsheets in the Uganda Redlist Full Assessed Species files contained in Annex 1 of this report (electronic copy). The specialists built on these lists from their own data resources to provide as complete species lists for Uganda as possible.

Preliminary Meeting

An initial meeting was held on the 29th of July 2014 with the specialists for each taxonomic group, WCS, eCountability, TUOP and Total E&P to agree the process to be followed and to introduce the IUCN guidelines, training manual and criteria. The meeting report is attached as Annex 2 (electronic copy).

Compilation of Preliminary Redlists

National experts in each of the taxa (involving WCS staff, NaFIRRI staff, and Makerere University researchers) then compiled draft lists based on the information provided by the National Biodiversity Databank, existing data and the results of further biodiversity sampling carried out under this project to better understand the habitat requirements and associations of less well known species in the different taxa. Species considered to have widespread, stable and resilient populations were identified as being of “least concern” and were screened out from further assessment at this stage. Considering them in more detail would have required far more resources than were available in this project. Using the IUCN guidelines, training manual and criteria, the specialists gave an initial categorisation of the remaining potentially threatened species on the list (species of concern), based on their expert judgement and available information. Reviewers of the lists were able to provide additional information, which has been incorporated into the final Proposed Redlists as attached in Annex 1, and their queries and comments addressed.

The lead authors for the Redlists were as follows:

<i>Mammals</i>	Dr. Robert Kityo, Makerere University
<i>Birds</i>	Mr. Hamlet Mugabe, WCS
<i>Reptiles and amphibians</i>	Dr. Mathias Behangana, Makerere University
<i>Fish</i>	Dr Dismas Mbabazi, NaFIRRI
<i>Butterflies and dragonflies</i>	Dr. Perpetra Akite, Makerere University
<i>Plants</i>	Mr. Ben Kirunda, WCS

Specialist Meeting

Following initial feedback from reviewers, the lists were presented to an expert panel on the 15th of January 2015, which included a wide representation from civil society conservation groups, Makerere University staff, government department and authority staff and oil industry conservation staff. We were also lucky enough to have the participation of the Chair of the IUCN/SSC Dragonfly Specialist Group, Dr. Viola Clausnitzer, of the Senckenberg Museum of Natural History Görlitz at this meeting.

The meeting report is attached as Annex 3 (electronic copy).

Preparation of Draft Redlists

Working groups were set up at the specialist meeting and commenced the process of working through the species to add detail on the required parameters:

- Correct current taxonomy (Family, order, genus, species and author)
- Global redlist status if assessed
- National proposed status
- Range (or location records) in Uganda
- Percentage of global population in Uganda (or global range where % unknown)
- Whether the species has a visiting a breeding population in Uganda
- Whether there is cause of uplisting or downlisting the status (in accordance with IUCN guidelines)
- Whether there are known threats to this species
- The status of the species and whether it is known to be declining
- Current and proposed conservation measures for the species.

The working groups were constituted, largely of Ugandan taxonomic specialists and WCS ecologists, as follows:

<i>Mammals</i>	Dr Robert Kityo, Tutillo Mudumba, Sarah Prinsloo, Dr Andrew Plumptre, Waswa Sadic
<i>Birds</i>	Hamlet Mugabe, Professor Derek Pomeroy, Roger Skeen, Dr Achilles Byaruhanga, Richard Ssemmanda, Sarah Prinsloo, Dr Andrew Plumptre
<i>Amphibians and Reptiles:</i>	Dr Mathias Behangana, Sarah Prinsloo, Samuel Ayebare and Robert Ssekisambu
<i>Fish</i>	Dr Dismas Mbabazi, Sarah Prinsloo
<i>Butterflies:</i>	Dr Perpetra Akite, Sarah Prinsloo, Esther Toloa
<i>Dragonflies:</i>	Dr Viola Clausnitzer, Dr Perpetra Akite
<i>Plants:</i>	Ben Kirunda, Dr Miguel Leal, Dr Christine Kabuye, Dr Simon Nampindo, Sarah Prinsloo, Dr Andrew Plumptre

Full notes as to the reasons for the application of criteria were required. Between January and July 2015 each working group (for birds, plants, mammals, butterflies, amphibians and reptiles) met a total of 2-4 times in order to improve the lists and ensure that the proposed categories were fully justified and supported by sufficient data, or in the absence of data, by expert opinion in

accordance with the guidance of IUCN. The dragonfly list was kindly taken forward by Dr Viola Clausnitzer. The preliminary draft national redlist for fish could not be further progressed at this stage due to the lack of available expertise, resources and data. Instead a List of Threatened Species for the Lake Albert watershed was prepared in accordance with the IUCN procedure for use in the Phase 2 Biodiversity Study for the Lake Albert Development Basin, and which can be incorporated into a national redlist for Fish in future.

These lists were then fully rechecked against all available sources of information, including the IUCN Red List of Threatened Species (IUCN 2015), as well as sources specific to each taxonomic group in question.

In September 2015, the resultant full files for each taxa were forwarded again to international experts with knowledge of biodiversity in Uganda in order to obtain as full and detailed feedback on the taxonomy, available data and records for the species as possible, as well as on the use of the IUCN criteria, to ensure that the lists are as correct and robust as possible. These preliminary draft redlists were also sent to the IUCN working group. The full list included:

Mammals: Tom Butynski, Jonathan Kingdon, Julian Kerbis Peterhans, David Mills, Badru Mugerwa, Fred Wanyama;

Birds: Lincoln Fishpool, Leon Bennun, Jeremy Lindsell, Malcolm Wilson;

Amphibians and reptiles: Eli Greenbaum, Michele Menegon, Simon Loader, Kim Howell, David Blackburn, Thomas Doherty-Bone, Elena Garollo;

Butterflies and dragonflies: Viola Clausnitzer, KD Dijkstra, Tim Davenport.

Vascular Plants: Quentin Luke, Roy Gereau, Axel Poulsen, Eberhard Fisher, Corneille Ewango, James Kalema;

The authors recognise that the lists as attached herein are only as good as the knowledge that was available to the group at the time of this study and with further data coming to light, or future studies taking place, the proposed redlists should be updated as often as feasible. Ongoing consultation will take place with relevant institutions in order to ensure that this takes place with key Ugandan Institutions taking the lead in the process.

Presentation Meeting

A meeting was held on Tuesday the 3rd November 2015 in order to present the draft proposed lists to relevant stakeholders, particularly within the relevant government ministries and authorities, academic authorities on biodiversity, and conservation organisations involved in research. The Ugandan Government was represented by officers from the National Environmental Management Authority, the Ugandan Wildlife Authority, the National Forest Authority, Ministry of Water and Environment, Ministry of Tourism and Antiquities (Wildlife Department) and the Ministry of Energy and Minerals (Petroleum Department). Academia was represented by scientists from Makerere University, NaFIRRI (Fisheries Research Institution) and the Uganda National Council for Science and Technology, whilst conservation organisations were represented by WCS and Nature Uganda who are both actively involved in collection of biodiversity data. The meeting report is attached as Annex 4 (electronic copy).

NATIONAL REDLISTS FOR UGANDA

This section presents extract lists from the full assessed species files for each taxa, according to their proposed threat category and should be read in conjunction with the full Redlist files contained in Annex 1 of this report (electronic copy); with the IUCN Red List Categories (IUCN 2012b) and the Guidelines for Application of IUCN Red List Criteria at Regional Levels (IUCN 2012a) which are contained in Annex 5 and 6 of this report (electronic copy).

Species not included but which have been documented in Uganda will be either vagrants or of least concern. All species whose populations are felt to be stable, widespread and able to adapt to modified habitats have been classed as least concern and not been included in these lists. The authors would highly appreciate any information or data that would help improve the lists, or where there is evidence that a species should be ranked differently.

Terminology

Species Name and Common Name

The extract lists presented below have been organised according to threat category, but otherwise maintain the order of the full lists of assessed species which (with the exception of birds) follow alphabetically starting from Order and Family. Only the Genus and Species names are included here but full details are given in Appendix 1. The bird list meanwhile has been sorted according to the Bird Atlas order. No assessment has been made of separate sub species in this redlist process.

In all taxonomic groups there have been changes in nomenclature. Where possible authors have used the current name according to credible sources for each group. These sources are noted in the introductory section for each taxa. Where the species has been assessed at a global level the name used on the IUCN website has been adhered to unless there is more recent, credible and widely accepted nomenclature (including where full species status has been given to a former sub-species. These are detailed in the Summary Rationale for the entry.

IUCN Global Status

The current status of each species is given according to the IUCN Red List of Threatened Species (IUCN 2015). The acronyms relate to the species threat of extinction in the wild as follows:

CR	critically endangered
EN	endangered
VU	vulnerable

Species in these 3 threat categories are collectively referred to as threatened. This is supported by further categories for those species which are not currently known to be threatened or are extinct.

NT	near threatened
LC	least concern
DD	data deficient
EX	extinct
NE	not evaluated

More information on the global listing as well as the criteria under which the threat category has been assigned can be found by visiting www.iucnredlist.org.

National Threat Status

The national status is applied in accordance with the IUCN guidelines (contained in annex 5 and 6 of the electronic copy of this report) and the acronyms used at a national level differ slightly from the global categories, with the addition of:

NA not applicable, ie the species is not relevant to the Ugandan context and cannot be nationally assessed (usually because the species is thought to be a vagrant or not in fact present).

RE the species is regionally extinct in the wild.

The category is followed by the criteria used in the assessment. A summary of the criteria is provided here and for full details refer to the Guidelines for Application of IUCN Red List Criteria (IUCN 2012b).

- Criteria A: Population size reduction – the rate of decline of the species can be estimated over time (and may be used in cases where the population size is not known).
- Criteria B The geographic range of the species is limited and the species is known to be declining
- Criteria C Small population size and evidence of decline can be used where an estimate of population size can be made.
- Criteria D Used for very small or restricted populations
- Criteria E Can only be used where a quantitative analysis has been made. No quantitative analysis have been available for Uganda and criteria E has not been used in this assessment.

Sites

This section lists the sites or areas where the species may be found within Uganda. In many cases these locations refer to Protected Areas, for two reasons:

- (i) More surveywork has taken place within the Protected Areas and outside this studies have tended to be very limited (with the exception of birds, for which there is more available information throughout the country).
- (ii) There is little remaining natural habitat outside of the Protected Areas and many of the threatened species are not found in human-modified habitats.

Otherwise the location name may refer to regions, districts or parishes in as much detail as these are known using data from a credible source (e.g. researchers and specialists in the taxa, conservation organisations with known expertise in the taxa). In some cases a region may be cited where the exact location of a record is not known and so it should not be assumed that the species is found throughout the area.

In some cases historical records refer to names of locations which have since been renamed. These original names have been kept as they illustrate the historical nature of the record, with the current place names in brackets. However it should be noted that the boundaries of the current location may be different. The most common references are:

- Entebbe no forests remain
- Bwamba Valley now Semliki Forest Reserve although the boundaries would have included a much larger area now settled
- Jinja Municipality original forests are cleared and settled except Mabira Forest Reserve.

A number of species are listed with unknown sites. This occurs where literature states that it has been found in Uganda by a plausible source or where there is a specimen of the species from Uganda, but without a location being noted.

Endemic - Uganda

This term refers to species which are 'endemic' to a country or specific area, i.e. not found anywhere else in the world outside the country or specified area. These species also tend to be associated with areas of high biodiversity importance generally. This raises the profile of the species significantly as if driven to extinction here, then it will automatically become globally extinct. In addition to species that are cited as 'endemic', ie only known from within Uganda, species that may be from a confined area on the border with another country are also noted as follows:

Endemic	Species only found within Uganda. May also be listed as 'near endemic', i.e. more than 80% of the global population is likely to be within Uganda, or 'potential endemic' i.e. literature states that whilst it may occur outside Uganda no records have been found and so it can be treated as an endemic pending new records.
Albertine Rift Endemic	Species only found within the Albertine Graben or Rift system (lowland savannah to highland forests). These species occur only in Uganda, DRC, Rwanda Burundi, and Tanzania. A number of these species are in fact confined entirely to the Rwenzori Mountains in DRC and Uganda.
Mt Elgon Endemic	Species only found on the Mt Elgon massif, and are thus only present in a very small area of Uganda and Kenya
Sango Bay/Minziro Endemic	Species only known from the forests of the Lake Victoria Basin from the south-west of Uganda and the North-west of Tanzania (most of the Sango Bay forests are now cleared).
Restricted range	not endemic to an ecologically or geographically defined area, but are believed to have a limited area of occurrence. This terminology is used by IFC to note where national populations may form a significant proportion of the global extent of occurrence of the species and is normally defined as less than 20,000km ² in total area (IFC 2012)

Not all endemic species are included here as many are listed as Least Concern in view of their current status, numbers and wide distribution and adaptability and thus are not considered at risk of extinction. They are however included in most accounts of important biodiversity in an area and can be found in the species lists in Annex 1 (electronic copy).

Mammal Redlist

Dr. Robert Kityo from Makerere University is the lead specialist for the Mammal Redlist. An initial list of mammal species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank, mostly comprising of the medium and large mammals and Dr Kityo added to this species list, particularly within his speciality of small mammals, from his own records for Uganda and from literature and other data sources, whilst Dr. Julian Peterhans Kerbis provided additional shrew species. All species that Dr Kityo initially considered to be potentially threatened were noted for further consideration. Additional information was provided from the WCS surveys database. The working group refined the list in 2 subsequent meetings following the group's constitution on the 15th January (26.02.15, 29.04.15).

The working group and authors of the final Proposed List of Threatened Mammals consisted of:

Dr Robert Kityo kityrob@gmail.com;
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The draft mammal list was circulated in September 2015 and the reviewers were:

Dr Andrew Plumptre aplumptre@wcs.org
Dr Julian Peterhans Kerbis jkerbis@fieldmuseum.org;
David R. Mills africanleopard@gmail.com;
Badru Mugerwa mugerwa@itfc.org;
Fred Wanyama fred.wanyama@ugandawildlife.org;
Dr Tom Butynski TButynski@aol.com

The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (IUCN 2015). Data and species record information were obtained from the personal records of the authors and reviewers, from the WCS database and from reported records from literature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. Two species were considered not applicable for consideration as they are believed to be possible misidentifications of species not occurring in Uganda. These species are included in the full lists contained in Annex 1 of this report (electronic copy).

The mammal lists were then subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016), undertaken on behalf of TUOP and UWA, encompassing Murchison Falls National Park to the Kabwoya Wildlife Reserve, and including the medium altitude forests at the top of the Graben escarpments; thus comprising the northern part of the Murchison Semliki Landscape. This survey added distribution records for small mammals, large mammals and medium mammals.

The resulting National Redlist of Mammals for Uganda are reproduced in the following tables (Tables 2-3) showing:

- (i) threatened species, from Critically Endangered to endangered and vulnerable, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. This list potentially contains some extremely at risk (possibly regionally extinct) species and so it is advised that every effort is put into obtaining information on these species, by targeted survey of the likely habitats and areas where they might be expected to occur. The list also includes species marked RE, which are extinct.

Conservation authorities and managers are advised to keep near threatened mammal species under review as they can become threatened rapidly in the face of further habitat degradation. These include some iconic mammal species that are listed as more threatened on the global redlist. Although they appear to be relatively less threatened in Uganda, this implies that this is an important population for global conservation efforts.

The full species lists can be found in Annex 1.

Table 2: Threatened Mammal Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
1	Hippotragus equinus	Roan Antelope	LC	CR C1+2a(ii)	Pian Upe	NO
2	Tragelaphus strepsiceros	Greater Kudu	LC	CR C1+2a(i); D	Kidepo Valley National Park, Eastern Karamoja	NO
3	Tragelaphus imberbis	Lesser Kudu	NT	CR C1+2a(i); D	Kidepo Valley National Park, Eastern Karamoja	NO
4	Tragelaphus sylvestris	Ssesse Island Sitatunga	NE	CR B1ab(v)	Ssesse Islands (Nkosi Island only)	POTENTIAL ENDEMIC
5	Lycaon pictus	Hunting Dog	EN	CR D	Pian Upe Wildlife Reserve and possibly Karamoja to Kidepo Valley National Park	NO
6	Acinonyx jubatus	Cheetah	VU	CR C1+2a(i); D	Kidepo Valley National Park, Pian Upe Wildlife Reserve, Matheniko-Bokora Wildlife Reserve	NO
7	Panthera leo	Lion	VU	CR C1+2a(i)	Queen Elizabeth National Park, Murchison Falls National Park, Kidepo Valley National Park (very small numbers also in Toro-Semliki WR)	NO
8	Crocuta crocuta	Spotted Hyaena	LC	CR C1	Queen Elizabeth National Park, Murchison Falls National Park, Lake Mburo National Park, Kidepo Valley National Park, Pian Upe Wildlife Reserve	NO
9	Hyaena hyaena	Striped Hyaena	NT	CR C2a(i,ii)	Kidepo Valley National Park	NO
10	Triaenops persicus	Persian Trident Bat	LC	CR B2ab(ii,iii,iv)	Moyo District	NO
11	Neoromicia helios	Savanna Pipistrelle, Samburu Pipistrelle	DD	CR B2ab(iii)	Hoima District (Buhamba), corridor wetlands between Wambabya and Budongo Forest Reserves	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
12	<i>Loxodonta africana</i>	African Elephant	VU	CR A4a	Murchison Falls National Park, Queen Elizabeth National Park, Kibale National Park, Kidepo Valley National Park, Bwindi Impenetrable National Park, Semuliki National Park, Toro-Semliki Wildlife Reserve	NO
13	<i>Delanymys brooksi</i>	Delany's Mouse	VU	CR B1ab(ii,iii,v)	South Western, known from Echuya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
14	<i>Pelomys isseli</i>	Lake Victoria Rat, Issel's Groove-toothed Swamp Rat	DD	CR B1ab(ii,iii,iv)	Ssesse and Koome Islands	ENDEMIC
15	<i>Aepyceros melampus</i>	Impala	LC	EN B2b(i,ii,iii,iv)	Lake Mburo National Park, surrounding rangeland in Nyabushozi and Kazo counties	NO
16	<i>Cephalophus rubidus</i>	Rwenzori Duiker	EN	EN B1ab(iii); C2a(ii)	Rwenzori Mt National Park	ENDEMIC
17	<i>Neotragus batesi</i>	Pygmy Antelope	LC	EN B2ab(iii)	Semliki National Park, Maramagambo Forest Reserve	NO
18	<i>Redunca fulvorufula</i>	Mountain Reedbuck	LC	EN C1+2a(i)	Mt Moroto National Park, Karamoja sub-region (Napak, Aleklek)	NO
19	<i>Redunca redunca</i>	Bohor Reedbuck	LC	EN C1	Queen Elizabeth National Park, Murchison Falls National Park, Kidepo Valley National Park	NO
20	<i>Taurotragus oryx</i>	Common Eland	LC	EN C2b	Lake Mburo National Park, Kidepo Valley National Park, Pian Upe Wildlife Reserve	NO
21	<i>Giraffa rothschildi</i>	Rothschild's Giraffe	EN	EN B1ac(iv)	Murchison Falls National Park, Kidepo Valley National Park	NO
22	<i>Hylochoerus meinertzhageni</i>	Giant Forest Hog	LC	EN B1ab(iii)	Queen Elizabeth National Park, Kibale National Park	NO
23	<i>Otocyon megalotis</i>	Bat-eared Fox	LC	EN C2a(i)	Matheniko Wildlife Reserve, possibly Kidepo Valley National Park	NO
24	<i>Caracal aurata</i>	African Golden Cat	VU	EN A2b	Bwindi Impenetrable National Park, Kibale National Park, Mgahinga National Park, Kasyoha Kitomi Forest Reserve, Maramagambo Forest Reserve, Echuya Forest Reserve	NO
25	<i>Hydricteis maculicollis</i>	African Spot-necked Otter	NT	EN C1	Widespread	NO
26	<i>Crociodura selina</i>	Ugandan Forest Musk Shrew, Ugandan Lowland Shrew	DD	EN B2ab(iii)	Mabira Forest Reserve (type locality), Zika Forest Reserve, Mpigi Forest (including Mpanga), Kapaapi Parish, Hoima District	ENDEMIC
27	<i>Myosorex blarina</i>	Rwenzori Mouse-shrew, Montane Mouse-shrew	EN	EN B1ab(v)	Rwenzori Mt. National Park	(ALBERTINE RIFT ENDEMIC)
28	<i>Casinycotis argyris</i>	Short-palated Fruit Bat	LC	EN B1+2ab(iii,iv)	Mabira Forest Reserve	NO
29	<i>Hipposideros fuliginosus</i>	Sooty roundleaf Bat	LC	EN B1+2ab(iii)	Kalinzu Forest Reserve	NO
30	<i>Mops congicus</i>	Congo Free-tailed Bat, Medje Mops Bat	LC	EN B2ab(iii)	Budongo Forest Reserve	NO
31	<i>Mops trevori</i>	Trevor's Free-tailed Bat	DD	EN B2b(iii)c(ii)	Semuliki National Park, Budongo Forest Reserve, Wakiso District (Bussu)	NO
32	<i>Laephotis wintoni</i>	De Winton's Long-eared Bat	LC	EN B1ab(iii)	Karamoja Sub-region (Nakiloro)	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
33	Phataginus tetradactyla	Long-tailed Pangolin, Black-bellied Pangolin	VU	EN B2ab(iii,v)	Semuliki National Park	NO
34	Procolobus tephrosceles	Uganda Bay Colobus	EN	EN B1ab(iii)	Kibale National Park	NO (RESTRICTED RANGE)
35	Gorilla gorilla	Mountain Gorilla	EN	EN D	Mgahinga Gorilla National Park, Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
36	Pan troglodytes	Common Chimpanzee	EN	EN A4c	Found in nearly all Albertine Rift forest (except Echuya)	NO
37	Otomys barbouri	Barbour's Vlei Rat	EN	EN B1+2ab(iii)c(ii,iv)	Mt. Elgon National Park	(MT ELGON ENDEMIC)
38	Dasymys montanus	Montane Marsh Rat, Montane Shaggy Rat	EN	EN B1ab(iii)	Rwenzori Mt National Park	ENDEMIC
39	Praomys degraaffi	De Graaff's Praomys	VU	EN B2ab(iii)	Bwindi Impenetrable National Park, Echuya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
40	Cephalophus nigrifrons	Black-fronted Duiker	LC	VU B2ab(iii)	Bwindi Impenetrable National Park, Mgahinga National Park, Rwenzori Mt National Park, Kasyoha-Kitomi Forest Reserve	NO
41	Oreotragus oreotragus	Klipspringer	LC	VU B2ab(iii)	Lake Mburo National Park, Karamoja Sub-region, including Kidepo Valley National Park	NO
42	Tragelaphus spekii	Sitatunga	LC	VU B1b(i)c(i)	Widespread	NO
43	Hippopotamus amphibius	Hippopotamus	VU	VU B2b(iii)c(iv)	Widespread though only concentrated in Queen Elizabeth National Park and Murchison Falls National Park	NO
44	Panthera pardus	Leopard	NT	VU C1+2(i)	WIDE SPREAD throughout Uganda	NO
45	Crossarchus alexandri	Alexander's Cusimanse	LC	VU B2ab(iii)	Mt Elgon National Park, Kibale National Park, Budongo Forest Reserve	NO
46	Aonyx capensis	African Clawless Otter	NT	VU B2ab(iv)	Lake Mburo National Park, Queen Elizabeth National Park	NO
47	Crocidura maurisca	Northern Swamp Musk Shrew, Gracile Naked-tailed Shrew, Dark Shrew	LC	VU D2	Bwindi Impenetrable National Park (Mubwindi and Ngoto Swamps), Echuya Forest Reserve, Entebbe Municipality	(ALBERTINE RIFT ENDEMIC)
48	Crocidura niobe	Ruwenzori Musk Shrew, Niobe's Shrew	NT	VU D2	Rwenzori National Park, Mgahinga National Park (Mhavura Peak), Bwindi Impenetrable National Park (Itama River)	(ALBERTINE RIFT ENDEMIC)
49	Paracrocidura maxima	East African Montane Shrew, Greater Large-headed Shrew	NT	VU B2ab(i,ii)	Bwindi Impenetrable National Park, Rwenzori Mt National Park	(ALBERTINE RIFT ENDEMIC)
50	Ruwenzorisorex suncoides	Osgood's Montane Shrew, Rwenzori Shrew	VU	VU D2	Rwenzori Mt National Park, possibly Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
51	Sylvisorex lunaris	Long-tailed Forest Shrew, Moon Forest Shrew	VU	VU B2ab(iii); D2	Rwenzori Mt National Park, Bwindi Impenetrable National Park, Mgahinga National Park	(ALBERTINE RIFT ENDEMIC)

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
52	<i>Sylvisorex vulcanorum</i>	Dwarf Forest Shrew, Vulcano Shrew	NT	VU D2	Rwenzori National Park, Mgahinga National Park	(ALBERTINE RIFT ENDEMIC)
53	<i>Micropotamogale ruwenzorii</i>	Ruwenzori Otter Shrew	NT	VU D2	Rwenzori Mt National Park	(ALBERTINE RIFT ENDEMIC)
54	<i>Poelagus marjorita</i>	Central African Grass Rabbit, Bunyoro Rabbit	LC	VU B1ab(i,ii)	Western Region (Bunyoro= Buliisa, Hoima, Kibaale, Masindi, Kiryandongo Districts)	NO
55	<i>Taphozous perforatus</i>	Egyptian Tomb Bat	LC	VU D2	Tororo District, Moroto District (Aleklek)	NO
56	<i>Hipposideros abae</i>	Aba Leaf-nosed Bat, Aba Roundleaf Bat	LC	VU D2	Semuliki National Park, Kalinzu Forest Reserve	NO
57	<i>Hipposideros cyclops</i>	Cyclops Leaf-nosed Bat, Cyclops Round-leaf Bat	LC	VU C1	Kibale National Park, Semuliki National Park, Mabira Forest Reserve, Kalinzu-Maramagambo Forest Reserve, Budongo Forest Reserve	NO
58	<i>Chaerephon aloysiisabaudiae</i>	Duke of Abruzzi's Free-tailed Bat	LC	VU D2	Rwenzori Mt National Park, Budongo Forest Reserve, Kabarole District (Toro)	NO
59	<i>Mops brachypterus</i>	Peter's Free-tailed Bat, Sierra Leone Mops Bat	LC	VU B2ab(iii); D2	Budongo Forest Reserve, Bugala Islands	NO
60	<i>Mops demonstrator</i>	Mongalla Free-tailed Bat, Mongalia Mops Bat	LC	VU D2	Gulu District, Moyo District, Wambabya Forest Reserve	NO
61	<i>Mops midas</i>	Midas' Giant Free-tailed Bat, Midas Mops Bat	LC	VU D2	Budongo Forest Reserve, Wakiso District (Buddo)	NO
62	<i>Otomops martiensseni</i>	Martienssen's Free-tailed Bat, Large-eared Free-tailed Bat	NT	VU B2ab(iii)	Bwindi Impenetrable National Park (Ruhija), Budongo Forest Reserve	NO
63	<i>Scotophilus leucogaster</i>	Northern Lesser House Bat, White-bellied Yellow Bat	LC	VU D2	Mt Kei Forest Reserve, Zoka Forest Reserve	NO
64	<i>Phataginus tricuspis</i>	Tree Pangolin, White-bellied Pangolin	VU	VU A2d	Bwindi Impenetrable National Park, Queen Elizabeth National Park, Mabira Forest Reserve, Budongo Forest Reserve, Kibale National Park	NO
65	<i>Smutsia gigantea</i>	Giant Pangolin, Giant Ground Pangolin	VU	VU A2d	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Albert, Migadde (Gayaza District), Kibale National Park, Budongo Forest Reserve, Bugungu Wildlife Reserve	NO
66	<i>Smutsia temminckii</i>	Ground Pangolin, Temminck's Ground Pangolin	VU	VU A2d	Murchison Falls National Park, Kidepo Valley National Park	NO
67	<i>Cercopithecus neglectus</i>	De Brazza's Monkey	LC	VU D2	Semuliki National Park, Mt Elgon National Park	NO
68	<i>Colobus angolensis</i>	Angolan Colobus	LC	VU D2	Rwenzori National Park, Sango Bay forests	NO
69	<i>Lophocebus ugandai</i>	Uganda Mangabey	LC	VU A2c	Kibale National Park, Bugoma Forest Reserve, Mabira Forest Reserve, Mpanga Forest Reserve, Sango Bay Forest Reserve, Mukono District (Bujuko), Wakiso District (Bukasa)	ENDEMIC

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
70	Dendromus kivu	Rwenzori Climbing Mouse, Kivu African Climbing Mouse	LC	VU D2	Rwenzori Mt National Park	(ALBERTINE RIFT ENDEMIC)
71	Lophiomys imhausi	Crested Rat	LC	VU D2	Mt Moroto Forest Reserve	NO
72	Otomys typus	Northern Groove-toothed Rat	LC	VU D2	Rwenzori Mt National Park, Mt Elgon National Park	NO
73	Saccostomus mearnsi	East African Pouched Mouse Pouched Mouse	LC	VU D2	Karamoja Sub-region, Kapchorwa District	NO
74	Grammomys dryas	Montane Thicket Rat, Forest Thicket Rat	NT	VU D2	Rwenzori Mt National Park, Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
75	Hybomys lunaris	Rwenzori Striped Mouse	VU	VU D2	Rwenzori Mt National Park	(ALBERTINE RIFT ENDEMIC)
76	Rhabdomys pumilio	Four-striped Grass Mouse	LC	VU B1ab(iii)	Mt Elgon National Park	NO
77	Heliosciurus ruwenzorii	Montane Sun Squirrel, Rwenzori Sun Squirrel	LC	VU D2	Rwenzori Mt National Park, Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)

Table 3: Data Deficient Mammal Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
	<i>Ceratotherium simum</i>	Square-lipped/White Rhinoceros	NT	RE		NO
	<i>Diceros bicornis</i>	Black Rhinoceros	CR	RE		NO
1	<i>Cephalophus rufilatus</i>	Red-flanked Duiker	LC	DD	Bugungu Wildlife Reserve, West Nile sub-region	NO
2	<i>Potamochoerus porcus</i>	Red river Hog	LC	DD	Western Uganda	NO
3	<i>Hyemoschus aquaticus</i>	Water Chevrotain	LC	DD	Semliki National Park	NO
4	<i>Canis aureus</i>	Golden Jackal	LC	DD	Kidepo Valley National Park	NO
5	<i>Canis mesomelas</i>	Black-backed Jackal	LC	DD	Kidepo Valley National Park, Pian Upe Wildlife Reserve, may be more widely occurring in the North Eastern area	NO
6	<i>Caracal caracal</i>	Caracal	LC	DD	Kidepo Valley National Park	NO
7	<i>Felis silvestris</i>	African Wild Cat	LC	DD	Murchison Falls National Park, possibly more widespread	NO
8	<i>Bdeogale jacksoni</i>	Jackson's Mongoose	NT	DD	Murchison Falls National Park, Mt Elgon National Park	NO
9	<i>Proteles cristatus</i>	Aardwolf	LC	DD	Kidepo Valley National Park	NO
10	<i>Aonyx congica</i>	Congo Clawless Otter	NT	DD	Lake Mburo National Park, Kibale National Park	NO
11	<i>Genetta victoriae</i>	Giant Forest Genet	LC	DD	Semliki National Park, Queen Elizabeth National Park	(ALBERTINE RIFT ENDEMIC)
12	<i>Dendrohyrax dorsalis</i>	Western Tree Hyrax	LC	DD	Unknown	NO
13	<i>Crocidura ludia</i>	Dramatic Shrew, Ludia's Shrew	LC	DD	Bundibugyo District	NO
14	<i>Crocidura macarthuri</i>	Tana River Musk Shrew	LC	DD	Mt Moroto National Park	NO
15	<i>Crocidura mutesae</i>	Kampala Musk Shrew, Uganda Large-toothed Shrew	DD	DD	Kampala	NO
16	<i>Elephantulus brachyrhynchus</i>	Short-snouted Elephant Shrew, Short-snouted Sengi	LC	DD	South Western Uganda, Murchison Falls National Park, Bugungu Wildlife Reserve	NO
17	<i>Elephantulus fuscipes</i>	Dusky-footed Elephant Shrew, Dusky-footed Seng	DD	DD	Murchison Falls National Park, Luwero District, Nakasongola District	NO (RESTRICTED RANGE)
18	<i>Elephantulus rufescens</i>	Rufous Elephant Shrew, Rufous Sengi	LC	DD	Karamoja sub-region including Kidepo Valley National Park	NO
19	<i>Rhynchocyon cirnei</i>	Chequered Elephant Shrew	NT	DD	Mabira Forest Reserve, Budongo Forest Reserve	NO
20	<i>Saccolaimus peli</i>	Pel's Pouched Bat	LC	DD	Semuliki National Park, Rwenzori Mt National Park, Budongo Forest Reserve, Kampala Municipality	NO
21	<i>Taphozous nudiventris</i>	Naked-rumped Tomb Bat	LC	DD	Locations unknown	NO
22	<i>Hipposideros camerunensis</i>	Greater Cyclops Leaf-nosed Bat, Greater Roundleaf Bat	DD	DD	Semuliki National Park, Budongo Forest Reserve	NO
23	<i>Cardioderma cor</i>	Heart-nosed Bat	LC	DD	Karamoja Sub-region	NO
24	<i>Chaerephon ansorgei</i>	Ansorge's Free-tailed Bat, Ansorge's Wrinkle-lipped Bat	LC	DD	Budongo Forest Reserve, Masindi District	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
25	Chaerephon bemmeleni	Gland-tailed Free-tailed Bat, Gland-tailed Wrinkle-lipped Bat	LC	DD	Budongo Forest Reserve, Kampala Municipality	NO
26	Chaerephon chapini	Chapin's Free-tailed Bat, Long-crested Free-tailed Bat	LC	DD	Budongo Forest Reserve	NO
27	Myotis whitleyi	Bini Free-tailed Bat	LC	DD	Entebbe Municipality, Wakiso District (Bussu)	NO
28	Rhinolophus ruwenzorii	Rwenzori Horseshoe Bat	VU	DD	Rwenzori Mt National Park, Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
29	Glauconycteris argentata	Silvered Butterfly Bat	LC	DD	Bwindi Impenetrable National Park, Budongo Forest Reserve	NO
30	Glauconycteris egeria	Bibundi Butterfly Bat	DD	DD	Budongo Forest Reserve	NO
31	Glauconycteris gleni	White-winged Butterfly Bat, Glen's Wattled Bat	DD	DD	Malabigambo Forest Reserve	POTENTIAL ENDEMIC
32	Kerivoula cuprosa	Copper Woolly Bat	DD	DD	Kibale National Park, Bugoma Forest Reserve	NO
33	Miniopterus fraterculus	Lesser Long-fingered Bat	LC	DD	Busia District	NO
34	Myotis tricolor	Cape Hairy Bat, Temminck's Mouse-eared Bat	LC	DD	Sipi Falls- Chema cave	NO
35	Pipistrellus crassulus	Broad-headed Pipistrelle	LC	DD	Semuliki National Park, Budongo Forest Reserve	NO
36	Pipistrellus eisentrauti	Eisentraut's Pipistrelle	DD	DD	Kalinzu Forest Reserve, Budongo Forest Reserve	NO
37	Scotoecus albofuscus	Light-winged Lesser House Bat	DD	DD	Moyo District	NO
38	Galago matschiei	Matschie's Galago, Spectacled Lesser Galago	LC	DD	Kibale National Park, Bwindi Impenetrable National Park, Mpanga Forest Reserve, possibly Budongo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
39	Galagoides thomasi	Thomas's Galago	LC	DD	Bwindi Impenetrable National Park, Kibale National Park, Budongo Forest Reserve, Murchison Falls National Park	NO
40	Gerbilliscus leucogaster	Savanna Woodland Gerbil	LC	DD	Unknown	NO
41	Gerbilliscus robustus	Fringe-tailed Gerbil	LC	DD	Unknown	NO
42	Grammomys ibeanus	Osgood's Thicket Rat, Ruwenzori Thicket Rat	LC	DD	Mt Elgon National Park, possibly Mt Otzi Forest Reserve	NO
43	Grammomys macmillani	Macmillan's Thicket Rat	LC	DD	Possibly extends into Northern Uganda	NO
44	Mus mahomet	Ethiopian Pygmy Mouse, Mahomet Mouse	LC	DD	Unknown	NO
45	Mus setulosus	Peters' Pygmy Mouse	LC	DD	Unknown	NO
46	Mus sorella	Mount Elgon Pygmy Mouse	LC	DD	Unknown	NO
47	Pelomys fallax	Common Creek Rat, Creek Groove-toothed Swamp Rat	LC	DD	Ankole Sub-region, Kigezi District	NO
48	Thamnomys venustus	Montane Forest Rat, Charming Thicket Rat	VU	DD	Rwenzori Mt National Park, Kigezi District	(ALBERTINE RIFT ENDEMIC)

Bird Redlist

Hamlet Mugabe, an ornithologist who has made surveys throughout Uganda for WCS, was the lead specialist for compiling the Bird Redlist. The initial list of bird species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank and Mr Mugabe added to this species list from all WCS records for Uganda and from literature. All species that he initially considered to be potentially threatened were noted for further consideration and supporting information recorded from the WCS survey databank.

Nature Uganda (represented by Achilles Byaruhanga and Roger Skeen) then took the lead in further refining the draft redlists, including information from targeted surveywork in specific species, and Important Bird Areas (IBA's) and Professor Pomeroy of Makerere University added additional records, guidance and literature sources. The working group refined the list in 2 subsequent meetings following the groups constitution on the 15th January (26.02.15, 14.04.15) and through follow-up emails containing further reference information.

The working group and authors of the final Proposed List of Threatened Birds consisted of:

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The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (IUCN 2015) and with the Species Factsheets of Birdlife International (2015). Data and species record information were obtained from the personal records of the authors and reviewers, from the WCS surveys database, from Nature Uganda and from reported records from literature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report (electronic copy).

The resulting National Redlist of Birds for Uganda are reproduced in the following tables (Tables 4-5) showing:

- (i) threatened species, arranged from Critically Endangered (highest threat level), to Endangered and Vulnerable, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. This list potentially contains some extremely at risk (possibly regionally extinct) species and so it is advised that every effort is put into obtaining information on these species, by targeted survey of the likely habitats and areas where they might be expected to occur. The list also includes species marked RE which are most likely already extinct in the wild in Uganda.

Near threatened species have not been included here, however conservation authorities and managers are advised to keep these species under review as they can become threatened rapidly in the face of habitat degradation. The full species list can be found in Annex 1.

Table 4: Threatened Bird Species

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	Great Crested Grebe	Podiceps	cristatus	LC	CR D	Crater Lakes, Kabarole District	NO
2	Lammergeyer	Gypaetus	barbatus	NT	CR C1	Kidepo Valley National Park	NO
3	Egyptian Vulture	Neophron	percnopterus	EN	CR C1	Queen Elizabeth National Park, Lake Mburo National Park, Pian Upe Wildlife Reserve, Kidepo Valley National Park, Karamoja sub-region (Mt Elgon)	NO
4	Lappet-faced Vulture	Torgos	tracheliotus	EN	CR C1	Queen Elizabeth National Park, Lake Mburo National Park, Murchison Falls National Park, Semliki Wildlife Reserve	NO
5	White-headed Vulture	Trigonoceps	occipitalis	CR	CR C1	Kidepo Valley National Park, Lake Mburo National Park, Queen Elizabeth National Park, Semliki Wildlife Reserve, Murchison Falls National Park	NO
6	Pallid Harrier	Circus	macrourus	NT	CR C1+2a(i)	Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, West Nile Region, Murchison Falls National Park, Kidepo Valley National Park and elsewhere in Karamoja sub-region	NO
7	Black-crowned Crane	Balearica	pavonina	VU	CR C1	West Nile Region	NO
8	Denham's Bustard	Neotis	denhami	NT	CR D	Murchison Falls National Park	NO
9	White-bellied Robin Chat	Cossyphicula	roberti	LC	CR B1ab(v)	Bwindi Impenetrable National Park	NO
10	Common Ostrich	Struthio	camelus	LC	EN C1	Karamoja sub-region	NO
11	White-backed Night-heron	Gorsachius	leuconotus	LC	EN C2a(i)	Queen Elizabeth National Park, Lake Mburo National Park, Semliki Wildlife Reserve, River Nile, Lake Victoria	NO
12	Madagascar Pond-heron, Madagascar Squacco Heron	Ardeola	idae	EN	EN D	Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, Lake Kyoga	NO
13	Black Stork	Ciconia	nigra	LC	EN C2a(i)	Albertine Rift Valley	NO
14	Shoebill	Balaeniceps	rex	VU	EN D	Lake Victoria, Lake Albert, Lake Kyoga, River Nile, Queen Elizabeth National Park, Lake Mburo National Park, Murchison Falls National Park	NO
15	Olive ibis, African Green Ibis	Bostrychia	olivacea	LC	EN D	Semliki Valley (Bwamba Lowlands)	NO
16	African Black Duck	Anas	sparsa	LC	EN D	Rwenzori Mountains National Park, Bwindi Impenetrable National Park	NO
17	Hooded Vulture	Necrosyrtes	monachus	CR	EN C1	Throughout Uganda	NO
18	African White-backed Vulture	Gyps	africanus	CR	EN C1	Significant populations in Queen Elizabeth National Park, Murchison Falls National Park	NO
19	Ruppell's Griffon Vulture	Gyps	rueppelli	CR	EN C1	Queen Elizabeth National Park, Murchison Falls National park, Lake Mburo National Park	NO

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
20	African Crowned Eagle	Stephanoaetus	coronatus	NT	EN C2a(i)	Budongo Forest Reserve, Bugoma Forest Reserve, Kibale Forest Reserve, Bwindi Impenetrable National Park, Rwenzori Mountains National Park, Lake Victoria, Bwamba (historical record, Semliki National Park), Maramagambo Forest Reserve	NO
21	Fox Kestrel	Falco	alopex	LC	EN (C2a(i))	Murchison Falls National Park, Kidepo Valley National Park, Karamoja sub-region, West Nile Region	NO
22	Black-rumped Button Quail	Turnix	nanus	LC	EN B1ab(iii,v)	Queen Elizabeth National Park (Ishasha sector), Kabwoya Wildlife Reserve, Murchison Falls National Park, Lake Victoria, Lake Albert, Karamoja sub-region, Mt Elgon National Park.	NO
23	Grey Crowned Crane	Balearica	regulorum	EN	EN A2b	Widespread in moist non-forest areas	NO
24	Hartlaub's Bustard	Eupodotis	hartlaubii	LC	EN C2a(i)	Kidepo Valley National Park, South Karamoja	NO
25	Pel's Fishing Owl	Scotopelia	pele	LC	EN D2	Murchison Falls National Park, Ajai Wildlife Reserve, Semliki Wildlife Reserve	NO
26	Hemprich's Hornbill	Tockus	hemprichii	LC	EN B2ab(iii)	Karamoja sub-region (Mt Moroto)	NO
27	Dwarf Honeyguide	Indicator	pumilio	NT	EN D	Bwindi Impenetrable National Park	NO
28	African Green Broadbill	Pseudocalyptomena	graueri	VU	EN D	Bwindi Impenetrable National Park (Ruhiza)	NEAR ENDEMIC
29	Blue Swallow	Hirundo	atrocaerulea	VU	EN C2a	Lake Victoria, Tororo District, Kidepo Valley National Park (Napori Hills), Maramagambo Forest Reserve, Queen Elizabeth National Park	NO
30	Karamoja Apalis	Apalis	karamojae	VU	EN C2a(i)	Karamoja sub-region, Kidepo Valley National Park	NO
31	Chapin's Flycatcher	Muscicapa	lendu	VU	EN C2a(i)	Bwindi Impenetrable National Park	NO
32	Fox's Weaver	Ploceus	spekeoides	NT	EN B2ab(iii,v)	Lake Kyoga system, including Getome Swamp, Lake Bisina IBA, Lake Ometa IBA	ENDEMIC
33	Shelley's Crimson-wing	Cryptospiza	shelleyi	VU	EN D	Rwenzori Mountains National Park, Bwindi Impenetrable National Park	NO
34	African Darter	Anhinga	rufa	LC	VU C1	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, Lake Bunyonyi, Kagera River, West Nile region	NO
35	Rufous-bellied Heron	Ardeola	rufiventris	LC	VU C2a(i)	Lake Mburo National Park, Lake Victoria, Lake Ometa IBA	NO
36	Black Heron, Black Egret	Egretta	ardesiaca	LC	VU C2b	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, Lake Kyoga	NO
37	Goliath Heron	Ardea	goliath	LC	VU D1	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, West Nile region	NO
38	African Woollyneck, Woolly-necked Stork	Ciconia	microscelis	VU	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, Lake Kyoga, West Nile region	NO

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
39	Saddle-billed Stork	Ephippiorhynchus	senegalensis	LC	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Albert, West Nile	NO
40	Spot-breasted Ibis	Bostrychia	rara	LC	VU D1	Semliki National Park (Ntandi hotspings area)	NO
41	Lesser Flamingo	Phoeniconaias	minor	NT	VU B2ac(iii,iv)	Queen Elizabeth National Park (Katwe Salt Lakes)	NO
42	White-backed Duck	Thalassornis	leuconotus	LC	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria, Lake Kyoga, Lake Opeta IBA, Lake Bisina IBA	NO
43	Ovambo Sparrowhawk	Accipiter	ovampensis	LC	VU D1	Kabarole District (vicinity of Kibale National Park), Lake Victoria (Port Bell), West Nile region	NO
44	Mountain Buzzard	Buteo	oreophilus	NT	VU D1	Bwindi Impenetrable National Park, Rwenzori Mt National Park, Mt Elgon National Park, Mgahinga National Park	NO
45	Ayres's Hawk Eagle	Hieraetus	aynesii	LC	VU D1	Bwindi Impenetrable National Park (at lower altitudes), Kibale National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Lake Victoria, Karamoja sub-region, Mt Elgon National Park	NO
46	Secretary Bird	Sagittarius	serpentarius	VU	VU D1	Queen Elizabeth National Park, Murchison Falls National Park, Kidepo Valley National Park	NO
47	Lesser Kestrel	Falco	naumanni	LC	VU D1	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Kidepo Valley National Park, Lake Kyoga, Lake Opeta IBA	NO
48	Ring-necked Francolin	Francolinus	streptophorus	NT	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Kidepo Valley National Park, Kabwoya Wildlife Reserve, West Nile region	NO
49	Elgon Francolin, Moorland Francolin	Scleroptila	elgonensis	NT	VU D1	Mt Elgon National Park	NO
50	Nahan's Francolin	Ptilopachus	nahani	EN	VU B2ab(iii)	Budongo Forest Reserve, Bugoma Forest Reserve, Mabira Forest Reserve	NO
51	Handsome Francolin	Francolinus	nobilis	LC	VU B2ab(v)	Rwenzori Mt National Park, Bwindi Impenetrable National Park	NO
52	African Finfoot	Podica	senegalensis	LC	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Lake Mburo National Park, Semliki River, Lake Albert	NO
53	Rock Pratincole	Glareola	nuchalis	LC	VU C2a(i)	Murchison Falls National Park, Lake Victoria (north shore), Victoria Nile, Lake Albert (southern shores), West Nile region	NO
54	Brown-chested Lapwing	Vanellus	superciliosus	LC	VU D1	Queen Elizabeth National Park, Lake Mburo National Park, Lake Victoria (western shores)	NO
55	Great Snipe	Gallinago	media	NT	VU C2a(i)	Murchison Falls National Park, Lake Mburo National Park, Semliki Wildlife Reserve, West Nile region, Lake Victoria, Lake Albert, Lake Kyoga	NO
56	African Skimmer	Rynchops	flavirostris	NT	VU C2a(i)	Murchison Falls National Park, Queen Elizabeth National Park, Lake Victoria, Albert Nile	NO

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
57	White-naped Pigeon	Columba	albinucha	NT	VU C2a(i)	Kibale National Park (Ngogo), Kalinzu Forest Reserve, Kasyoha-Kitomi Forest Reserve, Bwamba Valley (historical record for Semliki National Park)	NO
58	Grey Parrot	Psittacus	erithacus	VU	VU C1	Bwindi Impenetrable National Park, Mabira Forest Reserve, Maramagambo Forest Reserve, Lake Victoria (including Islands), Western Forests	NO
59	Hartlaub's Turaco	Tauraco	hartlaubi	LC	VU B2ab(iii)	Mt Elgon National Park, Mt Moroto, Mt Morongole	NO
60	Red-chested Owlet	Glaucidium	tephronotum	LC	VU B2ab(iii)	Rwenzori Mt National Park, Bwindi Impenetrable National Park, Kalinzu Forest Reserve, Budongo Forest Reserve	NO
61	Marsh Owl	Asio	capensis	LC	VU D1	Murchison Falls National Park, Queen Elizabeth National Park, Mt Elgon National Park (western slopes), Semliki Valley	NO
62	Shining-blue Kingfisher	Alcedo	quadribrachys	LC	VU C2a(i)	Lake Mburo National Park, Maramagambo Forest Reserve, Budongo Forest Reserve, Wambabya Forest Reserve, Bugoma Forest Reserve, Lake Victoria (environs), Lake Edward, Nile Valley, Bwamba Valley (historical record for Semliki National Park)	NO
63	Forest Scimitarbill, Forest Wood Hoopoe	Rhinopomastus	castaneiceps	LC	VU B2ab(iii)	Bwindi National Park, Mt Elgon National Park, Kibale National Park, Bugoma Forest Reserve, Maramagambo Forest Reserve, Lake Victoria (near north shore)	NO
64	Red-faced Barbet	Lybius	rubrifacies	NT	VU D1	Lake Mburo National Park, Mbarara District (Murema, Lugaga)	NO
65	Black-breasted Barbet	Pogonornis	rolleti	LC	VU D1	Murchison Falls National Park, Kidepo Valley National Park, Ajai Wildlife Reserve	NO
66	Rufous-necked Wryneck, Red-throated Wryneck	Jynx	ruficollis	LC	VU C2a(i)	West Nile region, Buhoma area adjacent to Bwindi Impenetrable National Park, Kyegegwa District, Kigezi Highlands	NO
67	Green-breasted Pitta	Pitta	reichenowi	LC	VU D1	Kibale National Park, Budongo Forest Reserve	NO
68	African Pitta	Pitta	angolensis	LC	VU C2a(i)	Kibale National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Maramagambo Forest Reserve	NO
69	Simple Greenbul	Chlorocichla	simplex	LC	VU D2	Semliki National Park	NO
70	Forest Ground Thrush, Oberlaender's Ground Thrush	Zoothera	oberlaenderi	NT	VU D2	Semliki National Park	NO
71	Grauer's Swamp-Warbler, Grauer's Rush Warbler	Bradypterus	graueri	EN	VU C1)	Muchuya wetland, Mubwindi wetland, Lake Bunyonyi	NO
72	Papyrus Yellow Warbler	Chloropeta	gracilirostris	VU	VU C1	Lake Mburo National Park, Lake Albert, Nyamuriro Swamp IBA, Lake Bunyonyi, Lake George (Muhokya Wetland), Lake Mutanda	NO
73	Yellow-bellied Wattle-eye	Dyphorophya	concreta	LC	VU B2ab(iii)	Bwindi Impenetrable National Park, Kasyoha-Kitomi Forest Reserve, Kalinzu-Maramagambo Forest Reserve	NO

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
74	Ituri Batis	Batis	ituriensis	LC	VU B2ab(iii)	Semliki National Park, Budongo Forest Reserve (Busingiro)	NO
75	Grey-chested Babbler, Grey-chested Illadopsis	Kakamega	poliothorax	LC	VU B2ab(iii)	Bwindi Impenetrable National Park, Rwenzori Mt National Park, Mt Elgon National Park, Mgahinga National Park, Echuya Forest Reserve	NO
76	Golden-winged Sunbird	Nectarinia	reichenowi	LC	VU B2ab(ii)	Mt Elgon National Park	NO
77	Red-tufted Sunbird, Scarlet-tufted Malachite Sunbird	Nectarinia	johnstoni	LC	VU B2ac(iv)	Rwenzori Mt National Park, Mgahinga National Park	NO
78	Greater Double-collared Sunbird, Rwenzori Double-collared Sunbird	Cinnyris	afer	NA	VU D2	Rwenzori Mt National Park, Mgahinga National Park, Echuya Forest Reserve	NO
79	Lagden's Bush Shrike	Malaconotus	lagdeni	NT	VU D2	Bwindi Impenetrable National Park, Rwenzori Mt. National Park	NO
80	Papyrus Gonolek	Laniarius	mufumbiri	NT	VU B1ab(iii)	Murchison Falls National Park, Queen Elizabeth National Park, Bwindi Impenetrable National Park, Lake Victoria, Lake Albert, River Nile, Semliki Valley	NO
81	Red-billed Oxpecker	Buphagus	erythrorhynchus	LC	VU C1	Murchison Falls National Park, Kidepo Valley National Park	NO
82	Marsh Widowbird, Hartlaub's Marsh Widowbird	Euplectes	hartlaubi	LC	VU C1	Lake Nabugabu and other satellite lakes in Lake Victoria Basin	NO

Table 5: Data Deficient Bird Species

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
	Black-necked Grebe	Podiceps	nigricollis	LC	RE	No known sites	NO
	Taita Falcon	Falco	fasciinucha	VU	RE	Mt Elgon National Park	NO
1	Hartlaub's Duck	Pteronetta	hartlaubii	LC	DD	Semliki National Park	NO
2	Rufous-breasted Sparrowhawk	Accipiter	rufiventris	LC	DD	Echuya Forest Reserve, Bwindi Impenetrable National Park, Karamoja (Mt Elgon), Lake Mburo National Park and vicinity, Mbuku Valley, Lake Victoria	NO
3	Greater Kestrel	Falco	rupicoloides	LC	DD	Southern Karamoja, Murchison Falls National Park	NO
4	African Blue Quail	Synoicus	adansonii	LC	DD	Queen Elizabeth National Park (Kyambura Craters), Lake Mburo National Park, Kidepo Valley National Park, West Nile Region, Lake Kyoga, Lake Victoria, Lake Opeta, Lake Bunyonyi	NO
5	Red-winged Francolin	Francolinus	levaillantii	LC	DD	Kabarole District	NO
6	Orange River Francolin, Archer's Francolin	Scleroptila	guttaralis	LC	DD	Kidepo Valley National Park, Mt Moroto	NO
7	Quail Plover	Ortyxelos	meiffreni	LC	DD	Kidepo Valley National Park	NO
8	Nkulengu Rail	Himantornis	haematopus	LC	DD	Semliki National Park	NO
9	Red-chested Flufftail	Sarothrura	rufa	LC	DD	Kisoro, Kampala, Masindi	NO
10	Corncrake	Crex	crex	NT	DD	West Nile Region, Murchison Falls National Park, Queen Elizabeth National Park, Bwindi Impenetrable National Park, Lake Mburo National Park, Lake Victoria, Lake Bunyonyi, Lake Kyoga, Karamoja sub-region (Mt Elgon)	NO
11	Baillon's Crake	Porzana	pusilla	LC	DD	Lake Bunyoni, Lake Mutanda, Queen Elizabeth National Park, Kibimba Rice Scheme IBA	NO
12	Striped Crake	Aenigmatolimnas	marginalis	LC	DD	Lake Edward, Lake Victoria, Wakiso District (Namulonge), Kibimba Rice Scheme IBA	NO
13	Brown-necked Parrot	Poicephalus	suahelicus	LC	DD	Bwindi Impenetrable National Park	NO
14	Kori Bustard	Ardeotis	kori	NT	DD	Kidepo Valley National Park	NO
15	Buff-crested Bustard	Eupodotis	gindiana	LC	DD	Karamoja sub-region	NO
16	Purple-crested Turaco	Musophaga	porphyreolophus	LC	DD	Rakai District (Kagera River)	NO
17	African Grass Owl	Tyto	capensis	LC	DD	Echuya Forest Reserve, Mbarara District, Busoga sub-region	NO
18	Fraser's Eagle Owl	Bubo	poensis	LC	DD	Semliki National Park, Bwindi Impenetrable National Park (Buhoma)	NO
19	Mottle-throated Spinetail	Telacanthura	ussheri	LC	DD	Mabira Forest Reserve, Budongo Forest Reserve, Bwamba (Historical record, Semliki National Park), Maramagambo Forest Reserve	NO
20	Cassin's Spinetail	Neafrapus	cassini	NT	DD	Budongo Forest Reserve, Bugoma Forest Reserve, Mabira Forest Reserve	NO

	COMMON NAME	GENUS	SPECIES	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
21	Scarce Swift	Schoutedenapus	myioptilus	LC	DD	Rwenzori Mountain National Park, Bwindi Impenetrable National Park (Itama River), Mt. Moroto, Kibimba Rice Scheme IBA, Moyo District (Laropi), Murchison Falls National Park, Kabale District Highlands	NO
22	African Swift, African Black Swift	Apus	barbatus	LC	DD	Queen Elizabeth National Park, Mt Moroto	NO
23	White-bellied Kingfisher	Alcedo	leucogaster	LC	DD	Semliki National Park, Queen Elizabeth National Park, Rwenzori Mountain National Park	NO
24	Crested Barbet	Trachyphonus	vaillantii	LC	DD	Lake Mburo National Park, Queen Elizabeth National Park	NO
25	Pallid Honeyguide	Indicator	meliphilus	LC	DD	Mt Moroto	NO
26	Chestnut-backed Sparrow Lark	Eremopterix	leucotis	LC	DD	Kidepo Valley National Park	NO
27	White-throated Blue Swallow	Hirundo	nigrita	LC	DD	Semliki National Park	NO
28	Pygmy Batis	Batis	perkeo	LC	DD	Kidepo Valley National Park, Mt. Moroto (1963)	NO
29	Spotted Treecreeper	Salpornis	spilonota	LC	DD	West Nile Region, Mt Elgon	NO
30	Fiery-breasted Bush Shrike	Malaconotus	cruentus	LC	DD	Semliki National Park	NO
31	Steel-blue Whydah	Vidua	hypocherina	LC	DD	Karamoja sub-region, Kidepo Valley National Park	NO
32	Straw-tailed Whydah	Vidua	fischeri	LC	DD	Karamoja sub-region, Kidepo Valley National Park	NO

Reptile Redlist

Dr Mathias Behangana of Makerere University has been the lead specialist for compiling the Reptile Redlist. The initial list of reptile species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank and Dr Behangana added to this species list from his own records and those of his associates and from literature. All species that he considered to be potentially threatened were compiled together with supporting information for further consideration by the working group who had four meetings following the group's constitution on the 15th January (24.02.15, 24.03.15, 21.04.15 and 28.04.15).

The working group and authors of the final Proposed List of Threatened Reptiles consisted of:

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The reviewers of the amphibian draft lists, circulated in November 2014 and again in September 2015, were:

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The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (2015) and data and record information were obtained from the personal records of the authors and reviewers, from the WCS surveys database and from reported records from literature. It should be noted that very few of the reptile species have been assessed at global level and there is a general deficiency of data for many species both globally and locally; thus relatively more species have been assessed as data deficient. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report. (electronic copy).

The reptile lists were then subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016), undertaken on behalf of TUOP and UWA, encompassing Murchison Falls National Park to the Kabwoya Wildlife Reserve, and including the medium altitude forests at the top of the Graben escarpments; thus comprising the northern part of the Murchison Semliki Landscape. This survey added many distribution records for this under-studied taxa.

The resulting National Redlist of Reptiles for Uganda are reproduced in the following tables (Tables 6-7) showing:

- (i) threatened species, from Critically Endangered, to Endangered and Vulnerable, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. This list potentially contains some extremely at risk and possibly regionally extinct species and conversely some under-studied species that may be common, and so it is advised that every

effort is put into obtaining information on these species, by targeted survey of the likely habitats and areas where they might be expected to occur.

There are many reptile species assessed as near threatened. These have not been included here, and could be LC with more study, however conservation authorities and managers are advised to keep these species under review as they could become threatened rapidly in the face of habitat degradation. Full species lists can be found in Annex 1.

Table 6: Threatened Reptile Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Pelusios adansonii</i>	Adanson's Hinged Terrapin	NE	CR B1ab(ii,iii)	Shores of Lake Albert, adjoining streams and wetlands	NO
2	<i>Pelusios chapini</i>	Zaire Hinged Terrapin	NE	CR B1ab(ii,iii)	Murchison Falls National Park, Kabwoya Wildlife Reserve (along Lake Albert shoreline)	NO
3	<i>Trionyx triunguis</i>	African Soft-shelled Turtle	NE	CR C2a(i,ii)+D	Shores of Lake Albert, Victoria Nile Below the falls	NO
4	<i>Crocodylus suchus</i>	West African crocodile	NE	CR B1ab(i,ii,iii,iv)	Along rivers in Kidepo Valley National Park, Easterly range limit	NO
5	<i>Heliobolus spekii</i>	Speke's Sand-lizard	NE	CR B1ab(iii)	Amudat District (Karamoja Region)	NO
6	<i>Kinyongia adolfriederici</i>	Sternfeld's Forest Chameleon, Ituri Chameleon	LC	EN B1ab(i,ii)	Kibale National Park, Bwindi Impenetrable National Park	NO
7	<i>Kinyongia carpenteri</i>	High-casqued Forest Chameleon	NT	EN B1ab(v)	Only known from Rwenzori Mountains National Park at 2000m	(ALBERTINE RIFT ENDEMIC)
8	<i>Kinyongia xenorhina</i>	Rwenzori Plate-Nosed Chameleon	NT	EN B1ab(v)	Rwenzori Mountains only both sides of border	(ALBERTINE RIFT ENDEMIC)
9	<i>Chamaeleo laevigatus</i>	Smooth Chameleon	NE	EN B1 ab(iii)	Murchison Falls National Park, Bugungu Wildlife Reserve	NO
10	<i>Trioceros ituriensis</i>	Ituri Forest Chameleon	LC	EN B1ab(iv)	Semuliki National Park, Kibale National Park	NO
11	<i>Nucras boulengeri</i>	Boulenger's Scrub-lizard/ Uganda Savannah Lizard	NE	EN B2ab(iii)	Busoga Sub-Region	NO
12	<i>Trachylepis irregularis</i>	Alpine-meadow Skink	NT	EN B2ab(iii)	Mt Elgon National Park	NO (RESTRICTED RANGE)
13	<i>Atractaspis aterrima</i>	Western Forest Stiletto-snake, mole viper, slender burrowing asp	NE	EN B2ab(iii)	Wadelai on the White Nile, Northern Uganda (Pitman)	NO
14	<i>Platyceps florulentus</i>	Flower's Racer; Flowered Snake; Geoffroy's Racer	LC	EN ab(iii)	Only known on Uganda's northern border near Nimule- East bank of River Nile (Pitman)	NO
15	<i>Cnemaspis dickersoni</i>	Dickerson's Forest Gecko	NE	VU D2	Kibale National Park, presumed Semliki National Park	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
16	Gerrhosaurus flavigularis	Yellow-throated Plated Lizard	NE	VU B1 ab(iii)	Karamoja Region	NO
17	Adolfus alleni	Alpine-meadow Lizard	NT	VU B1ab(iii)	Mt Elgon National Park	NO (RESTRICTED RANGE)
18	Holaspis guentheri	Serrate-toed Tree-lizard/ Saw-tailed lizard	NE	VU B2ab(iii)	Kibale National Park, Budongo Forest Reserve	NO
19	Leptosiaphos hackarsi	Kivu Four-toed Skink	NE	VU D2	Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
20	Leptosiaphos meleagris	Ruwenzori Four-toed Skink	VU	VU D2	Mubuku Valley in Rwenzori Mountains National Park	(ALBERTINE RIFT ENDEMIC)
21	Trachylepis brevicollis	Short-necked Skink	NE	VU B1ab(iii)	Eastern Uganda North west, west and south of Mt Elgon	NO
22	Trachylepis quinquetaeniata	Rainbow Skink, Five-lined Mabuya	NE	VU B1ab(iii)	Karuma Wildlife Reserve, Kabwoya Wildlife Reserve, Bugungu Wildlife Reserve, Murchison Falls National Park	NO
23	Varanus albigularis	Southeastern Savanna Monitor	NE	VU B1+2ab(iii)	Karamoja Region (Nakapiripit, Iriri, Amudat, Moroto, N.E Kidepo Valley National Park; Spawls et al 2006)	NO
24	Aparallactus lunulatus	Reticulated Centipede-eater; Plumbeous Centipede Eater	NE	VU D2	Semuliki National Park, Kabwoya Wildlife Reserve	NO
25	Polemon collaris	Pale-collared Snake-eater	NE	VU B2ab(iii)	Bundibugyo (possibly within Semuliki National Park) and Kibale National Park (Spawls, 2006)	NO
26	Polemon fulvicollis	African Snake-eater , Yellow-necked Snake Eater	NE	VU D2	Semuliki National Park	NO
27	Polemon gabonensis	Gaboon Snake-eater	NE	VU D2	Semuliki National Park	NO
28	Python regius	Royal Python	LC	VU B1ab(iii)	West Nile Sub-Region	NO
29	Dasypeltis fasciata	Western Forest Egg-eater	LC	VU D2	Semuliki National Park, Toro-Semliki Wildlife Reserve	NO
30	Gonionotophis capensis	Cape File-snake	LC	VU D2	Budongo Forest Reserve	NO
31	Toxicodryas blandingii	Blanding's Tree-snake	NE	VU B2ab(ii,iii,iv)	Sporadically recorded in Lake Victoria forests, Budongo Forest Reserve (Spawls et al, 2006)	NO

Table 7: Data Deficient Reptile Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Pelusios gabonensis</i>	Forest Hinged Terrapin	NE	DD	Semuliki National Park (Spawls et al. 2006)	NO
2	<i>Kinixys erosa</i>	Serrated Hinge-back Tortoise	DD	DD	Budongo Forest Reserve, possibly Bugoma Forest Reserve	NO
3	<i>Osteolaemus tetraspis</i>	Broad-snouted Crocodile	VU	DD	Kasyoha-Kitomi Forest Reserve, Toro-Semliki Wildlife Reserve, Lake George	NO
4	<i>Chamaeleo dilepis</i>	Flapneck Chameleon	LC	DD	Unknown	NO
5	<i>Rhampholeon spectrum</i>	Spectral Pygmy Chameleon, Cameroon Stumptail Chameleon	LC	DD	Unknown	NO
6	<i>Cnemaspis elgonensis</i>	Mt Elgon Forest Gecko	NE	DD	Rwenzori Mt National Park, Sipi Falls (Elgon)	NO (RESTRICTED RANGE)
7	<i>Hemidactylus platycephalus</i>	Baobab Gecko	NE	DD	Kyambura Wildlife Reserve	NO
8	<i>Hemidactylus richardsonii</i>		NE	DD	Unknown	NO
9	<i>Pachydactylus laevigatus</i>	Fischer's Thick-toed Gecko	NE	DD	Unknown	NO
10	<i>Eumecia anchietae</i>	Anchieta's Serpentine Skink	NE	DD	Unknown	NO
11	<i>Mochlus afer</i>	Peters' Writhing-skink	NE	DD	Southwest Mt Elgon National Park, Mt Kadam (Nakapiripirit District), Lake Victoria shores (Jinja), Lake Albert shores (Butiaba, Kaiso Tonya, Kabwoya, MFNP)	NO
12	<i>Trachylepis perrotetii</i>	Taita Mabuya	NE	DD	Unknown	NO
13	<i>Trachylepis varia</i>	Variable Skink	NE	DD	Uncertain	NO
14	<i>Amblyodipsas unicolor</i>	Western Purple-glossed Snake	NE	DD	West Nile sub-region, Kampala, Jinja and Masindi	NO
15	<i>Aparallactus jacksonii</i>	Jackson's Centipede-eater	NE	DD	Likely occur in Northern Acholi sub-region and Karamoja Region (Pitman)	NO
16	<i>Atractaspis irregularis</i>	Variable Stiletto Snake	LC	DD	Murchison Falls National Park, Semuliki National Park, Kibale National Park, Queen Elizabeth National Park, Budongo Forest Reserve, North western shore of Lake Victoria, Lake Kyoga, (West Madi to Wadelai- Pitman)	NO
17	<i>Atractaspis microlepidota</i>	Small-scaled Stiletto Snake	LC	DD	Northern Uganda	NO
18	<i>Micrelaps boettgeri</i>	Boettger's Two-headed Snake	NE	DD	Northern Acholi sub-region, Northern Karamoja Region (Pitman), and Amudat District (Spawls)	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
19	<i>Polemon christyi</i>	Eastern Snake-eater	NE	DD	Rwenzori Mt National Park, Lake Victoria shoreline and forests, Lake George shoreline, Lake Nabugabo, Budongo forest (Spawls et al 2006), Kabarole District	NO
20	<i>Python natalensis</i>	Southern African Python	NE	DD	Unknown	NO
21	<i>Chamaelycus fasciatus</i>		NE	DD	Semuliki National Park (Spawls et al, 2002)	NO
22	<i>Chamaelycus parkeri</i>	Parker's Banded Snake	NE	DD	Unknown	NO
23	<i>Dipsadoboa viridis</i>		NE	DD	Semuliki National Park	NO
24	<i>Dipsadoboa weileri</i>	Black-tailed Tree Snake	NE	DD	Semuliki National Park, Mabira Forest Reserve	NO
25	<i>Duberria lutrix</i>	Common Slug-eater	LC	DD	Kibale National Park, Bwindi Impenetrable National Park, Echuya Forest Reserve	NO
26	<i>Geodipsas depressiceps</i>	Western Forest Snake	NE	DD	Possibly Kibale National Park, Kalinzu Forest Reserve	NO
27	<i>Gonionotophis brussauxi</i>		NE	DD	Budongo Forest Reserve	NO
28	<i>Gonionotophis poensis</i>	Western Forest File-snake	NE	DD	Bwindi Impenetrable National Park, Mafuga Forest Reserve, Budongo Forest Reserve	NO
29	<i>Gonionotophis stenophthalmus</i>	Small-eyed File-snake	NE	DD	Semuliki National Park, Kibale National Park	NO
30	<i>Grayia smythii</i>	Smyth's African Water-snake	NE	DD	Murchison Falls National Park, Queen Elizabeth National Park	NO
31	<i>Grayia tholloni</i>	Tholloni's Water-snake	NE	DD	Murchison Falls National Park, Queen Elizabeth National Park, Kasyoha-Kitomi Forest Reserve, Kalinzu-Maramagambo Forest Reserve, Echuya Forest Reserve	NO
32	<i>Hapsidophrys lineatus</i>	Black-lined Green-snake	NE	DD	Kibale National Park, Budongo Forest Reserve	NO
33	<i>Hemirhagerrhis hildebrandtii</i>	Kenya Bark-snake	LC	DD	Unknown	NO
34	<i>Hormonotus modestus</i>	Uganda House Snake, Yellow Forest-snake	NE	DD	Budongo Forest Reserve	NO
35	<i>Lamprophis fuliginosus</i>	Common House-snake	NE	DD	Rwenzori Mountains National Park, Toro-Semliki Wildlife Reserve	NO
36	<i>Lamprophis lineatus</i>	Lined House-snake	NE	DD		NO
37	<i>Lycophidion depressirostre</i>	Flat-snouted Wolf-snake	NE	DD		NO
38	<i>Lycophidion laterale</i>	Flat Wolf Snake	NE	DD	Semuliki National Park	NO
39	<i>Meizodon regularis</i>	Dark-bellied Crowned Snake	NE	DD	Unknown	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
40	<i>Natriciteres olivacea</i>	Olive Marsh Snake	LC	DD	Murchison Falls National Park, Kibale National Park, Queen Elizabeth National Park, Bugungu Wildlife Reserve, Karuma Wildlife Reserve	NO
41	<i>Philothamnus battersbyi</i>	Battersby's Green-snake	NE	DD	Unknown	NO
42	<i>Philothamnus bequaerti</i>	Bequaert's Green-snake	NE	DD	Semuliki National Park	NO
43	<i>Philothamnus carinatus</i>	Thirteen-scaled Green-snake	NE	DD	Kibale National Park, Budongo Forest Reserve, Mafuga Forest Reserve	NO
44	<i>Philothamnus hughesi</i>	Hughes' Green-snake	NE	DD	Unknown	NO
45	<i>Philothamnus nitidus</i>	Brilliant Green-snake, Green Bush Snake	NE	DD	Murchison Falls National Park, Kibale National Park	NO
46	<i>Prosymna meleagris</i>	Speckled Shovel-snout, Ghana Shovel-snout	LC	DD	Unknown	NO
47	<i>Psammophis phillipsii</i>	Olive Grass-snake	NE	DD	Kibale National Park	NO
48	<i>Psammophis punctulatus</i>	Speckled Sand-snake	NE	DD	Unknown	NO
49	<i>Psammophis rukwae</i>	Rukwa Sand-snake	NE	DD	Unknown	NO
50	<i>Psammophis tanganicus</i>	Western Link-marked Sand-snake	NE	DD	Unknown	NO
51	<i>Psammophylax acutus</i>	Striped Beaked-snake	NE	DD	Murchison Falls National Park	NO
52	<i>Rhamphiophis oxyrhynchus</i>	Western Rufous-beaked Snake	NE	DD	Unknown	NO
53	<i>Rhamphiophis rostratus</i>	Eastern Rufous-beaked Snake	NE	DD	Unknown	NO
54	<i>Rhamphiophis rubropunctatus</i>	Red-spotted Beaked-snake	LC	DD	Unknown	NO
55	<i>Rhamnophis aethiopissa</i>	Large-eyed Green Tree Snake	NE	DD	Kibale National Park, Budongo Forest Reserve	NO
56	<i>Scaphiophis albopunctatus</i>	Grey Beaked-snake	NE	DD	Unknown	NO
57	<i>Scaphiophis raffreyi</i>	Ethiopian Beaked-snake	NE	DD	North East Uganda	NO
58	<i>Telescopus dhara</i>	Arabian Cat Snake	NE	DD	Unknown	NO
59	<i>Elapsoidea laticincta</i>	Sudanese Garter-snake	NE	DD	Unknown	NO
60	<i>Elapsoidea loveridgei</i>	Loveridge's Garter-snake	NE	DD	Rwenzori Mountains National Park	NO
61	<i>Naja haje</i>	Egyptian Cobra	NE	DD	Murchison Falls National Park, Budongo Forest Reserve, Bugungu Wildlife Reserve, Toro-Semliki Wildlife Reserve	NO
62	<i>Pseudohaje goldii</i>	Goldie's Tree Cobra	NE	DD	Semuliki National Park, Rwenzori Mountains National Park, Queen Elizabeth National Park, Kibale National Park, Kasyoha-Kitomi Forest Reserve	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
63	<i>Myriopholis cairi</i>	Cairo Worm-snake, Cairo Blind-snake	NE	DD	Unknown	NO
64	<i>Leptotyphlops conjunctus</i>	Jan's Black Worm-snake, Cape Thread Snake	NE	DD	Unknown	NO
65	<i>Leptotyphlops emini</i>	Emin Pasha's Worm-snake	NE	DD	Semuliki National Park, Rwenzori Mountains National Park, Kyambogo Wildlife Reserve	NO
66	<i>Afrotyphlops brevis</i>	Somali Giant Blind-snake, Schlegeli Giant Blind-snake	NE	DD	Unknown	NO
67	<i>Typhlops pallidus</i>	Pallid Blind-snake	NE	DD	Unknown	NO
68	<i>Atheris hispida</i>	Hispid Bush-viper, African Hairy Bush-viper	NE	DD	Rwenzori Mountains National Park, Bwindi Impenetrable National Park	NO
69	<i>Causus maculatus</i>	Western Night-adder, Spotted Night-adder	NE	DD	Toro-Semliki Wildlife Reserve, Kabwoya Wildlife Reserve	NO
70	<i>Causus resimus</i>	Green Night-adder	NE	DD	Queen Elizabeth National Park, Semuliki National Park, Budongo Forest Reserve	NO

Amphibian Redlist

Dr Mathias Behangana was the lead specialist for compiling the Amphibian Redlist. The initial list of amphibian species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank and Dr Behangana added to this species list from his own records and from literature. All species that he considered to be potentially threatened were compiled for further consideration.

The working group and authors of the final Proposed List of Threatened Amphibians consisted of :

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The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (2015) and data and record information were obtained from the personal records of the authors and reviewers, from the WCS surveys database and from reported records from literature. As many amphibian species are undergoing taxonomic review, we were grateful for our reviewers, particularly Dr Eli Greenbaum for his help in updating the lists as to the correct status and nomenclature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report (electronic copy).

The amphibian lists were subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016), undertaken on behalf of TUOP and UWA, encompassing Murchison Falls National Park to the Kabwoya Wildlife Reserve, and including the medium altitude forests at the top of the Graben escarpments; thus comprising the northern part of the Murchison Semliki Landscape. We are grateful to Michele Menegon and Simon Loader for providing genetic analysis of specimens to confirm their identification for these surveys in exploration block 2.

The resulting National Redlist of Amphibians for Uganda are reproduced in the following tables (Tables 8-9) showing:

- (i) threatened species, from Vulnerable, to Endangered to Critically Endangered, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. For amphibians this list does potentially contain some extremely at risk and possibly regionally extinct species, but also species which are currently of uncertain status due to review and reclassification and in fact may be either least concern (LC) or determined to not occur in Uganda and therefore not applicable (NA). In this case a decision needs to be made as to

what species the existing records should correctly refer to. For this taxa, not only is it advised that every effort is put into obtaining more information on these data deficient species, but also to ensure that genetic evaluation of samples is included in survey design to assist in clarifying the taxonomy.

Conservation authorities and managers are advised to keep near-threatened amphibian species under review as they can become threatened rapidly in the face of habitat degradation. Near-threatened amphibians also include species which are currently undergoing taxonomic review and this may change the status of species previously not thought to be threatened.

Table 8: Threatened Amphibian Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Arthroleptides dutoiti</i>	Du Toit's torrent frog	CR	CR B2ab(iii)	Mt Elgon National Park	(MT ELGON ENDEMIC)
2	<i>Arthroleptis adolfifriederici</i>	Rugege Forest squeaker	LC	EN B1+2ab(v)	Bwindi Impenetrable National Park, Semliki National Park, Budongo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
3	<i>Leptopelis calcaratus</i>		LC	EN B2ab(iii)	Two (2) records from Bwindi Impenetrable National Park (Buhoma)	NO
4	<i>Leptopelis karissimbensis</i>		EN	EN B2ab(iii)	Mgahinga Gorilla National Park	(ALBERTINE RIFT ENDEMIC)
5	<i>Afrixalus orophilus</i>		VU	EN B2(iii)	Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
6	<i>Hyperolius frontalis</i>		VU	EN B1+2ab(i,iii,v)	Bwindi Impenetrable National Park, Kalinzu-Maramagamabo Forest Reserve, Kasyoha-Kitomi Forest Reserve, Echuya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
7	<i>Amietia ruwenzorica</i>	Ruwenzori range frog	DD	EN B2ab(iii)	Rwenzori Mtns National Park, Semliki National Park	(ALBERTINE RIFT ENDEMIC)
8	<i>Xenopus pygmaeus</i>	Bouchia Clawed frog	LC	EN B2ab(iii)	Only in Semliki National Park	NO
9	<i>Xenopus vestitus</i>	Kivu clawed frog	LC	EN B2ab(iii)	Mgahinga Gorilla National Park, Echuya Forest Reserve, Wambabya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
10	<i>Phrynobatrachus auritus</i>	Golden puddle frog	LC	EN B1+2ab(iii)	Budongo Forest Reserve, Bugoma Forest Reserve, Wambabya Forest Reserve	NO
11	<i>Phrynobatrachus versicolor</i>		VU	EN B2ab(iii,v)	Bwindi Impenetrable National Park, Mgahinga Gorilla National Park, Rwenzori Mtns National Park, Echuya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
12	<i>Phrynobatrachus bequaerti</i>		VU	EN B2b(iii)	Rwenzori Mtns National Park, Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
13	<i>Arthroleptis poecilonotus</i>		LC	VU B2ab(iii)	Bwamba (historical record for Semliki National Park), Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Wambabya Forest Reserve, Murchison Falls National Park (northern boundary adjacent Pakwach Rd)	NO
14	<i>Arthroleptis schubotzi</i>	Schubotz's Squeaker, Kivu Dwarf Litter Frog	LC	VU B2ab(iii)	Kibale National Park, Bwindi National Park, Mgahinga Gorilla National Park	(ALBERTINE RIFT ENDEMIC)

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
15	<i>Leptopelis kivuensis</i>	Kisenyi forest tree frog	NT	VU B2ab(iii)	Kibale National Park, Bwindi Impenetrable National Park, Mgahinga Gorilla National Park, Rwenzori National Park, Budongo Forest Reserve, Echuya Forest Reserve, Itwara Forest Reserve, Kalinzu-Maramagambo Forest Reserve, Kasyoha-Kitomi Forest Reserve, Nyamuriro wetland IBA (Kabale District), Bugoma Forest Reserve	(ALBERTINE RIFT ENDEMIC)
16	<i>Amietia lubrica</i>	Lake Bunyonyi River Frog	DD	VU D2	Lake Bunyonyi, Muchuya swamp	(ALBERTINE RIFT ENDEMIC)
17	<i>Xenopus ruwenzoriensis</i>	Uganda Clawed Frog	DD	VU B2ab(ii,iii)	Rwenzori National Park and foothills, Semliki National Park, Budongo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
18	<i>Ptychadena christyi</i>		DD	VU B2ab(ii,iii)	Semliki National Park, Budongo Forest Reserve, Escarpment below Bugoma Forest (may be confined to escarpment along Lake Albert)	(ALBERTINE RIFT ENDEMIC)
19	<i>Ptychadena chrysogaster</i>		LC	VU B2ab(ii,iii)	Bwindi Impenetrable National Park, Kibale National Park, Rwenzori Mtns National Park, Semliki National Park, Budongo Forest Reserve, Kasyoha-Kitomi Forest Reserve, Lake Nabugabo area, Kaiso Tonya Community Wildlife Area, Buliisa District, Hoima District (nr. Bugoma Forest)	(ALBERTINE RIFT ENDEMIC)

Table 9: Data Deficient Amphibian Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Arthroleptis cf. adelphus</i>		LC	DD	Budongo Forest Reserve	NO
2	<i>Arthroleptis cf. lameerei</i>			DD	Budongo Forest Reserve	NO
3	<i>Cardioglossa cyaneospila</i>		DD	DD	Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
4	<i>Afrivalus fulvovittatus</i>	Banded Banana Frog	LC	DD	Range currently unknown due to taxonomic uncertainty	NO
5	<i>Afrivalus quadrivittatus</i>	Four-lined Spiny Reed Frog	LC	DD	Murchison Falls National Park, Semliki Wildlife Reserve, Bugungu Wildlife Reserve	NO
6	<i>Hyperolius argentovittis</i>	Ahl's Reed Frog	DD	DD	Sango Bay Area, Naludugavu wetland, Marabigambo FR	UNKNOWN
7	<i>Hyperolius glandicolor</i>		LC	DD	Potentially Bwindi Impenetrable National Park (Nyamuliro)	NO
8	<i>Hyperolius langi</i>		LC	DD	Range currently unknown due to taxonomic uncertainty	(ALBERTINE RIFT ENDEMIC)

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
9	<i>Hyperolius papyri</i>		NE	DD	Range currently unknown due to taxonomic uncertainty	NO
10	<i>Hyperolius poweri</i>	Power's reed frog	LC	DD	Historical records for Western Lake Victoria (Sango Bay?)	NO
11	<i>Hyperolius rwandae</i>		NE	DD	Range currently unknown due to taxonomic uncertainty	(ALBERTINE RIFT ENDEMIC)
12	<i>Hyperolius viridiflavus</i>	Common Reed Frog	LC	DD	Range currently unknown due to taxonomic uncertainty	NO
13	<i>Amietia angolensis</i>	Angola River Frog	LC	DD	Range currently unknown due to taxonomic uncertainty	NO
14	<i>Amietia desaegeri</i>		LC	DD	Records from districts of Kabale, Kanungu, Kisoro, Kasese questionable. Possibly only Rwenzori Mt correct.	(ALBERTINE RIFT ENDEMIC)
15	<i>Amietia wittei</i>		DD	DD	Unknown	NO
16	<i>Phrynobatrachus bullans</i>		LC	DD	Bugungu WR	NO
17	<i>Phrynobatrachus rouxi</i>		DD	DD	Buddu Forest is the Type locality in southern Uganda along the western shore of Lake Victoria	UNKNOWN
18	<i>Hildebrandtia ornata</i>	African Ornate Frog,	LC	DD	Lake Nabugabo and Sango Bay area	NO
19	<i>Ptychadena bibroni</i>		LC	DD	Buliisa District community area	NO
20	<i>Ptychadena hylaea</i>	Mascarene Grass Frog	LC	DD	Unknown (but if present likely to be Albertine Rift)	NO
21	<i>Ptychadena schillukorum</i>	Schilluk Ridged Frog	LC	DD	Buliisa District community area, Bugungu Wildlife Reserve	NO
22	<i>Ptychadena stenocephala</i>		LC	DD	Type locality - Entebbe	NO
23	<i>Pyxicephalus edulis</i>	Edible Bullfrog,	LC	DD	Karamoja valley dams	NO
24	<i>Tomopterna cryptotis</i>	Cryptic sand frog	LC	DD	Unknown	NO
25	<i>Chiromantis rufescens</i>	African Foam-nest Treefrog,	LC	DD	IUCN redlists states it is in Uganda but not recorded recently (possible Western Uganda)	NO

Butterfly Redlist

Dr. Perpetra Akite of Makerere University is the lead specialist for compiling the Butterfly Redlist. The initial list of butterfly species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank and Dr Perpetra added to this species list from her records for Uganda, from records from known researchers, and from literature, including *The Butterflies of Uganda* (Davenport 2011). All species initially considered to be potentially threatened were noted for further consideration and supporting information was included in the summary notes. The working group refined the list in 4 subsequent meetings following the groups constitution on the 15th January (23.02.15, 05.03.15, 15.04.15 and 28.04.15).

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The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (2015). Data and species record information were obtained from the personal records of the authors and reviewers and from reported records from literature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report (electronic copy).

The butterfly lists was then subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016). A number of records were added that were able to confirm locations for many species.

The resulting National Redlist of Butterflies for Uganda are reproduced in the two following tables (Tables 10-11) showing:

- (i) threatened species, from Vulnerable, to Endangered and Critically Endangered, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. This list potentially contains some extremely at risk (possibly regionally extinct) species and so it is advised that every effort is put into obtaining information on these species, by targeted survey of the likely habitats and areas where they might be expected to occur.

Near threatened species have not been listed here, however conservation authorities and managers are advised to keep these species under review as they can become threatened rapidly in the face of habitat degradation. Full species lists can be found in Annex 1.

It will be noted that there are a large number of threatened species in the butterfly lists compared to other taxa (a total of 184). This is primarily due to the rapid rate of loss of forests outside of the

Central Forest Reserves, the majority of which are located in Western Uganda and the restricted range of many of these forest dependent species. At particular risk are the butterflies of the Ssesse Island and Sango Bay Forests. The 235 data deficient species illustrates how little has been done to date to understand the status of butterflies, a tricky taxon to survey due to their seasonal appearances and restricted ranges.

Table 10: Threatened Butterfly Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	Andronymus marina		NE	CR B1ab(i,ii,iii,iv,v)	Jubiya Forest Reserve	NO
2	Eagris nottoana		NE	CR B1ab(i,ii,iii,v)	Sango Bay Forest Reserve	NO
3	Anthene alberta		NE	CR B1+2ab(i,ii,iii,v)	South Busoga Forest Reserve	NO
4	Aphnaeus chapini		NE	CR B2ab(i,ii,iii,iv)	Sango Bay Forest Reserve	NO
5	Aphnaeus nyanzae		NE	CR B2ab(i,ii,iii,iv)	Sango Bay Forest Reserve	ENDEMIC
6	Argyrocheila undifera		NE	CR B1ab(ii,iii,v)	Tero Forest (Sango Bay Forest Reserve)	NO
7	Cephetola cephenae		NE	CR B1+2ab(i,ii,iii,v)	Entebbe Municipality	NO
8	Epitola urania		LC	CR A2c	Bwezigola-Gunga Forest Reserve (Kiboga District), Matiri Forest Reserve (Kyenjojo District)	NO
9	Epitola bwamba		NE	CR C2a(ii)	Bwamba Valley	ENDEMIC
10	Epitola miranda		NE	CR A2c	Lutokoba east of Bugala Island (Ssesse Islands)	NO
11	Epitola badura		LC	CR B1ab(iii)	Bwamba Valley	NO
12	Epitola carilla		NE	CR B1+2ab(i,ii,iii,v)	Entebbe Municipality	ENDEMIC
13	Epitolina catori		NE	CR B1+2ab(iii)	Mpanga Forest Reserve, Mpigi Forest Reserve	NO
14	Falcuna iturina		NE	CR B1ab(iii)	Bwamba Valley	(ALBERTINE RIFT ENDEMIC)
15	Hypocopelates mera		NE	CR A2c	Kagombe Forest Reserve (Kibaale District)	NO
16	Iolaus mongiro		NE	CR C2a(ii)	Mongiro in Bwamba valley	ENDEMIC
17	Iolaus pseudofrater		NE	CR B1ab(iii)	Kayonza Forest	ENDEMIC
18	Iolaus pseudopollux		NE	Cr B1ab(iii)	Ruhizi, South western Uganda	ENDEMIC
19	Liptena eukrinoides		NE	CR B1ab(i,ii,iii, v)	Tero Forest (Sango Bay Forest Reserve)	(SANGO BAY/MINZIRO ENDEMIC)
20	Liptena o-rubrum	Large Black Liptena	NE	CR B1ab(i,ii,iii, v)	Sango Bay Forest Reserve	NO
21	Liptena opaca		NE	CR B1+2ab(ii,iii)	Mpanga Forest Reserve, Mpigi Forest Reserve	NO
22	Micropentila victoriae		NE	CR B1+2ab(iii,iv)	Mpanga Forest Reserve, Mpigi Forest Reserve	NO
23	Micropentila cherereti		NE	CR B1ab(ii,iii,iv)	Western shores of Lake Victoria	(SANGO BAY/MINZIRO ENDEMIC)
24	Micropentila jacksoni		NE	CR B1ab(ii,iii,iv)	Western shores of Lake Victoria	(SANGO BAY/MINZIRO ENDEMIC)
25	Micropentila katera		NE	CR B1ab(ii,iii,iv)	Western shores of Lake Victoria (Sango Bay)	(SANGO BAY/MINZIRO ENDEMIC)
26	Micropentila mpigi		NE	CR B1+2ab(iii)	Mpanga Forest Reserve, Mpigi Forest Reserve	(SANGO BAY/MINZIRO ENDEMIC)

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
27	Micropentila subplagata		NE	CR B1ab(iii)	Southern Uganda (Masaka)	NO
28	Mimacraea landbecki		NE	CR B2ab(i,ii,iii,iv,v)	South western Uganda, Sango Bay	NO
29	Neaveia lamborni		NE	CR B2ab(i,ii,iii,iv,v)	Sango Bay Forest Reserve	NO
30	Neurellipes lusones		NE	CR B1+2ab(iii)	Sango Bay Forest Reserve	NO
31	Pentila tachyroides		NE	CR B1ab(i,ii,iii,v)	Bbale Compartment (Sango Bay Forest Reserve)	NO
32	Spindasis crustaria		NE	CR B1ab(i,ii,iii,iv)	South Busoga Forest Reserve	NO
33	Tetrarhanis diversa		NE	CR B1ab(iii)	Mt. Kei Forest Reserve	NO
34	Thermoniphas distincta		NE	CR B1+2ab(iii)	Semliki National Park	(ALBERTINE RIFT ENDEMIC)
35	Toxochitona vansomereni		NE	CR B1ab(i,ii,iii,iv)	South western Uganda, (Kigezi sub-region)	NO
36	Acraea eltringhami		NE	CR B1ab(i,ii,iii,v)	Jubiya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
37	Acraea simulata		NE	CR B1+2ab(i,ii,iii,v)	Ssesse Islands	NO
38	Acraea alciope		NE	CR A2c	Kagombe Forest Reserve	NO
39	Charaxes alticola		NE	CR B1ab(iii)	Echuya Forest Reserve	(ALBERTINE RIFT ENDEMIC)
40	Charaxes xiphares		NE	CR B1+2ab(iii)	Mafuga Forest Reserve	NO
41	Euptera elabontas		NE	CR B2ab(ii,iii,iv)	Mpanga Forest Reserve, Ssesse Islands	NO
42	Euryphura plautilla		NE	CR B2ab(ii,iii,iv)	Namwasa Forest Reserve, Mpigi Forest Reserve	NO
43	Neptis puella	Little sailer	NE	CR B1+B2ab(i,ii,iii,iv,v)	Ssesse Islands	NO
44	Mylothris sagala		NE	CR B1ab(i,iii)	Mt Moroto Forest Reserve	NO
45	Andronymus helles		NE	EN B1+2ab(i,ii,iii,iv,v)	Sango Bay Forest Reserve	NO
46	Andronymus caesar		NE	EN B1+2ab(iii)	Kagombe Forest Reserve, Bugoma Forest Reserve	NO
47	Andronymus gander	Migrant Dart	NE	EN B2 ab(i,ii,iii)	Budongo Forest Reserve	NO
48	Caenides dacena		NE	EN B1+2ab(ii,iii)	Mabira Forest Reserve	NO
49	Caenides lissa		NE	EN B1+2ab(iii)	Kasyoha - Kitomi Forest Reserve	NO
50	Xanthodisca vibius		NE	EN B1+2ab(iii)	Mt.Elgon National Park, Jubiya Forest Reserve, Budongo Forest Reserve	NO
51	Abisara talantus		NE	EN B1+2ab(iii)	Kasyoha-Kitomi Forest Reserve	NO
52	Anthene lysicles		NE	EN B1+2ab(iii)	Kasyoha-Kitomi Forest Reserve	NO
53	Epitola cercenoides		NE	EN B1+2ab(iii)	Semliki National Park	NO
54	Epitola conjuncta		NE	EN B1+2ab(i,ii,iii,iv)	Katera (former forest near Sango Bay)	NO
55	Epitola cyanea		NE	EN B1+2ab(iii)	Semliki National Park	NO
56	Epitola catuna		NE	EN B2ab(iii)	Ngamba Island, Mabira Forest Reserve	NO
57	Epitola mpangensis		NE	EN B1+2ab(iii)	Bwamba Valley	NO
58	Epitola orientalis		NE	EN B1+2ab(iii)	Bwamba Valley	NO
59	Epitola subgriseata		NE	EN B1+2ab(iii)	Mongiro in Bwamba valley	NO
60	Epitola subargentea		NE	EN B1+2ab(iii)	Mongiro in Bwamba valley	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
61	<i>Epitola ciconia</i>		NE	EN B1+2ab(iii)	Mongiroy in Bwamba Valley	NO
62	<i>Epitola cercene</i>		NE	EN B2ab(ii,iii,iv)	Katera (former forest near Sango Bay)	NO
63	<i>Eresina toroensis</i>		NE	EN B1+2ab(i,ii,iii,v)	Nsowe Forest Reserve (Mubende District)	NO
64	<i>Iolaus bolissus</i>		NE	EN B2ab(iii)	Kitechura Forest Reserve, Kyondo (corridor connecting Queen Elizabeth National Park and Kibale National Park)	NO
65	<i>Iolaus creta</i>		LC	EN B1+2ab(iii)	West Bwamba Valley	NO
66	<i>Iolaus neavei</i>		NE	EN B2ab(ii,iii,iv)	Western shores of Lake Victoria (Katera), Bwamba Valley	NO
67	<i>Iridana jacksoni</i>		NE	EN B1+2ab(ii,iii,iv,v)	Western shores of Lake Victoria (Katera, Sango Bay)	(SANGO BAY/MINZIRO ENDEMIC)
68	<i>Iridana marina</i>		NE	EN B1+2ab(iii)	Budongo Forest Reserve	NO
69	<i>Iridana bwamba</i>		NE	EN B2ab(v)	Bwamba Valley	NO
70	<i>Iridana katera</i>		NE	EN B1+2ab(ii,iii,iv,v)	Western shores of Lake Victoria and Bwamba Valley	NO
71	<i>Lachnocnema magna</i>		NE	EN B1+2ab(ii,iii)	Bugoma Forest Reserve	NO
72	<i>Liptena amabilis</i>		NE	EN B1+2ab(ii,iii)	Western shores of Lake Victoria (presume Sango Bay as AOO)	NO
73	<i>Liptena hapale</i>		NE	EN B1+2ab(iii)	Budongo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
74	<i>Liptena undina</i>		NE	EN B1+2ab(iii)	Budongo Forest Reserve	NO
75	<i>Megalopalpus metaleucus</i>		NE	EN B1+2ab(iii)	Kasyoha-Kitomi Forest Reserve	NO
76	<i>Micropentila bunyoro</i>		DD	EN B1+2ab(iii)	Budongo Forest Reserve	NO
77	<i>Mimacraea fulvaria</i>		NE	EN B2ab(i-iii,v)	Igwe-Luvunya Forest Reserve	NO
78	<i>Mimacraea krausei</i>		NE	EN B2ab(i,ii,iii,iv,v)	Semliki National Park, Sango Bay	NO
79	<i>Ornipholidotos ntebi</i>		NE	EN B2ab(i,ii,iii,iv)	Bwamba Valley, Katera (Rakai District), Entebbe Municipality	NO
80	<i>Pentila umangiana</i>		NE	EN B2ab(ii,iii,iv)	Kibale National Park, Semliki National Park, Bukaleba Forest Reserve (Mayuga District)	NO
81	<i>Phytala elais</i>		NE	EN B1+2ab(iii)	Bwamba Valley	NO
82	<i>Pilodeudorix ankoleensis</i>		NE	EN B1+2ab(iii)	Kalinzu-Maramagambo Forest Reserve	NO
83	<i>Tanuethaira timon</i>		NE	EN B2ab(ii,iii,iv)	Mabira Forest Reserve, Sango Bay Forest Reserve	NO
84	<i>Telipna aurivillii</i>		NE	EN B2ab(iii)	Semliki National Park	(ALBERTINE RIFT ENDEMIC)
85	<i>Telipna erica</i>		NE	EN B1+2ab(iii)	Semliki National Park	NO
86	<i>Telipna kayonza</i>		NE	EN B1+2ab(i,ii,iii,iv,v)	Kayonza Forest, Kalinzu-Maramagambo Forest Reserve	NO
87	<i>Teratoneura isabellae</i>		NE	EN B2ab(i,ii,iii,iv,v)	Kabuika-Mujiwalanganda (Nakasongola District), Ssesse Islands	NO
88	<i>Thermoniphys togara</i>		NE	EN B1+2ab(i,ii,iii,iv,v)	Sango Bay Forest Reserve, Ssesse Islands, Budongo Forest Reserve	NO
89	<i>Toxochitona sankuru</i>		NE	EN B1+2ab(iii)	Semliki National Park	NO
90	<i>Uranothauma heritsia</i>		NE	EN B2ab(ii,iii)	Kasyoha-Kitomi Forest Reserve, Matiri Forest Reserve, Kitechura Forest Reserve, forest corridor wetlands Hoima District	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
91	<i>Acraea kalinzu</i>		NE	EN B1+2ab(iii)	Kalinzu-Maramagambo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
92	<i>Bebearia phantasiella</i>		LC	EN B1+2ab(i,ii,iii,v)	Sango Bay Forest Reserve	NO
93	<i>Bicyclus kenia</i>		NE	EN B2ab(ii,iii)	Kibeka Forest Reserve (Masindi District), Opit (Kitgum District)	NO
94	<i>Bicyclus procora</i>		NE	EN B2ab(iii)	Semuliki National Park, Bugoma Forest Reserve	NO
95	<i>Cymothoe coccinata</i>		NE	EN B1+2ab(iii)	Semliki National Park	NO
96	<i>Cymothoe cyclades</i>		NE	EN B1+2 a,b(iii)	Semliki National Park	NO
97	<i>Cymothoe egesta</i>		NE	EN B1+2ab(iii)	Semliki National Park	NO
98	<i>Cymothoe indamora</i>		NE	EN B1ab(iii)	Kasyoha-Kitomi Forest Reserve, potentially Kalinzu Forest Reserve	NO
99	<i>Cymothoe sangaris</i>		NE	EN B1+2ab(iii)	Semliki National Park	NO
100	<i>Euphaedra paradoxa</i>		NE	EN B2ab(ii,iii)	Bugoma Forest Reserve, Wambabya Forest Reserve	NO
101	<i>Euryphura albimargo</i>		NE	EN B2ab(ii,iii,iv)	Mabira Forest Reserve, Sango Bay Forest Reserve, Kasana-Kasambya Forest Reserve	NO
102	<i>Palla violinitens</i>		LC	EN B1+2ab(iii)	Semliki National Park	NO
103	<i>Graphium ucalegon</i>		NE	EN B1+2ab(iii,v)	Kasyoha-Kitomi Forest Reserve	NO
104	<i>Papilio interjecta</i>		NE	EN B1+2ab(i,ii,iii)	Kalinzu-Maramagambo Forest Reserve	NO
105	<i>Papilio leucotaenia</i>		VU (B1+2c	EN B1+2ab(i,ii,iii)	Bwindi Impenetrable National Park	(ALBERTINE RIFT ENDEMIC)
106	<i>Papilio zenobia</i>		NE	EN B1+2ab(i,ii,iii)	Semliki National Park	NO
107	<i>Belenois theuszi</i>		NE	EN B2ab(ii,iii)	Sango Bay Forest Reserve	NO
108	<i>Dixeia dixeyi</i>		NE	EN B2ab(ii,iii,iv)	South Busoga Forest Reserve, Namwasa Forest Reserve, Kasyoha-Kitomi Forest Reserve, Jubiya Forest Reserve	NO
109	<i>Leptosia marginea</i>		NE	EN B1+2ab(iii)	Bugoma Forest Reserve	NO
110	<i>Leptosia medusa</i>		NE	EN B1+2ab(iii)	Bugoma Forest Reserve, Kibale Forest Reserve	NO
111	<i>Mylothris hilara</i>		NE	EN B2ab(i,ii,iii,iv)	Bwindi Impenetrable National Park, Budongo Forest Reserve	NO
112	<i>Mylothris kiwuensis</i>		NE	EN B2ab(ii,iii,iv)	Sango Bay Forest Reserve	NO
113	<i>Mylothris sjostedti</i>		NE	EN B1+2ab(iii)	Kalinzu-Maramagambo Forest Reserve	NO
114	<i>Acleros neavei</i>		NE	VU B1+2ab(iii,iii,iv)	Semliki National Park	NO
115	<i>Celaenorrhinus ovalis</i>		NE	VU B2ab(iii)	Budongo Forest Reserve, Bugoma Forest Reserve	NO
116	<i>Ceratrachia wollastoni</i>		NE	VU B2ab(ii,iii,iv)	Entebbe Municipality, Mubuku Valley in East of Rwenzori National Park, Semliki National Park, Mt Elgon National Park, Budongo Forest Reserve	NO
117	<i>Ceratrachia aurea</i>		NE	VU B1+2ab(i,ii,iii,iv)	Budongo Forest Reserve, Kasyoha-Kitomi Forest Reserve	NO
118	<i>Chondrolepis telisignata</i>		NE	VU D2	Bwindi Impenetrable National Park, Echuya Forest Reserve	NO
119	<i>Coeliades hanno</i>		NE	VU B2ab(iii)	Entebbe, Mubende forests (unspecified)	NO
120	<i>Gamia shelleyi</i>		NE	VU B2ab(i,ii,iii,iv)	Semliki National Park, Kibale National Park, West Bugwe	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
					Forest Reserve, Bugoma Forest Reserve	
121	<i>Gorgyra kalinzu</i>	Kalinzu Leaf Skipper	NE	VU B1+2ab(i,ii,iii,iv)	Kasyoha-Kitomi Forest Reserve	NO
122	<i>Gretna cylindra</i>		NE	VU D2	Semliki National Park	NO
123	<i>Hypoleucis tripunctata</i>		NE	VU B1+2ab(i,ii,iii,v)	Semliki National Park, Jubiya Forest Reserve	NO
124	<i>Monza alberti</i>		NE	VU B1+2ab(i,ii,iii,v)	Bugoma Forest Reserve, South Busoga Forest Reserve	NO
125	<i>Osmodes omar</i>		NE	VU B1+2ab(i,ii,iii,iv)	Bugoma Forest Reserve	NO
126	<i>Pardaleodes bule</i>		NE	VU B1+2ab(i,ii,iii,iv)	Kalinzu-Maramagambo Forest Reserve	NO
127	<i>Pardaleodes tibullus</i>		NE	VU B1+2ab(i,ii,iii,iv)	Kalinzu-Maramagambo Forest Reserve	NO
128	<i>Anthene ituria</i>		NE	VU B2ab(iii)	Semliki National Park, Kibale National Park, Bugoma Forest Reserve	(ALBERTINE RIFT ENDEMIC)
129	<i>Anthene scintillula</i>		NE	VU B2ab(iii)	Semliki National Park, Bugoma Forest Reserve, Wambabya Forest Reserve	NO
130	<i>Cupidestes leonina</i>		NE	VU D2	Semliki National Park	NO
131	<i>Epitola tumentia</i>		NE	VU D2	Semliki National Park	NO
132	<i>Falcuna margarita</i>		NE	VU D2	Semliki National Park	NO
133	<i>Falcuna orientalis</i>		NE	VU B2ab(iii)	Bugoma Forest Reserve, Bwamba valley, Budongo Forest Reserve	NO
134	<i>Hypolycaena nigra</i>		NE	VU B2ab(iii)	Semliki National Park, Kalinzu-Maramagambo Forest Reserve	NO
135	<i>Larinopoda lagyra</i>		NE	VU D2	Semliki National Park	NO
136	<i>Liptenara hiendlmayri</i>		NE	VU B1+2ab(iii)	Semliki National Park, Budongo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
137	<i>Neurellipes staudingeri</i>		NE	VU D2	Semliki National Park	NO
138	<i>Oboronia gussfeldti</i>		NE	VU D2	Semliki National Park	NO
139	<i>Ornipholidotos katangae</i>		NE	VU B2ab(i,ii,iii,iv)	Sango Bay Forest Reserve	NO
140	<i>Pentila inconspicua</i>		NE	VU B2ab(iii)	Semliki National Park, Kalinzu - Maramagambo Forest Reserve, Ssesse Islands, Sango Bay Forest Reserve	NO
141	<i>Telipna nyanza</i>		NE	VU B1+2ab(i,ii,iii,iv)	Entebbe Municipality	NO
142	<i>Telipna sheffieldi</i>		NE	VU B2ab(iii,iv)	Kibale National Park, including Dura Forest, Mpanga Forest Reserve (Hoima District), Itwara Forest Reserve	ENDEMIC
143	<i>Thermoniphas plurilimbata</i>		NE	VU B1+2ab(ii,iii,iv)	Kibale National Park, Ssesse Islands, Jubiya Forest Reserve, Mujuzi Forest Reserve (Masaka District)	NO
144	<i>Toxochitona ankole</i>		DD	VU B2ab(iii)	Kibale National Park, Kalinzu-Maramagambo Forest Reserve	ENDEMIC
145	<i>Acraea alcinoe</i>		NE	VU B1+2ab(ii,iii,iv)	Semliki National Park, Zika Forest Reserve, Namwasa Forest Reserve, Kalinzu Forest Reserve, Maramagambo Forest Reserve, Bugoma Forest Reserve, Bugungu Wildlife Reserve	NO
146	<i>Acraea kraka</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
147	<i>Acraea parrhasia</i>		NE	VU B1+2a,b(iii,iv)	Semliki National Park	NO
148	<i>Acraea rogersi</i>		NE	VU B1+2ab(ii,iii,iv,v)	Mabira Forest Reserve	NO
149	<i>Acraea alcipioides</i>		NE	VU B1+2ab(iii)	Kalinzu-Maramagambo Forest Reserve	(ALBERTINE RIFT ENDEMIC)
150	<i>Acraea ntebia</i>		NE	VU B1+2ab(iii,iv)	Kalinzu-Maramagambo Forest Reserve, Kasyoha-Kitomi Forest Reserve	NO
151	<i>Acraea pentapolis</i>		NE	VU B1+2ab(ii,iii,iv)	Kalinzu-Maramagambo Forest Reserve, Entebbe botanical gardens	NO
152	<i>Amauris ellioti</i>		NE	VU D2	Rwenzori Mountain National Park, Echuya Forest Reserve	NO
153	<i>Antanartia abyssinica</i>		NE	VU D2	Bwindi Impenetrable National Park	NO
154	<i>Bebearia barce</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO
155	<i>Bebearia laetitioides</i>		NE	VU B1+2ab(ii,iii,iv)	Semliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kagombe Forest Reserve, Wambabya Forest Reserve	NO
156	<i>Bebearia partita</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO
157	<i>Bebearia plistonax</i>		NE	VU B1+2ab(iii,iv)	Bugoma Forest Reserve	NO
158	<i>Bebearia tentyris</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO
159	<i>Bicyclus dorothea</i>		NE	VU D2	Kalinzu-Maramagambo Forest Reserve	NO
160	<i>Catuna angustata</i>		NE	VU B1+2ab(ii,iii,iv)	Bwamba Valley	NO
161	<i>Cymothoe jodutta</i>		NE	VU B2ab(iii)	Semliki National Park, Budongo Forest Reserve	NO
162	<i>Cymothoe reginaeelisabethae</i>		NE	VU B2ab(iii)	Bwamba Valley	NO
163	<i>Cynandra opis</i>		NE	VU B1+2ab(ii,iii,iv)	Semliki National Park, Rwenzori Mt National Park, Zika Forest Reserve	NO
164	<i>Euphaedra rex</i>		NE	VU B1+2ab(ii,iii,iv)	Kasyoha-Kitomi Forest Reserve, Bugoma Forest Reserve, West Bugwe Forest Reserve, Budongo Forest Reserve	NO
165	<i>Euphaedra rattrayi</i>		NE	VU B2ab(ii,iii)	Budongo Forest Reserve, Wambabya Forest Reserve, Bugoma Forest Reserve	NO
166	<i>Euriphene atossa</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO
167	<i>Euriphene butleri</i>		NE	VU B1+2ab(i,ii,iii,iv)	Kasana-Kasambya Forest Reserve (Mubende District), Bugoma Forest Reserve	NO
168	<i>Euriphene tadema</i>		NE	VU B1+2ab(iiii,iv)	Kasyoha-Kitomi Forest Reserve	NO
169	<i>Euryphura chalcis</i>		NE	VU B2ab(ii,iii,iv)	Bugoma Forest Reserve, Luwunga Forest Reserve (Kiboga District), Mabira Forest Reserve, Wambabya Forest Reserve	NO
170	<i>Hypolimnas bartteloti</i>		NE	VU B1+2ab(iii)	Bugoma Forest Reserve, Kasyoha-Kitomi Forest Reserve	NO
171	<i>Neptis poultoni</i>		NE	VU B1+2ab(ii,iii,iv,v)	Kibale National Park, Bwezigola-Gunga Forest Reserve, Igwe-Luvunya Forest Reserve	NO
172	<i>Neptis carpenteri</i>		NE	VU B1+2ab(ii,iii,iv)	Bugoma Forest Reserve, Sango Bay Forest Reserve	NO
173	<i>Neptis continuata</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
174	<i>Neptis lermanni</i>		NE	VU B1+2ab(iii,iv)	Semliki National Park	NO
175	<i>Neptis trigonophora</i>		NE	VU B2ab(iii,iv)	Mabira Forest Reserve, Bugoma Forest Reserve	NO
176	<i>Pseudathyma plutonica</i>		LC	VU B1+2ab(ii,iii,iv)	Mabira Forest Reserve	NO
177	<i>Graphium ridleyanus</i>		NE	VU B1ab(iii)	Kasyoha-Kitomi Forest Reserve, Mujuzi Forest Reserve (Masaka District), Rwoho Forest Reserve (Ntungamo District)	NO
178	<i>Papilio antimachus</i>		DD	VU B2ab(iii)	Itwara Forest, Kalinzu-Maramagambo Forest Reserve	ENDEMIC
179	<i>Papilio charopus</i>		NE	VU B2ab(ii,iii)	Semliki National Park, Kibale National Park, Kasyoha-Kitomi Forest Reserve, Kagombe Forest Reserve (Kibaale District)	NO
180	<i>Papilio jacksoni</i>		NE	VU B2ab(ii,iii)	Rwenzori Mt National Park, Bwindi Impenetrable National Park, Mt Elgon National Park, Echuya Forest Reserve	NO
181	<i>Belenois sudanensis</i>		NE	VU B2ab(ii,iii)	Kasyoha-Kitomi Forest Reserve, Bugoma Forest Reserve	NO
182	<i>Belenois victoria</i>		NE	VU B2ab(i,ii,iii,iv)	Mt. Elgon National Park, Kibale National Park, Bwindi National Park, Rom Forest Reserve (Kitgum District), Mabira Forest Reserve	NO
183	<i>Mylothris croceus</i>		NE	VU B2ab(ii,iii,iv)	Rwenzori Mt National Park, Mafuga Forest Reserve (nr Bwindi)	(ALBERTINE RIFT ENDEMIC)
184	<i>Pseudopontia paradoxa</i>		NE	VU D2	Kibale National Park, Mabira Forest Reserve, Kasyoha-Kitomi Forest Reserve, Bugoma Forest Reserve, Jubiya Forest Reserve	NO

Table 11: Data Deficient Butterfly Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	Andronymus fenestrella		NE	DD	Unknown	NO
2	Borbo kaka		NE	DD	Presumed Eastern Uganda	NO (RESTRICTED RANGE)
3	Caenides kangvensis	Yellow-spotted Recluse	NE	DD	Unknown	NO
4	Caenides xychnus	Unbranded Recluse	NE	DD	Unknown	NO
5	Caenides halma		NE	DD	Unknown	NO
6	Caenides leonora	White-spotted Recluse	NE	DD	Unknown	NO
7	Caenides luehderi		NE	DD	Unknown	NO
8	Celaenorrhinus kivuensis		NE	DD	West Kayonza	(ALBERTINE RIFT ENDEMIC)
9	Celaenorrhinus homeyeri	Homeyer's Sprite	NE	DD	Unknown	NO
10	Celaenorrhinus illustris	Illustrious Sprite	NE	DD	Unknown	NO
11	Celaenorrhinus macrostictus		NE	DD	Unknown	NO
12	Celaenorrhinus perlustris	Less Illustrious Sprite	NE	DD	Western Uganda	NO
13	Ceratrachia argyrosticta	Pearl-Spotted Forest Sylph	NE	DD	Entebbe Municipality	NO
14	Ceratrachia semilutea	Tufted Forest Sylph	NE	DD	Unknown	NO
15	Ceratrachia semlikensis		NE	DD	Lower Batahu River (Semliki Valley)	NO
16	Eretis rotundimacula		NE	DD	Unknown	NO
17	Fresna cojo	Large Accraea Skipper	NE	DD	Unknown	NO
18	Gamia buchholzi		NE	DD	Unknown	NO
19	Gorgyra minima	Minimal Leaf Skipper	NE	DD	Western Uganda to West Nile	NO
20	Gretna bugoma		NE	DD	Presume Western Uganda	ENDEMIC
21	Gretna zarella		NE	DD	Unknown	NO
22	Osmodes adonia		NE	DD	Entebbe Municipality	NO
23	Osmodes adosus		NE	DD	Unknown	NO
24	Osmodes costatus		NE	DD	Unknown	NO
25	Osmodes distincta		NE	DD	Unknown	NO
26	Osmodes hollandi		NE	DD	Unknown	NO
27	Osmodes lux		NE	DD	Unknown	NO
28	Osmodes minchini		NE	DD	Unknown	NO
29	Platylesches iva		NE	DD	Unknown	NO
30	Semalea arela		NE	DD	Unknown	NO
31	Semalea pulvina		NE	DD	Unknown	NO
32	Semalea sextilis		NE	DD	Unknown	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
33	Xanthodisca astrape		NE	DD	Unknown	NO
34	Abisara simulacris		NE	DD	Unknown	ENDEMIC
35	Actis mimeta		NE	DD	Unknown	NO
36	Actis perigrapha		NE	DD	Unknown	NO
37	Aethiopana honorius		NE	DD	Western Uganda	NO
38	Anthene afra		NE	DD	Unknown	NO
39	Anthene kampala		NE	DD	Unknown	NO
40	Anthene katera		NE	DD	Unknown	NO
41	Anthene lachares		NE	DD	Unknown	NO
42	Anthene ruwenzorica		NE	DD	Unknown	NO
43	Anthene sylvanus		NE	DD	Unknown	NO
44	Anthene zenkeri		NE	DD	Unknown	NO
45	Argyrocheila inundifera		NE	DD	Western Uganda	NO
46	Aslauga purpurascens		NE	DD	Mt Elgon, Western Uganda	NO
47	Citrinophila erastus		NE	DD	Western Uganda, cited as Toro sub-region (possibly Semliki?)	NO
48	Citrinophila tenera		NE	DD	West to the Bwamba valley	NO
49	Citrinophila unipunctata		LC	DD	Unknown	NO
50	Cupidestes arescopi		NE	DD	Unknown	NO
51	Deudorix edwardsi		NE	DD	Unknown	NO
52	Deudorix kayonza		NE	DD	Unknown	NO
53	Deudorix lorisona		NE	DD	Unknown	NO
54	Deudorix odana		NE	DD	Unknown	NO
55	Diopetes bwamba		NE	DD	Unknown	NO
56	Diopetes deritas		NE	DD	Unknown	NO
57	Diopetes pseuderitas		NE	DD	Western Uganda	NO
58	Diopetes violetta		NE	DD	Unknown	NO
59	Egumbia ernesti (katangana)		NE	DD	Unknown	NO
60	Epitola posthumus		NE	DD	Bwamba Valley (historical record for Semliki National Park)	NO
61	Epitola marginata		NE	DD	Unknown	NO
62	Epitola viridana		NE	DD	Unknown	NO
63	Epitola maculata		NE	DD	Unknown	NO
64	Epitola pseudoconjuncta (vinali)		NE	DD	Unknown	NO
65	Epitola semibrunnea (semibrunnea)		NE	DD	Unknown	NO
66	Epitola ceraunia		NE	DD	Unknown but presumed Mabira forest	NO
67	Epitola dubia		NE	DD	Mongiro in Bwamba Valley	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
68	<i>Epitola gerina</i>		NE	DD	Bwamba Valley	NO
69	<i>Epitola azurea</i>		NE	DD	Unknown	NO
70	<i>Epitola liana</i>		NE	DD	Bwamba Valley	NO
71	<i>Epitola intermedia (insulana)</i>		NE	DD	Bwamba Valley	NO
72	<i>Epitola leonina</i>		NE	DD	Unknown	NO
73	<i>Epitolina dispar</i>		NE	DD	Unknown	NO
74	<i>Eresina bilinae</i>		NE	DD	Southwest forests of Lake Victoria, possibly Sango Bay area	NO
75	<i>Eresina bergeri</i>		NE	DD	Western Uganda	NO
76	<i>Eresina conradi</i>		NE	DD	Bunyoro forests	NO
77	<i>Eresina crola</i>		NE	DD	Kigezi district, forest strip near mouth of Ntungwe River (Queen Elizabeth National Park)	NO
78	<i>Eresina fontainei</i>		NE	DD	Unknown	NO
79	<i>Eresina jacksoni</i>		NE	DD	Bwamba Valley	NO
80	<i>Eresina katera</i>		NE	DD	Western shores of Lake Victoria	NO
81	<i>Eresina masaka</i>		NE	DD	South and Western shores of Lake Victoria	NO
82	<i>Eresina pseudofusca</i>		NE	DD	Unknown	NO
83	<i>Eresina rougeoti</i>		NE	DD	Unknown	NO
84	<i>Eresiomera rutilo</i>		NE	DD	Western Uganda	NO
85	<i>Eresiomera paradoxa</i>		NE	DD	Kalinzu-Maramagambo Forest Reserve	NO
86	<i>Etesiolaus cator</i>		NE	DD	Unknown	UNKNOWN
87	<i>Euliphyra leucyana</i>		NE	DD	Western Uganda	NO
88	<i>Hewitsonia similis</i>		NE	DD	Unknown	UNKNOWN
89	<i>Hewitsonia crippsi</i>		NE	DD	Busia District	NO (RESTRICTED RANGE)
90	<i>Hypocopelates ituri</i>		NE	DD	Western Uganda	NO
91	<i>Hypocopelates anetia</i>		NE	DD	Unknown	NO
92	<i>Hypocopelates azurea</i>		NE	DD	South-western Uganda	NO
93	<i>Hypocopelates canescens</i>		NE	DD	Western Uganda	NO
94	<i>Hypocopelates infuscata</i>		NE	DD	Western Uganda	NO
95	<i>Hypocopelates leonina</i>		NE	DD	Western Uganda	NO
96	<i>Hypocopelates otraeda</i>		NE	DD	Western Uganda	NO
97	<i>Hypocopelates ugandae</i>		NE	DD	Unknown	ENDEMIC
98	<i>Hypocopelates ultramarina</i>		NE	DD	Western Uganda	NO
99	<i>Hypolycaena lebona</i>		NE	DD	Unknown	NO
100	<i>Hypomyrina nomenia</i>		NE	DD	Unknown	NO
101	<i>Hypophytala vansomerani</i>		NE	DD	Katera (former forest near Sango Bay), Western Uganda	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
102	<i>Iolaphilus henryi</i>		NE	DD	South western Uganda	(SANGO BAY/MINZIRO ENDEMIC)
103	<i>Iolaphilus aequatorialis</i>		NE	DD	Katera Forest (Sango Bay Forest Reserve)	NO
104	<i>Iolaphilus iturensis</i>		NE	DD	Presume Western Uganda	(ALBERTINE RIFT ENDEMIC)
105	<i>Iolaphilus gabunica</i>		NE	DD	Unknown	UNKNOWN
106	<i>Iolaphilus poecilaon</i>		NE	DD	Entebbe	NO
107	<i>Iolaus bellina</i>		NE	DD	Unknown	NO
108	<i>Iolaus fontainei</i>		NE	DD	Western Uganda	NO
109	<i>Iolaus iasis</i>		LC	DD	Toro Sub-region	NO
110	<i>Iolaus sapphirinus</i>		NE	DD	Unknown	UNKNOWN
111	<i>Iolaus stenogrammica</i>		NE	DD	Northern shores of Lake Victoria	NO
112	<i>Iolaus bansana</i>		NE	DD	Eastern Uganda	NO
113	<i>Iolaus flavilinea</i>		NE	DD	Unknown	NO
114	<i>Iolaus sibella</i>		NE	DD	Unknown	NO
115	<i>Iolaus yalae (bansana)</i>		NE	DD	Eastern Uganda	ENDEMIC
116	<i>Iolaus parasilanus</i>		NE	DD	Unknown	NO
117	<i>Iridana obscura</i>		NE	DD	Bwamba Valley	ENDEMIC
118	<i>Iridana hypocala</i>		NE	DD	Jinja Municipality	NO
119	<i>Iridana tororo</i>		NE	DD	Tororo District	NO (RESTRICTED RANGE)
120	<i>Iridana incredibilis</i>		NE	DD	Busia District	NO
121	<i>Iridana unyoro</i>		NE	DD	Bunyoro District and Western Uganda	(SANGO BAY/MINZIRO ENDEMIC)
122	<i>Leptomyrina makala</i>		NE	DD	Unknown	(ALBERTINE RIFT ENDEMIC)
123	<i>Lipaphnaeus leonina?</i>		NE	DD	Unknown	UNKNOWN
124	<i>Liptena despecta</i>		NE	DD	Unknown presumed South-western/Sango Bay	NO
125	<i>Liptena flavicans</i>		NE	DD	Eastern Sango Bay Forest Reserve, Bwamba Valley	NO
126	<i>Liptena albomaculata</i>		NE	DD	Unknown	NO
127	<i>Liptena augusta</i>		NE	DD	Eastern Sango bay area	NO
128	<i>Liptena batesana</i>		NE	DD	Bwamba Valley	NO
129	<i>Liptena congoana</i>		NE	DD	West Semliki valley, at approximately 3000ft	NO
130	<i>Liptena gordani</i>		NE	DD	Unknown	UNKNOWN
131	<i>Liptena hulstaerti</i>		NE	DD	Sango Bay area	NO
132	<i>Liptena nigromarginata</i>		NE	DD	Budongo Forest Reserve	NO
133	<i>Liptena rubromaculata</i>		NE	DD	Unknown	UNKNOWN
134	<i>Liptena undularis</i>		NE	DD	Unknown	UNKNOWN

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
135	<i>Mimeresia drucei</i>		NE	DD	Western Uganda (historical record from Bwamba)	NO
136	<i>Mimeresia debora</i>		NE	DD	Western Uganda	NO
137	<i>Mimeresia favillacea</i>		NE	DD	Unknown	UNKNOWN
138	<i>Mimeresia moreelsi</i>		NE	DD	West to the Bwamba valley	NO
139	<i>Mimeresia neavei</i>		NE	DD	Western Uganda including Semliki River, probably in Sango bay area near Tanzania border	NO
140	<i>Mimeresia russulus</i>		NE	DD	Budongo Forest Reserve	NO
141	<i>Neoeptola barombiensis</i>		LC	DD	Forest of Bwamba Valley	NO
142	<i>Neurypexina kalinzu</i>		NE	DD	Presume South-West Uganda	ENDEMIC
143	<i>Neurypexina quadricaudata</i>		NE	DD	Unknown	NO
144	<i>Ornipholidotos emarginata</i>		NE	DD	Albertine Rift	NO
145	<i>Ornipholidotos gabonensis</i>		NE	DD	Albertine Rift	NO
146	<i>Ornipholidotos kirbyi</i>		NE	DD	Albertine Rift	NO
147	<i>Ornipholidotos latimargo</i>		NE	DD	Sango Bay Forest Reserve	NO
148	<i>Ornipholidotos paradoxa</i>		NE	DD	Western forests of Lake Victoria, possibly Sango Bay Forest Reserve	NO
149	<i>Ornipholidotos peucetia</i>		NE	DD	South west forests of Lake Victoria, possibly Sango Bay Forest Reserve	NO
150	<i>Ornipholidotos teroensis</i>		NE	DD	Southern Uganda	NO
151	<i>Ornipholidotos ugandae</i>		NE	DD	Southern Uganda	NO
152	<i>Pentila alba</i>		NE	DD	Sango Bay Forest Reserve	NO
153	<i>Pentila cloetensi</i>		NE	DD	Unknown	NO
154	<i>Pilodeudorix kohli</i>		NE	DD	Unknown	NO
155	<i>Powellana cottoni</i>		NE	DD	West Bwamba valley (possibly lower Rwenzori slopes?)	NO
156	<i>Pseudaletis nigra</i>		NE	DD	Unknown	UNKNOWN
157	<i>Pseudeletis sp.</i>		NE	DD	Unknown	UNKNOWN
158	<i>Pseuderesia beni</i>		NE	DD	Budongo Forest Reserve	NO
159	<i>Pseuderesia eleaza</i>		NE	DD	Unknown	NO
160	<i>Telipna citrimacula</i>		NE	DD	Western Uganda	NO
161	<i>Telipna consanguinea</i>		NE	DD	Western Uganda	NO
162	<i>Tetrarhanis stempfferi</i>		NE	DD	South-west to Kigezi	NO
163	<i>Thermoniphas albocaerulea</i>		NE	DD	Unknown	ENDEMIC
164	<i>Thermoniphas caerulea</i>		NE	DD	Unknown	NO
165	<i>Toxochitona gerda</i>		NE	DD	Unknown	NO
166	<i>Acraea endoscota</i>		NE	DD	Unknown	NO
167	<i>Acraea formosa</i>		NE	DD	Western Uganda	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
168	<i>Acraea persanguinea</i>		NE	DD	South-Western Uganda	NO
169	<i>Acraea umbra</i>		NE	DD	Unknown	NO
170	<i>Acraea grosvenori</i>		NE	DD	Western Uganda	NO
171	<i>Acraea humilis</i>		NE	DD	Entebbe Municipality	NO
172	<i>Acraea melanoxantha</i>		NE	DD	Mt. Elgon National Park	NO
173	<i>Acraea vesperalis</i>		NE	DD	Unknown	NO
174	<i>Acraea hamata</i>		NE	DD	South-west (Kigezi)	NO
175	<i>Amauris inferna</i>		NE	DD	Unknown	NO
176	<i>Ariadne albifascia</i>		NE	DD	Wambabya Forest Reserve	NO
177	<i>Bebearia abesa</i>		NE	DD	Unknown	NO
178	<i>Bebearia ducalis</i>		NE	DD	Unknown	NO
179	<i>Bebearia iturina</i>		NE	DD	Unknown	NO
180	<i>Bebearia oxione</i>		NE	DD	Unknown	NO
181	<i>Bebearia wilworthi</i>		NE	DD	Unknown	NO
182	<i>Bebearia mandinga</i>		NE	DD	Unknown	NO
183	<i>Bicyclus analis</i>		NE	DD	Western Uganda	NO
184	<i>Bicyclus iccius</i>		NE	DD	Unknown	NO
185	<i>Bicyclus ignobilis</i>		NE	DD	Unknown	NO
186	<i>Bicyclus persimilis</i>		NE	DD	Rwenzori Mt National Park	NO
187	<i>Bicyclus xeneoides</i>		NE	DD	Unknown	NO
188	<i>Charaxes druceanus</i>		NE	DD	Unknown	NO
189	<i>Charaxes fournierae</i>		NE	DD	Unknown	NO
190	<i>Charaxes hadrianus</i>		NE	DD	Unknown	NO
191	<i>Charaxes hildebrandti</i>		NE	DD	Unknown	NO
192	<i>Charaxes mafuga</i>		NE	DD	Unknown	NO
193	<i>Charaxes montis</i>		NE	DD	Unknown	NO
194	<i>Charaxes nobilis</i>		NE	DD	Unknown	NO
195	<i>Cymothoe beckeri</i>		NE	DD	Unknown	NO
196	<i>Cymothoe distincta</i>		NE	DD	Unknown	NO
197	<i>Euphaedra alacris</i>		NE	DD	Budongo Forest Reserve, Bugoma Forest Reserve, Albertine Rift Escarpment (Hoima/Buliisa Districts)	(ALBERTINE RIFT ENDEMIC)
198	<i>Euphaedra cooksoni</i>		NE	DD	Unknown	NO
199	<i>Euphaedra difficilis</i>		NE	DD	Unknown	NO
200	<i>Euphaedra eberti</i>		NE	DD	Unknown	NO
201	<i>Euphaedra sarita</i>		NE	DD	Unknown	NO
202	<i>Euphaedra spatiosa</i>		NE	DD	Unknown	NO
203	<i>Euphaedra zampa</i>		NE	DD	Unknown	NO
204	<i>Euptera hirundo</i>		NE	DD	Unknown	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
205	Euriphene amaranta		NE	DD	Unknown	NO
206	Euriphene cyriaca		NE	DD	Unknown	NO
207	Euriphene doriclea		NE	DD	Unknown	NO
208	Euriphene obsoleta		NE	DD	Unknown	NO
209	Euriphene pallidior		NE	DD	Unknown	NO
210	Euryphura vansomereni		NE	DD	Unknown	ENDEMIC
211	Euxanthe trajanus		NE	DD	Unknown	NO
212	Gnophodes grogani		NE	DD	Unknown	(ALBERTINE RIFT ENDEMIC)
213	Kallima cymodoce		NE	DD	Unknown	NO
214	Kumothales inexpectata		NE	DD	South western Uganda to Kigezi District	NO
215	Neptis clarei		NE	DD	Unknown	ENDEMIC
216	Neptis lugubris		NE	DD	Unknown	NO
217	Neptis metanira		NE	DD	Unknown	NO
218	Neptis nysiades		NE	DD	Unknown	NO
219	Neptis sp.		NE	DD	Unknown	UNKNOWN
220	Pseudacraea deludens		NE	DD	Unknown	NO
221	Pseudacraea warburgi		NE	DD	Bwamba Valley	NO
222	Pseudathyma neptidina		NE	DD	Unknown	NO
223	Pseudathyma nzoia		NE	DD	Unknown	NO
224	Pseudathyma sibyllina		NE	DD	Unknown	NO
225	Graphium latreillianus		NE	DD	Semliki National Park	NO
226	Graphium gudenusi		NE	DD	Unknown	NO
227	Mylothris ochracea		NE	DD	Sango Bay Forest Reserve	NO
228	Mylothris asphodelus		NE	DD	Unknown	NO
229	Mylothris citrina		NE	DD	Unknown	NO
230	Mylothris flavicosta		NE	DD	Unknown	NO
231	Mylothris marginea		NE	DD	Unknown	NO
232	Mylothris rhodope		NE	DD	Unknown	NO
233	Mylothris ruandana		NE	DD	Unknown	NO
234	Mylothris schumanni		NE	DD	Bugoma Forest Reserve	NO
235	Mylothris sulphurea		NE	DD	Unknown	NO

Dragonfly Redlist

Dr. Perpetra Akite of Makerere University is the lead specialist for compiling the Dragonfly Redlist (including damselflies). The initial list of dragonfly and damselfly species for Uganda was obtained from Herbert Tushabe of the National Biodiversity Databank and Dr Akite added to this species list from her records for Uganda, from additional researchers, and with input from Dr. Viola Clausnitzer, Chair of the IUCN/SSC Dragonfly Specialist Group from Senckenberg Museum of Natural History Görlitz. The Handbook to African Dragonflies (Dijkstra 2015) was a source document for taxonomic and other queries.

All species initially considered to be potentially threatened were noted for further consideration and supporting information was included in the summary notes. The working group edited the draft lists at the specialist meeting on the 15th January and Dr Clausnitzer kindly completed the list and returned it to the group for final editing.

The working group and authors of the final Proposed List of Threatened Dragonflies consisted of:

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The redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (IUCN 2015). Data and species record information were obtained from the personal records of the authors and reviewers and from reported records from literature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report. (electronic copy).

The dragonfly and damselfly lists were then subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016). A number of records were added that were able to confirm locations for some species.

The resulting National Redlist of Dragonflies for Uganda are reproduced in the following tables (Tables 12-13) showing:

- (i) threatened species, from Critically Endangered to Endangered to Vulnerable, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. This list potentially contains some extremely at risk species and so it is advised that every effort is put into obtaining information on these species, by targeted survey of the likely habitats and areas where they might be expected to occur.

Near threatened species have not been listed here, however conservation authorities and managers are advised to keep these species under review as they can become threatened rapidly in the face of habitat degradation. Full species lists can be found in Annex 1.

Table 12: Threatened Dragonfly Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
1	<i>Gynacantha sextans</i>	Dark-rayed Duskhawker	LC	CR B1ab(iii)	Semuliki National Park	NO
2	<i>Heliaeschna trinervulata</i>	Pale Duskhawker	LC	CR A2ac	Forests in western Uganda	NO
3	<i>Pinheyschna meruensis</i>	Meru Hawker	LC	CR B2ab(iii,v)	Mt Moroto, highlands of the Bwindi Impenetrable National Park	NO
4	<i>Pseudagrion</i> (A group) <i>bicoerulans</i>	Giant Sprite	VU	CR B1+2ab(ii,iii)	Mt. Elgon National Park	NO
5	<i>Pseudagrion</i> (B group) <i>isidromerai</i>		NE	CR A3c	Semuliki National Park	UNKNOWN
6	<i>Ictinogomphus regisalberti</i>		LC	CR B2ab(iii)	Semuliki National Park	NO
7	<i>Libyogomphus bwambae</i>		DD	CR B2ab(iii)	Semuliki National Park	ENDEMIC
8	<i>Notogomphus maathaiaiae</i>	Maathai's Longleg	EN	CR B1+B2ab(iii)	Mt Elgon National Park	NO
9	<i>Phyllogomphus annulus</i>		LC	CR B2ab(iii)	Semuliki National Park	NO
10	<i>Neodythemis afra</i>		LC	CR B1ab(iii)	Semuliki National Park	NO
11	<i>Neodythemis munyaga</i>	Bwindi Junglewatcher	DD	CR A3 c	Bwindi Impenetrable National Park (Buhoma, Munyaga Valley)	ENDEMIC
12	<i>Neodythemis preussi</i>		LC	CR B1ab(iii)	Semuliki National Park	NO
13	<i>Tetrathemis denticauda</i>		DD	CR A2c	Fort Portal	NO
14	<i>Idomacromia jillianaiae</i>	Jill's Shadowcruiser	DD	CR A3c	Bwindi Impenetrable National Park	ENDEMIC
15	<i>Phyllomacromia bispina</i>		LC	CR B1+2ab(iii)	Semuliki National Park	NO
16	<i>Elattoneura lliba</i>		LC	CR B2+2ab(iii)	Semuliki National Park	NO
17	<i>Stenocypha molindica</i>	Bow-faced Jewel	NT	EN B2ab(iii)	Bwindi Impenetrable National Park, Kalinzu Forest Reserve, Mafuga Forest Reserve	(ALBERTINE RIFT ENDEMIC)
18	<i>Agrionemid palaeforma</i>	Papyrus Wisp	NT	EN A3c	Bwindi Impenetrable National Park	ENDEMIC
19	<i>Diastatomma selysi</i>		LC	EN B2ab(iii)	Semuliki National Park	NO
20	<i>Elattoneura nigra</i>	Black Threadtail	LC	EN B1+2ab(iii)	Murchison Falls National Park	NO
21	<i>Gynacantha africana</i>	Giant Duskhawker	LC	VU A2c	Semuliki National Park, forests around Kampala	NO
22	<i>Gynacantha cylindrata</i>	Greater Girdled Duskhawker	LC	VU A2c	Forests in western Uganda	NO
23	<i>Gynacantha nigeriensis</i>	Yellow-legged Duskhawker	LC	VU B2ab(iii)	Semuliki National Park, Mabira Forest Reserve, Kyambura Forest Reserve	NO
24	<i>Heliaeschna ugandica</i>	Uganda Duskhawker	LC	VU A2c	Forests in central and west Uganda	NO
25	<i>Chlorocypha cancellata</i>	Exquisite Jewel	LC	VU B2ab(iii)	Bwindi National Park, Semuliki National Park	NO
26	<i>Chlorocypha flammea</i>	Flame-tipped Jewel	NE	VU B2ab(iii)	Semuliki National Park, Kibale National Park, Queen Elizabeth National Park	ENDEMIC
27	<i>Chlorocypha victoriae</i>	Victoria's Jewel	LC	VU A2c	Forests in central and west Uganda, present in Bugoma Forest Reserve (WCS 2014)	NO
28	<i>Platycypha lacustris</i>	Forest Jewel	LC	VU B2ab(iii)	Bugoma Forest Reserve, Wambabya Forest Reserve, Albertine Rift Escarpment (Hoima District)	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC-UGANDA
29	<i>Stenocypha jacksoni</i>	Yellow-sided Jewel	NT	VU B2ab(iii)	South-west Uganda (Bwindi and Rutenga Forests)	(ALBERTINE RIFT ENDEMIC)
30	<i>Stenocypha tenuis</i>	Slender Jewel	LC	VU A2c	Forests in central and western Uganda	NO
31	<i>Pseudagrion</i> (A group) <i>kibalense</i>	Forest Sprite	LC	VU A2c	Forest throughout Uganda	NO
32	<i>Pseudagrion</i> (B group) <i>torridum</i>	Wing-tailed Sprite	LC	VU A2c	Lakes throughout Uganda	NO
33	<i>Gomphidia bredoi</i>	Northern Fingertail	LC	VU A2c	Forest throughout Uganda	NO
34	<i>Notogomphus flavifrons</i>	Yellow-fronted Longleg	DD	VU A2c	Forests of south-west Uganda	ENDEMIC
35	<i>Notogomphus gorilla</i>	Gorilla Longleg	NE	VU D2	Munyaga Stream in Bwindi Impenetrable National Park	NO
36	<i>Notogomphus leroyi</i>	Clubbed Longleg	LC	VU D2	Bwindi Impenetrable National Park	NO
37	<i>Notogomphus lujai</i>	Albertine Longleg	LC	VU D2	Semuliki National Park	NO
38	<i>Phyllogomphus selysi</i>	Southern Leaftail	LC	VU	Widespread (formerly), Present in Kabwoya Wildlife Reserve (WCS 2015)	NO
39	<i>Aethiothemis coryndoni</i>		LC	VU B2ab(iii,v)	Zika Forest Reserve, Budongo Forest Reserve	NO
40	<i>Atoconeura kenya</i>		LC	VU B2ab(iii)	Mt Elgon National Park, Bwindi Impenetrable National Park, Ruwenzori Mt National Park	NO
41	<i>Hadrothemis camarensis</i>	Saddled Jungleskimmer	LC	VU A2c	Forests in Uganda. Present in Bugoma Forest Reserve and forest corridor wetlands (WCS 2015)	NO
42	<i>Malgassophlebia bispina</i>		LC	VU B2ab(iii)	Mabira Forest and Budongo Forest	NO
43	<i>Trithemis imitata</i>		LC	VU A2c	Lake Opeta in eastern Uganda, Tororo, Busia	NO
44	<i>Allocnemis nigripes</i>	Rainbow Yellow-wing	LC	VU A2c	Bwindi Impenetrable National Park, Western Forests	NO

Table 13: Data Deficient Dragonfly Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Zosteraeschna ellioti</i>	Elliot's Hawker	NE	DD	Unknown locations	UNKNOWN
2	<i>Chlorocypha schmidti</i>	Albertine Jewel	VU	DD	Forests in Uganda	NO
3	<i>Aciaagrion heterostictum</i>	Long Slim	LC	DD	Labwor Hills (Karamoja sub-region)	NO
4	<i>Azuragrion vansomereni</i>	Tiny Azuret	LC	DD	Unknown locations	NO
5	<i>Pseudagrion</i> (B group) <i>acaciae</i>	Acacia Sprite	LC	DD	Unknown locations	NO
6	<i>Pseudagrion</i> (B group) <i>niloticum</i>	Nile Sprite	LC	DD	Unknown locations	NO
7	<i>Neurogomphus featheri</i>	Striped Siphontail	LC	DD	Unknown locations	NO
8	<i>Paragomphus cognatus</i>	Rock Hooktail	LC	DD	Presumed widespread in Northern Uganda	NO
9	<i>Paragomphus elpidius</i>	Corkscrew Hooktail	LC	DD	Presumed widespread in northern Uganda	NO
10	<i>Acisoma variegatum</i>		NE	DD	Kabwoya Wildlife Reserve	NO
11	<i>Hadrothemis versuta</i>	Variable Jungleskimmer	LC	DD	North west shore Lake Victoria	NO
12	<i>Orthetrum africanum</i>		LC	DD	Forests in Uganda	NO
13	<i>Orthetrum monardi</i>		LC	DD	Unknown locations	NO
14	<i>Sympetrum fonscolombii</i>	Red-veined Darter	LC	DD	Unknown locations	NO
15	<i>Tetrathemis ruwensoriensis</i>		DD	DD	Western slopes of Mt Rwenzori National Park	NO
16	<i>Phyllomacromia flavimitella</i>		LC	DD	Aswa River in Northern Uganda	NO
17	<i>Phyllomacromia kimminsi</i>	Kimmin's Cruiser	LC	DD	Madi Opei (Tororo District)	NO
18	<i>Phyllomacromia overlaeti</i>	Clubbed Cruiser	LC	DD	Murchison Falls National Park	NO
19	<i>Phyllomacromia pseudoafricana</i>		LC	DD	Aswa River in Northern Uganda	NO

Plant Redlist

As the plant kingdom contains thousands of species in Uganda, Ben Kirunda, WCS's botanist who has undertaken surveys across Uganda, put together an initial list of higher order plants, comprising mostly trees, shrubs, lianas, epiphytes and ferns, identifying those known to be of restricted range and thus potentially at risk. He started with an initial list of plant species for Uganda obtained from Herbert Tushabe of the National Biodiversity Databank, and a list of plant species occurring in Uganda that already have a global threat status. Additional species were added based on WCS's surveys of the Albertine Rift region and from The Conservation Checklist of the Trees of Uganda (Kalema 2012). All species initially considered to be potentially threatened were noted for further consideration. The working group refined the list in 3 subsequent meetings following the group's constitution on the 15th January (27.02.15, 29.06.15, 30.06.15).

The working group and authors of the final Proposed List of Threatened Plants consisted of:

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Final editing and incorporation of reviewers' comments was carried out by Sarah Prinsloo sprinsloo@wcs.org.

The draft plant redlists were checked for consistency, taxonomy, global distribution and habitat with the IUCN Red List of Threatened Species (2015) and with the Africa Plants database (<http://www.ville-ge.ch/musinfo/bd/cjb/africa/recherche.php>). It was noted that most of the plants in the IUCN global redlist have not been recently updated (Most references are for version 2.3). The Plant List (2013) was used as the final taxonomic reference. Data and species record information were obtained from the personal records of the authors and reviewers, from the WCS surveys database and from reported records from literature. At this stage species which had initially been considered as potentially threatened but which did not meet any of the IUCN threatened category thresholds once they had been reviewed, were classed as either least concern or near threatened. These species are included in the full lists contained in Annex 1 of this report. (electronic copy).

The plant lists were then subjected to a final round of checking during December 2015, including adding detail and amendments from data supplied by the recent survey of the Albertine Graben (Ayebare 2016).

The resulting National Redlist of Plants for Uganda are reproduced in the following tables (Tables 14-15) showing:

- (i) threatened species, from Critically Endangered to endangered and vulnerable, which are most in need of conservation efforts;
- (ii) data deficient species for which insufficient data was available to draw conclusions. The plant team did not consider plant species that were initially considered to be data deficient and so only three species that after consideration could not be adequately listed without further information were categorised as data deficient. Mostly these have not been recently found and may in fact be RE.

Very few of the plant species considered could be given a near threatened or least concern status. Forest or woodland clearance, degradation and grazing combined with the rate of extraction for many of the plant species, particularly those harvested for timber, medicinal use building or other materials and as a source for fuel, means that many of the species are under threat. With the longevity of tree species this puts the rate of loss over 3 generations of almost all species at 30% which might otherwise be considered to be widespread.

Table 14: Threatened Plant Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Aloe tororoana</i>		VU	CR B1ab(iii)	Known from four collections from two sites on Tororo Rock in southeastern Uganda, altitudes between 1,350 and 1,890 m asl	ENDEMIC
2	<i>Bothriocline auriculata</i>		CR	CR B1+2ab(i,ii,iii,iv)	Mt Elgon National Park	ENDEMIC
3	<i>Brachylaena huillensis</i>		NT	CR D1	Nile Bank Forest Reserve (Nkuutu, Kirunda 2005) and South Busoga Forest Reserve, Mengo Forests (Makerere University Herbarium)	NO
4	<i>Mikaniopsis vitalba</i>		VU	CR B+B2ab(i,ii,iii,iv)	Entebbe (1905,1915), Mubwindi swamp (1989),	NO
5	<i>Senecio navugabensis</i>		CR	CR B2ab(ii,iii,v)	Masaka District (Nabugabo)	ENDEMIC
6	<i>Solanecio gynuroides</i>		VU	CR C1a(ii)	1 site only (Ishasha Gorge, Bwindi Impenetrable National Park)	ENDEMIC
7	<i>Encephalartos equatorialis</i>		CR	CR B1+2ab(ii,iii,v)	Mayuge District, Busoga sub-region	ENDEMIC
8	<i>Encephalartos whitelockii</i>		CR	CR B2ab(ii,iii,iv,v)	Mpanga River falls-Kabarole District	ENDEMIC
9	<i>Diospyros katendei</i>		CR	CR D	Kasyoha-Kitomi Forest Reserve	ENDEMIC
10	<i>Millettia lacus-alberti</i>		VU	CR B1+2ab(i,ii, iii,iv)	Waki River in Siba block, Budongo Forest Reserve - only record known	(ALBERTINE RIFT ENDEMIC)
11	<i>Holarrhena floribunda</i>		LC	CR D	Only known from Budongo Forest Reserve and Kaniyo- Pabidi Forest Reserve	NO
12	<i>Pavetta intermedia</i>		VU	CR B1+2ab(iv)	Kibale National Park (1935/55)	(ALBERTINE RIFT ENDEMIC)
13	<i>Psychotria minuta</i>		NE	CR D1	Single site-Maramagambo Forest Reserve	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
14	<i>Dioscorea baya</i>		NE	CR A2cd	Mengo Kipayo (1914), Nambigirwa forest near Entebbe 1932, Kajjansi forest 1938), Budongo Forest Reserve, Bugoma Forest Reserve, Karuma Wildlife Reserve	NO
15	<i>Allanblackia kimbiliensis</i>		NE	CR D2	Ishasha gorge (Bwindi Impenetrable National Park)	(ALBERTINE RIFT ENDEMIC)
16	<i>Hibiscus greenwayi</i>		VU	CR D	Mabira Forest Reserve (woodland)	NO
17	<i>Lijndenia bequaertii</i>		VU	CR B2ab(iii)	Ishasha gorge (Bwindi Impenetrable National Park)	(ALBERTINE RIFT ENDEMIC)
18	<i>Nymphaea nouchali</i>	Red and blue Waterlily, Blue Star Waterlily	NE	CR B1+2ab(iii)	Lake Mutanda and Lake Bunyonyi	NO
19	<i>Afroparus usambarensis</i>		EN	CR B1ab(i,ii,iii,iv,v)	Sango Bay Forest Reserve	NO
20	<i>Antrocaryon micrastrer</i>	Antrocaryon	VU	CR D	Bwindi Impenetrable National Park, Kasyoha Kitomi Forest Reserve (formerly recorded in Budongo Forest Reserve, Kalinzu Forest Reserve, Maramagambo Forest Reserve)	NO
21	<i>Lagarosiphon ilicifolius</i>		LC	EN B2ab(ii,iii,v)	Ssesse in Lake Victoria, Lake Mulehe (Kisoro District)	NO
22	<i>Helichrysum formosissimum</i>		DD	EN B2ab(ii)	Bwindi Impenetrable National Park, Rwenzori Mt National Park, Echuya Forest Reserve (WCS database and Makerere University Herbarium)	NO
23	<i>Mikania microptera</i>		NE	EN B1ab(i,ii,iii,iv)	Kibale National Park (latest record Eilu 1999) and Entebbe Municipality (Makerere University Herbarium)	NO
24	<i>Cordia millenii</i>	Drum Tree, West African Cordia	LC	EN A2ad	Present in most forests in western Uganda south of Budongo (except Rwenzori, Bwindi, Mgahinga)	NO
25	<i>Aldrovanda vesiculosa</i>	Waterwheel, Common Aldrovanda	EN	EN B2ab(iii,v)	Known from 3 locations according to Makerere University herbarium data (Mabamba IBA, swamp adjacent L. Ajama close to Kumi town, Kirumba)	NO
26	<i>Encephalartos macrostrobilus</i>		EN	EN B1+2ab(iii,iv,v); C2a(i)	Acholi sub-region, West Nile sub-region (Kalema 2012)	ENDEMIC
27	<i>Encephalartos septentrionalis</i>		NT	EN B1+2ab(ii,iii)	Acholi sub-region (Kalema 2012)	NO
28	<i>Brazzeia longipedicellata</i>		EN	EN B2ab(iii,v)	Bwindi Impenetrable National Park (WCS 2001, Makerere University Herbarium, 1998), Ishasha Gorge, Budongo Forest Reserve (Makerere University Herbarium 1998)	(ALBERTINE RIFT ENDEMIC)
29	<i>Afzelia africana</i>	Afzelia	VU	EN A2acd	West Nile sub-region, Kitgum District and Murchison Falls National Park	NO
30	<i>Albizia ferruginea</i>	Albizia	VU	EN A2acd	Murchison Falls National Park, Kibale National Park, Semuliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Itwara Forest Reserve, Zoka Forest, Mabira Forest Reserve, Wambabya Forest Reserve	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
31	<i>Pavetta ankolensis</i>		NE	EN B2ab(i,ii)	Ankole sub-region	NO
32	<i>Sabicea entebbensis</i>		NE	EN B2ab(i,ii,iii)	Entebbe (Kitubulu Forest), Sango bay (near Katera), Kyagwe (Nakiza Forest), and Bugala-Sesse Islands	ENDEMIC
33	<i>Irvingia gabonensis</i>		NT	EN A2ad	Semuliki National Park, Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Itwara Forest Reserve, Mengo District	NO
34	<i>Afrothismia winkleri</i>		CR	EN B2ab(iii)	Budongo Forest Reserve, Bugoma Forest Reserve	NO
35	<i>Afrocarpus gracilior</i>		LC	EN B2ab(iii,v)	Napak Forest Reserve (Karamoja sub-region), Mt Elgon National Park	NO
36	<i>Albertia exelliana</i>		NE	EN B2ab(ii,iii,iv)	Kibale National Park	(ALBERTINE RIFT ENDEMIC)
37	<i>Milicia excelsa</i>	Iroko or African Teak	NT	EN A2acd	Widely distributed outside protected areas mainly in central, eastern and northern Uganda, and in the forests of western Uganda	NO
38	<i>Entandrophragma angolense</i>		VU	EN A2acd	Found in western forests from Murchison Falls National Park south to Kalinzu Forest Reserve	NO
39	<i>Entandrophragma cylindricum</i>	Sapele	VU	EN A2acd	Kibale National Park, Semuliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Itwara Forest Reserve, Kalinzu Forest Reserve, Wambabya Forest Reserve, Karuma Wildlife Reserve	NO
40	<i>Entandrophragma utile</i>		VU	EN A2acd	Kibale National Park, Semuliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Maramagambo Forest Reserve, Itwara Forest Reserve, Kasyoha Kitomi Forest Reserve, Zoka Forest Reserve, Mabira Forest Reserve, Wambabya Forest Reserve	NO
41	<i>Leplaea cedrata</i>	Light Bossé, Scented Guarea	VU	EN A2acd	Semuliki National Park, Kibale National Park, Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Lake Victoria (Damba Island), Kasyoha Kitomi Forest Reserve, Mengo District, Masaka District, Wambabya Forest Reserve	NO
42	<i>Khaya anthotheca</i>	African Mahogany, White Mahogany	VU	EN A2acd	Murchison Falls National Park (Rabongo), Semuliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kalinzu Forest Reserve, Zoka Forest Reserve, Wambabya Forest Reserve, Bugungu Wildlife Reserve, Karuma Wildlife Reserve	NO
43	<i>Khaya grandifoliola</i>	Large-leaved Mahogany	VU	EN A2acd	Acholi sub-region (Kilak Hills), West Nile sub-region (Mt Otzi), & East Madi Wildlife Reserve (Zoka), Bugoma Forest Reserve, Budongo Forest Reserve, Kalinzu Forest Reserve, Murchison Falls National Park, Bugungu Wildlife Reserve Wambabya Forest Reserve	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
44	<i>Khaya senegalensis</i>	African Mahogany, Dry Zone Mahogany	VU	EN A2acd; B1ab(iii,iv)	Murchison Falls National Park, Achol sub-region, East Madi Wildlife Reserve (Zoka) & West Nile sub-region	NO
45	<i>Leplaea mayombensis</i>		VU	EN B2ab(ii,iv,v)	Kalinzu Forest Reserve, Kasyoha Kitomi Forest Reserve, Bwindi Impenetrable National Park (Ishasha Gorge)	NO
46	<i>Lovoa swynnertonii</i>	Brown Mahogany, Kilimanjaro Mahogany	NT	EN A2acd	Kibale National Park, Semuliki National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kalinzu Forest Reserve, Kasyoha Kitomi Forest Reserve, Itwara Forest Reserve, Mabira Forest Reserve	NO
47	<i>Lovoa trichilioides</i>	African Walnut, Congowood, Tigerwood	VU	EN A2acd	Kibale National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kalinzu Forest Reserve, Kasyoha Kitomi Forest Reserve, Itwara Forest Reserve, Maramagambo Forest Reserve, Lwamunda Forest Reserve (Mengo), Wabitembe Forest Reserve (Masaka), Bugungu Wildlife Reserve, Wambabya Forest Reserve	NO
48	<i>Chytranthus atroviolaceus</i>		NE	EN B1+2ab(iii,v)	Sonso Area, Budongo Forest Reserve, Bugoma Forest Reserve	NO
49	<i>Calamus deerratus</i>		NE	VU B2ab(i,ii)	Semuliki National Park, Mt. Kei Forest Reserve, Budongo Forest Reserve, Bugoma Forest Reserve, Maramagambo Forest Reserve, Mabira Forest Reserve, Wambabya Forest Reserve, Buliisa District (community land)	NO
50	<i>Ansellia africana</i>	Leopard Orchid, Monkey Sugarcane, African Ansellia	VU	VU A2cd	Mt Elgon National Park, Bugoma Forest Reserve, Budongo Forest Reserve, and Matheniko Bukoro Wildlife Reserve (near Moroto town), Murchison Falls National Park, Karuma Wildlife Reserve	NO
51	<i>Disperis aphylla</i>		NE	VU D2	Bunyoro (Budongo Forest Reserve), and Toro (Kabarole District). Both historical records obtained from Makerere University Herbarium. Bugoma Forest Reserve (Nkuutu, WCS database)	NO
52	<i>Aloe schweinfurthii</i>		LC	VU A2c,d	Budongo Forest Reserve and Matiri Forest Reserve, locations in northwest Uganda	NO
53	<i>Aloe volkensii</i>		LC	VU A2cd	Mt Moroto National Park, Matiri Forest Reserve, small forest remnants on Kampala to Fort Portal road (Mubende area), Labwor Hills and Napak District, Bugungu Wildlife Reserve, Kabwoya Wildlife Reserve, Albertine Rift Escarpment (Butiaba area), Buliisa District community land,	NO
54	<i>Psilotrichum axilliflorum</i>		VU	VU B1ac(iii)	Queen Elizabeth National Park (WCS 2008), Budongo Forest Reserve, Bugungu Wildlife Reserve, Buliisa district (community lands), Kaiso Tonya Community Wildlife Area, possibly Lake Mburo National Park (July 2014, Protase Rwaburindore, Missouri Botanical Garden), Bunyoro (1972)	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
55	<i>Chrysophyllum albidum</i>		NE	VU A2acd	Semuliki National Park, Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Kalinzu Maramagambo Forest Reserve, Mabira Forest Reserve, Sango Bay Forest Reserve, South Busoga Forest Reserve, Luuka District, East Madi Wildlife Reserve, Mbale Municipality, Wambabya Forest Reserve, Bugungu Wildlife Reserve, Karuma Wildlife Reserve,	NO
56	<i>Chrysophyllum muerense</i>		NE	VU A2acd	Semuliki National Park, Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Kalinzu Maramagambo Forest Reserve, Mabira Forest Reserve, Wambabya Forest Reserve, Karuma Wildlife Reserve	NO
57	<i>Chrysophyllum perpulchrum</i>		NE	VU A2ad;	Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Kalinzu Forest Reserve, Mengo District (Kisitu Forest - Byeya CFR), Wambabya Forest Reserve, Bugungu Wildlife Reserve,	NO
58	<i>Vitellaria paradoxa</i>	Shea Butter Tree	VU	VU A2ad	Northern Uganda, Lira and Kitgum Districts	NO
59	<i>Azelia bipindensis</i>		VU	VU A2acd	Semuliki National Park, Bugoma Forest Reserve, Karuma Wildlife Reserve	NO
60	<i>Cordyla richardii</i>		VU	VU B2ab(iii,iv)	East Madi Wildlife Reserve, Mt Kadam, Mt Otzi, Timu Forest, Kaabong District	NO (RESTRICTED RANGE)
61	<i>Dalbergia melanoxylo</i>	African Blackwood, Mozambique Ebony	NT	VU A2ad	Kidepo Valley National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Maramagambo Forest Reserve, West Nile sub-region, Bugungu Wildlife Reserve, Buliisa District (community land)	NO
62	<i>Dialium excelsum</i>		EN	VU A2acd	Semuliki National Park, Kibale National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kasyoha Kitomi Forest Reserve, Itwara Forest Reserve, Wambabya Forest Reserve, Karuma Wildlife Reserve	(ALBERTINE RIFT ENDEMIC)
63	<i>Erythrophleum suaveolens</i>		NE	VU A2ad	Budongo Forest Reserve, Bugoma Forest Reserve, Bunyoro sub-region, Mengo Municipality, Murchison Falls National Park, Wambabya Forest Reserve	NO
64	<i>Tamarindus indica</i>		NE	VU A2acd	Karamoja Region, Busoga sub-region, Bunyoro sub-region, Mengo District, Kabarole District West Nile sub-region, East Madi Wildlife Reserve, Acholi sub-region, Bugungu Wildlife Reserve, Murchison Falls National Park, Hoima District Albertine Rift Escarpment edge	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
65	<i>Mondia whitei</i>		NE	VU A2acd	Kibale National Park, Semuliki National Park, Rwenzori Mt National Park, Bwindi Impenetrable National Park, Mabira Forest Reserve, Budongo Forest Reserve, Bugoma Forest Reserve, Itwara Forest Reserve, Kasyoha Kitomi Forest Reserve, Kalinzu Forest Reserve. Hoima District Escarpment edge	NO
66	<i>Secamone racemosa</i>		VU	VU A2c	Rwenzori Mt National Park, Mgahinga National Park, Kalinzu Forest Reserve, Kasyoha Kitomi Forest Reserve, Echuya Forest Reserve, Budongo Forest Reserve	NO
67	<i>Fleroya stipulosa</i>		VU	VU A2cd	Most of western and central Ugandan forests	NO
68	<i>Nauclea diderrichii</i>		VU	VU D2	Semuliki National Park, Kasyoha Kitomi Forest Reserve, Budongo Forest Reserve	NO
69	<i>Beilschmiedia ugandensis</i>		VU	VU A2acd	Mabira Forest Reserve, Albertine Rift forests from Budongo to Kalinzu/Maramagambo, Rwenzori National Park, Karuma WR	NO
70	<i>Ocotea kenyensis</i>		VU	VU D2	Bwindi Impenetrable National Park	NO
71	<i>Uvariadendron magnificum</i>		EN	VU B2ab(ii,iii,iv,v)	Bwindi Impenetrable National Park, Budongo Forest Reserve, Kasyoha Kitomi Forest Reserve, Maramagambo Forest Reserve, Ssese Islands	NEAR ENDEMIC
72	<i>Warburgia ugandensis</i>		NE	VU A2ad	Western forests from Budongo south to Maramagambo Forest Reserve, Mabira Forest Reserve, South Busoga Forest Reserve, also Karamoja sub-region, Bugungu Wildlife Reserve,	NO
73	<i>Euphorbia bwambensis</i>		VU	VU D2	Semuliki National Park	(ALBERTINE RIFT ENDEMIC)
74	<i>Efulensia montana</i>		NE	VU A2cd	Bwindi Impenetrable National Park, Budongo Forest Reserve, Bugoma Forest Reserve, Kalinzu Forest Reserve, Karuma Wildlife Reserve, Murchison Falls National Park	(ALBERTINE RIFT ENDEMIC)
75	<i>Casearia runssorica</i>		VU	VU B2ab(ii,iii,iv,v)	Kibale National Park, Bwindi Impenetrable National Park, Kasyoha Kitomi Forest Reserve, Kalinzu Forest Reserve, Jubiya Forest Reserve, Mpanga Forest Reserve, Sango Bay Forests, Ssese Islands	NO
76	<i>Cola congolana</i>		VU	VU B2ab(i,iv,v)	Bwamba Valley (historical record for Semuliki National Park), Maramagambo Forest Reserve	ENDEMIC
77	<i>Craterosiphon scandens</i>		NE	VU B2ab(iii,v)	Budongo Forest Reserve, Maramagambo Forest Reserve, Wambabya Forest Reserve	NO
78	<i>Podocarpus latifolius</i>		LC	VU A2cd	Rwenzori National Park, Bwindi Impenetrable National Park, Mgahinga National Park, Mt Elgon National Park, Echuya Forest Reserve, Sango Bay Forest Reserve (Namalala), Acholi sub-region (Mt. Lomwaga), Entebbe Botanical garden, Masaka District (Kyebe), Mpororo (Kisoro District), Nakawa (NFA offices), Imatong massif, Nambigirwa Forest Reserve	NO

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
79	<i>Carex runssoroensis</i>		VU	VU D2	Rwenzori Mt National Park, Mt Muhabura, & Mt Sabinyo (Mgahinga Gorilla National Park)	NO
80	<i>Carpha eminii</i>		VU	VU D2	Mt Rwenzori National Park, Mt Muhabura, & Mt Sabinyo (Mgahinga Gorilla National Park)	(ALBERTINE RIFT ENDEMIC)
81	<i>Luzula abyssinica</i>		LC	VU D2	Rwenzori Mt National Park, Mgahinga Gorilla National Park, Mt. Elgon National Park	NO
82	<i>Luzula mannii</i>		VU	VU D2	Mt Elgon National Park	NO
83	<i>Deschampsia angusta</i>		VU	VU D2	Rwenzori Mt National Park	NO
84	<i>Prunus africana</i>	Red Stinkwood	VU	VU A2ad;	Most forests in Western Uganda, Mt. Murongole, Sango Bay Forest Reserve, (record in Mutai FR), Mpigi forests, cultivated mainly in western Uganda, Bugungu Wildlife Reserve, Kasato Forest Reserve, Biiso Forest Reserve	NO
85	<i>Turraeanthus africana</i>		VU	VU A2cd	Only found in western Ugandan forests	NO
86	<i>Citropsis articulata</i>		NE	VU A2cd	Kibale National Park, Semuliki National Park, Bwindi Impenetrable National Park, Mabira Forest Reserve, Budongo Forest Reserve, Bugoma Forest Reserve, Itwara Forest Reserve, Kagombe Forest Reserve, Kasyoha Kitomi Forest Reserve, Kalinzu Forest Reserve	(ALBERTINE RIFT ENDEMIC)
87	<i>Fagaropsis angolensis</i>		NE	VU A2acd	Western forests from Rabongo (Murchison Falls National Park), south to Maramagambo (Queen Elizabeth National Park), Mabira Forest Reserve	NO
88	<i>Olea welwitschii</i>		NE	VU A2acd	Many of western forests, Mabira Forest Reserve, Murongole Forest Reserve, Mengo District, Masaka District, Mubende District (Lwengeye), Gangu Forest (Gomba), Rwizi Forest (Mbarara), Nakizi Forest (Mukono), Minziro Forest Reserve (Sango Bay), Kasato Forest Reserve	NO

Table 15: Data Deficient Plant Species

	SPECIES NAME	COMMON NAME	IUCN GLOBAL STATUS	NATIONAL THREAT STATUS	SITES	ENDEMIC - UGANDA
1	<i>Dipsacus pinnatifidus</i>		NE	DD	Kigezi District possibly occurs in Mgahinga National Park (Makerere University Herbarium specimen)	NO
2	<i>Buxus obtusifolia</i>		VU	DD	Budongo Forest Reserve, Bugoma Forest Reserve, Wambabya Forest Reserve	NO
3	<i>Aeschynomene indica</i>		LC	DD	Semuliki National Park, unknown other locations	NO

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ANNEXES

All annexes are available on the electronic version of this report only.

ANNEX 1: UGANDA REDLIST: FULL LIST OF ASSESSED SPECIES

ANNEX 2: PRELIMINARY MEETING REPORT

ANNEX 3: SPECIALIST MEETING REPORT

ANNEX 4: PRESENTATION MEETING REPORT

ANNEX 5: IUCN REDLIST CATEGORIES

ANNEX 6: GUIDELINES FOR APPLICATION OF IUCN REDLIST CRITERIA AT REGIONAL LEVELS